

**Appendix A:  
Air Quality/Greenhouse Gas Emissions Supporting  
Information**

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## **A-1: Summary of Air Quality Supporting Information Memo**

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## Memo

**Date:** March 15, 2019

**To:** Krinjal Mathur, Planner, City of San José

**From:** Jason Paukovits, Senior Air Quality Project Manager, FirstCarbon Solutions

**Subject:** Summary of Air Quality Analysis for the South Bascom Gateway Station

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### INTRODUCTION

At the request of the City of San José, FirstCarbon Solutions (FCS) has been tasked to prepare a memorandum summarizing the methods that were used in preparation of the air quality section of the Initial Study/Mitigated Negative Declaration (IS/MND) for the South Bascom Gateway Station. The following is a summary of the references used in the completion of the biological resources section.

### National Ambient Air Quality Standards

As required by the Clean Air Act, National Ambient Air Quality Standards (NAAQS) have been established for six major air pollutants: carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), ozone (O<sub>3</sub>), particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), sulfur oxides, and lead. Pursuant to the California Clean Air Act, the State has also established the California Ambient Air Quality Standards (CAAQS), which are generally more stringent than the corresponding federal standards. The Bay Area Air Quality Management District (BAAQMD) is primarily responsible for assuring that the national and State ambient air quality standards are attained and maintained in the San Francisco Bay Air Basin (Air Basin). Santa Clara County, and the Bay Area as a whole, is classified as a nonattainment area for ozone, PM<sub>10</sub>, and PM<sub>2.5</sub> under federal law. The County is either in attainment or unclassified for other pollutants.

Ozone, often called photochemical smog, is classified as a secondary air pollutant, meaning it is not emitted directly into the air. It is created by the action of sunlight on ozone precursors, primarily reactive hydrocarbons and NO<sub>x</sub>. The major sources of ozone precursors include combustion sources such as factories and automobiles and evaporation of solvents and fuels. The main public health concerns associated with ground level ozone pollution are eye irritation and impairment of respiratory functions.

PM<sub>10</sub> consists of solid and liquid particles of dust, soot, aerosols, and other matter that are less than 10 microns in diameter. Major sources of PM<sub>10</sub> are combustion (including automobile engines—particularly diesel, fires, and factories) and dust from paved and unpaved roads. Public health concerns associated with PM<sub>10</sub> include aggravation of chronic disease and heart/lung disease symptoms.

PM<sub>2.5</sub>, also known as Fine Particulate Matter, consists of the same type of matter as PM<sub>10</sub>, but is less than 2.5 microns in diameter. The major source of PM<sub>2.5</sub> is combustion, but the particles can also be formed by chemical changes occurring in the air. PM<sub>2.5</sub> can cause respiratory problems and is of particular concern because the particles can penetrate deeper into the lungs.

### **California Emissions Estimator Model**

FCS used the California Emissions Estimator Model (CalEEMod Version 2016.3.2) as the basis of estimating construction and operational emissions. The default assumptions were used except where project specific information was available.

## **A-2: Air Quality/Greenhouse Gas Emissions Supporting Information**

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# Air Quality/Greenhouse Gas Emissions Supporting Information

## Table of Contents and Summary of Components

Page A-1 shows a summary of the construction parameters used in estimating air quality and greenhouse gas emissions associated with construction of the project.

**Construction Assumptions ..... A-1**

Page A-2 shows a summary of the annual construction emissions by construction activity.

**Annual Construction Emissions by Construction Activity (Unmitigated) ..... A-2**

Pages A-3 through A-73 include the CalEEMod output files for project construction and project operations prior to the incorporation of mitigation. Annual results show emissions for an entire year, while summer and winter results show the estimated maximum daily emissions.

**Unmitigated Project Construction and Operations—Annual Results ..... A-3**

**Unmitigated Project Construction and Operations—Summer Results .....A-30**

**Unmitigated Project Construction and Operations—Winter Results.....A- 52**

Pages A-74 through A-93 include the CalEEMod output files for the existing on-site operations.

**Existing Operations—Annual Results.....A-74**

**Existing Operations—Summer Results.....A-82**

**Existing Operations—Winter Results .....A-88**

Pages A-94 through A-144 include the CalEEMod output files showing estimated construction emissions after the incorporation of mitigation.

**Mitigated Project Construction—Annual Results .....A-94**

**Mitigated Project Construction—Summer Results .....A-111**

**Mitigated Project Construction—Winter Results .....A-128**

Pages A-145 and A-146 shows a summary of additional parameters used in estimating cancer risks associated with construction of the project.

**Methodology for the Estimation of Cancer Risks During Project Construction .....A-145**

Pages A-147 through A-878 include the calculations performed for the construction health risk assessment. Pages A-144 through A-511 show the unmitigated scenario, while pages A-512 through A-875 incorporates mitigation.

**Unmitigated Health Risk Assessment Construction Calculations (DPM).....A-147**

**Unmitigated Health Risk Assessment Construction Calculations (PM<sub>2.5</sub>)..... A- 454**

**Mitigated Health Risk Assessment Construction Calculations (DPM) ..... A- 515**

**Mitigated Health Risk Assessment Construction Calculations (PM<sub>2.5</sub>) ..... A-818**

Pages A-879 through A-890 show the complete AERMOD modeling output files associated with the construction health risk assessment performed for the project.

**AERMOD Modeling Output ..... A-879**

# 1410 S. Bascom Avenue Project Construction Assumptions

## Construction Phase

Phase Name	Phase Type	Start Date	End Date	Working	Number of
				Days per	Working
				Week	Days
Demolition	Demolition	6/1/2020	6/26/2020	5	20
Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40
Grading	Grading	8/22/2020	10/16/2020	5	40
Building Construction	Building Construction	10/17/2020	10/17/2022	5	521
Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60
Paving	Paving	10/18/2022	11/14/2022	5	20

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse	Load
				Power	Factor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
Demolition	Excavators	3	8	158	0.38
Demolition	Rubber Tired Dozers	2	8	247	0.40
Site Preparation	Rubber Tired Dozers	3	8	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37
Grading	Excavators	1	8	158	0.38
Grading	Graders	1	8	187	0.41
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8	97	0.37
Building Construction	Cranes	1	7	231	0.29
Building Construction	Forklifts	3	8	89	0.20
Building Construction	Generator Sets	1	8	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37
Building Construction	Welders	1	8	46	0.45
Architectural Coating	Air Compressors	1	6	78	0.48
Paving	Pavers	2	8	130	0.42
Paving	Paving Equipment	2	8	132	0.36
Paving	Rollers	2	8	80	0.38

## Construction Trips

Phase Name	Worker Trip	Vendor Trip	Hauling Trip	Worker Trip	Vendor	Hauling
	Number	Number	Number	Length	Trip Length	Trip Length
Demolition	15	0	569	10.8	7.3	20
Site Preparation	18	0	0	10.8	7.3	20
Grading	15	0	6,250	10.8	7.3	20
Building Construction	740	196	0	10.8	7.3	20
Architectural Coating	148	0	0	10.8	7.3	20
Paving	15	0	0	10.8	7.3	20

### Annual Construction Emissions by Construction Activity (Unmitigated)

Construction Activity	Tons/Year			
	ROG	NO <sub>x</sub>	PM <sub>10</sub> (Exhaust)	PM <sub>2.5</sub> (Exhaust)
<b>2020</b>				
Demolition	0.04	0.41	0.02	0.02
Site Preparation	0.08	0.85	0.04	0.04
Grading	0.08	1.44	0.03	0.03
Building Construction—2020	0.14	1.17	0.03	0.03
<b>2021</b>				
Building Construction—2021	0.63	5.11	0.14	0.13
<b>2022</b>				
Building Construction—2022	0.46	3.72	0.09	0.09
Architectural Coating	5.96	0.05	0.00	0.00
Paving	0.01	0.11	0.01	0.01
<b>Total Construction Emissions</b>	<b>7.40</b>	<b>12.85</b>	<b>0.36</b>	<b>0.34</b>
Notes: ROG = reactive organic gases                      NO <sub>x</sub> = oxides of nitrogen PM <sub>10</sub> = particulate matter 10 microns in diameter PM <sub>2.5</sub> = particulate matter 2.5 microns in diameter Unrounded numbers from the CalEEMod output were used for all calculations. Source: CalEEMod output.				

1410 South Bascom Ave - Santa Clara County, Annual

**1410 South Bascom Ave  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<b>CH4 Intensity (lb/MWhr)</b>	0.022	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Project operations in the expected operational buildout year (2022).  
Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.

Land Use - Based on site plan and project description

Construction Phase - Estimated construction schedule

Demolition - Existing hardscape and structures to be demolished

Grading - 50,000 cubic yards of material to be exported

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81
tblVehicleTrips	SU_TR	5.86	3.09

tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3388	3.8677	2.3072	8.1600e-003	0.8143	0.1234	0.9377	0.3455	0.1146	0.4601	0.0000	755.3160	755.3160	0.0850	0.0000	757.4421
2021	0.6290	5.1093	5.0718	0.0174	0.9342	0.1358	1.0699	0.2524	0.1276	0.3800	0.0000	1,598.8545	1,598.8545	0.1162	0.0000	1,601.7600
2022	6.4312	3.8776	4.1048	0.0141	0.7737	0.0994	0.8731	0.2089	0.0935	0.3024	0.0000	1,295.5698	1,295.5698	0.0967	0.0000	1,297.9883
<b>Maximum</b>	<b>6.4312</b>	<b>5.1093</b>	<b>5.0718</b>	<b>0.0174</b>	<b>0.9342</b>	<b>0.1358</b>	<b>1.0699</b>	<b>0.3455</b>	<b>0.1276</b>	<b>0.4601</b>	<b>0.0000</b>	<b>1,598.8545</b>	<b>1,598.8545</b>	<b>0.1162</b>	<b>0.0000</b>	<b>1,601.7600</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3388	3.8677	2.3072	8.1600e-003	0.5081	0.1234	0.6315	0.1939	0.1146	0.3084	0.0000	755.3158	755.3158	0.0850	0.0000	757.4419
2021	0.6290	5.1093	5.0718	0.0174	0.9342	0.1358	1.0699	0.2524	0.1276	0.3800	0.0000	1,598.8541	1,598.8541	0.1162	0.0000	1,601.7596
2022	6.4312	3.8776	4.1048	0.0141	0.7737	0.0994	0.8731	0.2089	0.0935	0.3024	0.0000	1,295.5695	1,295.5695	0.0967	0.0000	1,297.9879
<b>Maximum</b>	<b>6.4312</b>	<b>5.1093</b>	<b>5.0718</b>	<b>0.0174</b>	<b>0.9342</b>	<b>0.1358</b>	<b>1.0699</b>	<b>0.2524</b>	<b>0.1276</b>	<b>0.3800</b>	<b>0.0000</b>	<b>1,598.8541</b>	<b>1,598.8541</b>	<b>0.1162</b>	<b>0.0000</b>	<b>1,601.7596</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12.14</b>	<b>0.00</b>	<b>10.63</b>	<b>18.80</b>	<b>0.00</b>	<b>13.27</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2020	8-31-2020	1.6155	1.6155
2	9-1-2020	11-30-2020	2.0208	2.0208
3	12-1-2020	2-28-2021	1.4780	1.4780
4	3-1-2021	5-31-2021	1.4427	1.4427
5	6-1-2021	8-31-2021	1.4351	1.4351
6	9-1-2021	11-30-2021	1.4344	1.4344
7	12-1-2021	2-28-2022	1.3520	1.3520

8	3-1-2022	5-31-2022	1.3290	1.3290
9	6-1-2022	8-31-2022	3.9703	3.9703
10	9-1-2022	9-30-2022	2.5783	2.5783
		Highest	3.9703	3.9703

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3065	0.0613	4.4799	3.0000e-004		0.0255	0.0255		0.0255	0.0255	0.0000	18.5436	18.5436	7.3200e-003	2.1000e-004	18.7879
Energy	0.0544	0.4796	0.3039	2.9700e-003		0.0376	0.0376		0.0376	0.0376	0.0000	1,856.8519	1,856.8519	0.1103	0.0326	1,869.3256
Mobile	0.9591	4.0767	11.2116	0.0389	3.5876	0.0330	3.6206	0.9603	0.0308	0.9911	0.0000	3,558.5772	3,558.5772	0.1199	0.0000	3,561.5744
Waste						0.0000	0.0000		0.0000	0.0000	112.6600	0.0000	112.6600	6.6580	0.0000	279.1103
Water						0.0000	0.0000		0.0000	0.0000	29.3182	92.1691	121.4873	3.0183	0.0727	218.6058
<b>Total</b>	<b>5.3201</b>	<b>4.6176</b>	<b>15.9953</b>	<b>0.0421</b>	<b>3.5876</b>	<b>0.0961</b>	<b>3.6837</b>	<b>0.9603</b>	<b>0.0939</b>	<b>1.0542</b>	<b>141.9782</b>	<b>5,526.1418</b>	<b>5,668.1200</b>	<b>9.9138</b>	<b>0.1055</b>	<b>5,947.4040</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3065	0.0613	4.4799	3.0000e-004		0.0255	0.0255		0.0255	0.0255	0.0000	18.5436	18.5436	7.3200e-003	2.1000e-004	18.7879
Energy	0.0544	0.4796	0.3039	2.9700e-003		0.0376	0.0376		0.0376	0.0376	0.0000	1,856.8519	1,856.8519	0.1103	0.0326	1,869.3256
Mobile	0.9591	4.0767	11.2116	0.0389	3.5876	0.0330	3.6206	0.9603	0.0308	0.9911	0.0000	3,558.5772	3,558.5772	0.1199	0.0000	3,561.5744
Waste						0.0000	0.0000		0.0000	0.0000	95.7610	0.0000	95.7610	5.6593	0.0000	237.2438
Water						0.0000	0.0000		0.0000	0.0000	23.4546	73.7353	97.1898	2.4146	0.0582	174.8846
<b>Total</b>	<b>5.3201</b>	<b>4.6176</b>	<b>15.9953</b>	<b>0.0421</b>	<b>3.5876</b>	<b>0.0961</b>	<b>3.6837</b>	<b>0.9603</b>	<b>0.0939</b>	<b>1.0542</b>	<b>119.2156</b>	<b>5,507.7080</b>	<b>5,626.9235</b>	<b>8.3114</b>	<b>0.0910</b>	<b>5,861.8163</b>



	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.03	0.33	0.73	16.16	13.78	1.44

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	521	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 20

Acres of Paving: 5.75

Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000;

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0616	0.0000	0.0616	9.3300e-003	0.0000	9.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0616</b>	<b>0.0166</b>	<b>0.0782</b>	<b>9.3300e-003</b>	<b>0.0154</b>	<b>0.0248</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3600e-003	0.0826	0.0169	2.2000e-004	4.8200e-003	2.7000e-004	5.0900e-003	1.3300e-003	2.6000e-004	1.5800e-003	0.0000	21.6990	21.6990	9.9000e-004	0.0000	21.7239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
<b>Total</b>	<b>2.8600e-003</b>	<b>0.0829</b>	<b>0.0207</b>	<b>2.3000e-004</b>	<b>6.0100e-003</b>	<b>2.8000e-004</b>	<b>6.2900e-003</b>	<b>1.6500e-003</b>	<b>2.7000e-004</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.7193</b>	<b>22.7193</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.7447</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0277	0.0000	0.0277	4.2000e-003	0.0000	4.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0277</b>	<b>0.0166</b>	<b>0.0443</b>	<b>4.2000e-003</b>	<b>0.0154</b>	<b>0.0196</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3600e-003	0.0826	0.0169	2.2000e-004	4.8200e-003	2.7000e-004	5.0900e-003	1.3300e-003	2.6000e-004	1.5800e-003	0.0000	21.6990	21.6990	9.9000e-004	0.0000	21.7239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
<b>Total</b>	<b>2.8600e-003</b>	<b>0.0829</b>	<b>0.0207</b>	<b>2.3000e-004</b>	<b>6.0100e-003</b>	<b>2.8000e-004</b>	<b>6.2900e-003</b>	<b>1.6500e-003</b>	<b>2.7000e-004</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.7193</b>	<b>22.7193</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.7447</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8614	66.8614	0.0216	0.0000	67.4020
<b>Total</b>	<b>0.0815</b>	<b>0.8484</b>	<b>0.4303</b>	<b>7.6000e-004</b>	<b>0.3613</b>	<b>0.0440</b>	<b>0.4053</b>	<b>0.1986</b>	<b>0.0404</b>	<b>0.2390</b>	<b>0.0000</b>	<b>66.8614</b>	<b>66.8614</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4020</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	8.6000e-004	9.0100e-003	3.0000e-005	2.8600e-003	2.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4485	2.4485	6.0000e-005	0.0000	2.4500
<b>Total</b>	<b>1.2000e-003</b>	<b>8.6000e-004</b>	<b>9.0100e-003</b>	<b>3.0000e-005</b>	<b>2.8600e-003</b>	<b>2.0000e-005</b>	<b>2.8700e-003</b>	<b>7.6000e-004</b>	<b>2.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.4485</b>	<b>2.4485</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.4500</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8613	66.8613	0.0216	0.0000	67.4019
<b>Total</b>	<b>0.0815</b>	<b>0.8484</b>	<b>0.4303</b>	<b>7.6000e-004</b>	<b>0.1626</b>	<b>0.0440</b>	<b>0.2066</b>	<b>0.0894</b>	<b>0.0404</b>	<b>0.1298</b>	<b>0.0000</b>	<b>66.8613</b>	<b>66.8613</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4019</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	8.6000e-004	9.0100e-003	3.0000e-005	2.8600e-003	2.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4485	2.4485	6.0000e-005	0.0000	2.4500
<b>Total</b>	<b>1.2000e-003</b>	<b>8.6000e-004</b>	<b>9.0100e-003</b>	<b>3.0000e-005</b>	<b>2.8600e-003</b>	<b>2.0000e-005</b>	<b>2.8700e-003</b>	<b>7.6000e-004</b>	<b>2.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.4485</b>	<b>2.4485</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.4500</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1339	0.0000	0.1339	0.0678	0.0000	0.0678	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0486	0.5277	0.3211	5.9000e-004		0.0255	0.0255		0.0234	0.0234	0.0000	52.1175	52.1175	0.0169	0.0000	52.5389
<b>Total</b>	<b>0.0486</b>	<b>0.5277</b>	<b>0.3211</b>	<b>5.9000e-004</b>	<b>0.1339</b>	<b>0.0255</b>	<b>0.1593</b>	<b>0.0678</b>	<b>0.0234</b>	<b>0.0912</b>	<b>0.0000</b>	<b>52.1175</b>	<b>52.1175</b>	<b>0.0169</b>	<b>0.0000</b>	<b>52.5389</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0260	0.9068	0.1857	2.4600e-003	0.0530	2.9500e-003	0.0559	0.0146	2.8200e-003	0.0174	0.0000	238.3462	238.3462	0.0109	0.0000	238.6188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	7.2000e-004	7.5100e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0405	2.0405	5.0000e-005	0.0000	2.0417
<b>Total</b>	<b>0.0270</b>	<b>0.9076</b>	<b>0.1932</b>	<b>2.4800e-003</b>	<b>0.0554</b>	<b>2.9700e-003</b>	<b>0.0583</b>	<b>0.0152</b>	<b>2.8300e-003</b>	<b>0.0180</b>	<b>0.0000</b>	<b>240.3867</b>	<b>240.3867</b>	<b>0.0110</b>	<b>0.0000</b>	<b>240.6605</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0602	0.0000	0.0602	0.0305	0.0000	0.0305	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0486	0.5277	0.3211	5.9000e-004		0.0255	0.0255		0.0234	0.0234	0.0000	52.1174	52.1174	0.0169	0.0000	52.5388
<b>Total</b>	<b>0.0486</b>	<b>0.5277</b>	<b>0.3211</b>	<b>5.9000e-004</b>	<b>0.0602</b>	<b>0.0255</b>	<b>0.0857</b>	<b>0.0305</b>	<b>0.0234</b>	<b>0.0539</b>	<b>0.0000</b>	<b>52.1174</b>	<b>52.1174</b>	<b>0.0169</b>	<b>0.0000</b>	<b>52.5388</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0260	0.9068	0.1857	2.4600e-003	0.0530	2.9500e-003	0.0559	0.0146	2.8200e-003	0.0174	0.0000	238.3462	238.3462	0.0109	0.0000	238.6188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	7.2000e-004	7.5100e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0405	2.0405	5.0000e-005	0.0000	2.0417
<b>Total</b>	<b>0.0270</b>	<b>0.9076</b>	<b>0.1932</b>	<b>2.4800e-003</b>	<b>0.0554</b>	<b>2.9700e-003</b>	<b>0.0583</b>	<b>0.0152</b>	<b>2.8300e-003</b>	<b>0.0180</b>	<b>0.0000</b>	<b>240.3867</b>	<b>240.3867</b>	<b>0.0110</b>	<b>0.0000</b>	<b>240.6605</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.5180	0.4549	7.3000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	62.5347	62.5347	0.0153	0.0000	62.9161
<b>Total</b>	<b>0.0572</b>	<b>0.5180</b>	<b>0.4549</b>	<b>7.3000e-004</b>		<b>0.0302</b>	<b>0.0302</b>		<b>0.0284</b>	<b>0.0284</b>	<b>0.0000</b>	<b>62.5347</b>	<b>62.5347</b>	<b>0.0153</b>	<b>0.0000</b>	<b>62.9161</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.6026	0.1605	1.4400e-003	0.0348	2.9800e-003	0.0378	0.0101	2.8500e-003	0.0129	0.0000	138.3555	138.3555	6.3400e-003	0.0000	138.5141
Worker	0.0664	0.0477	0.5000	1.5000e-003	0.1585	1.0200e-003	0.1595	0.0421	9.4000e-004	0.0431	0.0000	135.8939	135.8939	3.3300e-003	0.0000	135.9772
<b>Total</b>	<b>0.0873</b>	<b>0.6503</b>	<b>0.6605</b>	<b>2.9400e-003</b>	<b>0.1933</b>	<b>4.0000e-003</b>	<b>0.1973</b>	<b>0.0522</b>	<b>3.7900e-003</b>	<b>0.0560</b>	<b>0.0000</b>	<b>274.2494</b>	<b>274.2494</b>	<b>9.6700e-003</b>	<b>0.0000</b>	<b>274.4913</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.5180	0.4549	7.3000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	62.5346	62.5346	0.0153	0.0000	62.9160
<b>Total</b>	<b>0.0572</b>	<b>0.5180</b>	<b>0.4549</b>	<b>7.3000e-004</b>		<b>0.0302</b>	<b>0.0302</b>		<b>0.0284</b>	<b>0.0284</b>	<b>0.0000</b>	<b>62.5346</b>	<b>62.5346</b>	<b>0.0153</b>	<b>0.0000</b>	<b>62.9160</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.6026	0.1605	1.4400e-003	0.0348	2.9800e-003	0.0378	0.0101	2.8500e-003	0.0129	0.0000	138.3555	138.3555	6.3400e-003	0.0000	138.5141
Worker	0.0664	0.0477	0.5000	1.5000e-003	0.1585	1.0200e-003	0.1595	0.0421	9.4000e-004	0.0431	0.0000	135.8939	135.8939	3.3300e-003	0.0000	135.9772
<b>Total</b>	<b>0.0873</b>	<b>0.6503</b>	<b>0.6605</b>	<b>2.9400e-003</b>	<b>0.1933</b>	<b>4.0000e-003</b>	<b>0.1973</b>	<b>0.0522</b>	<b>3.7900e-003</b>	<b>0.0560</b>	<b>0.0000</b>	<b>274.2494</b>	<b>274.2494</b>	<b>9.6700e-003</b>	<b>0.0000</b>	<b>274.4913</b>

### 3.5 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
<b>Total</b>	<b>0.2481</b>	<b>2.2749</b>	<b>2.1631</b>	<b>3.5100e-003</b>		<b>0.1251</b>	<b>0.1251</b>		<b>0.1176</b>	<b>0.1176</b>	<b>0.0000</b>	<b>302.2867</b>	<b>302.2867</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1099</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0834	2.6284	0.6997	6.9100e-003	0.1683	5.8300e-003	0.1741	0.0487	5.5700e-003	0.0542	0.0000	662.5454	662.5454	0.0289	0.0000	663.2672
Worker	0.2975	0.2060	2.2091	7.0100e-003	0.7659	4.8200e-003	0.7707	0.2037	4.4400e-003	0.2081	0.0000	634.0224	634.0224	0.0144	0.0000	634.3829
<b>Total</b>	<b>0.3809</b>	<b>2.8344</b>	<b>2.9088</b>	<b>0.0139</b>	<b>0.9342</b>	<b>0.0107</b>	<b>0.9448</b>	<b>0.2524</b>	<b>0.0100</b>	<b>0.2624</b>	<b>0.0000</b>	<b>1,296.5678</b>	<b>1,296.5678</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1,297.6501</b>



### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
<b>Total</b>	<b>0.2481</b>	<b>2.2749</b>	<b>2.1631</b>	<b>3.5100e-003</b>		<b>0.1251</b>	<b>0.1251</b>		<b>0.1176</b>	<b>0.1176</b>	<b>0.0000</b>	<b>302.2863</b>	<b>302.2863</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1095</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0834	2.6284	0.6997	6.9100e-003	0.1683	5.8300e-003	0.1741	0.0487	5.5700e-003	0.0542	0.0000	662.5454	662.5454	0.0289	0.0000	663.2672
Worker	0.2975	0.2060	2.2091	7.0100e-003	0.7659	4.8200e-003	0.7707	0.2037	4.4400e-003	0.2081	0.0000	634.0224	634.0224	0.0144	0.0000	634.3829
<b>Total</b>	<b>0.3809</b>	<b>2.8344</b>	<b>2.9088</b>	<b>0.0139</b>	<b>0.9342</b>	<b>0.0107</b>	<b>0.9448</b>	<b>0.2524</b>	<b>0.0100</b>	<b>0.2624</b>	<b>0.0000</b>	<b>1,296.5678</b>	<b>1,296.5678</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1,297.6501</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1757	1.6084	1.6854	2.7700e-003		0.0833	0.0833		0.0784	0.0784	0.0000	238.6770	238.6770	0.0572	0.0000	240.1065
<b>Total</b>	<b>0.1757</b>	<b>1.6084</b>	<b>1.6854</b>	<b>2.7700e-003</b>		<b>0.0833</b>	<b>0.0833</b>		<b>0.0784</b>	<b>0.0784</b>	<b>0.0000</b>	<b>238.6770</b>	<b>238.6770</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1065</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0614	1.9610	0.5201	5.4000e-003	0.1328	4.0000e-003	0.1368	0.0384	3.8200e-003	0.0422	0.0000	517.9257	517.9257	0.0218	0.0000	518.4697
Worker	0.2192	0.1459	1.6026	5.3300e-003	0.6045	3.7200e-003	0.6082	0.1608	3.4300e-003	0.1642	0.0000	482.2392	482.2392	0.0102	0.0000	482.4943
<b>Total</b>	<b>0.2806</b>	<b>2.1069</b>	<b>2.1227</b>	<b>0.0107</b>	<b>0.7373</b>	<b>7.7200e-003</b>	<b>0.7451</b>	<b>0.1992</b>	<b>7.2500e-003</b>	<b>0.2064</b>	<b>0.0000</b>	<b>1,000.1649</b>	<b>1,000.1649</b>	<b>0.0320</b>	<b>0.0000</b>	<b>1,000.9640</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1757	1.6084	1.6854	2.7700e-003		0.0833	0.0833		0.0784	0.0784	0.0000	238.6767	238.6767	0.0572	0.0000	240.1062
<b>Total</b>	<b>0.1757</b>	<b>1.6084</b>	<b>1.6854</b>	<b>2.7700e-003</b>		<b>0.0833</b>	<b>0.0833</b>		<b>0.0784</b>	<b>0.0784</b>	<b>0.0000</b>	<b>238.6767</b>	<b>238.6767</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0614	1.9610	0.5201	5.4000e-003	0.1328	4.0000e-003	0.1368	0.0384	3.8200e-003	0.0422	0.0000	517.9257	517.9257	0.0218	0.0000	518.4697
Worker	0.2192	0.1459	1.6026	5.3300e-003	0.6045	3.7200e-003	0.6082	0.1608	3.4300e-003	0.1642	0.0000	482.2392	482.2392	0.0102	0.0000	482.4943
<b>Total</b>	<b>0.2806</b>	<b>2.1069</b>	<b>2.1227</b>	<b>0.0107</b>	<b>0.7373</b>	<b>7.7200e-003</b>	<b>0.7451</b>	<b>0.1992</b>	<b>7.2500e-003</b>	<b>0.2064</b>	<b>0.0000</b>	<b>1,000.1649</b>	<b>1,000.1649</b>	<b>0.0320</b>	<b>0.0000</b>	<b>1,000.9640</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.9426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1400e-003	0.0423	0.0544	9.0000e-005		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	7.6598	7.6598	5.0000e-004	0.0000	7.6722
<b>Total</b>	<b>5.9488</b>	<b>0.0423</b>	<b>0.0544</b>	<b>9.0000e-005</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>7.6598</b>	<b>7.6598</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>7.6722</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5000e-003	0.0934	3.1000e-004	0.0352	2.2000e-004	0.0354	9.3700e-003	2.0000e-004	9.5600e-003	0.0000	28.0916	28.0916	5.9000e-004	0.0000	28.1065
<b>Total</b>	<b>0.0128</b>	<b>8.5000e-003</b>	<b>0.0934</b>	<b>3.1000e-004</b>	<b>0.0352</b>	<b>2.2000e-004</b>	<b>0.0354</b>	<b>9.3700e-003</b>	<b>2.0000e-004</b>	<b>9.5600e-003</b>	<b>0.0000</b>	<b>28.0916</b>	<b>28.0916</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>28.1065</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.9426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1400e-003	0.0423	0.0544	9.0000e-005		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	7.6598	7.6598	5.0000e-004	0.0000	7.6722
<b>Total</b>	<b>5.9488</b>	<b>0.0423</b>	<b>0.0544</b>	<b>9.0000e-005</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>7.6598</b>	<b>7.6598</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>7.6722</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5000e-003	0.0934	3.1000e-004	0.0352	2.2000e-004	0.0354	9.3700e-003	2.0000e-004	9.5600e-003	0.0000	28.0916	28.0916	5.9000e-004	0.0000	28.1065
<b>Total</b>	<b>0.0128</b>	<b>8.5000e-003</b>	<b>0.0934</b>	<b>3.1000e-004</b>	<b>0.0352</b>	<b>2.2000e-004</b>	<b>0.0354</b>	<b>9.3700e-003</b>	<b>2.0000e-004</b>	<b>9.5600e-003</b>	<b>0.0000</b>	<b>28.0916</b>	<b>28.0916</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>28.1065</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	1.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0129</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0276</b>	<b>20.0276</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9490	0.9490	2.0000e-005	0.0000	0.9495
<b>Total</b>	<b>4.3000e-004</b>	<b>2.9000e-004</b>	<b>3.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9490</b>	<b>0.9490</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9495</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	1.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0129</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0275</b>	<b>20.0275</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9490	0.9490	2.0000e-005	0.0000	0.9495
<b>Total</b>	<b>4.3000e-004</b>	<b>2.9000e-004</b>	<b>3.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9490</b>	<b>0.9490</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9495</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9591	4.0767	11.2116	0.0389	3.5876	0.0330	3.6206	0.9603	0.0308	0.9911	0.0000	3,558.5772	3,558.5772	0.1199	0.0000	3,561.5744
Unmitigated	0.9591	4.0767	11.2116	0.0389	3.5876	0.0330	3.6206	0.9603	0.0308	0.9911	0.0000	3,558.5772	3,558.5772	0.1199	0.0000	3,561.5744

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,406.00	2,214.00	1854.00	5,311,437	5,311,437
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,397.00	543.00	174.00	4,336,377	4,336,377
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>4,803.00</b>	<b>2,757.00</b>	<b>2,028.00</b>	<b>9,647,814</b>	<b>9,647,814</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking Structure	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking with Elevator	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
General Office Building	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Non-Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,318.1618	1,318.1618	0.1000	0.0227	1,327.4344
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,318.1618	1,318.1618	0.1000	0.0227	1,327.4344
NaturalGas Mitigated	0.0544	0.4796	0.3039	2.9700e-003		0.0376	0.0376		0.0376	0.0376	0.0000	538.6900	538.6900	0.0103	9.8800e-003	541.8912
NaturalGas Unmitigated	0.0544	0.4796	0.3039	2.9700e-003		0.0376	0.0376		0.0376	0.0376	0.0000	538.6900	538.6900	0.0103	9.8800e-003	541.8912

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	5.18367e+006	0.0280	0.2389	0.1016	1.5200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.6204	276.6204	5.3000e-003	5.0700e-003	278.2642
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	4.911e+006	0.0265	0.2407	0.2022	1.4400e-003		0.0183	0.0183		0.0183	0.0183	0.0000	262.0697	262.0697	5.0200e-003	4.8000e-003	263.6270
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0544</b>	<b>0.4796</b>	<b>0.3039</b>	<b>2.9600e-003</b>		<b>0.0376</b>	<b>0.0376</b>		<b>0.0376</b>	<b>0.0376</b>	<b>0.0000</b>	<b>538.6900</b>	<b>538.6900</b>	<b>0.0103</b>	<b>9.8700e-003</b>	<b>541.8912</b>

### Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	5.18367e+006	0.0280	0.2389	0.1016	1.5200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	276.6204	276.6204	5.3000e-003	5.0700e-003	278.2642
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	4.911e+006	0.0265	0.2407	0.2022	1.4400e-003		0.0183	0.0183		0.0183	0.0183	0.0000	262.0697	262.0697	5.0200e-003	4.8000e-003	263.6270
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0544</b>	<b>0.4796</b>	<b>0.3039</b>	<b>2.9600e-003</b>		<b>0.0376</b>	<b>0.0376</b>		<b>0.0376</b>	<b>0.0376</b>	<b>0.0000</b>	<b>538.6900</b>	<b>538.6900</b>	<b>0.0103</b>	<b>9.8700e-003</b>	<b>541.8912</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.47701e+006	325.8303	0.0247	5.6200e-003	328.1224
Enclosed Parking Structure	1.12833e+006	148.4225	0.0113	2.5600e-003	149.4666
Enclosed Parking with Elevator	1.06652e+006	140.2920	0.0106	2.4200e-003	141.2788
General Office Building	5.349e+006	703.6170	0.0534	0.0121	708.5666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1,318.1618</b>	<b>0.1000</b>	<b>0.0227</b>	<b>1,327.4344</b>



## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.47701e+006	325.8303	0.0247	5.6200e-003	328.1224
Enclosed Parking Structure	1.12833e+006	148.4225	0.0113	2.5600e-003	149.4666
Enclosed Parking with Elevator	1.06652e+006	140.2920	0.0106	2.4200e-003	141.2788
General Office Building	5.349e+006	703.6170	0.0534	0.0121	708.5666
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1,318.1618</b>	<b>0.1000</b>	<b>0.0227</b>	<b>1,327.4344</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.3065	0.0613	4.4799	3.0000e-004		0.0255	0.0255		0.0255	0.0255	0.0000	18.5436	18.5436	7.3200e-003	2.1000e-004	18.7879
Unmitigated	4.3065	0.0613	4.4799	3.0000e-004		0.0255	0.0255		0.0255	0.0255	0.0000	18.5436	18.5436	7.3200e-003	2.1000e-004	18.7879

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1400e-003	9.7000e-003	4.1300e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2355	11.2355	2.2000e-004	2.1000e-004	11.3023
Landscaping	0.1362	0.0516	4.4757	2.4000e-004		0.0247	0.0247		0.0247	0.0247	0.0000	7.3081	7.3081	7.1000e-003	0.0000	7.4856
<b>Total</b>	<b>4.3065</b>	<b>0.0613</b>	<b>4.4799</b>	<b>3.0000e-004</b>		<b>0.0255</b>	<b>0.0255</b>		<b>0.0255</b>	<b>0.0255</b>	<b>0.0000</b>	<b>18.5436</b>	<b>18.5436</b>	<b>7.3200e-003</b>	<b>2.1000e-004</b>	<b>18.7879</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.5750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1400e-003	9.7000e-003	4.1300e-003	6.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	11.2355	11.2355	2.2000e-004	2.1000e-004	11.3023
Landscaping	0.1362	0.0516	4.4757	2.4000e-004		0.0247	0.0247		0.0247	0.0247	0.0000	7.3081	7.3081	7.1000e-003	0.0000	7.4856
<b>Total</b>	<b>4.3065</b>	<b>0.0613</b>	<b>4.4799</b>	<b>3.0000e-004</b>		<b>0.0255</b>	<b>0.0255</b>		<b>0.0255</b>	<b>0.0255</b>	<b>0.0000</b>	<b>18.5436</b>	<b>18.5436</b>	<b>7.3200e-003</b>	<b>2.1000e-004</b>	<b>18.7879</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	97.1898	2.4146	0.0582	174.8846
Unmitigated	121.4873	3.0183	0.0727	218.6058

### 7.2 Water by Land Use

#### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	39.0924 / 24.6452	51.5737	1.2768	0.0308	92.6581
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	53.3201 / 32.6801	69.9136	1.7415	0.0419	125.9477
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>121.4873</b>	<b>3.0183</b>	<b>0.0727</b>	<b>218.6058</b>

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	31.2739 / 19.7162	41.2590	1.0214	0.0246	74.1265
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.6561 / 26.1441	55.9309	1.3932	0.0336	100.7582
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>97.1898</b>	<b>2.4146</b>	<b>0.0582</b>	<b>174.8846</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	95.7610	5.6593	0.0000	237.2438
Unmitigated	112.6600	6.6580	0.0000	279.1103

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	276	56.0255	3.3110	0.0000	138.8008
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	279	56.6345	3.3470	0.0000	140.3095
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>112.6600</b>	<b>6.6580</b>	<b>0.0000</b>	<b>279.1103</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	234.6	47.6217	2.8144	0.0000	117.9807
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	237.15	48.1393	2.8450	0.0000	119.2631
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>95.7610</b>	<b>5.6593</b>	<b>0.0000</b>	<b>237.2438</b>

## 9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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1410 South Bascom Ave - Santa Clara County, Summer

**1410 South Bascom Ave  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<b>CH4 Intensity (lb/MWhr)</b>	0.022	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Project operations in the expected operational buildout year (2022).  
Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.

Land Use - Based on site plan and project description

Construction Phase - Estimated construction schedule

Demolition - Existing hardscape and structures to be demolished

Grading - 50,000 cubic yards of material to be exported

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81



tblVehicleTrips	SU_TR	5.86	3.09
tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.4535	70.8492	42.7831	0.1549	18.2141	2.1983	20.4125	9.9699	2.0225	11.9924	0.0000	16,224.1658	16,224.1658	1.5208	0.0000	16,262.1866
2021	4.9088	38.7691	40.2449	0.1382	7.4060	1.0396	8.4456	1.9944	0.9774	2.9719	0.0000	13,967.5820	13,967.5820	0.9826	0.0000	13,992.1463
2022	203.2460	37.3929	43.5270	0.1496	8.6218	0.9723	9.5942	2.3170	0.9194	3.2363	0.0000	15,096.5111	15,096.5111	0.9964	0.0000	15,121.4219
<b>Maximum</b>	<b>203.2460</b>	<b>70.8492</b>	<b>43.5270</b>	<b>0.1549</b>	<b>18.2141</b>	<b>2.1983</b>	<b>20.4125</b>	<b>9.9699</b>	<b>2.0225</b>	<b>11.9924</b>	<b>0.0000</b>	<b>16,224.1658</b>	<b>16,224.1658</b>	<b>1.5208</b>	<b>0.0000</b>	<b>16,262.1866</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.4535	70.8492	42.7831	0.1549	8.2777	2.1983	10.4760	4.5080	2.0225	6.5305	0.0000	16,224.1658	16,224.1658	1.5208	0.0000	16,262.1866
2021	4.9088	38.7691	40.2449	0.1382	7.4060	1.0396	8.4456	1.9944	0.9774	2.9719	0.0000	13,967.5820	13,967.5820	0.9826	0.0000	13,992.1463
2022	203.2460	37.3929	43.5270	0.1496	8.6218	0.9723	9.5942	2.3170	0.9194	3.2363	0.0000	15,096.5111	15,096.5111	0.9964	0.0000	15,121.4219
<b>Maximum</b>	<b>203.2460</b>	<b>70.8492</b>	<b>43.5270</b>	<b>0.1549</b>	<b>8.6218</b>	<b>2.1983</b>	<b>10.4760</b>	<b>4.5080</b>	<b>2.0225</b>	<b>6.5305</b>	<b>0.0000</b>	<b>16,224.1658</b>	<b>16,224.1658</b>	<b>1.5208</b>	<b>0.0000</b>	<b>16,262.1866</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.02</b>	<b>0.00</b>	<b>25.84</b>	<b>38.24</b>	<b>0.00</b>	<b>30.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Energy	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
Mobile	7.0691	25.3460	75.7511	0.2649	23.8717	0.2116	24.0832	6.3720	0.1976	6.5696		26,727.6561	26,727.6561	0.8599		26,749.1536
<b>Total</b>	<b>31.9294</b>	<b>30.2888</b>	<b>127.8875</b>	<b>0.2949</b>	<b>23.8717</b>	<b>0.8329</b>	<b>24.7045</b>	<b>6.3720</b>	<b>0.8189</b>	<b>7.1909</b>	<b>0.0000</b>	<b>32,294.4153</b>	<b>32,294.4153</b>	<b>1.0519</b>	<b>0.1004</b>	<b>32,350.6360</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Energy	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
Mobile	7.0691	25.3460	75.7511	0.2649	23.8717	0.2116	24.0832	6.3720	0.1976	6.5696		26,727.6561	26,727.6561	0.8599		26,749.1536
<b>Total</b>	<b>31.9294</b>	<b>30.2888</b>	<b>127.8875</b>	<b>0.2949</b>	<b>23.8717</b>	<b>0.8329</b>	<b>24.7045</b>	<b>6.3720</b>	<b>0.8189</b>	<b>7.1909</b>	<b>0.0000</b>	<b>32,294.4153</b>	<b>32,294.4153</b>	<b>1.0519</b>	<b>0.1004</b>	<b>32,350.6360</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	521	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 5.75**

**Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000; Striped**

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1618	0.0000	6.1618	0.9330	0.0000	0.9330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>6.1618</b>	<b>1.6587</b>	<b>7.8205</b>	<b>0.9330</b>	<b>1.5419</b>	<b>2.4748</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2337	8.0900	1.6380	0.0226	0.4972	0.0266	0.5239	0.1363	0.0255	0.1618		2,409.0604	2,409.0604	0.1072		2,411.7408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.2859</b>	<b>8.1221</b>	<b>2.0506</b>	<b>0.0238</b>	<b>0.6204</b>	<b>0.0274</b>	<b>0.6478</b>	<b>0.1690</b>	<b>0.0262</b>	<b>0.1952</b>		<b>2,529.9613</b>	<b>2,529.9613</b>	<b>0.1102</b>		<b>2,532.7158</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7728	0.0000	2.7728	0.4198	0.0000	0.4198			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>2.7728</b>	<b>1.6587</b>	<b>4.4315</b>	<b>0.4198</b>	<b>1.5419</b>	<b>1.9617</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2337	8.0900	1.6380	0.0226	0.4972	0.0266	0.5239	0.1363	0.0255	0.1618		2,409.0604	2,409.0604	0.1072		2,411.7408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.2859</b>	<b>8.1221</b>	<b>2.0506</b>	<b>0.0238</b>	<b>0.6204</b>	<b>0.0274</b>	<b>0.6478</b>	<b>0.1690</b>	<b>0.0262</b>	<b>0.1952</b>		<b>2,529.9613</b>	<b>2,529.9613</b>	<b>0.1102</b>		<b>2,532.7158</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0384	0.4951	1.4600e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.0812	145.0812	3.5500e-003		145.1699
<b>Total</b>	<b>0.0626</b>	<b>0.0384</b>	<b>0.4951</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.0812</b>	<b>145.0812</b>	<b>3.5500e-003</b>		<b>145.1699</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.1974</b>	<b>10.3272</b>	<b>4.4688</b>	<b>2.0216</b>	<b>6.4904</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>			<b>3,714.8975</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0626	0.0384	0.4951	1.4600e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.0812	145.0812	3.5500e-003			145.1699
<b>Total</b>	<b>0.0626</b>	<b>0.0384</b>	<b>0.4951</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.0812</b>	<b>145.0812</b>	<b>3.5500e-003</b>			<b>145.1699</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.6937	0.0000	6.6937	3.3889	0.0000	3.3889			0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290			2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.6937</b>	<b>1.2734</b>	<b>7.9671</b>	<b>3.3889</b>	<b>1.1716</b>	<b>4.5604</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>			<b>2,895.7106</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2836	44.4313	8.9962	0.1240	2.7307	0.1463	2.8770	0.7484	0.1400	0.8884		13,230.7797	13,230.7797	0.5889		13,245.5011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>1.3357</b>	<b>44.4633</b>	<b>9.4088</b>	<b>0.1252</b>	<b>2.8539</b>	<b>0.1471</b>	<b>3.0010</b>	<b>0.7811</b>	<b>0.1407</b>	<b>0.9218</b>		<b>13,351.6807</b>	<b>13,351.6807</b>	<b>0.5918</b>		<b>13,366.4760</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0122	0.0000	3.0122	1.5250	0.0000	1.5250			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>3.0122</b>	<b>1.2734</b>	<b>4.2856</b>	<b>1.5250</b>	<b>1.1716</b>	<b>2.6966</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2836	44.4313	8.9962	0.1240	2.7307	0.1463	2.8770	0.7484	0.1400	0.8884		13,230.7797	13,230.7797	0.5889		13,245.5011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>1.3357</b>	<b>44.4633</b>	<b>9.4088</b>	<b>0.1252</b>	<b>2.8539</b>	<b>0.1471</b>	<b>3.0010</b>	<b>0.7811</b>	<b>0.1407</b>	<b>0.9218</b>		<b>13,351.6807</b>	<b>13,351.6807</b>	<b>0.5918</b>		<b>13,366.4760</b>



### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7615	22.0412	5.5822	0.0540	1.3269	0.1098	1.4368	0.3820	0.1050	0.4870		5,709.4581	5,709.4581	0.2505		5,715.7199
Worker	2.5722	1.5794	20.3524	0.0599	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,964.4473	5,964.4473	0.1460		5,968.0964
<b>Total</b>	<b>3.3336</b>	<b>23.6207</b>	<b>25.9346</b>	<b>0.1139</b>	<b>7.4059</b>	<b>0.1477</b>	<b>7.5536</b>	<b>1.9944</b>	<b>0.1400</b>	<b>2.1344</b>		<b>11,673.9054</b>	<b>11,673.9054</b>	<b>0.3964</b>		<b>11,683.8163</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.7615	22.0412	5.5822	0.0540	1.3269	0.1098	1.4368	0.3820	0.1050	0.4870		5,709.4581	5,709.4581	0.2505			5,715.7199
Worker	2.5722	1.5794	20.3524	0.0599	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,964.4473	5,964.4473	0.1460			5,968.0964
<b>Total</b>	<b>3.3336</b>	<b>23.6207</b>	<b>25.9346</b>	<b>0.1139</b>	<b>7.4059</b>	<b>0.1477</b>	<b>7.5536</b>	<b>1.9944</b>	<b>0.1400</b>	<b>2.1344</b>		<b>11,673.9054</b>	<b>11,673.9054</b>	<b>0.3964</b>			<b>11,683.8163</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160			2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>			<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6249	19.9252	5.0218	0.0535	1.3270	0.0441	1.3711	0.3820	0.0421	0.4242		5,656.9376	5,656.9376	0.2358			5,662.8314
Worker	2.3829	1.4119	18.6480	0.0578	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,757.2805	5,757.2805	0.1308			5,760.5506
<b>Total</b>	<b>3.0078</b>	<b>21.3370</b>	<b>23.6697</b>	<b>0.1113</b>	<b>7.4060</b>	<b>0.0810</b>	<b>7.4870</b>	<b>1.9944</b>	<b>0.0761</b>	<b>2.0706</b>		<b>11,414.2181</b>	<b>11,414.2181</b>	<b>0.3666</b>			<b>11,423.3820</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6249	19.9252	5.0218	0.0535	1.3270	0.0441	1.3711	0.3820	0.0421	0.4242		5,656.9376	5,656.9376	0.2358		5,662.8314
Worker	2.3829	1.4119	18.6480	0.0578	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,757.2805	5,757.2805	0.1308		5,760.5506
<b>Total</b>	<b>3.0078</b>	<b>21.3370</b>	<b>23.6697</b>	<b>0.1113</b>	<b>7.4060</b>	<b>0.0810</b>	<b>7.4870</b>	<b>1.9944</b>	<b>0.0761</b>	<b>2.0706</b>		<b>11,414.2181</b>	<b>11,414.2181</b>	<b>0.3666</b>		<b>11,423.3820</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5830	18.8484	4.7295	0.0530	1.3271	0.0383	1.3654	0.3821	0.0366	0.4187		5,603.2090	5,603.2090	0.2252			5,608.8388
Worker	2.2205	1.2670	17.1838	0.0557	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,547.9338	5,547.9338	0.1175			5,550.8706
<b>Total</b>	<b>2.8035</b>	<b>20.1154</b>	<b>21.9132</b>	<b>0.1086</b>	<b>7.4060</b>	<b>0.0744</b>	<b>7.4804</b>	<b>1.9945</b>	<b>0.0699</b>	<b>2.0643</b>		<b>11,151.1427</b>	<b>11,151.1427</b>	<b>0.3427</b>			<b>11,159.7094</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120			2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>			<b>2,569.6322</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5830	18.8484	4.7295	0.0530	1.3271	0.0383	1.3654	0.3821	0.0366	0.4187		5,603.2090	5,603.2090	0.2252			5,608.8388
Worker	2.2205	1.2670	17.1838	0.0557	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,547.9338	5,547.9338	0.1175			5,550.8706
<b>Total</b>	<b>2.8035</b>	<b>20.1154</b>	<b>21.9132</b>	<b>0.1086</b>	<b>7.4060</b>	<b>0.0744</b>	<b>7.4804</b>	<b>1.9945</b>	<b>0.0699</b>	<b>2.0643</b>		<b>11,151.1427</b>	<b>11,151.1427</b>	<b>0.3427</b>			<b>11,159.7094</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4441	0.2534	3.4368	0.0111	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,109.5868	1,109.5868	0.0235		1,110.1741
<b>Total</b>	<b>0.4441</b>	<b>0.2534</b>	<b>3.4368</b>	<b>0.0111</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,109.5868</b>	<b>1,109.5868</b>	<b>0.0235</b>		<b>1,110.1741</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4441	0.2534	3.4368	0.0111	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,109.5868	1,109.5868	0.0235			1,110.1741
<b>Total</b>	<b>0.4441</b>	<b>0.2534</b>	<b>3.4368</b>	<b>0.0111</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,109.5868</b>	<b>1,109.5868</b>	<b>0.0235</b>			<b>1,110.1741</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140			2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>			<b>2,225.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0450	0.0257	0.3483	1.1300e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		112.4581	112.4581	2.3800e-003			112.5177
<b>Total</b>	<b>0.0450</b>	<b>0.0257</b>	<b>0.3483</b>	<b>1.1300e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>112.4581</b>	<b>112.4581</b>	<b>2.3800e-003</b>			<b>112.5177</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0257	0.3483	1.1300e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		112.4581	112.4581	2.3800e-003		112.5177
<b>Total</b>	<b>0.0450</b>	<b>0.0257</b>	<b>0.3483</b>	<b>1.1300e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>112.4581</b>	<b>112.4581</b>	<b>2.3800e-003</b>		<b>112.5177</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.0691	25.3460	75.7511	0.2649	23.8717	0.2116	24.0832	6.3720	0.1976	6.5696		26,727.6561	26,727.6561	0.8599		26,749.1536
Unmitigated	7.0691	25.3460	75.7511	0.2649	23.8717	0.2116	24.0832	6.3720	0.1976	6.5696		26,727.6561	26,727.6561	0.8599		26,749.1536

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,406.00	2,214.00	1854.00	5,311,437	5,311,437
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,397.00	543.00	174.00	4,336,377	4,336,377
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>4,803.00</b>	<b>2,757.00</b>	<b>2,028.00</b>	<b>9,647,814</b>	<b>9,647,814</b>

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking Structure	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking with Elevator	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
General Office Building	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Non-Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740



## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
NaturalGas Unmitigated	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	14201.8	0.1532	1.3088	0.5569	8.3500e-003		0.1058	0.1058		0.1058	0.1058		1,670.8042	1,670.8042	0.0320	0.0306	1,680.7329
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	13454.8	0.1451	1.3191	1.1080	7.9100e-003		0.1003	0.1003		0.1003	0.1003		1,582.9170	1,582.9170	0.0303	0.0290	1,592.3235
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.2983</b>	<b>2.6279</b>	<b>1.6650</b>	<b>0.0163</b>		<b>0.2061</b>	<b>0.2061</b>		<b>0.2061</b>	<b>0.2061</b>		<b>3,253.7212</b>	<b>3,253.7212</b>	<b>0.0624</b>	<b>0.0597</b>	<b>3,273.0564</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	14.2018	0.1532	1.3088	0.5569	8.3500e-003		0.1058	0.1058		0.1058	0.1058		1,670.8042	1,670.8042	0.0320	0.0306	1,680.7329
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	13.4548	0.1451	1.3191	1.1080	7.9100e-003		0.1003	0.1003		0.1003	0.1003		1,582.9170	1,582.9170	0.0303	0.0290	1,592.3235
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.2983</b>	<b>2.6279</b>	<b>1.6650</b>	<b>0.0163</b>		<b>0.2061</b>	<b>0.2061</b>		<b>0.2061</b>	<b>0.2061</b>		<b>3,253.7212</b>	<b>3,253.7212</b>	<b>0.0624</b>	<b>0.0597</b>	<b>3,273.0564</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Unmitigated	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5888					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2038	1.7418	0.7412	0.0111		0.1408	0.1408		0.1408	0.1408	0.0000	2,223.5294	2,223.5294	0.0426	0.0408	2,236.7427
Landscaping	1.5131	0.5731	49.7303	2.6300e-003		0.2744	0.2744		0.2744	0.2744		89.5086	89.5086	0.0870		91.6832
<b>Total</b>	<b>24.5620</b>	<b>2.3149</b>	<b>50.4715</b>	<b>0.0138</b>		<b>0.4153</b>	<b>0.4153</b>		<b>0.4153</b>	<b>0.4153</b>	<b>0.0000</b>	<b>2,313.0380</b>	<b>2,313.0380</b>	<b>0.1296</b>	<b>0.0408</b>	<b>2,328.4260</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5888					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2038	1.7418	0.7412	0.0111		0.1408	0.1408		0.1408	0.1408	0.0000	2,223.5294	2,223.5294	0.0426	0.0408	2,236.7427
Landscaping	1.5131	0.5731	49.7303	2.6300e-003		0.2744	0.2744		0.2744	0.2744		89.5086	89.5086	0.0870		91.6832
<b>Total</b>	<b>24.5620</b>	<b>2.3149</b>	<b>50.4715</b>	<b>0.0138</b>		<b>0.4153</b>	<b>0.4153</b>		<b>0.4153</b>	<b>0.4153</b>	<b>0.0000</b>	<b>2,313.0380</b>	<b>2,313.0380</b>	<b>0.1296</b>	<b>0.0408</b>	<b>2,328.4260</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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1410 South Bascom Ave - Santa Clara County, Winter

**1410 South Bascom Ave  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Project operations in the expected operational buildout year (2022).  
 Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.  
 Land Use - Based on site plan and project description  
 Construction Phase - Estimated construction schedule  
 Demolition - Existing hardscape and structures to be demolished  
 Grading - 50,000 cubic yards of material to be exported

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81
tblVehicleTrips	SU_TR	5.86	3.09

tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6571	71.9403	42.0669	0.1527	18.2141	2.1983	20.4125	9.9699	2.0225	11.9924	0.0000	15,990.0686	15,990.0686	1.5484	0.0000	16,028.7778
2021	5.1021	39.2591	39.5408	0.1321	7.4060	1.0410	8.4470	1.9944	0.9788	2.9732	0.0000	13,355.5492	13,355.5492	0.9915	0.0000	13,380.3371
2022	203.4638	37.8766	42.5531	0.1429	8.6218	0.9736	9.5955	2.3170	0.9206	3.2376	0.0000	14,412.0332	14,412.0332	1.0033	0.0000	14,437.1149
<b>Maximum</b>	<b>203.4638</b>	<b>71.9403</b>	<b>42.5531</b>	<b>0.1527</b>	<b>18.2141</b>	<b>2.1983</b>	<b>20.4125</b>	<b>9.9699</b>	<b>2.0225</b>	<b>11.9924</b>	<b>0.0000</b>	<b>15,990.0686</b>	<b>15,990.0686</b>	<b>1.5484</b>	<b>0.0000</b>	<b>16,028.7778</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6571	71.9403	42.0669	0.1527	8.2777	2.1983	10.4760	4.5080	2.0225	6.5305	0.0000	15,990.0686	15,990.0686	1.5484	0.0000	16,028.7778
2021	5.1021	39.2591	39.5408	0.1321	7.4060	1.0410	8.4470	1.9944	0.9788	2.9732	0.0000	13,355.5492	13,355.5492	0.9915	0.0000	13,380.3371
2022	203.4638	37.8766	42.5531	0.1429	8.6218	0.9736	9.5955	2.3170	0.9206	3.2376	0.0000	14,412.0332	14,412.0332	1.0033	0.0000	14,437.1149
<b>Maximum</b>	<b>203.4638</b>	<b>71.9403</b>	<b>42.5531</b>	<b>0.1527</b>	<b>8.6218</b>	<b>2.1983</b>	<b>10.4760</b>	<b>4.5080</b>	<b>2.0225</b>	<b>6.5305</b>	<b>0.0000</b>	<b>15,990.0686</b>	<b>15,990.0686</b>	<b>1.5484</b>	<b>0.0000</b>	<b>16,028.7778</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>29.02</b>	<b>0.00</b>	<b>25.84</b>	<b>38.24</b>	<b>0.00</b>	<b>30.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## 2.2 Overall Operational

### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Energy	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
Mobile	6.1158	26.7112	74.9151	0.2469	23.8717	0.2129	24.0846	6.3720	0.1989	6.5708		24,916.3625	24,916.3625	0.8681		24,938.0647
<b>Total</b>	<b>30.9761</b>	<b>31.6539</b>	<b>127.0516</b>	<b>0.2769</b>	<b>23.8717</b>	<b>0.8342</b>	<b>24.7059</b>	<b>6.3720</b>	<b>0.8202</b>	<b>7.1922</b>	<b>0.0000</b>	<b>30,483.1218</b>	<b>30,483.1218</b>	<b>1.0601</b>	<b>0.1004</b>	<b>30,539.5471</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Energy	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
Mobile	6.1158	26.7112	74.9151	0.2469	23.8717	0.2129	24.0846	6.3720	0.1989	6.5708		24,916.3625	24,916.3625	0.8681		24,938.0647
<b>Total</b>	<b>30.9761</b>	<b>31.6539</b>	<b>127.0516</b>	<b>0.2769</b>	<b>23.8717</b>	<b>0.8342</b>	<b>24.7059</b>	<b>6.3720</b>	<b>0.8202</b>	<b>7.1922</b>	<b>0.0000</b>	<b>30,483.1218</b>	<b>30,483.1218</b>	<b>1.0601</b>	<b>0.1004</b>	<b>30,539.5471</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	521	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 5.75**

**Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000; Striped**

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1618	0.0000	6.1618	0.9330	0.0000	0.9330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>6.1618</b>	<b>1.6587</b>	<b>7.8205</b>	<b>0.9330</b>	<b>1.5419</b>	<b>2.4748</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2402	8.2874	1.7627	0.0222	0.4972	0.0271	0.5243	0.1363	0.0259	0.1622		2,368.2260	2,368.2260	0.1123		2,371.0327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>0.2956</b>	<b>8.3265</b>	<b>2.1450</b>	<b>0.0233</b>	<b>0.6204</b>	<b>0.0278</b>	<b>0.6483</b>	<b>0.1690</b>	<b>0.0266</b>	<b>0.1956</b>		<b>2,479.2959</b>	<b>2,479.2959</b>	<b>0.1150</b>		<b>2,482.1715</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7728	0.0000	2.7728	0.4198	0.0000	0.4198			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>2.7728</b>	<b>1.6587</b>	<b>4.4315</b>	<b>0.4198</b>	<b>1.5419</b>	<b>1.9617</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2402	8.2874	1.7627	0.0222	0.4972	0.0271	0.5243	0.1363	0.0259	0.1622		2,368.2260	2,368.2260	0.1123		2,371.0327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>0.2956</b>	<b>8.3265</b>	<b>2.1450</b>	<b>0.0233</b>	<b>0.6204</b>	<b>0.0278</b>	<b>0.6483</b>	<b>0.1690</b>	<b>0.0266</b>	<b>0.1956</b>		<b>2,479.2959</b>	<b>2,479.2959</b>	<b>0.1150</b>		<b>2,482.1715</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0469	0.4587	1.3400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		133.2839	133.2839	3.3000e-003		133.3665
<b>Total</b>	<b>0.0666</b>	<b>0.0469</b>	<b>0.4587</b>	<b>1.3400e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>133.2839</b>	<b>133.2839</b>	<b>3.3000e-003</b>		<b>133.3665</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>8.1298</b>	<b>2.1974</b>	<b>10.3272</b>	<b>4.4688</b>	<b>2.0216</b>	<b>6.4904</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>			<b>3,714.8975</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0666	0.0469	0.4587	1.3400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		133.2839	133.2839	3.3000e-003			133.3665
<b>Total</b>	<b>0.0666</b>	<b>0.0469</b>	<b>0.4587</b>	<b>1.3400e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>133.2839</b>	<b>133.2839</b>	<b>3.3000e-003</b>			<b>133.3665</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.6937	0.0000	6.6937	3.3889	0.0000	3.3889			0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290			2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.6937</b>	<b>1.2734</b>	<b>7.9671</b>	<b>3.3889</b>	<b>1.1716</b>	<b>4.5604</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>			<b>2,895.7106</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3190	45.5153	9.6810	0.1219	2.7307	0.1487	2.8794	0.7484	0.1423	0.8907		13,006.5135	13,006.5135	0.6166		13,021.9284
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>1.3744</b>	<b>45.5545</b>	<b>10.0632</b>	<b>0.1230</b>	<b>2.8539</b>	<b>0.1495</b>	<b>3.0034</b>	<b>0.7811</b>	<b>0.1430</b>	<b>0.9241</b>		<b>13,117.5835</b>	<b>13,117.5835</b>	<b>0.6194</b>		<b>13,133.0672</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0122	0.0000	3.0122	1.5250	0.0000	1.5250			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>3.0122</b>	<b>1.2734</b>	<b>4.2856</b>	<b>1.5250</b>	<b>1.1716</b>	<b>2.6966</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3190	45.5153	9.6810	0.1219	2.7307	0.1487	2.8794	0.7484	0.1423	0.8907		13,006.5135	13,006.5135	0.6166		13,021.9284
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>1.3744</b>	<b>45.5545</b>	<b>10.0632</b>	<b>0.1230</b>	<b>2.8539</b>	<b>0.1495</b>	<b>3.0034</b>	<b>0.7811</b>	<b>0.1430</b>	<b>0.9241</b>		<b>13,117.5835</b>	<b>13,117.5835</b>	<b>0.6194</b>		<b>13,133.0672</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8014	22.2957	6.3599	0.0527	1.3269	0.1115	1.4385	0.3820	0.1067	0.4887		5,564.5203	5,564.5203	0.2698		5,571.2641
Worker	2.7360	1.9294	18.8585	0.0550	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,479.4497	5,479.4497	0.1358		5,482.8456
<b>Total</b>	<b>3.5373</b>	<b>24.2251</b>	<b>25.2184</b>	<b>0.1077</b>	<b>7.4059</b>	<b>0.1495</b>	<b>7.5553</b>	<b>1.9944</b>	<b>0.1416</b>	<b>2.1360</b>		<b>11,043.9699</b>	<b>11,043.9699</b>	<b>0.4056</b>		<b>11,054.1097</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8014	22.2957	6.3599	0.0527	1.3269	0.1115	1.4385	0.3820	0.1067	0.4887		5,564.5203	5,564.5203	0.2698		5,571.2641
Worker	2.7360	1.9294	18.8585	0.0550	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,479.4497	5,479.4497	0.1358		5,482.8456
<b>Total</b>	<b>3.5373</b>	<b>24.2251</b>	<b>25.2184</b>	<b>0.1077</b>	<b>7.4059</b>	<b>0.1495</b>	<b>7.5553</b>	<b>1.9944</b>	<b>0.1416</b>	<b>2.1360</b>		<b>11,043.9699</b>	<b>11,043.9699</b>	<b>0.4056</b>		<b>11,054.1097</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6621	20.1028	5.7499	0.0522	1.3270	0.0455	1.3725	0.3820	0.0435	0.4255		5,512.9011	5,512.9011	0.2541		5,519.2529
Worker	2.5391	1.7242	17.2157	0.0531	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,289.2842	5,289.2842	0.1214		5,292.3199
<b>Total</b>	<b>3.2012</b>	<b>21.8270</b>	<b>22.9656</b>	<b>0.1052</b>	<b>7.4060</b>	<b>0.0824</b>	<b>7.4884</b>	<b>1.9944</b>	<b>0.0775</b>	<b>2.0720</b>		<b>10,802.1853</b>	<b>10,802.1853</b>	<b>0.3755</b>		<b>10,811.5728</b>



### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6621	20.1028	5.7499	0.0522	1.3270	0.0455	1.3725	0.3820	0.0435	0.4255		5,512.9011	5,512.9011	0.2541		5,519.2529
Worker	2.5391	1.7242	17.2157	0.0531	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,289.2842	5,289.2842	0.1214		5,292.3199
<b>Total</b>	<b>3.2012</b>	<b>21.8270</b>	<b>22.9656</b>	<b>0.1052</b>	<b>7.4060</b>	<b>0.0824</b>	<b>7.4884</b>	<b>1.9944</b>	<b>0.0775</b>	<b>2.0720</b>		<b>10,802.1853</b>	<b>10,802.1853</b>	<b>0.3755</b>		<b>10,811.5728</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6177	18.9965	5.4158	0.0516	1.3271	0.0396	1.3667	0.3821	0.0378	0.4199		5,459.6190	5,459.6190	0.2425			5,465.6819
Worker	2.3730	1.5467	15.8003	0.0511	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,097.1937	5,097.1937	0.1087			5,099.9122
<b>Total</b>	<b>2.9908</b>	<b>20.5432</b>	<b>21.2160</b>	<b>0.1027</b>	<b>7.4060</b>	<b>0.0757</b>	<b>7.4817</b>	<b>1.9945</b>	<b>0.0711</b>	<b>2.0656</b>		<b>10,556.8128</b>	<b>10,556.8128</b>	<b>0.3513</b>			<b>10,565.5941</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120			2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>			<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6177	18.9965	5.4158	0.0516	1.3271	0.0396	1.3667	0.3821	0.0378	0.4199		5,459.6190	5,459.6190	0.2425			5,465.6819
Worker	2.3730	1.5467	15.8003	0.0511	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,097.1937	5,097.1937	0.1087			5,099.9122
<b>Total</b>	<b>2.9908</b>	<b>20.5432</b>	<b>21.2160</b>	<b>0.1027</b>	<b>7.4060</b>	<b>0.0757</b>	<b>7.4817</b>	<b>1.9945</b>	<b>0.0711</b>	<b>2.0656</b>		<b>10,556.8128</b>	<b>10,556.8128</b>	<b>0.3513</b>			<b>10,565.5941</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4746	0.3093	3.1601	0.0102	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,019.4388	1,019.4388	0.0218		1,019.9824
<b>Total</b>	<b>0.4746</b>	<b>0.3093</b>	<b>3.1601</b>	<b>0.0102</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,019.4388</b>	<b>1,019.4388</b>	<b>0.0218</b>		<b>1,019.9824</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4746	0.3093	3.1601	0.0102	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,019.4388	1,019.4388	0.0218			1,019.9824
<b>Total</b>	<b>0.4746</b>	<b>0.3093</b>	<b>3.1601</b>	<b>0.0102</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,019.4388</b>	<b>1,019.4388</b>	<b>0.0218</b>			<b>1,019.9824</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140			2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>			<b>2,225.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0314	0.3203	1.0400e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		103.3215	103.3215	2.2000e-003			103.3766
<b>Total</b>	<b>0.0481</b>	<b>0.0314</b>	<b>0.3203</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>103.3215</b>	<b>103.3215</b>	<b>2.2000e-003</b>			<b>103.3766</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0481	0.0314	0.3203	1.0400e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		103.3215	103.3215	2.2000e-003		103.3766
<b>Total</b>	<b>0.0481</b>	<b>0.0314</b>	<b>0.3203</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>103.3215</b>	<b>103.3215</b>	<b>2.2000e-003</b>		<b>103.3766</b>

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.1158	26.7112	74.9151	0.2469	23.8717	0.2129	24.0846	6.3720	0.1989	6.5708		24,916.3625	24,916.3625	0.8681		24,938.0647
Unmitigated	6.1158	26.7112	74.9151	0.2469	23.8717	0.2129	24.0846	6.3720	0.1989	6.5708		24,916.3625	24,916.3625	0.8681		24,938.0647

## 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,406.00	2,214.00	1854.00	5,311,437	5,311,437
Enclosed Parking Structure	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	2,397.00	543.00	174.00	4,336,377	4,336,377
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
<b>Total</b>	<b>4,803.00</b>	<b>2,757.00</b>	<b>2,028.00</b>	<b>9,647,814</b>	<b>9,647,814</b>

## 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

## 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking Structure	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Enclosed Parking with Elevator	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
General Office Building	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Non-Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564
NaturalGas Unmitigated	0.2983	2.6279	1.6650	0.0163		0.2061	0.2061		0.2061	0.2061		3,253.7212	3,253.7212	0.0624	0.0597	3,273.0564

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	14201.8	0.1532	1.3088	0.5569	8.3500e-003		0.1058	0.1058		0.1058	0.1058		1,670.8042	1,670.8042	0.0320	0.0306	1,680.7329
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	13454.8	0.1451	1.3191	1.1080	7.9100e-003		0.1003	0.1003		0.1003	0.1003		1,582.9170	1,582.9170	0.0303	0.0290	1,592.3235
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.2983</b>	<b>2.6279</b>	<b>1.6650</b>	<b>0.0163</b>		<b>0.2061</b>	<b>0.2061</b>		<b>0.2061</b>	<b>0.2061</b>		<b>3,253.7212</b>	<b>3,253.7212</b>	<b>0.0624</b>	<b>0.0597</b>	<b>3,273.0564</b>

### Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	14.2018	0.1532	1.3088	0.5569	8.3500e-003		0.1058	0.1058		0.1058	0.1058		1,670.8042	1,670.8042	0.0320	0.0306	1,680.7329
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	13.4548	0.1451	1.3191	1.1080	7.9100e-003		0.1003	0.1003		0.1003	0.1003		1,582.9170	1,582.9170	0.0303	0.0290	1,592.3235
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.2983</b>	<b>2.6279</b>	<b>1.6650</b>	<b>0.0163</b>		<b>0.2061</b>	<b>0.2061</b>		<b>0.2061</b>	<b>0.2061</b>		<b>3,253.7212</b>	<b>3,253.7212</b>	<b>0.0624</b>	<b>0.0597</b>	<b>3,273.0564</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260
Unmitigated	24.5620	2.3149	50.4715	0.0137		0.4153	0.4153		0.4153	0.4153	0.0000	2,313.0380	2,313.0380	0.1296	0.0408	2,328.4260



## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5888					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2038	1.7418	0.7412	0.0111		0.1408	0.1408		0.1408	0.1408	0.0000	2,223.5294	2,223.5294	0.0426	0.0408	2,236.7427
Landscaping	1.5131	0.5731	49.7303	2.6300e-003		0.2744	0.2744		0.2744	0.2744		89.5086	89.5086	0.0870		91.6832
<b>Total</b>	<b>24.5620</b>	<b>2.3149</b>	<b>50.4715</b>	<b>0.0138</b>		<b>0.4153</b>	<b>0.4153</b>		<b>0.4153</b>	<b>0.4153</b>	<b>0.0000</b>	<b>2,313.0380</b>	<b>2,313.0380</b>	<b>0.1296</b>	<b>0.0408</b>	<b>2,328.4260</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.2562					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.5888					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2038	1.7418	0.7412	0.0111		0.1408	0.1408		0.1408	0.1408	0.0000	2,223.5294	2,223.5294	0.0426	0.0408	2,236.7427
Landscaping	1.5131	0.5731	49.7303	2.6300e-003		0.2744	0.2744		0.2744	0.2744		89.5086	89.5086	0.0870		91.6832
<b>Total</b>	<b>24.5620</b>	<b>2.3149</b>	<b>50.4715</b>	<b>0.0138</b>		<b>0.4153</b>	<b>0.4153</b>		<b>0.4153</b>	<b>0.4153</b>	<b>0.0000</b>	<b>2,313.0380</b>	<b>2,313.0380</b>	<b>0.1296</b>	<b>0.0408</b>	<b>2,328.4260</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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1410 South Bascom Ave - Existing Land Use Operations - Santa Clara County, Annual

**1410 South Bascom Ave - Existing Land Use Operations  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	76.89	1000sqft	1.77	76,894.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1410 South Bascom Ave - Existing Land Use Operations  
 Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.

Land Use - Existing retail

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

Vehicle Trips - Trip generation based on ITE Trip Generation Manual, 10th Ed, consistent with the project-specific transportation analysis prepared by Hexagon Transportation Consultants, Inc.

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	76,890.00	76,894.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblVehicleTrips	ST_TR	49.97	45.63
tblVehicleTrips	SU_TR	25.24	20.88
tblVehicleTrips	WD_TR	42.70	37.35

## 2.0 Emissions Summary

### 2.2 Overall Operational

#### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3405	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Energy	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	117.8519	117.8519	8.3900e-003	2.0400e-003	118.6703
Mobile	0.5928	2.3791	6.1687	0.0201	1.8137	0.0174	1.8311	0.4855	0.0163	0.5018	0.0000	1,841.1113	1,841.1113	0.0661	0.0000	1,842.7641
Waste						0.0000	0.0000		0.0000	0.0000	16.3875	0.0000	16.3875	0.9685	0.0000	40.5992
Water						0.0000	0.0000		0.0000	0.0000	1.8069	5.6610	7.4679	0.1860	4.4800e-003	13.4532
<b>Total</b>	<b>0.9343</b>	<b>2.3881</b>	<b>6.1769</b>	<b>0.0202</b>	<b>1.8137</b>	<b>0.0181</b>	<b>1.8318</b>	<b>0.4855</b>	<b>0.0169</b>	<b>0.5024</b>	<b>18.1944</b>	<b>1,964.6255</b>	<b>1,982.8199</b>	<b>1.2290</b>	<b>6.5200e-003</b>	<b>2,015.4883</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3405	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Energy	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	117.8519	117.8519	8.3900e-003	2.0400e-003	118.6703
Mobile	0.5928	2.3791	6.1687	0.0201	1.8137	0.0174	1.8311	0.4855	0.0163	0.5018	0.0000	1,841.1113	1,841.1113	0.0661	0.0000	1,842.7641
Waste						0.0000	0.0000		0.0000	0.0000	13.9293	0.0000	13.9293	0.8232	0.0000	34.5094
Water						0.0000	0.0000		0.0000	0.0000	1.8069	5.6610	7.4679	0.1860	4.4800e-003	13.4532
<b>Total</b>	<b>0.9343</b>	<b>2.3881</b>	<b>6.1769</b>	<b>0.0202</b>	<b>1.8137</b>	<b>0.0181</b>	<b>1.8318</b>	<b>0.4855</b>	<b>0.0169</b>	<b>0.5024</b>	<b>15.7362</b>	<b>1,964.6255</b>	<b>1,980.3617</b>	<b>1.0837</b>	<b>6.5200e-003</b>	<b>2,009.3984</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>13.51</b>	<b>0.00</b>	<b>0.12</b>	<b>11.82</b>	<b>0.00</b>	<b>0.30</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5928	2.3791	6.1687	0.0201	1.8137	0.0174	1.8311	0.4855	0.0163	0.5018	0.0000	1,841.1113	1,841.1113	0.0661	0.0000	1,842.7641
Unmitigated	0.5928	2.3791	6.1687	0.0201	1.8137	0.0174	1.8311	0.4855	0.0163	0.5018	0.0000	1,841.1113	1,841.1113	0.0661	0.0000	1,842.7641

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	2,871.84	3,508.49	1,605.46	4,877,484	4,877,484
<b>Total</b>	<b>2,871.84</b>	<b>3,508.49</b>	<b>1,605.46</b>	<b>4,877,484</b>	<b>4,877,484</b>

### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	108.1269	108.1269	8.2000e-003	1.8600e-003	108.8876
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	108.1269	108.1269	8.2000e-003	1.8600e-003	108.8876
NaturalGas Mitigated	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7250	9.7250	1.9000e-004	1.8000e-004	9.7828
NaturalGas Unmitigated	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7250	9.7250	1.9000e-004	1.8000e-004	9.7828

### 5.2 Energy by Land Use - NaturalGas

#### Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	182239	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7250	9.7250	1.9000e-004	1.8000e-004	9.7828
<b>Total</b>		<b>9.8000e-004</b>	<b>8.9300e-003</b>	<b>7.5000e-003</b>	<b>5.0000e-005</b>		<b>6.8000e-004</b>	<b>6.8000e-004</b>		<b>6.8000e-004</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>9.7250</b>	<b>9.7250</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>9.7828</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	182239	9.8000e-004	8.9300e-003	7.5000e-003	5.0000e-005		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	9.7250	9.7250	1.9000e-004	1.8000e-004	9.7828
<b>Total</b>		<b>9.8000e-004</b>	<b>8.9300e-003</b>	<b>7.5000e-003</b>	<b>5.0000e-005</b>		<b>6.8000e-004</b>	<b>6.8000e-004</b>		<b>6.8000e-004</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>9.7250</b>	<b>9.7250</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>9.7828</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	821997	108.1269	8.2000e-003	1.8600e-003	108.8876
<b>Total</b>		<b>108.1269</b>	<b>8.2000e-003</b>	<b>1.8600e-003</b>	<b>108.8876</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	821997	108.1269	8.2000e-003	1.8600e-003	108.8876
<b>Total</b>		<b>108.1269</b>	<b>8.2000e-003</b>	<b>1.8600e-003</b>	<b>108.8876</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3405	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Unmitigated	0.3405	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
<b>Total</b>	<b>0.3405</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3700e-003</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4600e-003</b>

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0401					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
<b>Total</b>	<b>0.3405</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3700e-003</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4600e-003</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.4679	0.1860	4.4800e-003	13.4532
Unmitigated	7.4679	0.1860	4.4800e-003	13.4532



## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	5.69544 / 3.49075	7.4679	0.1860	4.4800e-003	13.4532
<b>Total</b>		<b>7.4679</b>	<b>0.1860</b>	<b>4.4800e-003</b>	<b>13.4532</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	5.69544 / 3.49075	7.4679	0.1860	4.4800e-003	13.4532
<b>Total</b>		<b>7.4679</b>	<b>0.1860</b>	<b>4.4800e-003</b>	<b>13.4532</b>

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.9293	0.8232	0.0000	34.5094
Unmitigated	16.3875	0.9685	0.0000	40.5992

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	80.73	16.3875	0.9685	0.0000	40.5992
<b>Total</b>		<b>16.3875</b>	<b>0.9685</b>	<b>0.0000</b>	<b>40.5992</b>

### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	68.6205	13.9293	0.8232	0.0000	34.5094
<b>Total</b>		<b>13.9293</b>	<b>0.8232</b>	<b>0.0000</b>	<b>34.5094</b>

## 9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

1410 South Bascom Ave - Existing Land Use Operations - Santa Clara County, Summer

**1410 South Bascom Ave - Existing Land Use Operations  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	76.89	1000sqft	1.77	76,894.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1410 South Bascom Ave - Existing Land Use Operations  
Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.

Land Use - Existing retail

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

Vehicle Trips - Trip generation based on ITE Trip Generation Manual, 10th Ed, consistent with the project-specific transportation analysis prepared by Hexagon Transportation Consultants, Inc.

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	76,890.00	76,894.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblVehicleTrips	ST_TR	49.97	45.63
tblVehicleTrips	SU_TR	25.24	20.88
tblVehicleTrips	WD_TR	42.70	37.35

## 2.0 Emissions Summary

### 2.2 Overall Operational

#### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Energy	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
Mobile	4.7633	16.0365	44.1170	0.1477	13.0123	0.1203	13.1326	3.4733	0.1123	3.5856		14,904.1303	14,904.1303	0.5069		14,916.8036
<b>Total</b>	<b>6.6346</b>	<b>16.0856</b>	<b>44.1660</b>	<b>0.1480</b>	<b>13.0123</b>	<b>0.1241</b>	<b>13.1363</b>	<b>3.4733</b>	<b>0.1161</b>	<b>3.5894</b>		<b>14,962.8865</b>	<b>14,962.8865</b>	<b>0.5081</b>	<b>1.0800e-003</b>	<b>14,975.9099</b>

### Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Energy	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
Mobile	4.7633	16.0365	44.1170	0.1477	13.0123	0.1203	13.1326	3.4733	0.1123	3.5856		14,904.1303	14,904.1303	0.5069		14,916.8036
<b>Total</b>	<b>6.6346</b>	<b>16.0856</b>	<b>44.1660</b>	<b>0.1480</b>	<b>13.0123</b>	<b>0.1241</b>	<b>13.1363</b>	<b>3.4733</b>	<b>0.1161</b>	<b>3.5894</b>		<b>14,962.8865</b>	<b>14,962.8865</b>	<b>0.5081</b>	<b>1.0800e-003</b>	<b>14,975.9099</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7633	16.0365	44.1170	0.1477	13.0123	0.1203	13.1326	3.4733	0.1123	3.5856		14,904.1303	14,904.1303	0.5069		14,916.8036
Unmitigated	4.7633	16.0365	44.1170	0.1477	13.0123	0.1203	13.1326	3.4733	0.1123	3.5856		14,904.1303	14,904.1303	0.5069		14,916.8036

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Regional Shopping Center	2,871.84	3,508.49	1605.46	4,877,484	4,877,484
<b>Total</b>	<b>2,871.84</b>	<b>3,508.49</b>	<b>1,605.46</b>	<b>4,877,484</b>	<b>4,877,484</b>

#### 4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
NaturalGas Unmitigated	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	499.284	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
<b>Total</b>		<b>5.3800e-003</b>	<b>0.0490</b>	<b>0.0411</b>	<b>2.9000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>58.7393</b>	<b>58.7393</b>	<b>1.1300e-003</b>	<b>1.0800e-003</b>	<b>59.0884</b>

##### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	0.499284	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
<b>Total</b>		<b>5.3800e-003</b>	<b>0.0490</b>	<b>0.0411</b>	<b>2.9000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>58.7393</b>	<b>58.7393</b>	<b>1.1300e-003</b>	<b>1.0800e-003</b>	<b>59.0884</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Unmitigated	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
<b>Total</b>	<b>1.8660</b>	<b>7.0000e-005</b>	<b>7.8600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0168</b>	<b>0.0168</b>	<b>4.0000e-005</b>		<b>0.0179</b>

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
<b>Total</b>	<b>1.8660</b>	<b>7.0000e-005</b>	<b>7.8600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0168</b>	<b>0.0168</b>	<b>4.0000e-005</b>		<b>0.0179</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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1410 South Bascom Ave - Existing Land Use Operations - Santa Clara County, Winter

**1410 South Bascom Ave - Existing Land Use Operations  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	76.89	1000sqft	1.77	76,894.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - 1410 South Bascom Ave - Existing Land Use Operations  
Energy intensity factors adjusted based on PG&E 2020 rate and the Renewable Portfolio Standard.

Land Use - Existing retail

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

Vehicle Trips - Trip generation based on ITE Trip Generation Manual, 10th Ed, consistent with the project-specific transportation analysis prepared by Hexagon Transportation Consultants, Inc.

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	1.00
tblLandUse	LandUseSquareFeet	76,890.00	76,894.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblVehicleTrips	ST_TR	49.97	45.63
tblVehicleTrips	SU_TR	25.24	20.88
tblVehicleTrips	WD_TR	42.70	37.35

## 2.0 Emissions Summary

### 2.2 Overall Operational

#### Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Energy	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
Mobile	4.0766	16.7637	44.9026	0.1376	13.0123	0.1213	13.1336	3.4733	0.1133	3.5866		13,889.3758	13,889.3758	0.5195		13,902.3636
<b>Total</b>	<b>5.9479</b>	<b>16.8127</b>	<b>44.9516</b>	<b>0.1379</b>	<b>13.0123</b>	<b>0.1250</b>	<b>13.1373</b>	<b>3.4733</b>	<b>0.1170</b>	<b>3.5903</b>		<b>13,948.1319</b>	<b>13,948.1319</b>	<b>0.5207</b>	<b>1.0800e-003</b>	<b>13,961.4699</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Energy	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
Mobile	4.0766	16.7637	44.9026	0.1376	13.0123	0.1213	13.1336	3.4733	0.1133	3.5866		13,889.3758	13,889.3758	0.5195		13,902.3636
<b>Total</b>	<b>5.9479</b>	<b>16.8127</b>	<b>44.9516</b>	<b>0.1379</b>	<b>13.0123</b>	<b>0.1250</b>	<b>13.1373</b>	<b>3.4733</b>	<b>0.1170</b>	<b>3.5903</b>		<b>13,948.1319</b>	<b>13,948.1319</b>	<b>0.5207</b>	<b>1.0800e-003</b>	<b>13,961.4699</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.0766	16.7637	44.9026	0.1376	13.0123	0.1213	13.1336	3.4733	0.1133	3.5866		13,889.3758	13,889.3758	0.5195		13,902.3636
Unmitigated	4.0766	16.7637	44.9026	0.1376	13.0123	0.1213	13.1336	3.4733	0.1133	3.5866		13,889.3758	13,889.3758	0.5195		13,902.3636

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	2,871.84	3,508.49	1605.46	4,877,484	4,877,484
<b>Total</b>	<b>2,871.84</b>	<b>3,508.49</b>	<b>1,605.46</b>	<b>4,877,484</b>	<b>4,877,484</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
NaturalGas Unmitigated	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	499.284	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
<b>Total</b>		<b>5.3800e-003</b>	<b>0.0490</b>	<b>0.0411</b>	<b>2.9000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>58.7393</b>	<b>58.7393</b>	<b>1.1300e-003</b>	<b>1.0800e-003</b>	<b>59.0884</b>

##### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Regional Shopping Center	0.499284	5.3800e-003	0.0490	0.0411	2.9000e-004		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003		58.7393	58.7393	1.1300e-003	1.0800e-003	59.0884
<b>Total</b>		<b>5.3800e-003</b>	<b>0.0490</b>	<b>0.0411</b>	<b>2.9000e-004</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>		<b>58.7393</b>	<b>58.7393</b>	<b>1.1300e-003</b>	<b>1.0800e-003</b>	<b>59.0884</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
Unmitigated	1.8660	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179

### 6.2 Area by SubCategory

#### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
<b>Total</b>	<b>1.8660</b>	<b>7.0000e-005</b>	<b>7.8600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0168</b>	<b>0.0168</b>	<b>4.0000e-005</b>		<b>0.0179</b>

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.3000e-004	7.0000e-005	7.8600e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.0168	0.0168	4.0000e-005		0.0179
<b>Total</b>	<b>1.8660</b>	<b>7.0000e-005</b>	<b>7.8600e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>0.0168</b>	<b>0.0168</b>	<b>4.0000e-005</b>		<b>0.0179</b>

## 7.0 Water Detail

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### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

## 9.0 Operational Offroad

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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1410 South Bascom Ave - Tier IV Interim Mitigated Construction - Santa Clara County, Annual

**1410 South Bascom Ave - Tier IV Interim Mitigated Construction  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Construction only

Land Use - Based on site plan and project description

Construction Phase - Estimated construction schedule

Demolition - Existing hardscape and structures to be demolished

Grading - 50,000 cubic yards of material to be exported

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Tier IV Interim mitigation for construction equipment >50 HP

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim



tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81
tblVehicleTrips	SU_TR	5.86	3.09
tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3388	3.8677	2.3072	8.1600e-003	0.8143	0.1234	0.9377	0.3455	0.1146	0.4601	0.0000	755.3160	755.3160	0.0850	0.0000	757.4421
2021	0.6290	5.1093	5.0718	0.0174	0.9342	0.1358	1.0699	0.2524	0.1276	0.3800	0.0000	1,598.8545	1,598.8545	0.1162	0.0000	1,601.7600
2022	6.4312	3.8776	4.1048	0.0141	0.7737	0.0994	0.8731	0.2089	0.0935	0.3024	0.0000	1,295.5698	1,295.5698	0.0967	0.0000	1,297.9883
<b>Maximum</b>	<b>6.4312</b>	<b>5.1093</b>	<b>5.0718</b>	<b>0.0174</b>	<b>0.9342</b>	<b>0.1358</b>	<b>1.0699</b>	<b>0.3455</b>	<b>0.1276</b>	<b>0.4601</b>	<b>0.0000</b>	<b>1,598.8545</b>	<b>1,598.8545</b>	<b>0.1162</b>	<b>0.0000</b>	<b>1,601.7600</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1710	2.5192	2.4590	8.1600e-003	0.5081	0.0135	0.5215	0.1939	0.0131	0.2070	0.0000	755.3158	755.3158	0.0850	0.0000	757.4419
2021	0.4843	4.2385	5.2703	0.0174	0.9342	0.0253	0.9595	0.2524	0.0246	0.2770	0.0000	1,598.8541	1,598.8541	0.1162	0.0000	1,601.7596
2022	6.3222	3.3514	4.3086	0.0141	0.7737	0.0189	0.7927	0.2089	0.0184	0.2273	0.0000	1,295.5695	1,295.5695	0.0967	0.0000	1,297.9879
<b>Maximum</b>	<b>6.3222</b>	<b>4.2385</b>	<b>5.2703</b>	<b>0.0174</b>	<b>0.9342</b>	<b>0.0253</b>	<b>0.9595</b>	<b>0.2524</b>	<b>0.0246</b>	<b>0.2770</b>	<b>0.0000</b>	<b>1,598.8541</b>	<b>1,598.8541</b>	<b>0.1162</b>	<b>0.0000</b>	<b>1,601.7596</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>5.70</b>	<b>21.36</b>	<b>-4.82</b>	<b>0.00</b>	<b>12.14</b>	<b>83.93</b>	<b>21.08</b>	<b>18.80</b>	<b>83.27</b>	<b>37.74</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2020	8-31-2020	1.6155	0.6709
2	9-1-2020	11-30-2020	2.0208	1.5706
3	12-1-2020	2-28-2021	1.4780	1.2072
4	3-1-2021	5-31-2021	1.4427	1.1870
5	6-1-2021	8-31-2021	1.4351	1.1795
6	9-1-2021	11-30-2021	1.4344	1.1815
7	12-1-2021	2-28-2022	1.3520	1.1428
8	3-1-2022	5-31-2022	1.3290	1.1371
9	6-1-2022	8-31-2022	3.9703	3.7718
10	9-1-2022	9-30-2022	2.5783	2.5103
		Highest	3.9703	3.7718

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	52	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 5.75**

**Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000;**

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0616	0.0000	0.0616	9.3300e-003	0.0000	9.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>0.0616</b>	<b>0.0166</b>	<b>0.0782</b>	<b>9.3300e-003</b>	<b>0.0154</b>	<b>0.0248</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3600e-003	0.0826	0.0169	2.2000e-004	4.8200e-003	2.7000e-004	5.0900e-003	1.3300e-003	2.6000e-004	1.5800e-003	0.0000	21.6990	21.6990	9.9000e-004	0.0000	21.7239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
<b>Total</b>	<b>2.8600e-003</b>	<b>0.0829</b>	<b>0.0207</b>	<b>2.3000e-004</b>	<b>6.0100e-003</b>	<b>2.8000e-004</b>	<b>6.2900e-003</b>	<b>1.6500e-003</b>	<b>2.7000e-004</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.7193</b>	<b>22.7193</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.7447</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0277	0.0000	0.0277	4.2000e-003	0.0000	4.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8400e-003	0.1356	0.2467	3.9000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>5.8400e-003</b>	<b>0.1356</b>	<b>0.2467</b>	<b>3.9000e-004</b>	<b>0.0277</b>	<b>6.2000e-004</b>	<b>0.0284</b>	<b>4.2000e-003</b>	<b>6.2000e-004</b>	<b>4.8200e-003</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.3600e-003	0.0826	0.0169	2.2000e-004	4.8200e-003	2.7000e-004	5.0900e-003	1.3300e-003	2.6000e-004	1.5800e-003	0.0000	21.6990	21.6990	9.9000e-004	0.0000	21.7239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.6000e-004	3.7500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	1.0202	1.0202	3.0000e-005	0.0000	1.0209
<b>Total</b>	<b>2.8600e-003</b>	<b>0.0829</b>	<b>0.0207</b>	<b>2.3000e-004</b>	<b>6.0100e-003</b>	<b>2.8000e-004</b>	<b>6.2900e-003</b>	<b>1.6500e-003</b>	<b>2.7000e-004</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.7193</b>	<b>22.7193</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>22.7447</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3613	0.0000	0.3613	0.1986	0.0000	0.1986	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0815	0.8484	0.4303	7.6000e-004		0.0440	0.0440		0.0404	0.0404	0.0000	66.8614	66.8614	0.0216	0.0000	67.4020
<b>Total</b>	<b>0.0815</b>	<b>0.8484</b>	<b>0.4303</b>	<b>7.6000e-004</b>	<b>0.3613</b>	<b>0.0440</b>	<b>0.4053</b>	<b>0.1986</b>	<b>0.0404</b>	<b>0.2390</b>	<b>0.0000</b>	<b>66.8614</b>	<b>66.8614</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4020</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	8.6000e-004	9.0100e-003	3.0000e-005	2.8600e-003	2.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4485	2.4485	6.0000e-005	0.0000	2.4500
<b>Total</b>	<b>1.2000e-003</b>	<b>8.6000e-004</b>	<b>9.0100e-003</b>	<b>3.0000e-005</b>	<b>2.8600e-003</b>	<b>2.0000e-005</b>	<b>2.8700e-003</b>	<b>7.6000e-004</b>	<b>2.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.4485</b>	<b>2.4485</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.4500</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1626	0.0000	0.1626	0.0894	0.0000	0.0894	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.2432	0.4592	7.6000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	66.8613	66.8613	0.0216	0.0000	67.4019
<b>Total</b>	<b>0.0139</b>	<b>0.2432</b>	<b>0.4592</b>	<b>7.6000e-004</b>	<b>0.1626</b>	<b>1.2400e-003</b>	<b>0.1638</b>	<b>0.0894</b>	<b>1.2400e-003</b>	<b>0.0906</b>	<b>0.0000</b>	<b>66.8613</b>	<b>66.8613</b>	<b>0.0216</b>	<b>0.0000</b>	<b>67.4019</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-003	8.6000e-004	9.0100e-003	3.0000e-005	2.8600e-003	2.0000e-005	2.8700e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.4485	2.4485	6.0000e-005	0.0000	2.4500
<b>Total</b>	<b>1.2000e-003</b>	<b>8.6000e-004</b>	<b>9.0100e-003</b>	<b>3.0000e-005</b>	<b>2.8600e-003</b>	<b>2.0000e-005</b>	<b>2.8700e-003</b>	<b>7.6000e-004</b>	<b>2.0000e-005</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>2.4485</b>	<b>2.4485</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.4500</b>

### 3.4 Grading - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1339	0.0000	0.1339	0.0678	0.0000	0.0678	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0486	0.5277	0.3211	5.9000e-004		0.0255	0.0255		0.0234	0.0234	0.0000	52.1175	52.1175	0.0169	0.0000	52.5389
<b>Total</b>	<b>0.0486</b>	<b>0.5277</b>	<b>0.3211</b>	<b>5.9000e-004</b>	<b>0.1339</b>	<b>0.0255</b>	<b>0.1593</b>	<b>0.0678</b>	<b>0.0234</b>	<b>0.0912</b>	<b>0.0000</b>	<b>52.1175</b>	<b>52.1175</b>	<b>0.0169</b>	<b>0.0000</b>	<b>52.5389</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0260	0.9068	0.1857	2.4600e-003	0.0530	2.9500e-003	0.0559	0.0146	2.8200e-003	0.0174	0.0000	238.3462	238.3462	0.0109	0.0000	238.6188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	7.2000e-004	7.5100e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0405	2.0405	5.0000e-005	0.0000	2.0417
<b>Total</b>	<b>0.0270</b>	<b>0.9076</b>	<b>0.1932</b>	<b>2.4800e-003</b>	<b>0.0554</b>	<b>2.9700e-003</b>	<b>0.0583</b>	<b>0.0152</b>	<b>2.8300e-003</b>	<b>0.0180</b>	<b>0.0000</b>	<b>240.3867</b>	<b>240.3867</b>	<b>0.0110</b>	<b>0.0000</b>	<b>240.6605</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0602	0.0000	0.0602	0.0305	0.0000	0.0305	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.2067	0.3798	5.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	52.1174	52.1174	0.0169	0.0000	52.5388
<b>Total</b>	<b>0.0104</b>	<b>0.2067</b>	<b>0.3798</b>	<b>5.9000e-004</b>	<b>0.0602</b>	<b>9.7000e-004</b>	<b>0.0612</b>	<b>0.0305</b>	<b>9.7000e-004</b>	<b>0.0315</b>	<b>0.0000</b>	<b>52.1174</b>	<b>52.1174</b>	<b>0.0169</b>	<b>0.0000</b>	<b>52.5388</b>



### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0260	0.9068	0.1857	2.4600e-003	0.0530	2.9500e-003	0.0559	0.0146	2.8200e-003	0.0174	0.0000	238.3462	238.3462	0.0109	0.0000	238.6188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	7.2000e-004	7.5100e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.3900e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.0405	2.0405	5.0000e-005	0.0000	2.0417
<b>Total</b>	<b>0.0270</b>	<b>0.9076</b>	<b>0.1932</b>	<b>2.4800e-003</b>	<b>0.0554</b>	<b>2.9700e-003</b>	<b>0.0583</b>	<b>0.0152</b>	<b>2.8300e-003</b>	<b>0.0180</b>	<b>0.0000</b>	<b>240.3867</b>	<b>240.3867</b>	<b>0.0110</b>	<b>0.0000</b>	<b>240.6605</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.5180	0.4549	7.3000e-004		0.0302	0.0302		0.0284	0.0284	0.0000	62.5347	62.5347	0.0153	0.0000	62.9161
<b>Total</b>	<b>0.0572</b>	<b>0.5180</b>	<b>0.4549</b>	<b>7.3000e-004</b>		<b>0.0302</b>	<b>0.0302</b>		<b>0.0284</b>	<b>0.0284</b>	<b>0.0000</b>	<b>62.5347</b>	<b>62.5347</b>	<b>0.0153</b>	<b>0.0000</b>	<b>62.9161</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.6026	0.1605	1.4400e-003	0.0348	2.9800e-003	0.0378	0.0101	2.8500e-003	0.0129	0.0000	138.3555	138.3555	6.3400e-003	0.0000	138.5141
Worker	0.0664	0.0477	0.5000	1.5000e-003	0.1585	1.0200e-003	0.1595	0.0421	9.4000e-004	0.0431	0.0000	135.8939	135.8939	3.3300e-003	0.0000	135.9772
<b>Total</b>	<b>0.0873</b>	<b>0.6503</b>	<b>0.6605</b>	<b>2.9400e-003</b>	<b>0.1933</b>	<b>4.0000e-003</b>	<b>0.1973</b>	<b>0.0522</b>	<b>3.7900e-003</b>	<b>0.0560</b>	<b>0.0000</b>	<b>274.2494</b>	<b>274.2494</b>	<b>9.6700e-003</b>	<b>0.0000</b>	<b>274.4913</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0225	0.2922	0.4899	7.3000e-004		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	62.5346	62.5346	0.0153	0.0000	62.9160
<b>Total</b>	<b>0.0225</b>	<b>0.2922</b>	<b>0.4899</b>	<b>7.3000e-004</b>		<b>3.3700e-003</b>	<b>3.3700e-003</b>		<b>3.3700e-003</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>62.5346</b>	<b>62.5346</b>	<b>0.0153</b>	<b>0.0000</b>	<b>62.9160</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0210	0.6026	0.1605	1.4400e-003	0.0348	2.9800e-003	0.0378	0.0101	2.8500e-003	0.0129	0.0000	138.3555	138.3555	6.3400e-003	0.0000	138.5141
Worker	0.0664	0.0477	0.5000	1.5000e-003	0.1585	1.0200e-003	0.1595	0.0421	9.4000e-004	0.0431	0.0000	135.8939	135.8939	3.3300e-003	0.0000	135.9772
<b>Total</b>	<b>0.0873</b>	<b>0.6503</b>	<b>0.6605</b>	<b>2.9400e-003</b>	<b>0.1933</b>	<b>4.0000e-003</b>	<b>0.1973</b>	<b>0.0522</b>	<b>3.7900e-003</b>	<b>0.0560</b>	<b>0.0000</b>	<b>274.2494</b>	<b>274.2494</b>	<b>9.6700e-003</b>	<b>0.0000</b>	<b>274.4913</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
<b>Total</b>	<b>0.2481</b>	<b>2.2749</b>	<b>2.1631</b>	<b>3.5100e-003</b>		<b>0.1251</b>	<b>0.1251</b>		<b>0.1176</b>	<b>0.1176</b>	<b>0.0000</b>	<b>302.2867</b>	<b>302.2867</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1099</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0834	2.6284	0.6997	6.9100e-003	0.1683	5.8300e-003	0.1741	0.0487	5.5700e-003	0.0542	0.0000	662.5454	662.5454	0.0289	0.0000	663.2672
Worker	0.2975	0.2060	2.2091	7.0100e-003	0.7659	4.8200e-003	0.7707	0.2037	4.4400e-003	0.2081	0.0000	634.0224	634.0224	0.0144	0.0000	634.3829
<b>Total</b>	<b>0.3809</b>	<b>2.8344</b>	<b>2.9088</b>	<b>0.0139</b>	<b>0.9342</b>	<b>0.0107</b>	<b>0.9448</b>	<b>0.2524</b>	<b>0.0100</b>	<b>0.2624</b>	<b>0.0000</b>	<b>1,296.5678</b>	<b>1,296.5678</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1,297.6501</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1034	1.4042	2.3615	3.5100e-003		0.0146	0.0146		0.0146	0.0146	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
<b>Total</b>	<b>0.1034</b>	<b>1.4042</b>	<b>2.3615</b>	<b>3.5100e-003</b>		<b>0.0146</b>	<b>0.0146</b>		<b>0.0146</b>	<b>0.0146</b>	<b>0.0000</b>	<b>302.2863</b>	<b>302.2863</b>	<b>0.0729</b>	<b>0.0000</b>	<b>304.1095</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0834	2.6284	0.6997	6.9100e-003	0.1683	5.8300e-003	0.1741	0.0487	5.5700e-003	0.0542	0.0000	662.5454	662.5454	0.0289	0.0000	663.2672
Worker	0.2975	0.2060	2.2091	7.0100e-003	0.7659	4.8200e-003	0.7707	0.2037	4.4400e-003	0.2081	0.0000	634.0224	634.0224	0.0144	0.0000	634.3829
<b>Total</b>	<b>0.3809</b>	<b>2.8344</b>	<b>2.9088</b>	<b>0.0139</b>	<b>0.9342</b>	<b>0.0107</b>	<b>0.9448</b>	<b>0.2524</b>	<b>0.0100</b>	<b>0.2624</b>	<b>0.0000</b>	<b>1,296.5678</b>	<b>1,296.5678</b>	<b>0.0433</b>	<b>0.0000</b>	<b>1,297.6501</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1757	1.6084	1.6854	2.7700e-003		0.0833	0.0833		0.0784	0.0784	0.0000	238.6770	238.6770	0.0572	0.0000	240.1065
<b>Total</b>	<b>0.1757</b>	<b>1.6084</b>	<b>1.6854</b>	<b>2.7700e-003</b>		<b>0.0833</b>	<b>0.0833</b>		<b>0.0784</b>	<b>0.0784</b>	<b>0.0000</b>	<b>238.6770</b>	<b>238.6770</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1065</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0614	1.9610	0.5201	5.4000e-003	0.1328	4.0000e-003	0.1368	0.0384	3.8200e-003	0.0422	0.0000	517.9257	517.9257	0.0218	0.0000	518.4697
Worker	0.2192	0.1459	1.6026	5.3300e-003	0.6045	3.7200e-003	0.6082	0.1608	3.4300e-003	0.1642	0.0000	482.2392	482.2392	0.0102	0.0000	482.4943
<b>Total</b>	<b>0.2806</b>	<b>2.1069</b>	<b>2.1227</b>	<b>0.0107</b>	<b>0.7373</b>	<b>7.7200e-003</b>	<b>0.7451</b>	<b>0.1992</b>	<b>7.2500e-003</b>	<b>0.2064</b>	<b>0.0000</b>	<b>1,000.1649</b>	<b>1,000.1649</b>	<b>0.0320</b>	<b>0.0000</b>	<b>1,000.9640</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	1.1035	1.8615	2.7700e-003		0.0105	0.0105		0.0105	0.0105	0.0000	238.6767	238.6767	0.0572	0.0000	240.1062
<b>Total</b>	<b>0.0789</b>	<b>1.1035</b>	<b>1.8615</b>	<b>2.7700e-003</b>		<b>0.0105</b>	<b>0.0105</b>		<b>0.0105</b>	<b>0.0105</b>	<b>0.0000</b>	<b>238.6767</b>	<b>238.6767</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0614	1.9610	0.5201	5.4000e-003	0.1328	4.0000e-003	0.1368	0.0384	3.8200e-003	0.0422	0.0000	517.9257	517.9257	0.0218	0.0000	518.4697
Worker	0.2192	0.1459	1.6026	5.3300e-003	0.6045	3.7200e-003	0.6082	0.1608	3.4300e-003	0.1642	0.0000	482.2392	482.2392	0.0102	0.0000	482.4943
<b>Total</b>	<b>0.2806</b>	<b>2.1069</b>	<b>2.1227</b>	<b>0.0107</b>	<b>0.7373</b>	<b>7.7200e-003</b>	<b>0.7451</b>	<b>0.1992</b>	<b>7.2500e-003</b>	<b>0.2064</b>	<b>0.0000</b>	<b>1,000.1649</b>	<b>1,000.1649</b>	<b>0.0320</b>	<b>0.0000</b>	<b>1,000.9640</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.9426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1400e-003	0.0423	0.0544	9.0000e-005		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	7.6598	7.6598	5.0000e-004	0.0000	7.6722
<b>Total</b>	<b>5.9488</b>	<b>0.0423</b>	<b>0.0544</b>	<b>9.0000e-005</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>		<b>2.4500e-003</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>7.6598</b>	<b>7.6598</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>7.6722</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5000e-003	0.0934	3.1000e-004	0.0352	2.2000e-004	0.0354	9.3700e-003	2.0000e-004	9.5600e-003	0.0000	28.0916	28.0916	5.9000e-004	0.0000	28.1065
<b>Total</b>	<b>0.0128</b>	<b>8.5000e-003</b>	<b>0.0934</b>	<b>3.1000e-004</b>	<b>0.0352</b>	<b>2.2000e-004</b>	<b>0.0354</b>	<b>9.3700e-003</b>	<b>2.0000e-004</b>	<b>9.5600e-003</b>	<b>0.0000</b>	<b>28.0916</b>	<b>28.0916</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>28.1065</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.9426					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6300e-003	0.0318	0.0550	9.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	7.6598	7.6598	5.0000e-004	0.0000	7.6722
<b>Total</b>	<b>5.9443</b>	<b>0.0318</b>	<b>0.0550</b>	<b>9.0000e-005</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>		<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>7.6598</b>	<b>7.6598</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>7.6722</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5000e-003	0.0934	3.1000e-004	0.0352	2.2000e-004	0.0354	9.3700e-003	2.0000e-004	9.5600e-003	0.0000	28.0916	28.0916	5.9000e-004	0.0000	28.1065
<b>Total</b>	<b>0.0128</b>	<b>8.5000e-003</b>	<b>0.0934</b>	<b>3.1000e-004</b>	<b>0.0352</b>	<b>2.2000e-004</b>	<b>0.0354</b>	<b>9.3700e-003</b>	<b>2.0000e-004</b>	<b>9.5600e-003</b>	<b>0.0000</b>	<b>28.0916</b>	<b>28.0916</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>28.1065</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	1.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0129</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0276</b>	<b>20.0276</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9490	0.9490	2.0000e-005	0.0000	0.9495
<b>Total</b>	<b>4.3000e-004</b>	<b>2.9000e-004</b>	<b>3.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9490</b>	<b>0.9490</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9495</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3400e-003	0.1004	0.1730	2.3000e-004		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	1.8700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.2100e-003</b>	<b>0.1004</b>	<b>0.1730</b>	<b>2.3000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>		<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>20.0275</b>	<b>20.0275</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.9000e-004	3.1500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9490	0.9490	2.0000e-005	0.0000	0.9495
<b>Total</b>	<b>4.3000e-004</b>	<b>2.9000e-004</b>	<b>3.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1900e-003</b>	<b>1.0000e-005</b>	<b>1.2000e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>0.9490</b>	<b>0.9490</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9495</b>

1410 South Bascom Ave - Tier IV Interim Mitigated Construction - Santa Clara County, Summer

**1410 South Bascom Ave - Tier IV Interim Mitigated Construction  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.022	<b>N2O Intensity (lb/MW hr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics - Construction only
- Land Use - Based on site plan and project description
- Construction Phase - Estimated construction schedule
- Demolition - Existing hardscape and structures to be demolished
- Grading - 50,000 cubic yards of material to be exported



Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Tier IV Interim mitigation for construction equipment >50 HP

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81
tblVehicleTrips	SU_TR	5.86	3.09
tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.4535	70.8492	42.7831	0.1549	18.2141	2.1983	20.4125	9.9699	2.0225	11.9924	0.0000	16,224.1658	16,224.1658	1.5208	0.0000	16,262.1866
2021	4.9088	38.7691	40.2449	0.1382	7.4060	1.0396	8.4456	1.9944	0.9774	2.9719	0.0000	13,967.5820	13,967.5820	0.9826	0.0000	13,992.1463
2022	203.2460	37.3929	43.5270	0.1496	8.6218	0.9723	9.5942	2.3170	0.9194	3.2363	0.0000	15,096.5111	15,096.5111	0.9964	0.0000	15,121.4219
<b>Maximum</b>	<b>203.2460</b>	<b>70.8492</b>	<b>43.5270</b>	<b>0.1549</b>	<b>18.2141</b>	<b>2.1983</b>	<b>20.4125</b>	<b>9.9699</b>	<b>2.0225</b>	<b>11.9924</b>	<b>0.0000</b>	<b>16,224.1658</b>	<b>16,224.1658</b>	<b>1.5208</b>	<b>0.0000</b>	<b>16,262.1866</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1654	54.7960	44.0785	0.1549	8.2777	0.2725	8.3407	4.5080	0.2647	4.5710	0.0000	16,224.1658	16,224.1658	1.5208	0.0000	16,262.1866
2021	3.8002	32.0970	41.7655	0.1382	7.4060	0.1930	7.5989	1.9944	0.1881	2.1826	0.0000	13,967.5820	13,967.5820	0.9826	0.0000	13,992.1463
2022	202.1561	32.1426	45.2551	0.1496	8.6218	0.1873	8.8092	2.3170	0.1822	2.4992	0.0000	15,096.5111	15,096.5111	0.9964	0.0000	15,121.4219
<b>Maximum</b>	<b>202.1561</b>	<b>54.7960</b>	<b>45.2551</b>	<b>0.1549</b>	<b>8.6218</b>	<b>0.2725</b>	<b>8.8092</b>	<b>4.5080</b>	<b>0.2647</b>	<b>4.5710</b>	<b>0.0000</b>	<b>16,224.1658</b>	<b>16,224.1658</b>	<b>1.5208</b>	<b>0.0000</b>	<b>16,262.1866</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.63</b>	<b>19.03</b>	<b>-3.59</b>	<b>0.00</b>	<b>29.02</b>	<b>84.50</b>	<b>35.64</b>	<b>38.24</b>	<b>83.80</b>	<b>49.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	521	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 5.75**

**Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000; Striped**

## OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

## Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1618	0.0000	6.1618	0.9330	0.0000	0.9330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>6.1618</b>	<b>1.6587</b>	<b>7.8205</b>	<b>0.9330</b>	<b>1.5419</b>	<b>2.4748</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2337	8.0900	1.6380	0.0226	0.4972	0.0266	0.5239	0.1363	0.0255	0.1618		2,409.0604	2,409.0604	0.1072		2,411.7408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.2859</b>	<b>8.1221</b>	<b>2.0506</b>	<b>0.0238</b>	<b>0.6204</b>	<b>0.0274</b>	<b>0.6478</b>	<b>0.1690</b>	<b>0.0262</b>	<b>0.1952</b>		<b>2,529.9613</b>	<b>2,529.9613</b>	<b>0.1102</b>		<b>2,532.7158</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7728	0.0000	2.7728	0.4198	0.0000	0.4198			0.0000			0.0000
Off-Road	0.5841	13.5576	24.6739	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>0.5841</b>	<b>13.5576</b>	<b>24.6739</b>	<b>0.0388</b>	<b>2.7728</b>	<b>0.0616</b>	<b>2.8345</b>	<b>0.4198</b>	<b>0.0616</b>	<b>0.4815</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2337	8.0900	1.6380	0.0226	0.4972	0.0266	0.5239	0.1363	0.0255	0.1618		2,409.0604	2,409.0604	0.1072		2,411.7408
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>0.2859</b>	<b>8.1221</b>	<b>2.0506</b>	<b>0.0238</b>	<b>0.6204</b>	<b>0.0274</b>	<b>0.6478</b>	<b>0.1690</b>	<b>0.0262</b>	<b>0.1952</b>		<b>2,529.9613</b>	<b>2,529.9613</b>	<b>0.1102</b>		<b>2,532.7158</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0384	0.4951	1.4600e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.0812	145.0812	3.5500e-003		145.1699
<b>Total</b>	<b>0.0626</b>	<b>0.0384</b>	<b>0.4951</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.0812</b>	<b>145.0812</b>	<b>3.5500e-003</b>		<b>145.1699</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
<b>Total</b>	<b>0.6967</b>	<b>12.1620</b>	<b>22.9600</b>	<b>0.0380</b>	<b>8.1298</b>	<b>0.0621</b>	<b>8.1919</b>	<b>4.4688</b>	<b>0.0621</b>	<b>4.5309</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>			<b>3,714.8975</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0626	0.0384	0.4951	1.4600e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		145.0812	145.0812	3.5500e-003			145.1699
<b>Total</b>	<b>0.0626</b>	<b>0.0384</b>	<b>0.4951</b>	<b>1.4600e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>145.0812</b>	<b>145.0812</b>	<b>3.5500e-003</b>			<b>145.1699</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.6937	0.0000	6.6937	3.3889	0.0000	3.3889			0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290			2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.6937</b>	<b>1.2734</b>	<b>7.9671</b>	<b>3.3889</b>	<b>1.1716</b>	<b>4.5604</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>			<b>2,895.7106</b>



### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2836	44.4313	8.9962	0.1240	2.7307	0.1463	2.8770	0.7484	0.1400	0.8884		13,230.7797	13,230.7797	0.5889		13,245.5011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>1.3357</b>	<b>44.4633</b>	<b>9.4088</b>	<b>0.1252</b>	<b>2.8539</b>	<b>0.1471</b>	<b>3.0010</b>	<b>0.7811</b>	<b>0.1407</b>	<b>0.9218</b>		<b>13,351.6807</b>	<b>13,351.6807</b>	<b>0.5918</b>		<b>13,366.4760</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0122	0.0000	3.0122	1.5250	0.0000	1.5250			0.0000			0.0000
Off-Road	0.5200	10.3327	18.9906	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>0.5200</b>	<b>10.3327</b>	<b>18.9906</b>	<b>0.0297</b>	<b>3.0122</b>	<b>0.0484</b>	<b>3.0606</b>	<b>1.5250</b>	<b>0.0484</b>	<b>1.5734</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2836	44.4313	8.9962	0.1240	2.7307	0.1463	2.8770	0.7484	0.1400	0.8884		13,230.7797	13,230.7797	0.5889		13,245.5011
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0320	0.4126	1.2100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		120.9010	120.9010	2.9600e-003		120.9749
<b>Total</b>	<b>1.3357</b>	<b>44.4633</b>	<b>9.4088</b>	<b>0.1252</b>	<b>2.8539</b>	<b>0.1471</b>	<b>3.0010</b>	<b>0.7811</b>	<b>0.1407</b>	<b>0.9218</b>		<b>13,351.6807</b>	<b>13,351.6807</b>	<b>0.5918</b>		<b>13,366.4760</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7615	22.0412	5.5822	0.0540	1.3269	0.1098	1.4368	0.3820	0.1050	0.4870		5,709.4581	5,709.4581	0.2505		5,715.7199
Worker	2.5722	1.5794	20.3524	0.0599	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,964.4473	5,964.4473	0.1460		5,968.0964
<b>Total</b>	<b>3.3336</b>	<b>23.6207</b>	<b>25.9346</b>	<b>0.1139</b>	<b>7.4059</b>	<b>0.1477</b>	<b>7.5536</b>	<b>1.9944</b>	<b>0.1400</b>	<b>2.1344</b>		<b>11,673.9054</b>	<b>11,673.9054</b>	<b>0.3964</b>		<b>11,683.8163</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8318	10.8224	18.1439	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>0.8318</b>	<b>10.8224</b>	<b>18.1439</b>	<b>0.0269</b>		<b>0.1248</b>	<b>0.1248</b>		<b>0.1248</b>	<b>0.1248</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.7615	22.0412	5.5822	0.0540	1.3269	0.1098	1.4368	0.3820	0.1050	0.4870		5,709.4581	5,709.4581	0.2505			5,715.7199
Worker	2.5722	1.5794	20.3524	0.0599	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,964.4473	5,964.4473	0.1460			5,968.0964
<b>Total</b>	<b>3.3336</b>	<b>23.6207</b>	<b>25.9346</b>	<b>0.1139</b>	<b>7.4059</b>	<b>0.1477</b>	<b>7.5536</b>	<b>1.9944</b>	<b>0.1400</b>	<b>2.1344</b>		<b>11,673.9054</b>	<b>11,673.9054</b>	<b>0.3964</b>			<b>11,683.8163</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160			2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>			<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6249	19.9252	5.0218	0.0535	1.3270	0.0441	1.3711	0.3820	0.0421	0.4242		5,656.9376	5,656.9376	0.2358			5,662.8314
Worker	2.3829	1.4119	18.6480	0.0578	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,757.2805	5,757.2805	0.1308			5,760.5506
<b>Total</b>	<b>3.0078</b>	<b>21.3370</b>	<b>23.6697</b>	<b>0.1113</b>	<b>7.4060</b>	<b>0.0810</b>	<b>7.4870</b>	<b>1.9944</b>	<b>0.0761</b>	<b>2.0706</b>		<b>11,414.2181</b>	<b>11,414.2181</b>	<b>0.3666</b>			<b>11,423.3820</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7923	10.7599	18.0957	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>0.7923</b>	<b>10.7599</b>	<b>18.0957</b>	<b>0.0269</b>		<b>0.1120</b>	<b>0.1120</b>		<b>0.1120</b>	<b>0.1120</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6249	19.9252	5.0218	0.0535	1.3270	0.0441	1.3711	0.3820	0.0421	0.4242		5,656.9376	5,656.9376	0.2358		5,662.8314
Worker	2.3829	1.4119	18.6480	0.0578	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,757.2805	5,757.2805	0.1308		5,760.5506
<b>Total</b>	<b>3.0078</b>	<b>21.3370</b>	<b>23.6697</b>	<b>0.1113</b>	<b>7.4060</b>	<b>0.0810</b>	<b>7.4870</b>	<b>1.9944</b>	<b>0.0761</b>	<b>2.0706</b>		<b>11,414.2181</b>	<b>11,414.2181</b>	<b>0.3666</b>		<b>11,423.3820</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5830	18.8484	4.7295	0.0530	1.3271	0.0383	1.3654	0.3821	0.0366	0.4187		5,603.2090	5,603.2090	0.2252			5,608.8388
Worker	2.2205	1.2670	17.1838	0.0557	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,547.9338	5,547.9338	0.1175			5,550.8706
<b>Total</b>	<b>2.8035</b>	<b>20.1154</b>	<b>21.9132</b>	<b>0.1086</b>	<b>7.4060</b>	<b>0.0744</b>	<b>7.4804</b>	<b>1.9945</b>	<b>0.0699</b>	<b>2.0643</b>		<b>11,151.1427</b>	<b>11,151.1427</b>	<b>0.3427</b>			<b>11,159.7094</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.7664	10.7139	18.0727	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120			2,569.6322
<b>Total</b>	<b>0.7664</b>	<b>10.7139</b>	<b>18.0727</b>	<b>0.0269</b>		<b>0.1018</b>	<b>0.1018</b>		<b>0.1018</b>	<b>0.1018</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>			<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.5830	18.8484	4.7295	0.0530	1.3271	0.0383	1.3654	0.3821	0.0366	0.4187		5,603.2090	5,603.2090	0.2252			5,608.8388
Worker	2.2205	1.2670	17.1838	0.0557	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,547.9338	5,547.9338	0.1175			5,550.8706
<b>Total</b>	<b>2.8035</b>	<b>20.1154</b>	<b>21.9132</b>	<b>0.1086</b>	<b>7.4060</b>	<b>0.0744</b>	<b>7.4804</b>	<b>1.9945</b>	<b>0.0699</b>	<b>2.0643</b>		<b>11,151.1427</b>	<b>11,151.1427</b>	<b>0.3427</b>			<b>11,159.7094</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4441	0.2534	3.4368	0.0111	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,109.5868	1,109.5868	0.0235		1,110.1741
<b>Total</b>	<b>0.4441</b>	<b>0.2534</b>	<b>3.4368</b>	<b>0.0111</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,109.5868</b>	<b>1,109.5868</b>	<b>0.0235</b>		<b>1,110.1741</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0545	1.0598	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.1421</b>	<b>1.0598</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4441	0.2534	3.4368	0.0111	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,109.5868	1,109.5868	0.0235			1,110.1741
<b>Total</b>	<b>0.4441</b>	<b>0.2534</b>	<b>3.4368</b>	<b>0.0111</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,109.5868</b>	<b>1,109.5868</b>	<b>0.0235</b>			<b>1,110.1741</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140			2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>			<b>2,225.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0450	0.0257	0.3483	1.1300e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		112.4581	112.4581	2.3800e-003			112.5177
<b>Total</b>	<b>0.0450</b>	<b>0.0257</b>	<b>0.3483</b>	<b>1.1300e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>112.4581</b>	<b>112.4581</b>	<b>2.3800e-003</b>			<b>112.5177</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5214</b>	<b>10.0395</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0450	0.0257	0.3483	1.1300e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		112.4581	112.4581	2.3800e-003		112.5177
<b>Total</b>	<b>0.0450</b>	<b>0.0257</b>	<b>0.3483</b>	<b>1.1300e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>112.4581</b>	<b>112.4581</b>	<b>2.3800e-003</b>		<b>112.5177</b>



1410 South Bascom Ave - Tier IV Interim Mitigated Construction - Santa Clara County, Winter

**1410 South Bascom Ave - Tier IV Interim Mitigated Construction  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	300.00	1000sqft	0.00	300,000.00	0
Enclosed Parking Structure	700.00	Space	1.50	199,000.00	0
Enclosed Parking with Elevator	660.00	Space	1.40	182,000.00	0
Other Asphalt Surfaces	1.43	Acre	1.43	62,290.80	0
Other Non-Asphalt Surfaces	62.02	1000sqft	1.42	62,024.00	0
Apartments Mid Rise	600.00	Dwelling Unit	0.00	607,000.00	1920

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4			<b>Operational Year</b>	2022
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<b>CH4 Intensity (lb/MWhr)</b>	0.022	<b>N2O Intensity (lb/MWhr)</b>	0.005

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Construction only

Land Use - Based on site plan and project description

Construction Phase - Estimated construction schedule

Demolition - Existing hardscape and structures to be demolished

Grading - 50,000 cubic yards of material to be exported

Vehicle Trips - Trip generation rates based on the project-specific transportation analysis prepared by Hexagon Transportation, Inc. and the ITE Trip Generation Manual, 10th Ed

Woodstoves - No woodburning fireplaces or woodstoves

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices threshold for fugitive dust; recommended measures from BAAQMD's Basic Construction Mitigation Measures Recommended for All Proposed Projects.

Tier IV Interim mitigation for construction equipment >50 HP

Water Mitigation - Compliance with the Green Building Code Standards and the Water Efficient Land Use Ordinance

Waste Mitigation - 75 percent statewide diversion/recycling mandate

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	10.00	40.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	230.00	521.00
tblConstructionPhase	NumDays	20.00	60.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberWood	102.00	0.00
tblGrading	MaterialExported	0.00	50,000.00
tblLandUse	LandUseSquareFeet	280,000.00	199,000.00
tblLandUse	LandUseSquareFeet	264,000.00	182,000.00
tblLandUse	LandUseSquareFeet	62,020.00	62,024.00
tblLandUse	LandUseSquareFeet	600,000.00	607,000.00
tblLandUse	LotAcreage	6.89	0.00
tblLandUse	LotAcreage	6.30	1.50
tblLandUse	LotAcreage	5.94	1.40
tblLandUse	LotAcreage	15.79	0.00
tblLandUse	Population	1,716.00	1,920.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblVehicleTrips	ST_TR	6.39	3.69
tblVehicleTrips	ST_TR	2.46	1.81
tblVehicleTrips	SU_TR	5.86	3.09
tblVehicleTrips	SU_TR	1.05	0.58
tblVehicleTrips	WD_TR	6.65	4.01
tblVehicleTrips	WD_TR	11.03	7.99
tblWoodstoves	WoodstoveWoodMass	582.40	0.00

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.6571	71.9403	42.0669	0.1527	18.2141	2.1983	20.4125	9.9699	2.0225	11.9924	0.0000	15,990.0686	15,990.0686	1.5484	0.0000	16,028.7778
2021	5.1021	39.2591	39.5408	0.1321	7.4060	1.0410	8.4470	1.9944	0.9788	2.9732	0.0000	13,355.5492	13,355.5492	0.9915	0.0000	13,380.3371
2022	203.4638	37.8766	42.5531	0.1429	8.6218	0.9736	9.5955	2.3170	0.9206	3.2376	0.0000	14,412.0332	14,412.0332	1.0033	0.0000	14,437.1149
<b>Maximum</b>	<b>203.4638</b>	<b>71.9403</b>	<b>42.5531</b>	<b>0.1527</b>	<b>18.2141</b>	<b>2.1983</b>	<b>20.4125</b>	<b>9.9699</b>	<b>2.0225</b>	<b>11.9924</b>	<b>0.0000</b>	<b>15,990.0686</b>	<b>15,990.0686</b>	<b>1.5484</b>	<b>0.0000</b>	<b>16,028.7778</b>

#### Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.3691	55.8872	43.3624	0.1527	8.2777	0.2742	8.3407	4.5080	0.2664	4.5710	0.0000	15,990.0686	15,990.0686	1.5484	0.0000	16,028.7778
2021	3.9935	32.5869	41.0614	0.1321	7.4060	0.1944	7.6004	1.9944	0.1895	2.1839	0.0000	13,355.5492	13,355.5492	0.9915	0.0000	13,380.3371
2022	202.3739	32.6263	44.2812	0.1429	8.6218	0.1886	8.8105	2.3170	0.1835	2.5004	0.0000	14,412.0332	14,412.0332	1.0033	0.0000	14,437.1149
<b>Maximum</b>	<b>202.3739</b>	<b>55.8872</b>	<b>44.2812</b>	<b>0.1527</b>	<b>8.6218</b>	<b>0.2742</b>	<b>8.8105</b>	<b>4.5080</b>	<b>0.2664</b>	<b>4.5710</b>	<b>0.0000</b>	<b>15,990.0686</b>	<b>15,990.0686</b>	<b>1.5484</b>	<b>0.0000</b>	<b>16,028.7778</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>1.63</b>	<b>18.77</b>	<b>-3.66</b>	<b>0.00</b>	<b>29.02</b>	<b>84.40</b>	<b>35.64</b>	<b>38.24</b>	<b>83.70</b>	<b>49.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/26/2020	5	20	20 working days
2	Site Preparation	Site Preparation	6/27/2020	8/21/2020	5	40	40 working days
3	Grading	Grading	8/22/2020	10/16/2020	5	40	40 working days
4	Building Construction	Building Construction	10/17/2020	10/17/2022	5	521	2 years
5	Architectural Coating	Architectural Coating	7/26/2022	10/17/2022	5	60	60 working days
6	Paving	Paving	10/18/2022	11/14/2022	5	20	20 working days

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 5.75**

**Residential Indoor: 1,229,175; Residential Outdoor: 409,725; Non-Residential Indoor: 450,000; Non-Residential Outdoor: 150,000; Striped**

### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	569.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,250.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	740.00	196.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	148.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

### 3.2 Demolition - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1618	0.0000	6.1618	0.9330	0.0000	0.9330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>6.1618</b>	<b>1.6587</b>	<b>7.8205</b>	<b>0.9330</b>	<b>1.5419</b>	<b>2.4748</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2402	8.2874	1.7627	0.0222	0.4972	0.0271	0.5243	0.1363	0.0259	0.1622		2,368.2260	2,368.2260	0.1123		2,371.0327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>0.2956</b>	<b>8.3265</b>	<b>2.1450</b>	<b>0.0233</b>	<b>0.6204</b>	<b>0.0278</b>	<b>0.6483</b>	<b>0.1690</b>	<b>0.0266</b>	<b>0.1956</b>		<b>2,479.2959</b>	<b>2,479.2959</b>	<b>0.1150</b>		<b>2,482.1715</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7728	0.0000	2.7728	0.4198	0.0000	0.4198			0.0000			0.0000
Off-Road	0.5841	13.5576	24.6739	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>0.5841</b>	<b>13.5576</b>	<b>24.6739</b>	<b>0.0388</b>	<b>2.7728</b>	<b>0.0616</b>	<b>2.8345</b>	<b>0.4198</b>	<b>0.0616</b>	<b>0.4815</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2402	8.2874	1.7627	0.0222	0.4972	0.0271	0.5243	0.1363	0.0259	0.1622		2,368.2260	2,368.2260	0.1123		2,371.0327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>0.2956</b>	<b>8.3265</b>	<b>2.1450</b>	<b>0.0233</b>	<b>0.6204</b>	<b>0.0278</b>	<b>0.6483</b>	<b>0.1690</b>	<b>0.0266</b>	<b>0.1956</b>		<b>2,479.2959</b>	<b>2,479.2959</b>	<b>0.1150</b>		<b>2,482.1715</b>

### 3.3 Site Preparation - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
<b>Total</b>	<b>4.0765</b>	<b>42.4173</b>	<b>21.5136</b>	<b>0.0380</b>	<b>18.0663</b>	<b>2.1974</b>	<b>20.2637</b>	<b>9.9307</b>	<b>2.0216</b>	<b>11.9523</b>		<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>		<b>3,714.8975</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0469	0.4587	1.3400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		133.2839	133.2839	3.3000e-003		133.3665
<b>Total</b>	<b>0.0666</b>	<b>0.0469</b>	<b>0.4587</b>	<b>1.3400e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>133.2839</b>	<b>133.2839</b>	<b>3.3000e-003</b>		<b>133.3665</b>



**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000				0.0000
Off-Road	0.6967	12.1620	22.9600	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918			3,714.8975
<b>Total</b>	<b>0.6967</b>	<b>12.1620</b>	<b>22.9600</b>	<b>0.0380</b>	<b>8.1298</b>	<b>0.0621</b>	<b>8.1919</b>	<b>4.4688</b>	<b>0.0621</b>	<b>4.5309</b>	<b>0.0000</b>	<b>3,685.1016</b>	<b>3,685.1016</b>	<b>1.1918</b>			<b>3,714.8975</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0666	0.0469	0.4587	1.3400e-003	0.1479	9.2000e-004	0.1488	0.0392	8.5000e-004	0.0401		133.2839	133.2839	3.3000e-003			133.3665
<b>Total</b>	<b>0.0666</b>	<b>0.0469</b>	<b>0.4587</b>	<b>1.3400e-003</b>	<b>0.1479</b>	<b>9.2000e-004</b>	<b>0.1488</b>	<b>0.0392</b>	<b>8.5000e-004</b>	<b>0.0401</b>		<b>133.2839</b>	<b>133.2839</b>	<b>3.3000e-003</b>			<b>133.3665</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.6937	0.0000	6.6937	3.3889	0.0000	3.3889			0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290			2,895.7106
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.6937</b>	<b>1.2734</b>	<b>7.9671</b>	<b>3.3889</b>	<b>1.1716</b>	<b>4.5604</b>		<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>			<b>2,895.7106</b>

### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3190	45.5153	9.6810	0.1219	2.7307	0.1487	2.8794	0.7484	0.1423	0.8907		13,006.5135	13,006.5135	0.6166		13,021.9284
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>1.3744</b>	<b>45.5545</b>	<b>10.0632</b>	<b>0.1230</b>	<b>2.8539</b>	<b>0.1495</b>	<b>3.0034</b>	<b>0.7811</b>	<b>0.1430</b>	<b>0.9241</b>		<b>13,117.5835</b>	<b>13,117.5835</b>	<b>0.6194</b>		<b>13,133.0672</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0122	0.0000	3.0122	1.5250	0.0000	1.5250			0.0000			0.0000
Off-Road	0.5200	10.3327	18.9906	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
<b>Total</b>	<b>0.5200</b>	<b>10.3327</b>	<b>18.9906</b>	<b>0.0297</b>	<b>3.0122</b>	<b>0.0484</b>	<b>3.0606</b>	<b>1.5250</b>	<b>0.0484</b>	<b>1.5734</b>	<b>0.0000</b>	<b>2,872.4851</b>	<b>2,872.4851</b>	<b>0.9290</b>		<b>2,895.7106</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.3190	45.5153	9.6810	0.1219	2.7307	0.1487	2.8794	0.7484	0.1423	0.8907		13,006.5135	13,006.5135	0.6166		13,021.9284
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0555	0.0391	0.3823	1.1100e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		111.0699	111.0699	2.7500e-003		111.1388
<b>Total</b>	<b>1.3744</b>	<b>45.5545</b>	<b>10.0632</b>	<b>0.1230</b>	<b>2.8539</b>	<b>0.1495</b>	<b>3.0034</b>	<b>0.7811</b>	<b>0.1430</b>	<b>0.9241</b>		<b>13,117.5835</b>	<b>13,117.5835</b>	<b>0.6194</b>		<b>13,133.0672</b>

### 3.5 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8014	22.2957	6.3599	0.0527	1.3269	0.1115	1.4385	0.3820	0.1067	0.4887		5,564.5203	5,564.5203	0.2698		5,571.2641
Worker	2.7360	1.9294	18.8585	0.0550	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,479.4497	5,479.4497	0.1358		5,482.8456
<b>Total</b>	<b>3.5373</b>	<b>24.2251</b>	<b>25.2184</b>	<b>0.1077</b>	<b>7.4059</b>	<b>0.1495</b>	<b>7.5553</b>	<b>1.9944</b>	<b>0.1416</b>	<b>2.1360</b>		<b>11,043.9699</b>	<b>11,043.9699</b>	<b>0.4056</b>		<b>11,054.1097</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8318	10.8224	18.1439	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>0.8318</b>	<b>10.8224</b>	<b>18.1439</b>	<b>0.0269</b>		<b>0.1248</b>	<b>0.1248</b>		<b>0.1248</b>	<b>0.1248</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.8014	22.2957	6.3599	0.0527	1.3269	0.1115	1.4385	0.3820	0.1067	0.4887		5,564.5203	5,564.5203	0.2698			5,571.2641
Worker	2.7360	1.9294	18.8585	0.0550	6.0789	0.0379	6.1169	1.6124	0.0349	1.6473		5,479.4497	5,479.4497	0.1358			5,482.8456
<b>Total</b>	<b>3.5373</b>	<b>24.2251</b>	<b>25.2184</b>	<b>0.1077</b>	<b>7.4059</b>	<b>0.1495</b>	<b>7.5553</b>	<b>1.9944</b>	<b>0.1416</b>	<b>2.1360</b>		<b>11,043.9699</b>	<b>11,043.9699</b>	<b>0.4056</b>			<b>11,054.1097</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160			2,568.7643
<b>Total</b>	<b>1.9009</b>	<b>17.4321</b>	<b>16.5752</b>	<b>0.0269</b>		<b>0.9586</b>	<b>0.9586</b>		<b>0.9013</b>	<b>0.9013</b>		<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>			<b>2,568.7643</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6621	20.1028	5.7499	0.0522	1.3270	0.0455	1.3725	0.3820	0.0435	0.4255		5,512.9011	5,512.9011	0.2541			5,519.2529
Worker	2.5391	1.7242	17.2157	0.0531	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,289.2842	5,289.2842	0.1214			5,292.3199
<b>Total</b>	<b>3.2012</b>	<b>21.8270</b>	<b>22.9656</b>	<b>0.1052</b>	<b>7.4060</b>	<b>0.0824</b>	<b>7.4884</b>	<b>1.9944</b>	<b>0.0775</b>	<b>2.0720</b>		<b>10,802.1853</b>	<b>10,802.1853</b>	<b>0.3755</b>			<b>10,811.5728</b>

### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7923	10.7599	18.0957	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
<b>Total</b>	<b>0.7923</b>	<b>10.7599</b>	<b>18.0957</b>	<b>0.0269</b>		<b>0.1120</b>	<b>0.1120</b>		<b>0.1120</b>	<b>0.1120</b>	<b>0.0000</b>	<b>2,553.3639</b>	<b>2,553.3639</b>	<b>0.6160</b>		<b>2,568.7643</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6621	20.1028	5.7499	0.0522	1.3270	0.0455	1.3725	0.3820	0.0435	0.4255		5,512.9011	5,512.9011	0.2541		5,519.2529
Worker	2.5391	1.7242	17.2157	0.0531	6.0789	0.0369	6.1159	1.6124	0.0340	1.6464		5,289.2842	5,289.2842	0.1214		5,292.3199
<b>Total</b>	<b>3.2012</b>	<b>21.8270</b>	<b>22.9656</b>	<b>0.1052</b>	<b>7.4060</b>	<b>0.0824</b>	<b>7.4884</b>	<b>1.9944</b>	<b>0.0775</b>	<b>2.0720</b>		<b>10,802.1853</b>	<b>10,802.1853</b>	<b>0.3755</b>		<b>10,811.5728</b>

### 3.5 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6177	18.9965	5.4158	0.0516	1.3271	0.0396	1.3667	0.3821	0.0378	0.4199		5,459.6190	5,459.6190	0.2425			5,465.6819
Worker	2.3730	1.5467	15.8003	0.0511	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,097.1937	5,097.1937	0.1087			5,099.9122
<b>Total</b>	<b>2.9908</b>	<b>20.5432</b>	<b>21.2160</b>	<b>0.1027</b>	<b>7.4060</b>	<b>0.0757</b>	<b>7.4817</b>	<b>1.9945</b>	<b>0.0711</b>	<b>2.0656</b>		<b>10,556.8128</b>	<b>10,556.8128</b>	<b>0.3513</b>			<b>10,565.5941</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.7664	10.7139	18.0727	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120			2,569.6322
<b>Total</b>	<b>0.7664</b>	<b>10.7139</b>	<b>18.0727</b>	<b>0.0269</b>		<b>0.1018</b>	<b>0.1018</b>		<b>0.1018</b>	<b>0.1018</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>			<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.6177	18.9965	5.4158	0.0516	1.3271	0.0396	1.3667	0.3821	0.0378	0.4199		5,459.6190	5,459.6190	0.2425			5,465.6819
Worker	2.3730	1.5467	15.8003	0.0511	6.0789	0.0361	6.1150	1.6124	0.0333	1.6457		5,097.1937	5,097.1937	0.1087			5,099.9122
<b>Total</b>	<b>2.9908</b>	<b>20.5432</b>	<b>21.2160</b>	<b>0.1027</b>	<b>7.4060</b>	<b>0.0757</b>	<b>7.4817</b>	<b>1.9945</b>	<b>0.0711</b>	<b>2.0656</b>		<b>10,556.8128</b>	<b>10,556.8128</b>	<b>0.3513</b>			<b>10,565.5941</b>

### 3.6 Architectural Coating - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.2922</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4746	0.3093	3.1601	0.0102	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,019.4388	1,019.4388	0.0218		1,019.9824
<b>Total</b>	<b>0.4746</b>	<b>0.3093</b>	<b>3.1601</b>	<b>0.0102</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,019.4388</b>	<b>1,019.4388</b>	<b>0.0218</b>		<b>1,019.9824</b>

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	198.0876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0545	1.0598	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>198.1421</b>	<b>1.0598</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

### Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.4746	0.3093	3.1601	0.0102	1.2158	7.2200e-003	1.2230	0.3225	6.6500e-003	0.3291		1,019.4388	1,019.4388	0.0218			1,019.9824
<b>Total</b>	<b>0.4746</b>	<b>0.3093</b>	<b>3.1601</b>	<b>0.0102</b>	<b>1.2158</b>	<b>7.2200e-003</b>	<b>1.2230</b>	<b>0.3225</b>	<b>6.6500e-003</b>	<b>0.3291</b>		<b>1,019.4388</b>	<b>1,019.4388</b>	<b>0.0218</b>			<b>1,019.9824</b>

### 3.7 Paving - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140			2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
<b>Total</b>	<b>1.2902</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>			<b>2,225.5104</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0481	0.0314	0.3203	1.0400e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		103.3215	103.3215	2.2000e-003			103.3766
<b>Total</b>	<b>0.0481</b>	<b>0.0314</b>	<b>0.3203</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>103.3215</b>	<b>103.3215</b>	<b>2.2000e-003</b>			<b>103.3766</b>



**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3341	10.0395	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1873					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5214</b>	<b>10.0395</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,207.6603</b>	<b>2,207.6603</b>	<b>0.7140</b>		<b>2,225.5104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0481	0.0314	0.3203	1.0400e-003	0.1232	7.3000e-004	0.1240	0.0327	6.7000e-004	0.0334		103.3215	103.3215	2.2000e-003		103.3766
<b>Total</b>	<b>0.0481</b>	<b>0.0314</b>	<b>0.3203</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>7.3000e-004</b>	<b>0.1240</b>	<b>0.0327</b>	<b>6.7000e-004</b>	<b>0.0334</b>		<b>103.3215</b>	<b>103.3215</b>	<b>2.2000e-003</b>		<b>103.3766</b>

### ***Estimation of Cancer Risks***

The BAAQMD has developed a set of guidelines for estimating cancer risks that provide adjustment factors that emphasize the increased sensitivities and susceptibility of young children to exposures to TACs (BAAQMD 2016). These adjustment factors include age-sensitivity weighting factors, age-specific daily breathing rates, and age-specific time-at-home factors. The recommended method for the estimation of cancer risk is shown in the equations below with the cancer risk adjustment factors provided in Table 1 for several types of sensitive/residential receptors (infant, child, and adult).

$$\text{Cancer Risk} = C_{\text{DPM}} \times \text{Inhalation Exposure Factor} \quad (\text{EQ-1})$$

Where:

Cancer Risk = Total individual excess cancer risk defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular source for specified exposure durations; this risk is defined as an excess risk because it is above and beyond the background cancer risk to the population; cancer risk is expressed in terms of risk per million exposed individuals.

$C_{\text{DPM}}$  = Period average DPM air concentration calculated from the air dispersion model in  $\mu\text{g}/\text{m}^3$

Inhalation is the most important exposure pathway to impact human health from DPM and the inhalation exposure factor is defined as follows:

$$\text{Inhalation Exposure Factor} = \text{CPF} \times \text{EF} \times \text{ED} \times \text{DBR} \times \text{AAF}/\text{AT} \quad (\text{EQ-2})$$

Where:

CPF = Inhalation cancer potency factor for the TAC: 1.1 (mg/kg-day)<sup>-1</sup> for DPM

EF = Exposure frequency (days/year)

ED = Exposure duration (years of construction)

AAF = set of age-specific adjustment factors that include age sensitivity factors (ASF), daily breathing rates (DBR), and time at home factors (TAH)—see Table 1.

AT = Averaging time period over which exposure is averaged (days)

The recommended values for the various cancer risk parameters, shown in EQ-2, above, are provided in Table 1.

**Table 1: Exposure Assumptions for Cancer Risk**

Receptor Type	Exposure Frequency		Exposure Duration (years)	Age Sensitivity Factors (ASF)	Time at Home Factor (TAH) (percent)	Daily Breathing Rate (DBR) <sup>(1)</sup> (L/kg-day)
	Hours/day	Days/year				
<b>Sensitive/Residential—Infant</b>						
3 <sup>rd</sup> Trimester	24	350	0.25	10	85	361
0 to 1 year	24	350	1	10	85	1,090
1 to 2 years	24	350	1	10	85	1,090
2 to 3 years	24	350	0.21	3	72	572
<b>Sensitive Receptor—Child</b>						
3 to 16 years	24	350	2.46	3	72	572
<b>Sensitive Receptor—Adult</b>						
> 16 years	24	350	2.46	1	73	261
<p>Notes:</p> <p><sup>(1)</sup> The daily breathing rates recommended by the BAAQMD for sensitive/residential receptors assume the 95<sup>th</sup> percentile breathing rates for all individuals less than 2 years of age and 80<sup>th</sup> percentile breathing rates for all older individuals.</p> <p>(L/kg-day) = liters per kilogram body weight per day</p> <p>Source: BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines. Website: <a href="http://www.baaqmd.gov/~media/files/planning-and-research/rules-and-regs/workshops/2016/reg-2-5/hra-guidelines_clean_jan_2016-pdf.pdf?la=en">http://www.baaqmd.gov/~media/files/planning-and-research/rules-and-regs/workshops/2016/reg-2-5/hra-guidelines_clean_jan_2016-pdf.pdf?la=en</a>. Accessed August 1, 2018.</p>						

1410 South Bascom Avenue Project

Unmitigated

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2020  
 8 hours/day  
 5 days/week  
 30.8 weeks/year  
 1232 hours/year  
 154 working days starting 6/1/2020

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2020	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions (tons/year)	Exhaust Emissions (g/sec)	Emissions (g/m2-sec)
	Demolition	1.540E-02	3.153E-03	1.084E-07
	Site Preparation	4.040E-02	8.271E-03	2.842E-07
	Grading	2.340E-02	4.791E-03	1.646E-07
	Building Construction (2020)	2.840E-02	5.814E-03	1.998E-07
<b>Total</b>		<b>1.076E-01</b>	<b>2.203E-02</b>	<b>7.571E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2020	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)
	Demolition	2.600E-04	0.000E+00	1.000E-05
	Site Preparation	0.000E+00	0.000E+00	2.000E-05
	Grading	2.820E-03	0.000E+00	1.000E-05
	Building Construction (2020)	0.000E+00	2.850E-03	9.400E-04
<b>Total (tons/year)</b>		<b>3.080E-03</b>	<b>2.850E-03</b>	<b>9.800E-04</b>
				<b>6.910E-03</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
Project Site> Bascom>Hamilton>CA-17 N (mi)		0.75	0.75	0.75
Project Site>Southway Express>I-280 (mi)		0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
Project> Bascom>Hamilton>CA-17 N (tons/year)		5.787E-05	1.467E-04	3.410E-05
Project>Southway Express>I-280 (tons/year)		5.769E-05	1.463E-04	3.399E-05
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>1.156E-04</b>	<b>2.930E-04</b>	<b>6.809E-05</b>

<b>Offsite Emissions Along Roadway Segments Analyzed</b>	
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year)	2.387E-04
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec)	4.886E-05
Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year)	2.379E-04
Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec)	4.871E-05
Total Offsite Project Exhaust Emissions (tons/year)	4.766E-04
Total Offsite Project Exhaust Emissions (grams/sec)	9.758E-05
Onsite Exhaust Emissions (tons/year)	1.076E-01
Total Onsite Emissions (tons/year)	1.076E-01
Onsite Exhaust Emissions (g/m2-sec)	7.571E-07
<b>Total PM@2.5 Exhaust (tons/year)</b>	<b>1.081E-01</b>

1410 South Bascom Avenue Project

Unmitigated

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2021  
 8 hours/day  
 5 days/week  
 52.2 weeks/year 261 working days in 2021  
 2088 hours/year

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2021	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions	Exhaust Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Building Construction (2021)	1.176E-01	1.421E-02	4.882E-07
<b>Total</b>		<b>1.176E-01</b>	<b>1.421E-02</b>	<b>4.882E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2021	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(tons/year)	(tons/year)
	Building Construction (2021)	0.000E+00	5.570E-03	4.440E-03
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>5.570E-03</b>	<b>4.440E-03</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
Project Site> Bascom>Hamilton>CA-17 N (mi)		0.75	0.75	0.75
Project Site>Southway Express>I-280 (mi)		0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
Project> Bascom>Hamilton>CA-17 N (tons/year)		0.000E+00	2.867E-04	1.545E-04
Project>Southway Express>I-280 (tons/year)		0.000E+00	2.859E-04	1.540E-04
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>0.000E+00</b>	<b>5.726E-04</b>	<b>3.085E-04</b>

<b>Offsite Emissions Along Roadway Segment Analyzed</b>	
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year)	4.412E-04
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec)	5.330E-05
Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year)	4.399E-04
Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec)	5.313E-05
<b>Total Offsite Project Exhaust Emissions (tons/year)</b>	<b>8.811E-04</b>
<b>Total Offsite Project Exhaust Emissions (grams/sec)</b>	<b>1.064E-04</b>
Onsite Exhaust Emissions (tons/year)	1.176E-01
<b>Total Onsite Emissions (tons/year)</b>	<b>1.176E-01</b>
Onsite Exhaust Emissions (g/m2-sec)	4.882E-07
<b>Total PM@2.5 Exhaust (tons/year)</b>	<b>1.185E-01</b>

1410 South Bascom Avenue Project

Unmitigated

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2022  
 8 hours/day  
 5 days/week  
 45.2 weeks/year 226 working days ending 11/14/2022  
 1808 hours/year

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2022	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions	Exhaust Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Building Construction (2022)	7.840E-02	1.094E-02	3.759E-07
	Architectural Coating	2.450E-03	3.418E-04	1.175E-08
	Paving	5.220E-03	7.282E-04	2.503E-08
<b>Total</b>		<b>8.607E-02</b>	<b>1.201E-02</b>	<b>4.126E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2022	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(tons/year)	(tons/year)
	Building Construction (2022)	0.000E+00	3.820E-03	3.430E-03
	Architectural Coating	0.000E+00	0.000E+00	2.000E-04
	Paving	0.000E+00	0.000E+00	1.000E-05
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>3.820E-03</b>	<b>3.640E-03</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
Project Site> Bascom>Hamilton>CA-17 N (mi)		0.75	0.75	0.75
Project Site>Southway Express>I-280 (mi)		0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
Project> Bascom>Hamilton>CA-17 N (tons/year)		0.000E+00	1.966E-04	1.267E-04
Project>Southway Express>I-280 (tons/year)		0.000E+00	1.960E-04	1.263E-04
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>0.000E+00</b>	<b>3.927E-04</b>	<b>2.529E-04</b>

Offsite Emissions Along Roadway Segment Analyzed		
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year)	3.233E-04	(tons/year)
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec)	4.510E-05	(grams/sec)
Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year)	3.223E-04	(tons/year)
Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec)	4.496E-05	(grams/sec)
<b>Total Offsite Project Exhaust Emissions (tons/year)</b>	<b>6.456E-04</b>	
<b>Total Offsite Project Exhaust Emissions (grams/sec)</b>	<b>9.006E-05</b>	

Onsite Exhaust Emissions (tons/year)	8.607E-02
Total Onsite Emissions (tons/year)	8.607E-02
Onsite Exhaust Emissions (g/m2-sec)	4.126E-07

<b>Total PM@2.5 Exhaust (tons/year)</b>	<b>8.672E-02</b>
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# 1410 South Bascom Avenue Project

2020

No Mitigation

At Sensitive Receptors

## Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec):	7.57053E-07
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec):	4.88639E-05
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec):	4.87144E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00252	0.05879	2.87271E-06	0.03891	1.89548E-06	0.00252
593960.92	4129158.33	3639.06634	0.00275	0.05999	2.93134E-06	0.04232	2.06160E-06	0.00276
594008.73	4129158.33	3982.44153	0.00301	0.06107	2.98412E-06	0.04616	2.24866E-06	0.00302
594056.54	4129158.33	4355.83729	0.00330	0.06204	3.03152E-06	0.05049	2.45959E-06	0.00330
594104.35	4129158.33	4754.1984	0.00360	0.06287	3.07207E-06	0.05540	2.69878E-06	0.00360
594152.16	4129158.33	5171.19628	0.00391	0.06352	3.10383E-06	0.06096	2.96963E-06	0.00392
594199.97	4129158.33	5594.53203	0.00424	0.06388	3.12142E-06	0.06725	3.27605E-06	0.00424
594247.78	4129158.33	6004.09246	0.00455	0.06386	3.12045E-06	0.07437	3.62289E-06	0.00455
594295.59	4129158.33	6373.51698	0.00483	0.06345	3.10041E-06	0.08239	4.01358E-06	0.00483
594343.4	4129158.33	6674.07426	0.00505	0.06275	3.06621E-06	0.09131	4.44812E-06	0.00506
594391.21	4129158.33	6873.62872	0.00520	0.06185	3.02223E-06	0.10136	4.93770E-06	0.00521
594439.02	4129158.33	6951.56549	0.00526	0.06065	2.96359E-06	0.11262	5.48622E-06	0.00527
594486.83	4129158.33	6904.49051	0.00523	0.05898	2.88199E-06	0.12517	6.09759E-06	0.00524
594534.64	4129158.33	6727.25386	0.00509	0.05686	2.77840E-06	0.13927	6.78446E-06	0.00510
594582.45	4129158.33	6415.33047	0.00486	0.05494	2.68458E-06	0.15543	7.57169E-06	0.00487
594630.26	4129158.33	6008.16583	0.00455	0.05443	2.65966E-06	0.17405	8.47875E-06	0.00456
593913.11	4129192.59	3270.19406	0.00248	0.05557	2.71537E-06	0.03989	1.94322E-06	0.00248
593960.92	4129192.59	3555.71462	0.00269	0.05649	2.76032E-06	0.04330	2.10934E-06	0.00270
594008.73	4129192.59	3863.7514	0.00293	0.05727	2.79843E-06	0.04710	2.29445E-06	0.00293
594056.54	4129192.59	4191.06421	0.00317	0.05791	2.82971E-06	0.05139	2.50344E-06	0.00318
594104.35	4129192.59	4533.29631	0.00343	0.05844	2.85561E-06	0.05623	2.73921E-06	0.00344
594152.16	4129192.59	4880.00864	0.00369	0.05879	2.87271E-06	0.06166	3.00373E-06	0.00370
594199.97	4129192.59	5217.3588	0.00395	0.05890	2.87808E-06	0.06775	3.30040E-06	0.00396
594247.78	4129192.59	5526.09506	0.00418	0.05871	2.86808E-06	0.07458	3.63312E-06	0.00419
594295.59	4129192.59	5783.66201	0.00438	0.05823	2.84534E-06	0.08220	4.00433E-06	0.00439
594343.4	4129192.59	5967.64393	0.00452	0.05754	2.81163E-06	0.09067	4.41694E-06	0.00453
594391.21	4129192.59	6063.44808	0.00459	0.05668	2.76960E-06	0.10005	4.87388E-06	0.00460
594439.02	4129192.59	6063.30313	0.00459	0.05553	2.71341E-06	0.11042	5.37905E-06	0.00460
594486.83	4129192.59	5968.23517	0.00452	0.05391	2.63425E-06	0.12199	5.94268E-06	0.00453
594534.64	4129192.59	5779.52334	0.00438	0.05194	2.53799E-06	0.13496	6.57450E-06	0.00438
594582.45	4129192.59	5495.75797	0.00416	0.05029	2.45736E-06	0.14963	7.28914E-06	0.00417
594630.26	4129192.59	5152.86778	0.00390	0.04996	2.44124E-06	0.16629	8.10072E-06	0.00391
593913.11	4129226.85	3196.35742	0.00242	0.05249	2.56487E-06	0.04073	1.98414E-06	0.00242
593960.92	4129226.85	3454.53449	0.00262	0.05317	2.59809E-06	0.04413	2.14977E-06	0.00262
594008.73	4129226.85	3726.98995	0.00282	0.05368	2.62301E-06	0.04787	2.33196E-06	0.00283
594056.54	4129226.85	4010.32013	0.00304	0.05400	2.63865E-06	0.05210	2.53802E-06	0.00304
594104.35	4129226.85	4298.33572	0.00325	0.05428	2.65233E-06	0.05684	2.76893E-06	0.00326
594152.16	4129226.85	4579.67319	0.00347	0.05442	2.65917E-06	0.06212	3.02614E-06	0.00347
594199.97	4129226.85	4840.4703	0.00366	0.05437	2.65673E-06	0.06800	3.31258E-06	0.00367
594247.78	4129226.85	5063.63373	0.00383	0.05409	2.64305E-06	0.07452	3.63020E-06	0.00384
594295.59	4129226.85	5231.96273	0.00396	0.05360	2.61910E-06	0.08174	3.98192E-06	0.00397
594343.4	4129226.85	5331.45972	0.00404	0.05294	2.58685E-06	0.08970	4.36969E-06	0.00404
594391.21	4129226.85	5357.84087	0.00406	0.05221	2.55118E-06	0.09845	4.79594E-06	0.00406
594439.02	4129226.85	5312.73141	0.00402	0.05109	2.49646E-06	0.10809	5.26554E-06	0.00403
594486.83	4129226.85	5198.54687	0.00394	0.04952	2.41974E-06	0.11878	5.78630E-06	0.00394
594534.64	4129226.85	5014.19751	0.00380	0.04770	2.33081E-06	0.13071	6.36746E-06	0.00380
594582.45	4129226.85	4758.88666	0.00360	0.04628	2.26142E-06	0.14412	7.02073E-06	0.00361
594630.26	4129226.85	4464.94665	0.00338	0.04609	2.25214E-06	0.15928	7.75924E-06	0.00339
593913.11	4129261.11	3108.59307	0.00235	0.04951	2.41925E-06	0.04137	2.01532E-06	0.00236
593960.92	4129261.11	3338.75679	0.00253	0.04996	2.44124E-06	0.04475	2.17997E-06	0.00253
594008.73	4129261.11	3577.63236	0.00271	0.05028	2.45688E-06	0.04849	2.36216E-06	0.00271
594056.54	4129261.11	3819.32836	0.00289	0.05044	2.46469E-06	0.05264	2.56433E-06	0.00290
594104.35	4129261.11	4055.99067	0.00307	0.05053	2.46909E-06	0.05726	2.78939E-06	0.00308
594152.16	4129261.11	4278.26507	0.00324	0.05051	2.46811E-06	0.06237	3.03832E-06	0.00324
594199.97	4129261.11	4472.72286	0.00339	0.05036	2.46079E-06	0.06801	3.31307E-06	0.00339
594247.78	4129261.11	4625.61491	0.00350	0.05004	2.44515E-06	0.07422	3.61559E-06	0.00351
594295.59	4129261.11	4725.17221	0.00358	0.04958	2.42267E-06	0.08103	3.94733E-06	0.00358
594343.4	4129261.11	4765.32585	0.00361	0.04898	2.39335E-06	0.08850	4.31123E-06	0.00361
594391.21	4129261.11	4748.49589	0.00359	0.04821	2.35573E-06	0.09665	4.70825E-06	0.00360
594439.02	4129261.11	4680.08371	0.00354	0.04719	2.30589E-06	0.10561	5.14473E-06	0.00355
594486.83	4129261.11	4562.2956	0.00345	0.04569	2.23259E-06	0.11555	5.62895E-06	0.00346
594534.64	4129261.11	4390.15529	0.00332	0.04402	2.15099E-06	0.12654	6.16433E-06	0.00333
594582.45	4129261.11	4161.01157	0.00315	0.04279	2.09089E-06	0.13885	6.76400E-06	0.00316

594630.26	4129261.11	3907.88439	0.00296	0.04272	2.08747E-06	0.15267	7.43723E-06	0.00297
593913.11	4129295.37	3010.96052	0.00228	0.04670	2.28194E-06	0.04195	2.04357E-06	0.00228
593960.92	4129295.37	3213.77375	0.00243	0.04697	2.29514E-06	0.04528	2.20579E-06	0.00244
594008.73	4129295.37	3419.17377	0.00259	0.04711	2.30198E-06	0.04896	2.38506E-06	0.00259
594056.54	4129295.37	3621.2328	0.00274	0.04714	2.30344E-06	0.05302	2.58284E-06	0.00275
594104.35	4129295.37	3812.02748	0.00289	0.04707	2.30002E-06	0.05749	2.80059E-06	0.00289
594152.16	4129295.37	3982.19231	0.00301	0.04695	2.29416E-06	0.06241	3.04027E-06	0.00302
594199.97	4129295.37	4120.70662	0.00312	0.04675	2.28439E-06	0.06780	3.30284E-06	0.00313
594247.78	4129295.37	4217.62612	0.00319	0.04644	2.26924E-06	0.07369	3.58977E-06	0.00320
594295.59	4129295.37	4266.54886	0.00323	0.04602	2.24872E-06	0.08011	3.90251E-06	0.00324
594343.4	4129295.37	4267.09931	0.00323	0.04547	2.22184E-06	0.08711	4.24352E-06	0.00324
594391.21	4129295.37	4225.56372	0.00320	0.04476	2.18715E-06	0.09472	4.61423E-06	0.00321
594439.02	4129295.37	4147.26724	0.00314	0.04372	2.13633E-06	0.10305	5.02002E-06	0.00315
594486.83	4129295.37	4032.65954	0.00305	0.04231	2.06743E-06	0.11224	5.46771E-06	0.00306
594534.64	4129295.37	3873.56733	0.00293	0.04079	1.99316E-06	0.12243	5.96411E-06	0.00294
594582.45	4129295.37	3668.65647	0.00278	0.03974	1.94185E-06	0.13374	6.51507E-06	0.00279
594630.26	4129295.37	3451.22474	0.00261	0.03976	1.94283E-06	0.14635	7.12936E-06	0.00262
593913.11	4129329.63	2905.61573	0.00220	0.04408	2.15392E-06	0.04242	2.06647E-06	0.00220
593960.92	4129329.63	3081.42339	0.00233	0.04420	2.15978E-06	0.04569	2.22576E-06	0.00234
594008.73	4129329.63	3255.30194	0.00246	0.04417	2.15832E-06	0.04929	2.40113E-06	0.00247
594056.54	4129329.63	3420.98604	0.00259	0.04408	2.15392E-06	0.05324	2.59356E-06	0.00259
594104.35	4129329.63	3570.71664	0.00270	0.04394	2.14708E-06	0.05755	2.80352E-06	0.00271
594152.16	4129329.63	3695.11204	0.00280	0.04376	2.13828E-06	0.06227	3.03345E-06	0.00280
594199.97	4129329.63	3787.66027	0.00287	0.04354	2.12753E-06	0.06741	3.28384E-06	0.00287
594247.78	4129329.63	3841.94439	0.00291	0.04326	2.11385E-06	0.07298	3.55518E-06	0.00291
594295.59	4129329.63	3855.72439	0.00292	0.04290	2.09626E-06	0.07902	3.84942E-06	0.00292
594343.4	4129329.63	3831.60712	0.00290	0.04239	2.07134E-06	0.08557	4.16849E-06	0.00291
594391.21	4129329.63	3776.7637	0.00286	0.04166	2.03567E-06	0.09268	4.51485E-06	0.00287
594439.02	4129329.63	3697.76168	0.00280	0.04066	1.98681E-06	0.10044	4.89288E-06	0.00281
594486.83	4129329.63	3589.50583	0.00272	0.03933	1.92182E-06	0.10898	5.30890E-06	0.00272
594534.64	4129329.63	3443.27012	0.00261	0.03794	1.85390E-06	0.11840	5.76779E-06	0.00261
594582.45	4129329.63	3259.89454	0.00247	0.03706	1.81090E-06	0.12883	6.27588E-06	0.00248
594630.26	4129329.63	3070.55961	0.00232	0.03714	1.81480E-06	0.14040	6.83951E-06	0.00233
593913.11	4129363.89	2794.24888	0.00212	0.04161	2.03323E-06	0.04278	2.08400E-06	0.00212
593960.92	4129363.89	2944.73706	0.00223	0.04157	2.03127E-06	0.04599	2.24038E-06	0.00223
594008.73	4129363.89	3088.82511	0.00234	0.04146	2.02590E-06	0.04949	2.41088E-06	0.00234
594056.54	4129363.89	3220.72969	0.00244	0.04127	2.01661E-06	0.05331	2.59697E-06	0.00244
594104.35	4129363.89	3333.93858	0.00252	0.04107	2.00684E-06	0.05746	2.79913E-06	0.00253
594152.16	4129363.89	3421.32	0.00259	0.04087	1.99707E-06	0.06197	3.01883E-06	0.00260
594199.97	4129363.89	3477.31754	0.00263	0.04065	1.98632E-06	0.06684	3.25607E-06	0.00264
594247.78	4129363.89	3499.23104	0.00265	0.04041	1.97459E-06	0.07211	3.51280E-06	0.00265
594295.59	4129363.89	3488.52755	0.00264	0.04008	1.95846E-06	0.07779	3.78950E-06	0.00265
594343.4	4129363.89	3450.45043	0.00261	0.03960	1.93501E-06	0.08392	4.08812E-06	0.00262
594391.21	4129363.89	3393.04883	0.00257	0.03894	1.90276E-06	0.09056	4.41158E-06	0.00258
594439.02	4129363.89	3315.33438	0.00251	0.03792	1.85292E-06	0.09780	4.76427E-06	0.00252
594486.83	4129363.89	3215.0033	0.00243	0.03667	1.79184E-06	0.10573	5.15058E-06	0.00244
594534.64	4129363.89	3079.84599	0.00233	0.03543	1.73125E-06	0.11446	5.57586E-06	0.00234
594582.45	4129363.89	2914.79667	0.00221	0.03469	1.69509E-06	0.12409	6.04498E-06	0.00221
594630.26	4129363.89	2749.90437	0.00208	0.03483	1.70193E-06	0.13471	6.56232E-06	0.00209
593913.11	4129398.15	2679.16588	0.00203	0.03929	1.91986E-06	0.04304	2.09667E-06	0.00203
593960.92	4129398.15	2805.71598	0.00212	0.03916	1.91351E-06	0.04617	2.24915E-06	0.00213
594008.73	4129398.15	2922.43071	0.00221	0.03894	1.90276E-06	0.04957	2.41477E-06	0.00222
594056.54	4129398.15	3024.89769	0.00229	0.03872	1.89201E-06	0.05325	2.59404E-06	0.00229
594104.35	4129398.15	3106.84561	0.00235	0.03849	1.88077E-06	0.05723	2.78793E-06	0.00236
594152.16	4129398.15	3163.25502	0.00239	0.03828	1.87051E-06	0.06152	2.99691E-06	0.00240
594199.97	4129398.15	3191.13432	0.00242	0.03809	1.86123E-06	0.06614	3.22197E-06	0.00242
594247.78	4129398.15	3190.51454	0.00242	0.03788	1.85096E-06	0.07110	3.46360E-06	0.00242
594295.59	4129398.15	3164.98988	0.00240	0.03759	1.83679E-06	0.07644	3.72373E-06	0.00240
594343.4	4129398.15	3120.47854	0.00236	0.03714	1.81480E-06	0.08218	4.00335E-06	0.00237
594391.21	4129398.15	3062.53181	0.00232	0.03648	1.78255E-06	0.08839	4.30587E-06	0.00232
594439.02	4129398.15	2990.52245	0.00226	0.03549	1.73418E-06	0.09514	4.63469E-06	0.00227
594486.83	4129398.15	2896.17219	0.00219	0.03430	1.67603E-06	0.10253	4.99469E-06	0.00220
594534.64	4129398.15	2772.22801	0.00210	0.03319	1.62179E-06	0.11063	5.38928E-06	0.00211
594582.45	4129398.15	2622.96093	0.00199	0.03256	1.59101E-06	0.11951	5.82186E-06	0.00199
594630.26	4129398.15	2478.42565	0.00188	0.03274	1.59980E-06	0.12926	6.29683E-06	0.00188
593913.11	4129432.41	2561.58837	0.00194	0.03712	1.81383E-06	0.04320	2.10446E-06	0.00194
593960.92	4129432.41	2665.18662	0.00202	0.03688	1.80210E-06	0.04625	2.25304E-06	0.00202
594008.73	4129432.41	2758.14131	0.00209	0.03664	1.79037E-06	0.04953	2.41283E-06	0.00209
594056.54	4129432.41	2834.28901	0.00215	0.03638	1.77767E-06	0.05307	2.58528E-06	0.00215
594104.35	4129432.41	2889.27554	0.00219	0.03611	1.76447E-06	0.05688	2.77088E-06	0.00219
594152.16	4129432.41	2920.98242	0.00221	0.03592	1.75519E-06	0.06096	2.96963E-06	0.00222
594199.97	4129432.41	2927.9826	0.00222	0.03575	1.74688E-06	0.06533	3.18251E-06	0.00222
594247.78	4129432.41	2912.20412	0.00220	0.03558	1.73858E-06	0.07001	3.41050E-06	0.00221
594295.59	4129432.41	2878.44793	0.00218	0.03532	1.72587E-06	0.07501	3.65407E-06	0.00218
594343.4	4129432.41	2833.16773	0.00214	0.03492	1.70633E-06	0.08039	3.91615E-06	0.00215
594391.21	4129432.41	2777.68373	0.00210	0.03423	1.67261E-06	0.08619	4.19870E-06	0.00211
594439.02	4129432.41	2710.36066	0.00205	0.03328	1.62619E-06	0.09249	4.50560E-06	0.00206



594486.83	4129432.41	2622.77144	0.00199	0.03217	1.57195E-06	0.09937	4.84075E-06	0.00199
594534.64	4129432.41	2507.0008	0.00190	0.03118	1.52358E-06	0.10689	5.20709E-06	0.00190
594582.45	4129432.41	2371.93398	0.00180	0.03066	1.49817E-06	0.11509	5.60655E-06	0.00180
594630.26	4129432.41	2244.86631	0.00170	0.03087	1.50843E-06	0.12406	6.04351E-06	0.00171
593913.11	4129466.67	2442.81842	0.00185	0.03508	1.71414E-06	0.04329	2.10885E-06	0.00185
593960.92	4129466.67	2526.01782	0.00191	0.03480	1.70046E-06	0.04624	2.25256E-06	0.00192
594008.73	4129466.67	2596.84074	0.00197	0.03452	1.68678E-06	0.04940	2.40649E-06	0.00197
594056.54	4129466.67	2650.6604	0.00201	0.03422	1.67212E-06	0.05279	2.57164E-06	0.00201
594104.35	4129466.67	2684.5211	0.00203	0.03398	1.66039E-06	0.05642	2.74847E-06	0.00204
594152.16	4129466.67	2697.2728	0.00204	0.03380	1.65160E-06	0.06029	2.93699E-06	0.00205
594199.97	4129466.67	2689.52079	0.00204	0.03367	1.64525E-06	0.06442	3.13818E-06	0.00204
594247.78	4129466.67	2664.41613	0.00202	0.03353	1.63841E-06	0.06882	3.35253E-06	0.00202
594295.59	4129466.67	2627.13499	0.00199	0.03329	1.62668E-06	0.07352	3.58149E-06	0.00199
594343.4	4129466.67	2582.61901	0.00196	0.03287	1.60616E-06	0.07856	3.82701E-06	0.00196
594391.21	4129466.67	2531.16316	0.00192	0.03220	1.57342E-06	0.08399	4.09153E-06	0.00192
594439.02	4129466.67	2468.93545	0.00187	0.03130	1.52944E-06	0.08987	4.37797E-06	0.00188
594486.83	4129466.67	2386.32586	0.00181	0.03026	1.47862E-06	0.09627	4.68974E-06	0.00181
594534.64	4129466.67	2278.49181	0.00172	0.02937	1.43513E-06	0.10325	5.02977E-06	0.00173
594582.45	4129466.67	2155.90879	0.00163	0.02894	1.41412E-06	0.11082	5.39853E-06	0.00164
594630.26	4129466.67	2043.86383	0.00155	0.02917	1.42536E-06	0.11906	5.79994E-06	0.00155
594331.14	4128962.5	10756.5275	0.00814	0.11187	5.46640E-06	0.08454	4.11832E-06	0.00815
594357.05	4128962.5	11696.34847	0.00885	0.11295	5.51918E-06	0.09134	4.44958E-06	0.00886
594382.96	4128962.5	12703.20211	0.00962	0.11373	5.55729E-06	0.09884	4.81494E-06	0.00963
594408.87	4128962.5	13767.09477	0.01042	0.11417	5.57879E-06	0.10721	5.22268E-06	0.01043
594434.78	4128962.5	14873.43966	0.01126	0.11424	5.58221E-06	0.11645	5.67280E-06	0.01127
594460.69	4128962.5	15997.35705	0.01211	0.11391	5.56608E-06	0.12673	6.17358E-06	0.01212
594486.6	4128962.5	17102.81083	0.01295	0.11313	5.52797E-06	0.13815	6.72990E-06	0.01296
594331.14	4129004.55	9999.18611	0.00757	0.09806	4.79159E-06	0.08685	4.23085E-06	0.00758
594357.05	4129004.55	10706.43463	0.00811	0.09834	4.80527E-06	0.09342	4.55090E-06	0.00811
594382.96	4129004.55	11430.70746	0.00865	0.09837	4.80674E-06	0.10064	4.90262E-06	0.00866
594408.87	4129004.55	12161.59794	0.00921	0.09814	4.79550E-06	0.10848	5.28454E-06	0.00922
594434.78	4129004.55	12871.48049	0.00974	0.09768	4.77302E-06	0.11716	5.70738E-06	0.00975
594460.69	4129004.55	13538.46813	0.01025	0.09694	4.73686E-06	0.12666	6.17017E-06	0.01026
594486.6	4129004.55	14131.55259	0.01070	0.09590	4.68605E-06	0.13704	6.67583E-06	0.01071
594331.14	4129046.6	9088.17566	0.00688	0.08620	4.21207E-06	0.08831	4.30197E-06	0.00689
594357.05	4129046.6	9587.92969	0.00726	0.08603	4.20376E-06	0.09456	4.60644E-06	0.00727
594382.96	4129046.6	10076.53702	0.00763	0.08569	4.18715E-06	0.10130	4.93477E-06	0.00764
594408.87	4129046.6	10534.37744	0.00798	0.08519	4.16271E-06	0.10867	5.29380E-06	0.00798
594434.78	4129046.6	10949.16801	0.00829	0.08452	4.12998E-06	0.11663	5.68157E-06	0.00830
594460.69	4129046.6	11301.60731	0.00856	0.08367	4.08844E-06	0.12526	6.10197E-06	0.00857
594486.6	4129046.6	11574.10466	0.00876	0.08260	4.03616E-06	0.13455	6.55453E-06	0.00877
594331.14	4129088.65	8128.57624	0.00615	0.07617	3.72196E-06	0.08902	4.33656E-06	0.00616
594357.05	4129088.65	8461.06336	0.00641	0.07580	3.70388E-06	0.09484	4.62008E-06	0.00641
594382.96	4129088.65	8762.1723	0.00663	0.07531	3.67994E-06	0.10114	4.92698E-06	0.00664
594408.87	4129088.65	9023.59971	0.00683	0.07472	3.65111E-06	0.10792	5.25726E-06	0.00684
594434.78	4129088.65	9236.5497	0.00699	0.07402	3.61690E-06	0.11517	5.61044E-06	0.00700
594460.69	4129088.65	9390.17347	0.00711	0.07316	3.57488E-06	0.12296	5.98993E-06	0.00712
594486.6	4129088.65	9477.97718	0.00718	0.07212	3.52406E-06	0.13129	6.39572E-06	0.00719
594331.14	4129130.7	7190.33109	0.00544	0.06774	3.31004E-06	0.08911	4.34094E-06	0.00545
594357.05	4129130.7	7391.18408	0.00560	0.06730	3.28854E-06	0.09455	4.60595E-06	0.00560
594382.96	4129130.7	7558.82749	0.00572	0.06679	3.26362E-06	0.10036	4.88898E-06	0.00573
594408.87	4129130.7	7687.45303	0.00582	0.06619	3.23430E-06	0.10655	5.19052E-06	0.00583
594434.78	4129130.7	7774.89251	0.00589	0.06551	3.20107E-06	0.11312	5.51058E-06	0.00589
594460.69	4129130.7	7814.39426	0.00592	0.06468	3.16052E-06	0.12014	5.85255E-06	0.00592
594486.6	4129130.7	7805.20078	0.00591	0.06368	3.11165E-06	0.12763	6.21742E-06	0.00592
595047.1	4127721.65	1204.3118	0.00091	0.25974	1.26919E-05	0.01305	6.35723E-07	0.00093
595080.55	4127721.65	1313.14356	0.00099	0.25017	1.22243E-05	0.01382	6.73234E-07	0.00101
595047.1	4127745.31	1303.88273	0.00099	0.27822	1.35949E-05	0.01374	6.69336E-07	0.00100
595080.55	4127745.31	1417.93573	0.00107	0.26643	1.30188E-05	0.01450	7.06359E-07	0.00109
595047.1	4127768.97	1410.72275	0.00107	0.29747	1.45355E-05	0.01442	7.02462E-07	0.00108
595080.55	4127768.97	1534.334	0.00116	0.28303	1.38299E-05	0.01525	7.42895E-07	0.00118
595047.1	4127792.63	1531.44199	0.00116	0.31724	1.55016E-05	0.01518	7.39485E-07	0.00118
595080.55	4127792.63	1667.23955	0.00126	0.29973	1.46460E-05	0.01609	7.83815E-07	0.00128
595047.1	4127816.29	1668.40726	0.00126	0.33721	1.64774E-05	0.01605	7.81867E-07	0.00128
595080.55	4127816.29	1813.94437	0.00137	0.31620	1.54508E-05	0.01701	8.28633E-07	0.00139
595047.1	4127839.95	1818.1303	0.00138	0.35691	1.74400E-05	0.01694	8.25223E-07	0.00139
595080.55	4127839.95	1978.03313	0.00150	0.33199	1.62223E-05	0.01801	8.77347E-07	0.00151
595047.1	4127863.61	1986.25787	0.00150	0.37575	1.83606E-05	0.01792	8.72963E-07	0.00152
595080.55	4127863.61	2164.25203	0.00164	0.34660	1.69362E-05	0.01914	9.32394E-07	0.00166
595047.1	4127887.27	2180.53189	0.00165	0.39305	1.92059E-05	0.01904	9.27523E-07	0.00167
595080.55	4127887.27	2368.39745	0.00179	0.35946	1.75646E-05	0.02032	9.89878E-07	0.00181
595047.1	4127910.93	2397.32441	0.00181	0.40804	1.99384E-05	0.02028	9.87929E-07	0.00184
595080.55	4127910.93	2601.8667	0.00197	0.37013	1.80860E-05	0.02182	1.06295E-06	0.00199
595047.1	4127934.59	2642.63382	0.00200	0.42012	2.05287E-05	0.02163	1.05369E-06	0.00202
595080.55	4127934.59	2860.29851	0.00217	0.37825	1.84828E-05	0.02334	1.13700E-06	0.00219
595047.1	4127958.25	2918.94014	0.00221	0.42893	2.09592E-05	0.02333	1.13651E-06	0.00223
595080.55	4127958.25	3151.49857	0.00239	0.38376	1.87520E-05	0.02496	1.21591E-06	0.00241

595047.1	4127981.91	3230.75931	0.00245	0.43446	2.12294E-05	0.02499	1.21737E-06	0.00247
595080.55	4127981.91	3480.02718	0.00263	0.38686	1.89035E-05	0.02678	1.30457E-06	0.00265
595047.1	4128005.57	3585.19424	0.00271	0.43717	2.13618E-05	0.02684	1.30750E-06	0.00274
595080.55	4128005.57	3851.21343	0.00292	0.38798	1.89582E-05	0.02892	1.40882E-06	0.00294
595047.1	4128029.23	3988.82857	0.00302	0.43768	2.13867E-05	0.02899	1.41223E-06	0.00304
595080.55	4128029.23	4270.92812	0.00323	0.38756	1.89377E-05	0.03132	1.52574E-06	0.00325
595047.1	4128052.89	4449.15124	0.00337	0.43657	2.13325E-05	0.03151	1.53499E-06	0.00339
595080.55	4128052.89	4745.99388	0.00359	0.38603	1.88629E-05	0.03392	1.65239E-06	0.00361
594886.23	4127719.27	732.95751	0.00055	0.28756	1.40513E-05	0.01016	4.94939E-07	0.00057
594950.74	4127719.27	905.39004	0.00069	0.27979	1.36716E-05	0.01117	5.44140E-07	0.00070
594886.23	4127747.71	797.68447	0.00060	0.32384	1.58241E-05	0.01072	5.22219E-07	0.00062
594950.74	4127747.71	990.89209	0.00075	0.31045	1.51698E-05	0.01181	5.75318E-07	0.00077
594886.23	4127776.15	870.20768	0.00066	0.36520	1.78451E-05	0.01128	5.49499E-07	0.00068
594950.74	4127776.15	1087.27179	0.00082	0.34432	1.68248E-05	0.01248	6.07956E-07	0.00084
594886.23	4127804.59	955.05308	0.00072	0.41202	2.01329E-05	0.01194	5.81650E-07	0.00074
594950.74	4127804.59	1199.00869	0.00091	0.38140	1.86367E-05	0.01323	6.44492E-07	0.00093
594886.23	4127833.03	1051.2182	0.00080	0.46530	2.27364E-05	0.01263	6.15263E-07	0.00082
594950.74	4127833.03	1326.08826	0.00100	0.42169	2.06054E-05	0.01406	6.84925E-07	0.00103
594886.23	4127861.47	1163.64174	0.00088	0.52555	2.56804E-05	0.01341	6.53261E-07	0.00091
594950.74	4127861.47	1471.00302	0.00111	0.46469	2.27066E-05	0.01494	7.27794E-07	0.00114
594886.23	4127889.91	1290.60276	0.00098	0.59333	2.89924E-05	0.01424	6.93694E-07	0.00101
594950.74	4127889.91	1643.50625	0.00124	0.50914	2.48786E-05	0.01597	7.77970E-07	0.00127
594886.23	4127918.35	1440.53068	0.00109	0.66756	3.26196E-05	0.01519	7.39972E-07	0.00112
594950.74	4127918.35	1842.60656	0.00139	0.55279	2.70115E-05	0.01711	8.33504E-07	0.00142
594834.46	4127713.69	599.42186	0.00045	0.28127	1.37439E-05	0.00918	4.47199E-07	0.00047
594862.34	4127713.69	662.24207	0.00050	0.28184	1.37718E-05	0.00952	4.63762E-07	0.00052
594834.46	4127736.34	638.39268	0.00048	0.31171	1.52314E-05	0.00956	4.65710E-07	0.00050
594862.34	4127736.34	707.45587	0.00054	0.31088	1.51908E-05	0.00996	4.85196E-07	0.00055
594834.46	4127758.99	681.3002	0.00052	0.34605	1.69093E-05	0.00998	4.86170E-07	0.00053
594862.34	4127758.99	757.48546	0.00057	0.34333	1.67764E-05	0.01059	5.15886E-07	0.00059
594834.46	4127781.64	729.50679	0.00055	0.38474	1.87999E-05	0.01062	5.17347E-07	0.00057
594862.34	4127781.64	811.14164	0.00061	0.37979	1.85580E-05	0.01102	5.36833E-07	0.00063
594834.46	4127804.29	781.187	0.00059	0.42879	2.09523E-05	0.01106	5.38782E-07	0.00061
594862.34	4127804.29	872.63459	0.00066	0.42037	2.05409E-05	0.01153	5.61678E-07	0.00068
594834.46	4127826.94	840.56372	0.00064	0.47848	2.33804E-05	0.01158	5.64113E-07	0.00066
594862.34	4127826.94	940.11449	0.00071	0.46593	2.27671E-05	0.01205	5.87009E-07	0.00074
594834.46	4127849.59	905.74028	0.00069	0.53521	2.61524E-05	0.01210	5.89445E-07	0.00071
594862.34	4127849.59	1014.2069	0.00077	0.51715	2.52700E-05	0.01259	6.13315E-07	0.00079
594834.46	4127872.24	977.32135	0.00074	0.60021	2.93286E-05	0.01265	6.16238E-07	0.00077
594862.34	4127872.24	1097.14452	0.00083	0.57453	2.80738E-05	0.01318	6.42056E-07	0.00086
594834.46	4127894.89	1057.50765	0.00080	0.67464	3.29655E-05	0.01325	6.45466E-07	0.00083
594862.34	4127894.89	1193.70695	0.00090	0.63839	3.11942E-05	0.01385	6.74695E-07	0.00094
594834.46	4127917.54	1151.1834	0.00087	0.75950	3.71121E-05	0.01393	6.78592E-07	0.00091
594862.34	4127917.54	1301.14574	0.00099	0.70922	3.46552E-05	0.01458	7.10257E-07	0.00102
595026.39	4127722.45	1142.84781	0.00087	0.26595	1.29953E-05	0.01266	6.16725E-07	0.00088
595026.39	4127759.08	1289.7481	0.00098	0.29734	1.45292E-05	0.01363	6.63978E-07	0.00099
595026.39	4127795.71	1464.03341	0.00111	0.33090	1.61691E-05	0.01476	7.19025E-07	0.00113
595026.39	4127832.34	1670.18243	0.00126	0.36561	1.78651E-05	0.01602	7.80405E-07	0.00128
595026.39	4127868.97	1917.42714	0.00145	0.39953	1.95226E-05	0.01748	8.51528E-07	0.00147
595026.39	4127905.6	2218.5195	0.00168	0.42979	2.10012E-05	0.01918	9.34343E-07	0.00170
595026.39	4127942.23	2581.26466	0.00195	0.45310	2.21402E-05	0.02116	1.03080E-06	0.00198
595026.39	4127978.86	3024.00357	0.00229	0.46741	2.28395E-05	0.02348	1.14382E-06	0.00231
595026.39	4128015.49	3565.04646	0.00270	0.47322	2.31234E-05	0.02646	1.28898E-06	0.00272
595026.39	4128052.12	4229.31319	0.00320	0.47302	2.31136E-05	0.02983	1.45315E-06	0.00323
594967.92	4128313.02	16541.43183	0.01252	0.53498	2.61412E-05	0.08094	3.94295E-06	0.01255
594989.44	4128313.02	16854.84939	0.01276	0.48047	2.34776E-05	0.08633	4.20552E-06	0.01279
595010.96	4128313.02	17025.58736	0.01289	0.43373	2.11937E-05	0.09160	4.46224E-06	0.01291
595032.48	4128313.02	17066.0073	0.01292	0.39322	1.92143E-05	0.09659	4.70533E-06	0.01294
595054	4128313.02	16990.30851	0.01286	0.35776	1.74815E-05	0.10117	4.92844E-06	0.01288
595075.52	4128313.02	16813.49288	0.01273	0.32649	1.59536E-05	0.10533	5.13109E-06	0.01275
594967.92	4128341.65	20102.8328	0.01522	0.51959	2.53892E-05	0.09620	4.68633E-06	0.01525
594989.44	4128341.65	20267.42794	0.01534	0.46610	2.27755E-05	0.10243	4.98982E-06	0.01537
595010.96	4128341.65	20261.44809	0.01534	0.42019	2.05321E-05	0.10838	5.27967E-06	0.01536
595032.48	4128341.65	20105.85178	0.01522	0.38037	1.85864E-05	0.11389	5.54809E-06	0.01525
595054	4128341.65	19822.2504	0.01501	0.34551	1.68830E-05	0.11884	5.78922E-06	0.01503
595075.52	4128341.65	19432.18478	0.01471	0.31479	1.53819E-05	0.12322	6.00259E-06	0.01473
594967.92	4128370.28	24513.55515	0.01856	0.50321	2.45888E-05	0.11569	5.63577E-06	0.01859
594989.44	4128370.28	24412.58535	0.01848	0.45082	2.20288E-05	0.12292	5.98798E-06	0.01851
595010.96	4128370.28	24117.51233	0.01826	0.40565	1.98216E-05	0.12954	6.31047E-06	0.01828
595032.48	4128370.28	23659.51281	0.01791	0.36627	1.78974E-05	0.13530	6.59106E-06	0.01794
595054	4128370.28	23072.67444	0.01747	0.33194	1.62199E-05	0.14051	6.84487E-06	0.01749
595075.52	4128370.28	22385.60466	0.01695	0.30183	1.47486E-05	0.14519	7.07285E-06	0.01697
594967.92	4128398.91	29921.98485	0.02265	0.48563	2.37298E-05	0.14086	6.86192E-06	0.02268
594989.44	4128398.91	29378.45114	0.02224	0.43390	2.12020E-05	0.14893	7.25504E-06	0.02227
595010.96	4128398.91	28637.15035	0.02168	0.38938	1.90266E-05	0.15614	7.60627E-06	0.02171
595032.48	4128398.91	27741.07095	0.02100	0.35072	1.71375E-05	0.16242	7.91220E-06	0.02103
595054	4128398.91	26729.61885	0.02024	0.31691	1.54855E-05	0.16773	8.17087E-06	0.02026

595075.52	4128398.91	25638.91294	0.01941	0.28728	1.40376E-05	0.17214	8.38570E-06	0.01943
594967.92	4128427.54	36442.06638	0.02759	0.46655	2.27974E-05	0.17554	8.55133E-06	0.02762
594989.44	4128427.54	35210.63185	0.02666	0.41460	2.02590E-05	0.18341	8.93472E-06	0.02669
595010.96	4128427.54	33815.69897	0.02560	0.37069	1.81134E-05	0.19087	9.29813E-06	0.02563
595032.48	4128427.54	32304.04015	0.02446	0.33259	1.62516E-05	0.19700	9.59675E-06	0.02448
595054	4128427.54	30724.25058	0.02326	0.29956	1.46377E-05	0.20193	9.83691E-06	0.02328
595075.52	4128427.54	29114.00551	0.02204	0.27079	1.32319E-05	0.20565	1.00181E-05	0.02206
595000.73	4128430.99	35205.57503	0.02665	0.38819	1.89685E-05	0.19233	9.36925E-06	0.02668
595032.09	4128430.99	32912.424	0.02492	0.33089	1.61686E-05	0.20173	9.82716E-06	0.02494
595063.45	4128430.99	30487.05172	0.02308	0.28428	1.38910E-05	0.20836	1.01501E-05	0.02310
595000.73	4128448.25	38907.37005	0.02945	0.37546	1.83464E-05	0.21995	1.07147E-05	0.02948
595032.09	4128448.25	35891.60055	0.02717	0.31856	1.55661E-05	0.22827	1.11200E-05	0.02720
595063.45	4128448.25	32848.31361	0.02487	0.27270	1.33252E-05	0.23390	1.13943E-05	0.02489
595000.73	4128465.51	42814.54276	0.03241	0.36143	1.76609E-05	0.25361	1.23545E-05	0.03244
595032.09	4128465.51	38966.57109	0.02950	0.30520	1.49133E-05	0.25918	1.26258E-05	0.02953
595063.45	4128465.51	35223.06874	0.02667	0.26033	1.27207E-05	0.26316	1.28197E-05	0.02669
595056.55	4128477.03	37709.55747	0.02855	0.26077	1.27422E-05	0.28426	1.38476E-05	0.02857
595097.42	4128477.03	32540.89955	0.02464	0.21417	1.04652E-05	0.28272	1.37725E-05	0.02466
595138.29	4128477.03	27935.99348	0.02115	0.17846	8.72025E-06	0.27763	1.35246E-05	0.02117
595056.55	4128506.38	41754.49939	0.03161	0.23755	1.16076E-05	0.35150	1.71231E-05	0.03164
595097.42	4128506.38	35119.54814	0.02659	0.19474	9.51575E-06	0.34023	1.65741E-05	0.02661
595138.29	4128506.38	29460.78009	0.02230	0.16208	7.91986E-06	0.32526	1.58449E-05	0.02233
595185.07	4128542.78	24098.20111	0.01824	0.11801	5.76643E-06	0.35917	1.74968E-05	0.01827
595200.24	4128542.78	22374.12096	0.01694	0.11159	5.45272E-06	0.34935	1.70184E-05	0.01696
595215.41	4128542.78	20783.01697	0.01573	0.10566	5.16296E-06	0.33992	1.65590E-05	0.01576
595230.58	4128542.78	19318.92178	0.01463	0.10028	4.90007E-06	0.33089	1.61191E-05	0.01465
595245.75	4128542.78	17972.54385	0.01361	0.09534	4.65868E-06	0.32239	1.57050E-05	0.01363
595260.92	4128542.78	16733.93174	0.01267	0.09079	4.43635E-06	0.31420	1.53061E-05	0.01269
595276.09	4128542.78	15594.51672	0.01181	0.08659	4.23112E-06	0.30639	1.49256E-05	0.01183
595291.26	4128542.78	14545.85546	0.01101	0.08271	4.04153E-06	0.29888	1.45598E-05	0.01103
595306.43	4128542.78	13580.11812	0.01028	0.07912	3.86611E-06	0.29156	1.42032E-05	0.01030
595321.6	4128542.78	12690.62415	0.00961	0.07577	3.70242E-06	0.28452	1.38602E-05	0.00963
595185.07	4128563.98	23622.66877	0.01788	0.10927	5.33936E-06	0.39103	1.90488E-05	0.01791
595200.24	4128563.98	21840.47853	0.01653	0.10371	5.06767E-06	0.37916	1.84706E-05	0.01656
595215.41	4128563.98	20198.0596	0.01529	0.09848	4.81212E-06	0.36771	1.79128E-05	0.01531
595230.58	4128563.98	18696.63614	0.01415	0.09352	4.56975E-06	0.35665	1.73740E-05	0.01418
595245.75	4128563.98	17326.28086	0.01312	0.08906	4.35182E-06	0.34636	1.68727E-05	0.01314
595260.92	4128563.98	16074.93778	0.01217	0.08494	4.15050E-06	0.33656	1.63953E-05	0.01219
595276.09	4128563.98	14931.91172	0.01130	0.08114	3.96482E-06	0.32730	1.59442E-05	0.01132
595291.26	4128563.98	13886.5965	0.01051	0.07757	3.79037E-06	0.31836	1.55087E-05	0.01053
595306.43	4128563.98	12930.42436	0.00979	0.07432	3.63156E-06	0.30992	1.50976E-05	0.00981
595321.6	4128563.98	12055.43104	0.00913	0.07133	3.48546E-06	0.30196	1.47098E-05	0.00914
595185.07	4128585.18	22758.27007	0.01723	0.10115	4.94258E-06	0.42368	2.06393E-05	0.01725
595200.24	4128585.18	20963.03566	0.01587	0.09631	4.70608E-06	0.40992	1.99690E-05	0.01589
595215.41	4128585.18	19314.43984	0.01462	0.09169	4.48033E-06	0.39643	1.93119E-05	0.01465
595230.58	4128585.18	17815.86469	0.01349	0.08740	4.27070E-06	0.38358	1.86859E-05	0.01351
595245.75	4128585.18	16455.63903	0.01246	0.08329	4.06987E-06	0.37114	1.80799E-05	0.01248
595260.92	4128585.18	15221.56636	0.01152	0.07953	3.88614E-06	0.35953	1.75143E-05	0.01154
595276.09	4128585.18	14101.78812	0.01068	0.07610	3.71854E-06	0.34877	1.69901E-05	0.01070
595291.26	4128585.18	13084.14242	0.00991	0.07291	3.56267E-06	0.33865	1.64971E-05	0.00993
595306.43	4128585.18	12158.65802	0.00920	0.06996	3.41852E-06	0.32903	1.60285E-05	0.00922
595321.6	4128585.18	11316.54041	0.00857	0.06725	3.28610E-06	0.31999	1.55881E-05	0.00859
595185.07	4128606.38	21488.6272	0.01627	0.09348	4.56780E-06	0.45680	2.22528E-05	0.01629
595200.24	4128606.38	19727.39454	0.01493	0.08927	4.36208E-06	0.44114	2.14899E-05	0.01496
595215.41	4128606.38	18130.16873	0.01373	0.08527	4.16662E-06	0.42605	2.07548E-05	0.01375
595230.58	4128606.38	16689.0506	0.01263	0.08155	3.98485E-06	0.41162	2.00518E-05	0.01266
595245.75	4128606.38	15386.342	0.01165	0.07808	3.81529E-06	0.39759	1.93684E-05	0.01167

# 1410 South Bascom Avenue Project

2021

No Mitigation

At Sensitive Receptors

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec): 4.88204E-07  
 Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec): 5.32973E-05  
 Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec): 5.31343E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00162	0.05879	3.13335E-06	0.03891	2.06745E-06	0.00163
593960.92	4129158.33	3639.06634	0.00178	0.05999	3.19730E-06	0.04232	2.24864E-06	0.00178
594008.73	4129158.33	3982.44153	0.00194	0.06107	3.25486E-06	0.04616	2.45268E-06	0.00195
594056.54	4129158.33	4355.83729	0.00213	0.06204	3.30656E-06	0.05049	2.68275E-06	0.00213
594104.35	4129158.33	4754.1984	0.00232	0.06287	3.35080E-06	0.05540	2.94364E-06	0.00233
594152.16	4129158.33	5171.19628	0.00252	0.06352	3.38544E-06	0.06096	3.23907E-06	0.00253
594199.97	4129158.33	5594.53203	0.00273	0.06388	3.40463E-06	0.06725	3.57328E-06	0.00274
594247.78	4129158.33	6004.09246	0.00293	0.06386	3.40356E-06	0.07437	3.95160E-06	0.00294
594295.59	4129158.33	6373.51698	0.00311	0.06345	3.38171E-06	0.08239	4.37773E-06	0.00312
594343.4	4129158.33	6674.07426	0.00326	0.06275	3.34440E-06	0.09131	4.85169E-06	0.00327
594391.21	4129158.33	6873.62872	0.00336	0.06185	3.29644E-06	0.10136	5.38569E-06	0.00336
594439.02	4129158.33	6951.56549	0.00339	0.06065	3.23248E-06	0.11262	5.98398E-06	0.00340
594486.83	4129158.33	6904.49051	0.00337	0.05898	3.14347E-06	0.12517	6.65082E-06	0.00338
594534.64	4129158.33	6727.25386	0.00328	0.05686	3.03048E-06	0.13927	7.40001E-06	0.00329
594582.45	4129158.33	6415.33047	0.00313	0.05494	2.92815E-06	0.15543	8.25866E-06	0.00314
594630.26	4129158.33	6008.16583	0.00293	0.05443	2.90097E-06	0.17405	9.24802E-06	0.00295
593913.11	4129192.59	3270.19406	0.00160	0.05557	2.96173E-06	0.03989	2.11953E-06	0.00160
593960.92	4129192.59	3555.71462	0.00174	0.05649	3.01076E-06	0.04330	2.30071E-06	0.00174
594008.73	4129192.59	3863.7514	0.00189	0.05727	3.05233E-06	0.04710	2.50262E-06	0.00189
594056.54	4129192.59	4191.06421	0.00205	0.05791	3.08645E-06	0.05139	2.73057E-06	0.00205
594104.35	4129192.59	4533.29631	0.00221	0.05844	3.11469E-06	0.05623	2.98774E-06	0.00222
594152.16	4129192.59	4880.00864	0.00238	0.05879	3.13335E-06	0.06166	3.27626E-06	0.00239
594199.97	4129192.59	5217.3588	0.00255	0.05890	3.13921E-06	0.06775	3.59985E-06	0.00255
594247.78	4129192.59	5526.09506	0.00270	0.05871	3.12908E-06	0.07458	3.96275E-06	0.00270
594295.59	4129192.59	5783.66201	0.00282	0.05823	3.10350E-06	0.08220	4.36764E-06	0.00283
594343.4	4129192.59	5967.64393	0.00291	0.05754	3.06673E-06	0.09067	4.81768E-06	0.00292
594391.21	4129192.59	6063.44808	0.00296	0.05668	3.02089E-06	0.10005	5.31608E-06	0.00297
594439.02	4129192.59	6063.30313	0.00296	0.05553	2.95960E-06	0.11042	5.86709E-06	0.00297
594486.83	4129192.59	5968.23517	0.00291	0.05391	2.87326E-06	0.12199	6.48185E-06	0.00292
594534.64	4129192.59	5779.52334	0.00282	0.05194	2.76826E-06	0.13496	7.17100E-06	0.00283
594582.45	4129192.59	5495.75797	0.00268	0.05029	2.68032E-06	0.14963	7.95048E-06	0.00269
594630.26	4129192.59	5152.86778	0.00252	0.04996	2.66273E-06	0.16629	8.83570E-06	0.00253
593913.11	4129226.85	3196.35742	0.00156	0.05249	2.79757E-06	0.04073	2.16416E-06	0.00157
593960.92	4129226.85	3454.53449	0.00169	0.05317	2.83382E-06	0.04413	2.34482E-06	0.00169
594008.73	4129226.85	3726.98995	0.00182	0.05368	2.86100E-06	0.04787	2.54354E-06	0.00182
594056.54	4129226.85	4010.32013	0.00196	0.05400	2.87805E-06	0.05210	2.76830E-06	0.00196
594104.35	4129226.85	4298.33572	0.00210	0.05428	2.89298E-06	0.05684	3.02015E-06	0.00210
594152.16	4129226.85	4579.67319	0.00224	0.05442	2.90044E-06	0.06212	3.30070E-06	0.00224
594199.97	4129226.85	4840.4703	0.00236	0.05437	2.89777E-06	0.06800	3.61313E-06	0.00237
594247.78	4129226.85	5063.63373	0.00247	0.05409	2.88285E-06	0.07452	3.95957E-06	0.00248
594295.59	4129226.85	5231.96273	0.00255	0.05360	2.85673E-06	0.08174	4.34320E-06	0.00256
594343.4	4129226.85	5331.45972	0.00260	0.05294	2.82156E-06	0.08970	4.76614E-06	0.00261
594391.21	4129226.85	5357.84087	0.00262	0.05221	2.78265E-06	0.09845	5.23107E-06	0.00262
594439.02	4129226.85	5312.73141	0.00259	0.05109	2.72296E-06	0.10809	5.74328E-06	0.00260
594486.83	4129226.85	5198.54687	0.00254	0.04952	2.63928E-06	0.11878	6.31129E-06	0.00255
594534.64	4129226.85	5014.19751	0.00245	0.04770	2.54228E-06	0.13071	6.94518E-06	0.00246
594582.45	4129226.85	4758.88666	0.00232	0.04628	2.46660E-06	0.14412	7.65771E-06	0.00233
594630.26	4129226.85	4464.94665	0.00218	0.04609	2.45647E-06	0.15928	8.46323E-06	0.00219
593913.11	4129261.11	3108.59307	0.00152	0.04951	2.63875E-06	0.04137	2.19816E-06	0.00152
593960.92	4129261.11	3338.75679	0.00163	0.04996	2.66273E-06	0.04475	2.37776E-06	0.00164
594008.73	4129261.11	3577.63236	0.00175	0.05028	2.67979E-06	0.04849	2.57648E-06	0.00175
594056.54	4129261.11	3819.32836	0.00186	0.05044	2.68831E-06	0.05264	2.79699E-06	0.00187
594104.35	4129261.11	4055.99067	0.00198	0.05053	2.69311E-06	0.05726	3.04247E-06	0.00199
594152.16	4129261.11	4278.26507	0.00209	0.05051	2.69205E-06	0.06237	3.31398E-06	0.00209
594199.97	4129261.11	4472.72286	0.00218	0.05036	2.68405E-06	0.06801	3.61366E-06	0.00219
594247.78	4129261.11	4625.61491	0.00226	0.05004	2.66700E-06	0.07422	3.94363E-06	0.00226
594295.59	4129261.11	4725.17221	0.00231	0.04958	2.64248E-06	0.08103	4.30547E-06	0.00231
594343.4	4129261.11	4765.32585	0.00233	0.04898	2.61050E-06	0.08850	4.70238E-06	0.00233
594391.21	4129261.11	4748.49589	0.00232	0.04821	2.56946E-06	0.09665	5.13543E-06	0.00233
594439.02	4129261.11	4680.08371	0.00228	0.04719	2.51510E-06	0.10561	5.61151E-06	0.00229
594486.83	4129261.11	4562.2956	0.00223	0.04569	2.43515E-06	0.11555	6.13967E-06	0.00224
594534.64	4129261.11	4390.15529	0.00214	0.04402	2.34615E-06	0.12654	6.72361E-06	0.00215
594582.45	4129261.11	4161.01157	0.00203	0.04279	2.28059E-06	0.13885	7.37769E-06	0.00204

594630.26	4129261.11	3907.88439	0.00191	0.04272	2.27686E-06	0.15267	8.11201E-06	0.00192
593913.11	4129295.37	3010.96052	0.00147	0.04670	2.48898E-06	0.04195	2.22898E-06	0.00147
593960.92	4129295.37	3213.77375	0.00157	0.04697	2.50337E-06	0.04528	2.40592E-06	0.00157
594008.73	4129295.37	3419.17377	0.00167	0.04711	2.51083E-06	0.04896	2.60145E-06	0.00167
594056.54	4129295.37	3621.2328	0.00177	0.04714	2.51243E-06	0.05302	2.81718E-06	0.00177
594104.35	4129295.37	3812.02748	0.00186	0.04707	2.50870E-06	0.05749	3.05469E-06	0.00187
594152.16	4129295.37	3982.19231	0.00194	0.04695	2.50231E-06	0.06241	3.31611E-06	0.00195
594199.97	4129295.37	4120.70662	0.00201	0.04675	2.49165E-06	0.06780	3.60250E-06	0.00202
594247.78	4129295.37	4217.62612	0.00206	0.04644	2.47513E-06	0.07369	3.91546E-06	0.00207
594295.59	4129295.37	4266.54886	0.00208	0.04602	2.45274E-06	0.08011	4.25659E-06	0.00209
594343.4	4129295.37	4267.09931	0.00208	0.04547	2.42343E-06	0.08711	4.62853E-06	0.00209
594391.21	4129295.37	4225.56372	0.00206	0.04476	2.38559E-06	0.09472	5.03288E-06	0.00207
594439.02	4129295.37	4147.26724	0.00202	0.04372	2.33016E-06	0.10305	5.47549E-06	0.00203
594486.83	4129295.37	4032.65954	0.00197	0.04231	2.25501E-06	0.11224	5.96379E-06	0.00198
594534.64	4129295.37	3873.56733	0.00189	0.04079	2.17400E-06	0.12243	6.50523E-06	0.00190
594582.45	4129295.37	3668.65647	0.00179	0.03974	2.11803E-06	0.13374	7.10618E-06	0.00180
594630.26	4129295.37	3451.22474	0.00168	0.03976	2.11910E-06	0.14635	7.77620E-06	0.00169
593913.11	4129329.63	2905.61573	0.00142	0.04408	2.34934E-06	0.04242	2.25396E-06	0.00142
593960.92	4129329.63	3081.42339	0.00150	0.04420	2.35574E-06	0.04569	2.42771E-06	0.00151
594008.73	4129329.63	3255.30194	0.00159	0.04417	2.35414E-06	0.04929	2.61899E-06	0.00159
594056.54	4129329.63	3420.98604	0.00167	0.04408	2.34934E-06	0.05324	2.82887E-06	0.00168
594104.35	4129329.63	3570.71664	0.00174	0.04394	2.34188E-06	0.05755	3.05788E-06	0.00175
594152.16	4129329.63	3695.11204	0.00180	0.04376	2.33229E-06	0.06227	3.30867E-06	0.00181
594199.97	4129329.63	3787.66027	0.00185	0.04354	2.32056E-06	0.06741	3.58178E-06	0.00186
594247.78	4129329.63	3841.94439	0.00188	0.04326	2.30564E-06	0.07298	3.87774E-06	0.00188
594295.59	4129329.63	3855.72439	0.00188	0.04290	2.28645E-06	0.07902	4.19867E-06	0.00189
594343.4	4129329.63	3831.60712	0.00187	0.04239	2.25927E-06	0.08557	4.54670E-06	0.00188
594391.21	4129329.63	3776.7637	0.00184	0.04166	2.22036E-06	0.09268	4.92448E-06	0.00185
594439.02	4129329.63	3697.76168	0.00181	0.04066	2.16707E-06	0.10044	5.33681E-06	0.00181
594486.83	4129329.63	3589.50583	0.00175	0.03933	2.09618E-06	0.10898	5.79057E-06	0.00176
594534.64	4129329.63	3443.27012	0.00168	0.03794	2.02210E-06	0.11840	6.29110E-06	0.00169
594582.45	4129329.63	3259.89454	0.00159	0.03706	1.97520E-06	0.12883	6.84529E-06	0.00160
594630.26	4129329.63	3070.55961	0.00150	0.03714	1.97946E-06	0.14040	7.46005E-06	0.00151
593913.11	4129363.89	2794.24888	0.00136	0.04161	2.21770E-06	0.04278	2.27308E-06	0.00137
593960.92	4129363.89	2944.73706	0.00144	0.04157	2.21557E-06	0.04599	2.44365E-06	0.00144
594008.73	4129363.89	3088.82511	0.00151	0.04146	2.20970E-06	0.04949	2.62962E-06	0.00151
594056.54	4129363.89	3220.72969	0.00157	0.04127	2.19958E-06	0.05331	2.83259E-06	0.00158
594104.35	4129363.89	3333.93858	0.00163	0.04107	2.18892E-06	0.05746	3.05310E-06	0.00163
594152.16	4129363.89	3421.32	0.00167	0.04087	2.17826E-06	0.06197	3.29273E-06	0.00168
594199.97	4129363.89	3477.31754	0.00170	0.04065	2.16653E-06	0.06684	3.55149E-06	0.00170
594247.78	4129363.89	3499.23104	0.00171	0.04041	2.15374E-06	0.07211	3.83151E-06	0.00171
594295.59	4129363.89	3488.52755	0.00170	0.04008	2.13615E-06	0.07779	4.13332E-06	0.00171
594343.4	4129363.89	3450.45043	0.00168	0.03960	2.11057E-06	0.08392	4.45903E-06	0.00169
594391.21	4129363.89	3393.04883	0.00166	0.03894	2.07540E-06	0.09056	4.81184E-06	0.00166
594439.02	4129363.89	3315.33438	0.00162	0.03792	2.02103E-06	0.09780	5.19653E-06	0.00163
594486.83	4129363.89	3215.0033	0.00157	0.03667	1.95441E-06	0.10573	5.61789E-06	0.00158
594534.64	4129363.89	3079.84599	0.00150	0.03543	1.88832E-06	0.11446	6.08175E-06	0.00151
594582.45	4129363.89	2914.79667	0.00142	0.03469	1.84888E-06	0.12409	6.59343E-06	0.00143
594630.26	4129363.89	2749.90437	0.00134	0.03483	1.85634E-06	0.13471	7.15772E-06	0.00135
593913.11	4129398.15	2679.16588	0.00131	0.03929	2.09405E-06	0.04304	2.28690E-06	0.00131
593960.92	4129398.15	2805.71598	0.00137	0.03916	2.08712E-06	0.04617	2.45321E-06	0.00137
594008.73	4129398.15	2922.43071	0.00143	0.03894	2.07540E-06	0.04957	2.63387E-06	0.00143
594056.54	4129398.15	3024.89769	0.00148	0.03872	2.06367E-06	0.05325	2.82940E-06	0.00148
594104.35	4129398.15	3106.84561	0.00152	0.03849	2.05141E-06	0.05723	3.04087E-06	0.00152
594152.16	4129398.15	3163.25502	0.00154	0.03828	2.04022E-06	0.06152	3.26882E-06	0.00155
594199.97	4129398.15	3191.13432	0.00156	0.03809	2.03009E-06	0.06614	3.51430E-06	0.00156
594247.78	4129398.15	3190.51454	0.00156	0.03788	2.01890E-06	0.07110	3.77785E-06	0.00156
594295.59	4129398.15	3164.98988	0.00155	0.03759	2.00344E-06	0.07644	4.06158E-06	0.00155
594343.4	4129398.15	3120.47854	0.00152	0.03714	1.97946E-06	0.08218	4.36657E-06	0.00153
594391.21	4129398.15	3062.53181	0.00150	0.03648	1.94428E-06	0.08839	4.69654E-06	0.00150
594439.02	4129398.15	2990.52245	0.00146	0.03549	1.89152E-06	0.09514	5.05519E-06	0.00147
594486.83	4129398.15	2896.17219	0.00141	0.03430	1.82810E-06	0.10253	5.44786E-06	0.00142
594534.64	4129398.15	2772.22801	0.00135	0.03319	1.76894E-06	0.11063	5.87824E-06	0.00136
594582.45	4129398.15	2622.96093	0.00128	0.03256	1.73536E-06	0.11951	6.35008E-06	0.00129
594630.26	4129398.15	2478.42565	0.00121	0.03274	1.74495E-06	0.12926	6.86814E-06	0.00122
593913.11	4129432.41	2561.58837	0.00125	0.03712	1.97839E-06	0.04320	2.29540E-06	0.00125
593960.92	4129432.41	2665.18662	0.00130	0.03688	1.96560E-06	0.04625	2.45746E-06	0.00131
594008.73	4129432.41	2758.14131	0.00135	0.03664	1.95281E-06	0.04953	2.63174E-06	0.00135
594056.54	4129432.41	2834.28901	0.00138	0.03638	1.93895E-06	0.05307	2.81984E-06	0.00139
594104.35	4129432.41	2889.27554	0.00141	0.03611	1.92456E-06	0.05688	3.02228E-06	0.00142
594152.16	4129432.41	2920.98242	0.00143	0.03592	1.91444E-06	0.06096	3.23907E-06	0.00143
594199.97	4129432.41	2927.9826	0.00143	0.03575	1.90538E-06	0.06533	3.47126E-06	0.00143
594247.78	4129432.41	2912.20412	0.00142	0.03558	1.89632E-06	0.07001	3.71993E-06	0.00143
594295.59	4129432.41	2878.44793	0.00141	0.03532	1.88246E-06	0.07501	3.98560E-06	0.00141
594343.4	4129432.41	2833.16773	0.00138	0.03492	1.86114E-06	0.08039	4.27146E-06	0.00139
594391.21	4129432.41	2777.68373	0.00136	0.03423	1.82437E-06	0.08619	4.57964E-06	0.00136
594439.02	4129432.41	2710.36066	0.00132	0.03328	1.77373E-06	0.09249	4.91439E-06	0.00133

594486.83	4129432.41	2622.77144	0.00128	0.03217	1.71457E-06	0.09937	5.27995E-06	0.00129
594534.64	4129432.41	2507.0008	0.00122	0.03118	1.66181E-06	0.10689	5.67952E-06	0.00123
594582.45	4129432.41	2371.93398	0.00116	0.03066	1.63409E-06	0.11509	6.11522E-06	0.00117
594630.26	4129432.41	2244.86631	0.00110	0.03087	1.64529E-06	0.12406	6.59184E-06	0.00110
593913.11	4129466.67	2442.81842	0.00119	0.03508	1.86967E-06	0.04329	2.30018E-06	0.00120
593960.92	4129466.67	2526.01782	0.00123	0.03480	1.85475E-06	0.04624	2.45693E-06	0.00124
594008.73	4129466.67	2596.84074	0.00127	0.03452	1.83982E-06	0.04940	2.62483E-06	0.00127
594056.54	4129466.67	2650.6604	0.00129	0.03422	1.82383E-06	0.05279	2.80496E-06	0.00130
594104.35	4129466.67	2684.5211	0.00131	0.03398	1.81104E-06	0.05642	2.99784E-06	0.00132
594152.16	4129466.67	2697.2728	0.00132	0.03380	1.80145E-06	0.06029	3.20347E-06	0.00132
594199.97	4129466.67	2689.52079	0.00131	0.03367	1.79452E-06	0.06442	3.42291E-06	0.00132
594247.78	4129466.67	2664.41613	0.00130	0.03353	1.78706E-06	0.06882	3.65670E-06	0.00131
594295.59	4129466.67	2627.13499	0.00128	0.03329	1.77427E-06	0.07352	3.90643E-06	0.00129
594343.4	4129466.67	2582.61901	0.00126	0.03287	1.75188E-06	0.07856	4.17423E-06	0.00127
594391.21	4129466.67	2531.16316	0.00124	0.03220	1.71617E-06	0.08399	4.46275E-06	0.00124
594439.02	4129466.67	2468.93545	0.00121	0.03130	1.66820E-06	0.08987	4.77518E-06	0.00121
594486.83	4129466.67	2386.32586	0.00117	0.03026	1.61278E-06	0.09627	5.11524E-06	0.00117
594534.64	4129466.67	2278.49181	0.00111	0.02937	1.56534E-06	0.10325	5.48611E-06	0.00112
594582.45	4129466.67	2155.90879	0.00105	0.02894	1.54242E-06	0.11082	5.88834E-06	0.00106
594630.26	4129466.67	2043.86383	0.00100	0.02917	1.55468E-06	0.11906	6.32617E-06	0.00101
594331.14	4128962.5	10756.5275	0.00525	0.11187	5.96237E-06	0.08454	4.49197E-06	0.00526
594357.05	4128962.5	11696.34847	0.00571	0.11295	6.01993E-06	0.09134	4.85328E-06	0.00572
594382.96	4128962.5	12703.20211	0.00620	0.11373	6.06150E-06	0.09884	5.25179E-06	0.00621
594408.87	4128962.5	13767.09477	0.00672	0.11417	6.08495E-06	0.10721	5.69653E-06	0.00673
594434.78	4128962.5	14873.43966	0.00726	0.11424	6.08868E-06	0.11645	6.18749E-06	0.00727
594460.69	4128962.5	15997.35705	0.00781	0.11391	6.07109E-06	0.12673	6.73371E-06	0.00782
594486.6	4128962.5	17102.81083	0.00835	0.11313	6.02952E-06	0.13815	7.34050E-06	0.00836
594331.14	4129004.55	9999.18611	0.00488	0.09806	5.22633E-06	0.08685	4.61471E-06	0.00489
594357.05	4129004.55	10706.43463	0.00523	0.09834	5.24125E-06	0.09342	4.96380E-06	0.00524
594382.96	4129004.55	11430.70746	0.00558	0.09837	5.24285E-06	0.10064	5.34743E-06	0.00559
594408.87	4129004.55	12161.59794	0.00594	0.09814	5.23059E-06	0.10848	5.76401E-06	0.00595
594434.78	4129004.55	12871.48049	0.00628	0.09768	5.20608E-06	0.11716	6.22521E-06	0.00630
594460.69	4129004.55	13538.46813	0.00661	0.09694	5.16664E-06	0.12666	6.72999E-06	0.00662
594486.6	4129004.55	14131.55259	0.00690	0.09590	5.11212E-06	0.13704	7.28152E-06	0.00691
594331.14	4129046.6	9088.17566	0.00444	0.08620	4.59422E-06	0.08831	4.69229E-06	0.00445
594357.05	4129046.6	9587.92969	0.00468	0.08603	4.58516E-06	0.09456	5.02438E-06	0.00469
594382.96	4129046.6	10076.53702	0.00492	0.08569	4.56704E-06	0.10130	5.38250E-06	0.00493
594408.87	4129046.6	10534.37744	0.00514	0.08519	4.54039E-06	0.10867	5.77410E-06	0.00515
594434.78	4129046.6	10949.16801	0.00535	0.08452	4.50469E-06	0.11663	6.19705E-06	0.00536
594460.69	4129046.6	11301.60731	0.00552	0.08367	4.45938E-06	0.12526	6.65560E-06	0.00553
594486.6	4129046.6	11574.10466	0.00565	0.08260	4.40235E-06	0.13455	7.14922E-06	0.00566
594331.14	4129088.65	8128.57624	0.00397	0.07617	4.05965E-06	0.08902	4.73001E-06	0.00398
594357.05	4129088.65	8461.06336	0.00413	0.07580	4.03993E-06	0.09484	5.03925E-06	0.00414
594382.96	4129088.65	8762.1723	0.00428	0.07531	4.01382E-06	0.10114	5.37400E-06	0.00429
594408.87	4129088.65	9023.59971	0.00441	0.07472	3.98237E-06	0.10792	5.73425E-06	0.00442
594434.78	4129088.65	9236.5497	0.00451	0.07402	3.94506E-06	0.11517	6.11947E-06	0.00452
594460.69	4129088.65	9390.17347	0.00458	0.07316	3.89923E-06	0.12296	6.53339E-06	0.00459
594486.6	4129088.65	9477.97718	0.00463	0.07212	3.84380E-06	0.13129	6.97600E-06	0.00464
594331.14	4129130.7	7190.33109	0.00351	0.06774	3.61036E-06	0.08911	4.73480E-06	0.00352
594357.05	4129130.7	7391.18408	0.00361	0.06730	3.58691E-06	0.09455	5.02385E-06	0.00362
594382.96	4129130.7	7558.82749	0.00369	0.06679	3.55972E-06	0.10036	5.33256E-06	0.00370
594408.87	4129130.7	7687.45303	0.00375	0.06619	3.52775E-06	0.10655	5.66146E-06	0.00376
594434.78	4129130.7	7774.89251	0.00380	0.06551	3.49150E-06	0.11312	6.01055E-06	0.00381
594460.69	4129130.7	7814.39426	0.00382	0.06468	3.44727E-06	0.12014	6.38355E-06	0.00382
594486.6	4129130.7	7805.20078	0.00381	0.06368	3.39397E-06	0.12763	6.78153E-06	0.00382
595047.1	4127721.65	1204.3118	0.00059	0.25974	1.38434E-05	0.01305	6.93402E-07	0.00060
595080.55	4127721.65	1313.14356	0.00064	0.25017	1.33334E-05	0.01382	7.34316E-07	0.00066
595047.1	4127745.31	1303.88273	0.00064	0.27822	1.48284E-05	0.01374	7.30065E-07	0.00065
595080.55	4127745.31	1417.93573	0.00069	0.26643	1.42000E-05	0.01450	7.70447E-07	0.00071
595047.1	4127768.97	1410.72275	0.00069	0.29747	1.58543E-05	0.01442	7.66196E-07	0.00071
595080.55	4127768.97	1534.334	0.00075	0.28303	1.50847E-05	0.01525	8.10298E-07	0.00076
595047.1	4127792.63	1531.44199	0.00075	0.31724	1.69080E-05	0.01518	8.06578E-07	0.00077
595080.55	4127792.63	1667.23955	0.00081	0.29973	1.59748E-05	0.01609	8.54930E-07	0.00083
595047.1	4127816.29	1668.40726	0.00081	0.33721	1.79724E-05	0.01605	8.52805E-07	0.00083
595080.55	4127816.29	1813.94437	0.00089	0.31620	1.68526E-05	0.01701	9.03814E-07	0.00090
595047.1	4127839.95	1818.1303	0.00089	0.35691	1.90223E-05	0.01694	9.00095E-07	0.00091
595080.55	4127839.95	1978.03313	0.00097	0.33199	1.76942E-05	0.01801	9.56948E-07	0.00098
595047.1	4127863.61	1986.25787	0.00097	0.37575	2.00265E-05	0.01792	9.52166E-07	0.00099
595080.55	4127863.61	2164.25203	0.00106	0.34660	1.84728E-05	0.01914	1.01699E-06	0.00108
595047.1	4127887.27	2180.53189	0.00106	0.39305	2.09485E-05	0.01904	1.01168E-06	0.00109
595080.55	4127887.27	2368.39745	0.00116	0.35946	1.91582E-05	0.02032	1.07969E-06	0.00118
595047.1	4127910.93	2397.32441	0.00117	0.40804	2.17474E-05	0.02028	1.07756E-06	0.00119
595080.55	4127910.93	2601.8667	0.00127	0.37013	1.97269E-05	0.02182	1.15939E-06	0.00129
595047.1	4127934.59	2642.63382	0.00129	0.42012	2.23913E-05	0.02163	1.14929E-06	0.00131
595080.55	4127934.59	2860.29851	0.00140	0.37825	2.01597E-05	0.02334	1.24015E-06	0.00142
595047.1	4127958.25	2918.94014	0.00143	0.42893	2.28608E-05	0.02333	1.23962E-06	0.00145
595080.55	4127958.25	3151.49857	0.00154	0.38376	2.04534E-05	0.02496	1.32623E-06	0.00156

595047.1	4127981.91	3230.75931	0.00158	0.43446	2.31555E-05	0.02499	1.32783E-06	0.00160
595080.55	4127981.91	3480.02718	0.00170	0.38686	2.06186E-05	0.02678	1.42294E-06	0.00172
595047.1	4128005.57	3585.19424	0.00175	0.43717	2.33000E-05	0.02684	1.42612E-06	0.00178
595080.55	4128005.57	3851.21343	0.00188	0.38798	2.06783E-05	0.02892	1.53664E-06	0.00190
595047.1	4128029.23	3988.82857	0.00195	0.43768	2.33272E-05	0.02899	1.54036E-06	0.00197
595080.55	4128029.23	4270.92812	0.00209	0.38756	2.06559E-05	0.03132	1.66417E-06	0.00211
595047.1	4128052.89	4449.15124	0.00217	0.43657	2.32680E-05	0.03151	1.67426E-06	0.00220
595080.55	4128052.89	4745.99388	0.00232	0.38603	2.05743E-05	0.03392	1.80231E-06	0.00234
594886.23	4127719.27	732.95751	0.00036	0.28756	1.53262E-05	0.01016	5.39844E-07	0.00037
594950.74	4127719.27	905.39004	0.00044	0.27979	1.49120E-05	0.01117	5.93510E-07	0.00046
594886.23	4127747.71	797.68447	0.00039	0.32384	1.72598E-05	0.01072	5.69599E-07	0.00041
594950.74	4127747.71	990.89209	0.00048	0.31045	1.65461E-05	0.01181	6.27516E-07	0.00050
594886.23	4127776.15	870.20768	0.00042	0.36520	1.94642E-05	0.01128	5.99355E-07	0.00044
594950.74	4127776.15	1087.27179	0.00053	0.34432	1.83513E-05	0.01248	6.63116E-07	0.00055
594886.23	4127804.59	955.05308	0.00047	0.41202	2.19595E-05	0.01194	6.34423E-07	0.00049
594950.74	4127804.59	1199.00869	0.00059	0.38140	2.03276E-05	0.01323	7.02966E-07	0.00061
594886.23	4127833.03	1051.2182	0.00051	0.46530	2.47992E-05	0.01263	6.71086E-07	0.00054
594950.74	4127833.03	1326.08826	0.00065	0.42169	2.24749E-05	0.01406	7.47068E-07	0.00067
594886.23	4127861.47	1163.64174	0.00057	0.52555	2.80104E-05	0.01341	7.12531E-07	0.00060
594950.74	4127861.47	1471.00302	0.00072	0.46469	2.47667E-05	0.01494	7.93826E-07	0.00074
594886.23	4127889.91	1290.60276	0.00063	0.59333	3.16229E-05	0.01424	7.56632E-07	0.00066
594950.74	4127889.91	1643.50625	0.00080	0.50914	2.71358E-05	0.01597	8.48554E-07	0.00083
594886.23	4127918.35	1440.53068	0.00070	0.66756	3.55791E-05	0.01519	8.07110E-07	0.00074
594950.74	4127918.35	1842.60656	0.00090	0.55279	2.94622E-05	0.01711	9.09127E-07	0.00093
594834.46	4127713.69	599.42186	0.00029	0.28127	1.49909E-05	0.00918	4.87773E-07	0.00031
594862.34	4127713.69	662.24207	0.00032	0.28184	1.50213E-05	0.00952	5.05838E-07	0.00034
594834.46	4127736.34	638.39268	0.00031	0.31171	1.66133E-05	0.00956	5.07964E-07	0.00033
594862.34	4127736.34	707.45587	0.00035	0.31088	1.65691E-05	0.00996	5.29217E-07	0.00036
594834.46	4127758.99	681.3002	0.00033	0.34605	1.84435E-05	0.00998	5.30280E-07	0.00035
594862.34	4127758.99	757.48546	0.00037	0.34333	1.82986E-05	0.01059	5.62692E-07	0.00039
594834.46	4127781.64	729.50679	0.00036	0.38474	2.05056E-05	0.01062	5.64286E-07	0.00038
594862.34	4127781.64	811.14164	0.00040	0.37979	2.02418E-05	0.01102	5.85540E-07	0.00042
594834.46	4127804.29	781.187	0.00038	0.42879	2.28533E-05	0.01106	5.87665E-07	0.00040
594862.34	4127804.29	872.63459	0.00043	0.42037	2.24046E-05	0.01153	6.12638E-07	0.00045
594834.46	4127826.94	840.56372	0.00041	0.47848	2.55017E-05	0.01158	6.15295E-07	0.00044
594862.34	4127826.94	940.11449	0.00046	0.46593	2.48328E-05	0.01205	6.40268E-07	0.00048
594834.46	4127849.59	905.74028	0.00044	0.53521	2.85252E-05	0.01210	6.42925E-07	0.00047
594862.34	4127849.59	1014.2069	0.00050	0.51715	2.75627E-05	0.01259	6.68961E-07	0.00052
594834.46	4127872.24	977.32135	0.00048	0.60021	3.19896E-05	0.01265	6.72149E-07	0.00051
594862.34	4127872.24	1097.14452	0.00054	0.57453	3.06209E-05	0.01318	7.00310E-07	0.00057
594834.46	4127894.89	1057.50765	0.00052	0.67464	3.59565E-05	0.01325	7.04029E-07	0.00055
594862.34	4127894.89	1193.70695	0.00058	0.63839	3.40244E-05	0.01385	7.35910E-07	0.00062
594834.46	4127917.54	1151.1834	0.00056	0.75950	4.04793E-05	0.01393	7.40160E-07	0.00060
594862.34	4127917.54	1301.14574	0.00064	0.70922	3.77995E-05	0.01458	7.74698E-07	0.00067
595026.39	4127722.45	1142.84781	0.00056	0.26595	1.41744E-05	0.01266	6.72680E-07	0.00057
595026.39	4127759.08	1289.7481	0.00063	0.29734	1.58474E-05	0.01363	7.24220E-07	0.00065
595026.39	4127795.71	1464.03341	0.00071	0.33090	1.76361E-05	0.01476	7.84262E-07	0.00073
595026.39	4127832.34	1670.18243	0.00082	0.36561	1.94860E-05	0.01602	8.51211E-07	0.00084
595026.39	4127868.97	1917.42714	0.00094	0.39953	2.12939E-05	0.01748	9.28787E-07	0.00096
595026.39	4127905.6	2218.5195	0.00108	0.42979	2.29066E-05	0.01918	1.01912E-06	0.00111
595026.39	4127942.23	2581.26466	0.00126	0.45310	2.41490E-05	0.02116	1.12432E-06	0.00129
595026.39	4127978.86	3024.00357	0.00148	0.46741	2.49117E-05	0.02348	1.24759E-06	0.00150
595026.39	4128015.49	3565.04646	0.00174	0.47322	2.52213E-05	0.02646	1.40593E-06	0.00177
595026.39	4128052.12	4229.31319	0.00206	0.47302	2.52107E-05	0.02983	1.58500E-06	0.00209
594967.92	4128313.02	16541.43183	0.00808	0.53498	2.85130E-05	0.08094	4.30069E-06	0.00811
594989.44	4128313.02	16854.84939	0.00823	0.48047	2.56077E-05	0.08633	4.58708E-06	0.00826
595010.96	4128313.02	17025.58736	0.00831	0.43373	2.31166E-05	0.09160	4.86710E-06	0.00834
595032.48	4128313.02	17066.0073	0.00833	0.39322	2.09576E-05	0.09659	5.13224E-06	0.00836
595054	4128313.02	16990.30851	0.00829	0.35776	1.90676E-05	0.10117	5.37559E-06	0.00832
595075.52	4128313.02	16813.49288	0.00821	0.32649	1.74010E-05	0.10533	5.59663E-06	0.00823
594967.92	4128341.65	20102.8328	0.00981	0.51959	2.76927E-05	0.09620	5.11152E-06	0.00985
594989.44	4128341.65	20267.42794	0.00989	0.46610	2.48419E-05	0.10243	5.44254E-06	0.00992
595010.96	4128341.65	20261.44809	0.00989	0.42019	2.23950E-05	0.10838	5.75869E-06	0.00992
595032.48	4128341.65	20105.85178	0.00982	0.38037	2.02727E-05	0.11389	6.05146E-06	0.00984
595054	4128341.65	19822.2504	0.00968	0.34551	1.84147E-05	0.11884	6.31448E-06	0.00970
595075.52	4128341.65	19432.18478	0.00949	0.31479	1.67774E-05	0.12322	6.54721E-06	0.00951
594967.92	4128370.28	24513.55515	0.01197	0.50321	2.68197E-05	0.11569	6.14710E-06	0.01200
594989.44	4128370.28	24412.58535	0.01192	0.45082	2.40275E-05	0.12292	6.53127E-06	0.01195
595010.96	4128370.28	24117.51233	0.01177	0.40565	2.16200E-05	0.12954	6.88301E-06	0.01180
595032.48	4128370.28	23659.51281	0.01155	0.36627	1.95212E-05	0.13530	7.18907E-06	0.01158
595054	4128370.28	23072.67444	0.01126	0.33194	1.76915E-05	0.14051	7.46590E-06	0.01129
595075.52	4128370.28	22385.60466	0.01093	0.30183	1.60867E-05	0.14519	7.71457E-06	0.01095
594967.92	4128398.91	29921.98485	0.01461	0.48563	2.58828E-05	0.14086	7.48449E-06	0.01464
594989.44	4128398.91	29378.45114	0.01434	0.43390	2.31257E-05	0.14893	7.91329E-06	0.01437
595010.96	4128398.91	28637.15035	0.01398	0.38938	2.07529E-05	0.15614	8.29639E-06	0.01401
595032.48	4128398.91	27741.07095	0.01354	0.35072	1.86924E-05	0.16242	8.63007E-06	0.01357
595054	4128398.91	26729.61885	0.01305	0.31691	1.68904E-05	0.16773	8.91221E-06	0.01308

595075.52	4128398.91	25638.91294	0.01252	0.28728	1.53112E-05	0.17214	9.14653E-06	0.01254
594967.92	4128427.54	36442.06638	0.01779	0.46655	2.48658E-05	0.17554	9.32719E-06	0.01783
594989.44	4128427.54	35210.63185	0.01719	0.41460	2.20970E-05	0.18341	9.74536E-06	0.01722
595010.96	4128427.54	33815.69897	0.01651	0.37069	1.97568E-05	0.19087	1.01417E-05	0.01654
595032.48	4128427.54	32304.04015	0.01577	0.33259	1.77261E-05	0.19700	1.04675E-05	0.01580
595054	4128427.54	30724.25058	0.01500	0.29956	1.59657E-05	0.20193	1.07294E-05	0.01503
595075.52	4128427.54	29114.00551	0.01421	0.27079	1.44324E-05	0.20565	1.09271E-05	0.01424
595000.73	4128430.99	35205.57503	0.01719	0.38819	2.06895E-05	0.19233	1.02193E-05	0.01722
595032.09	4128430.99	32912.424	0.01607	0.33089	1.76355E-05	0.20173	1.07188E-05	0.01610
595063.45	4128430.99	30487.05172	0.01488	0.28428	1.51513E-05	0.20836	1.10711E-05	0.01491
595000.73	4128448.25	38907.37005	0.01899	0.37546	2.00110E-05	0.21995	1.16869E-05	0.01903
595032.09	4128448.25	35891.60055	0.01752	0.31856	1.69784E-05	0.22827	1.21290E-05	0.01755
595063.45	4128448.25	32848.31361	0.01604	0.27270	1.45342E-05	0.23390	1.24281E-05	0.01606
595000.73	4128465.51	42814.54276	0.02090	0.36143	1.92632E-05	0.25361	1.34754E-05	0.02093
595032.09	4128465.51	38966.57109	0.01902	0.30520	1.62663E-05	0.25918	1.37713E-05	0.01905
595063.45	4128465.51	35223.06874	0.01720	0.26033	1.38749E-05	0.26316	1.39828E-05	0.01722
595056.55	4128477.03	37709.55747	0.01841	0.26077	1.38983E-05	0.28426	1.51039E-05	0.01844
595097.42	4128477.03	32540.89955	0.01589	0.21417	1.14147E-05	0.28272	1.50221E-05	0.01591
595138.29	4128477.03	27935.99348	0.01364	0.17846	9.51143E-06	0.27763	1.47517E-05	0.01366
595056.55	4128506.38	41754.49939	0.02038	0.23755	1.26608E-05	0.35150	1.86767E-05	0.02042
595097.42	4128506.38	35119.54814	0.01715	0.19474	1.03791E-05	0.34023	1.80779E-05	0.01717
595138.29	4128506.38	29460.78009	0.01438	0.16208	8.63842E-06	0.32526	1.72825E-05	0.01441
595185.07	4128542.78	24098.20111	0.01176	0.11801	6.28961E-06	0.35917	1.90842E-05	0.01179
595200.24	4128542.78	22374.12096	0.01092	0.11159	5.94744E-06	0.34935	1.85625E-05	0.01095
595215.41	4128542.78	20783.01697	0.01015	0.10566	5.63139E-06	0.33992	1.80614E-05	0.01017
595230.58	4128542.78	19318.92178	0.00943	0.10028	5.34465E-06	0.33089	1.75816E-05	0.00945
595245.75	4128542.78	17972.54385	0.00877	0.09534	5.08136E-06	0.32239	1.71300E-05	0.00880
595260.92	4128542.78	16733.93174	0.00817	0.09079	4.83886E-06	0.31420	1.66948E-05	0.00819
595276.09	4128542.78	15594.51672	0.00761	0.08659	4.61501E-06	0.30639	1.62798E-05	0.00763
595291.26	4128542.78	14545.85546	0.00710	0.08271	4.40822E-06	0.29888	1.58808E-05	0.00712
595306.43	4128542.78	13580.11812	0.00663	0.07912	4.21688E-06	0.29156	1.54918E-05	0.00665
595321.6	4128542.78	12690.62415	0.00620	0.07577	4.03833E-06	0.28452	1.51178E-05	0.00621
595185.07	4128563.98	23622.66877	0.01153	0.10927	5.82379E-06	0.39103	2.07771E-05	0.01156
595200.24	4128563.98	21840.47853	0.01066	0.10371	5.52746E-06	0.37916	2.01464E-05	0.01069
595215.41	4128563.98	20198.0596	0.00986	0.09848	5.24872E-06	0.36771	1.95380E-05	0.00989
595230.58	4128563.98	18696.63614	0.00913	0.09352	4.98436E-06	0.35665	1.89503E-05	0.00915
595245.75	4128563.98	17326.28086	0.00846	0.08906	4.74666E-06	0.34636	1.84036E-05	0.00848
595260.92	4128563.98	16074.93778	0.00785	0.08494	4.52707E-06	0.33656	1.78829E-05	0.00787
595276.09	4128563.98	14931.91172	0.00729	0.08114	4.32454E-06	0.32730	1.73908E-05	0.00731
595291.26	4128563.98	13886.5965	0.00678	0.07757	4.13427E-06	0.31836	1.69158E-05	0.00680
595306.43	4128563.98	12930.42436	0.00631	0.07432	3.96105E-06	0.30992	1.64674E-05	0.00633
595321.6	4128563.98	12055.43104	0.00589	0.07133	3.80169E-06	0.30196	1.60444E-05	0.00591
595185.07	4128585.18	22758.27007	0.01111	0.10115	5.39102E-06	0.42368	2.25119E-05	0.01114
595200.24	4128585.18	20963.03566	0.01023	0.09631	5.13306E-06	0.40992	2.17808E-05	0.01026
595215.41	4128585.18	19314.43984	0.00943	0.09169	4.88683E-06	0.39643	2.10640E-05	0.00946
595230.58	4128585.18	17815.86469	0.00870	0.08740	4.65818E-06	0.38358	2.03812E-05	0.00872
595245.75	4128585.18	16455.63903	0.00803	0.08329	4.43913E-06	0.37114	1.97203E-05	0.00806
595260.92	4128585.18	15221.56636	0.00743	0.07953	4.23873E-06	0.35953	1.91034E-05	0.00745
595276.09	4128585.18	14101.78812	0.00688	0.07610	4.05592E-06	0.34877	1.85316E-05	0.00691
595291.26	4128585.18	13084.14242	0.00639	0.07291	3.88590E-06	0.33865	1.79939E-05	0.00641
595306.43	4128585.18	12158.65802	0.00594	0.06996	3.72868E-06	0.32903	1.74828E-05	0.00596
595321.6	4128585.18	11316.54041	0.00552	0.06725	3.58424E-06	0.31999	1.70024E-05	0.00555
595185.07	4128606.38	21488.6272	0.01049	0.09348	4.98223E-06	0.45680	2.42717E-05	0.01052
595200.24	4128606.38	19727.39454	0.00963	0.08927	4.75785E-06	0.44114	2.34397E-05	0.00966
595215.41	4128606.38	18130.16873	0.00885	0.08527	4.54466E-06	0.42605	2.26379E-05	0.00888
595230.58	4128606.38	16689.0506	0.00815	0.08155	4.34639E-06	0.41162	2.18711E-05	0.00817
595245.75	4128606.38	15386.342	0.00751	0.07808	4.16145E-06	0.39759	2.11257E-05	0.00754



# 1410 South Bascom Avenue Project

2022

No Mitigation

At Sensitive Receptors

## Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec):	4.12646E-07
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec):	4.51009E-05
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec):	4.49630E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00137	0.05879	2.65148E-06	0.03891	1.74951E-06	0.00138
593960.92	4129158.33	3639.06634	0.00150	0.05999	2.70560E-06	0.04232	1.90283E-06	0.00151
594008.73	4129158.33	3982.44153	0.00164	0.06107	2.75431E-06	0.04616	2.07549E-06	0.00165
594056.54	4129158.33	4355.83729	0.00180	0.06204	2.79806E-06	0.05049	2.27018E-06	0.00180
594104.35	4129158.33	4754.1984	0.00196	0.06287	2.83549E-06	0.05540	2.49095E-06	0.00197
594152.16	4129158.33	5171.19628	0.00213	0.06352	2.86481E-06	0.06096	2.74094E-06	0.00214
594199.97	4129158.33	5594.53203	0.00231	0.06388	2.88105E-06	0.06725	3.02376E-06	0.00231
594247.78	4129158.33	6004.09246	0.00248	0.06386	2.88014E-06	0.07437	3.34390E-06	0.00248
594295.59	4129158.33	6373.51698	0.00263	0.06345	2.86165E-06	0.08239	3.70450E-06	0.00264
594343.4	4129158.33	6674.07426	0.00275	0.06275	2.83008E-06	0.09131	4.10557E-06	0.00276
594391.21	4129158.33	6873.62872	0.00284	0.06185	2.78949E-06	0.10136	4.55745E-06	0.00284
594439.02	4129158.33	6951.56549	0.00287	0.06065	2.73537E-06	0.11262	5.06373E-06	0.00288
594486.83	4129158.33	6904.49051	0.00285	0.05898	2.66005E-06	0.12517	5.62801E-06	0.00286
594534.64	4129158.33	6727.25386	0.00278	0.05686	2.56444E-06	0.13927	6.26199E-06	0.00278
594582.45	4129158.33	6415.33047	0.00265	0.05494	2.47784E-06	0.15543	6.98859E-06	0.00266
594630.26	4129158.33	6008.16583	0.00248	0.05443	2.45484E-06	0.17405	7.82580E-06	0.00249
593913.11	4129192.59	3270.19406	0.00135	0.05557	2.50626E-06	0.03989	1.79357E-06	0.00135
593960.92	4129192.59	3555.71462	0.00147	0.05649	2.54775E-06	0.04330	1.94690E-06	0.00147
594008.73	4129192.59	3863.7514	0.00159	0.05727	2.58293E-06	0.04710	2.11776E-06	0.00160
594056.54	4129192.59	4191.06421	0.00173	0.05791	2.61179E-06	0.05139	2.31065E-06	0.00173
594104.35	4129192.59	4533.29631	0.00187	0.05844	2.63570E-06	0.05623	2.52827E-06	0.00188
594152.16	4129192.59	4880.00864	0.00201	0.05879	2.65148E-06	0.06166	2.77242E-06	0.00202
594199.97	4129192.59	5217.3588	0.00215	0.05890	2.65644E-06	0.06775	3.04624E-06	0.00216
594247.78	4129192.59	5526.09506	0.00228	0.05871	2.64787E-06	0.07458	3.35334E-06	0.00229
594295.59	4129192.59	5783.66201	0.00239	0.05823	2.62623E-06	0.08220	3.69596E-06	0.00239
594343.4	4129192.59	5967.64393	0.00246	0.05754	2.59511E-06	0.09067	4.07679E-06	0.00247
594391.21	4129192.59	6063.44808	0.00250	0.05668	2.55632E-06	0.10005	4.49854E-06	0.00251
594439.02	4129192.59	6063.30313	0.00250	0.05553	2.50445E-06	0.11042	4.96481E-06	0.00251
594486.83	4129192.59	5968.23517	0.00246	0.05391	2.43139E-06	0.12199	5.48503E-06	0.00247
594534.64	4129192.59	5779.52334	0.00238	0.05194	2.34254E-06	0.13496	6.06820E-06	0.00239
594582.45	4129192.59	5495.75797	0.00227	0.05029	2.26812E-06	0.14963	6.72781E-06	0.00228
594630.26	4129192.59	5152.86778	0.00213	0.04996	2.25324E-06	0.16629	7.47689E-06	0.00214
593913.11	4129226.85	3196.35742	0.00132	0.05249	2.36735E-06	0.04073	1.83134E-06	0.00132
593960.92	4129226.85	3454.53449	0.00143	0.05317	2.39801E-06	0.04413	1.98422E-06	0.00143
594008.73	4129226.85	3726.98995	0.00154	0.05368	2.42102E-06	0.04787	2.15238E-06	0.00154
594056.54	4129226.85	4010.32013	0.00165	0.05400	2.43545E-06	0.05210	2.34257E-06	0.00166
594104.35	4129226.85	4298.33572	0.00177	0.05428	2.44808E-06	0.05684	2.55570E-06	0.00178
594152.16	4129226.85	4579.67319	0.00189	0.05442	2.45439E-06	0.06212	2.79310E-06	0.00190
594199.97	4129226.85	4840.4703	0.00200	0.05437	2.45214E-06	0.06800	3.05748E-06	0.00200
594247.78	4129226.85	5063.63373	0.00209	0.05409	2.43951E-06	0.07452	3.35064E-06	0.00210
594295.59	4129226.85	5231.96273	0.00216	0.05360	2.41741E-06	0.08174	3.67527E-06	0.00217
594343.4	4129226.85	5331.45972	0.00220	0.05294	2.38764E-06	0.08970	4.03318E-06	0.00221
594391.21	4129226.85	5357.84087	0.00221	0.05221	2.35472E-06	0.09845	4.42660E-06	0.00222
594439.02	4129226.85	5312.73141	0.00219	0.05109	2.30420E-06	0.10809	4.86005E-06	0.00220
594486.83	4129226.85	5198.54687	0.00215	0.04952	2.23340E-06	0.11878	5.34070E-06	0.00215
594534.64	4129226.85	5014.19751	0.00207	0.04770	2.15131E-06	0.13071	5.87711E-06	0.00208
594582.45	4129226.85	4758.88666	0.00196	0.04628	2.08727E-06	0.14412	6.48006E-06	0.00197
594630.26	4129226.85	4464.94665	0.00184	0.04609	2.07870E-06	0.15928	7.16170E-06	0.00185
593913.11	4129261.11	3108.59307	0.00128	0.04951	2.23295E-06	0.04137	1.86012E-06	0.00129
593960.92	4129261.11	3338.75679	0.00138	0.04996	2.25324E-06	0.04475	2.01209E-06	0.00138
594008.73	4129261.11	3577.63236	0.00148	0.05028	2.26767E-06	0.04849	2.18025E-06	0.00148
594056.54	4129261.11	3819.32836	0.00158	0.05044	2.27489E-06	0.05264	2.36685E-06	0.00158
594104.35	4129261.11	4055.99067	0.00167	0.05053	2.27895E-06	0.05726	2.57458E-06	0.00168
594152.16	4129261.11	4278.26507	0.00177	0.05051	2.27805E-06	0.06237	2.80434E-06	0.00177
594199.97	4129261.11	4472.72286	0.00185	0.05036	2.27128E-06	0.06801	3.05793E-06	0.00185
594247.78	4129261.11	4625.61491	0.00191	0.05004	2.25685E-06	0.07422	3.33715E-06	0.00191
594295.59	4129261.11	4725.17221	0.00195	0.04958	2.23610E-06	0.08103	3.64335E-06	0.00196
594343.4	4129261.11	4765.32585	0.00197	0.04898	2.20904E-06	0.08850	3.97922E-06	0.00197
594391.21	4129261.11	4748.49589	0.00196	0.04821	2.17431E-06	0.09665	4.34567E-06	0.00197
594439.02	4129261.11	4680.08371	0.00193	0.04719	2.12831E-06	0.10561	4.74854E-06	0.00194
594486.83	4129261.11	4562.2956	0.00188	0.04569	2.06066E-06	0.11555	5.19547E-06	0.00189
594534.64	4129261.11	4390.15529	0.00181	0.04402	1.98534E-06	0.12654	5.68961E-06	0.00182
594582.45	4129261.11	4161.01157	0.00172	0.04279	1.92987E-06	0.13885	6.24311E-06	0.00173

594630.26	4129261.11	3907.88439	0.00161	0.04272	1.92671E-06	0.15267	6.86450E-06	0.00162
593913.11	4129295.37	3010.96052	0.00124	0.04670	2.10621E-06	0.04195	1.88620E-06	0.00125
593960.92	4129295.37	3213.77375	0.00133	0.04697	2.11839E-06	0.04528	2.03592E-06	0.00133
594008.73	4129295.37	3419.17377	0.00141	0.04711	2.12470E-06	0.04896	2.20139E-06	0.00142
594056.54	4129295.37	3621.2328	0.00149	0.04714	2.12606E-06	0.05302	2.38394E-06	0.00150
594104.35	4129295.37	3812.02748	0.00157	0.04707	2.12290E-06	0.05749	2.58492E-06	0.00158
594152.16	4129295.37	3982.19231	0.00164	0.04695	2.11749E-06	0.06241	2.80614E-06	0.00165
594199.97	4129295.37	4120.70662	0.00170	0.04675	2.10847E-06	0.06780	3.04849E-06	0.00171
594247.78	4129295.37	4217.62612	0.00174	0.04644	2.09449E-06	0.07369	3.31332E-06	0.00175
594295.59	4129295.37	4266.54886	0.00176	0.04602	2.07554E-06	0.08011	3.60198E-06	0.00177
594343.4	4129295.37	4267.09931	0.00176	0.04547	2.05074E-06	0.08711	3.91672E-06	0.00177
594391.21	4129295.37	4225.56372	0.00174	0.04476	2.01872E-06	0.09472	4.25889E-06	0.00175
594439.02	4129295.37	4147.26724	0.00171	0.04372	1.97181E-06	0.10305	4.63343E-06	0.00172
594486.83	4129295.37	4032.65954	0.00166	0.04231	1.90822E-06	0.11224	5.04664E-06	0.00167
594534.64	4129295.37	3873.56733	0.00160	0.04079	1.83967E-06	0.12243	5.50482E-06	0.00161
594582.45	4129295.37	3668.65647	0.00151	0.03974	1.79231E-06	0.13374	6.01335E-06	0.00152
594630.26	4129295.37	3451.22474	0.00142	0.03976	1.79321E-06	0.14635	6.58033E-06	0.00143
593913.11	4129329.63	2905.61573	0.00120	0.04408	1.98805E-06	0.04242	1.90733E-06	0.00120
593960.92	4129329.63	3081.42339	0.00127	0.04420	1.99346E-06	0.04569	2.05436E-06	0.00128
594008.73	4129329.63	3255.30194	0.00134	0.04417	1.99211E-06	0.04929	2.21622E-06	0.00135
594056.54	4129329.63	3420.98604	0.00141	0.04408	1.98805E-06	0.05324	2.39383E-06	0.00142
594104.35	4129329.63	3570.71664	0.00147	0.04394	1.98173E-06	0.05755	2.58762E-06	0.00148
594152.16	4129329.63	3695.11204	0.00152	0.04376	1.97362E-06	0.06227	2.79984E-06	0.00153
594199.97	4129329.63	3787.66027	0.00156	0.04354	1.96369E-06	0.06741	3.03095E-06	0.00157
594247.78	4129329.63	3841.94439	0.00159	0.04326	1.95106E-06	0.07298	3.28140E-06	0.00159
594295.59	4129329.63	3855.72439	0.00159	0.04290	1.93483E-06	0.07902	3.55297E-06	0.00160
594343.4	4129329.63	3831.60712	0.00158	0.04239	1.91183E-06	0.08557	3.84748E-06	0.00159
594391.21	4129329.63	3776.7637	0.00156	0.04166	1.87890E-06	0.09268	4.16717E-06	0.00156
594439.02	4129329.63	3697.76168	0.00153	0.04066	1.83380E-06	0.10044	4.51608E-06	0.00153
594486.83	4129329.63	3589.50583	0.00148	0.03933	1.77382E-06	0.10898	4.90006E-06	0.00149
594534.64	4129329.63	3443.27012	0.00142	0.03794	1.71113E-06	0.11840	5.32362E-06	0.00143
594582.45	4129329.63	3259.89454	0.00135	0.03706	1.67144E-06	0.12883	5.79258E-06	0.00135
594630.26	4129329.63	3070.55961	0.00127	0.03714	1.67505E-06	0.14040	6.31280E-06	0.00128
593913.11	4129363.89	2794.24888	0.00115	0.04161	1.87665E-06	0.04278	1.92352E-06	0.00116
593960.92	4129363.89	2944.73706	0.00122	0.04157	1.87484E-06	0.04599	2.06785E-06	0.00122
594008.73	4129363.89	3088.82511	0.00127	0.04146	1.86988E-06	0.04949	2.22522E-06	0.00128
594056.54	4129363.89	3220.72969	0.00133	0.04127	1.86131E-06	0.05331	2.39698E-06	0.00133
594104.35	4129363.89	3333.93858	0.00138	0.04107	1.85229E-06	0.05746	2.58357E-06	0.00138
594152.16	4129363.89	3421.32	0.00141	0.04087	1.84327E-06	0.06197	2.78636E-06	0.00142
594199.97	4129363.89	3477.31754	0.00143	0.04065	1.83335E-06	0.06684	3.00532E-06	0.00144
594247.78	4129363.89	3499.23104	0.00144	0.04041	1.82253E-06	0.07211	3.24228E-06	0.00145
594295.59	4129363.89	3488.52755	0.00144	0.04008	1.80764E-06	0.07779	3.49767E-06	0.00144
594343.4	4129363.89	3450.45043	0.00142	0.03960	1.78600E-06	0.08392	3.77329E-06	0.00143
594391.21	4129363.89	3393.04883	0.00140	0.03894	1.75623E-06	0.09056	4.07185E-06	0.00141
594439.02	4129363.89	3315.33438	0.00137	0.03792	1.71023E-06	0.09780	4.39738E-06	0.00137
594486.83	4129363.89	3215.0033	0.00133	0.03667	1.65385E-06	0.10573	4.75393E-06	0.00133
594534.64	4129363.89	3079.84599	0.00127	0.03543	1.59792E-06	0.11446	5.14646E-06	0.00128
594582.45	4129363.89	2914.79667	0.00120	0.03469	1.56455E-06	0.12409	5.57945E-06	0.00121
594630.26	4129363.89	2749.90437	0.00113	0.03483	1.57086E-06	0.13471	6.05696E-06	0.00114
593913.11	4129398.15	2679.16588	0.00111	0.03929	1.77201E-06	0.04304	1.93521E-06	0.00111
593960.92	4129398.15	2805.71598	0.00116	0.03916	1.76615E-06	0.04617	2.07594E-06	0.00116
594008.73	4129398.15	2922.43071	0.00121	0.03894	1.75623E-06	0.04957	2.22881E-06	0.00121
594056.54	4129398.15	3024.89769	0.00125	0.03872	1.74631E-06	0.05325	2.39428E-06	0.00125
594104.35	4129398.15	3106.84561	0.00128	0.03849	1.73593E-06	0.05723	2.57323E-06	0.00129
594152.16	4129398.15	3163.25502	0.00131	0.03828	1.72646E-06	0.06152	2.76612E-06	0.00131
594199.97	4129398.15	3191.13432	0.00132	0.03809	1.71789E-06	0.06614	2.97385E-06	0.00132
594247.78	4129398.15	3190.51454	0.00132	0.03788	1.70842E-06	0.07110	3.19687E-06	0.00132
594295.59	4129398.15	3164.98988	0.00131	0.03759	1.69534E-06	0.07644	3.43697E-06	0.00131
594343.4	4129398.15	3120.47854	0.00129	0.03714	1.67505E-06	0.08218	3.69506E-06	0.00129
594391.21	4129398.15	3062.53181	0.00126	0.03648	1.64528E-06	0.08839	3.97428E-06	0.00127
594439.02	4129398.15	2990.52245	0.00123	0.03549	1.60063E-06	0.09514	4.27778E-06	0.00124
594486.83	4129398.15	2896.17219	0.00120	0.03430	1.54696E-06	0.10253	4.61005E-06	0.00120
594534.64	4129398.15	2772.22801	0.00114	0.03319	1.49690E-06	0.11063	4.97425E-06	0.00115
594582.45	4129398.15	2622.96093	0.00108	0.03256	1.46849E-06	0.11951	5.37352E-06	0.00109
594630.26	4129398.15	2478.42565	0.00102	0.03274	1.47660E-06	0.12926	5.81191E-06	0.00103
593913.11	4129432.41	2561.58837	0.00106	0.03712	1.67415E-06	0.04320	1.94240E-06	0.00106
593960.92	4129432.41	2665.18662	0.00110	0.03688	1.66332E-06	0.04625	2.07954E-06	0.00110
594008.73	4129432.41	2758.14131	0.00114	0.03664	1.65250E-06	0.04953	2.22702E-06	0.00114
594056.54	4129432.41	2834.28901	0.00117	0.03638	1.64077E-06	0.05307	2.38618E-06	0.00117
594104.35	4129432.41	2889.27554	0.00119	0.03611	1.62859E-06	0.05688	2.55749E-06	0.00120
594152.16	4129432.41	2920.98242	0.00121	0.03592	1.62002E-06	0.06096	2.74094E-06	0.00121
594199.97	4129432.41	2927.9826	0.00121	0.03575	1.61236E-06	0.06533	2.93743E-06	0.00121
594247.78	4129432.41	2912.20412	0.00120	0.03558	1.60469E-06	0.07001	3.14786E-06	0.00121
594295.59	4129432.41	2878.44793	0.00119	0.03532	1.59296E-06	0.07501	3.37267E-06	0.00119
594343.4	4129432.41	2833.16773	0.00117	0.03492	1.57492E-06	0.08039	3.61457E-06	0.00117
594391.21	4129432.41	2777.68373	0.00115	0.03423	1.54380E-06	0.08619	3.87536E-06	0.00115
594439.02	4129432.41	2710.36066	0.00112	0.03328	1.50096E-06	0.09249	4.15862E-06	0.00112

594486.83	4129432.41	2622.77144	0.00108	0.03217	1.45090E-06	0.09937	4.46797E-06	0.00109
594534.64	4129432.41	2507.0008	0.00103	0.03118	1.40625E-06	0.10689	4.80609E-06	0.00104
594582.45	4129432.41	2371.93398	0.00098	0.03066	1.38279E-06	0.11509	5.17479E-06	0.00099
594630.26	4129432.41	2244.86631	0.00093	0.03087	1.39226E-06	0.12406	5.57811E-06	0.00093
593913.11	4129466.67	2442.81842	0.00101	0.03508	1.58214E-06	0.04329	1.94645E-06	0.00101
593906.92	4129466.67	2526.01782	0.00104	0.03480	1.56951E-06	0.04624	2.07909E-06	0.00105
594008.73	4129466.67	2596.84074	0.00107	0.03452	1.55688E-06	0.04940	2.22117E-06	0.00108
594056.54	4129466.67	2650.6604	0.00109	0.03422	1.54335E-06	0.05279	2.37360E-06	0.00110
594104.35	4129466.67	2684.5211	0.00111	0.03398	1.53253E-06	0.05642	2.53681E-06	0.00111
594152.16	4129466.67	2697.2728	0.00111	0.03380	1.52441E-06	0.06029	2.71082E-06	0.00112
594199.97	4129466.67	2689.52079	0.00111	0.03367	1.51855E-06	0.06442	2.89651E-06	0.00111
594247.78	4129466.67	2664.41613	0.00110	0.03353	1.51223E-06	0.06882	3.09435E-06	0.00110
594295.59	4129466.67	2627.13499	0.00108	0.03329	1.50141E-06	0.07352	3.30568E-06	0.00109
594343.4	4129466.67	2582.61901	0.00107	0.03287	1.48247E-06	0.07856	3.53229E-06	0.00107
594391.21	4129466.67	2531.16316	0.00104	0.03220	1.45225E-06	0.08399	3.77644E-06	0.00105
594439.02	4129466.67	2468.93545	0.00102	0.03130	1.41166E-06	0.08987	4.04082E-06	0.00102
594486.83	4129466.67	2386.32586	0.00098	0.03026	1.36475E-06	0.09627	4.32858E-06	0.00099
594534.64	4129466.67	2278.49181	0.00094	0.02937	1.32461E-06	0.10325	4.64243E-06	0.00095
594582.45	4129466.67	2155.90879	0.00089	0.02894	1.30522E-06	0.11082	4.98280E-06	0.00090
594630.26	4129466.67	2043.86383	0.00084	0.02917	1.31559E-06	0.11906	5.35329E-06	0.00085
594331.14	4128962.5	10756.5275	0.00444	0.11187	5.04544E-06	0.08454	3.80117E-06	0.00445
594357.05	4128962.5	11696.34847	0.00483	0.11295	5.09415E-06	0.09134	4.10692E-06	0.00484
594382.96	4128962.5	12703.20211	0.00524	0.11373	5.12933E-06	0.09884	4.44414E-06	0.00525
594408.87	4128962.5	13767.09477	0.00568	0.11417	5.14917E-06	0.10721	4.82048E-06	0.00569
594434.78	4128962.5	14873.43966	0.00614	0.11424	5.15233E-06	0.11645	5.23594E-06	0.00615
594460.69	4128962.5	15997.35705	0.00660	0.11391	5.13744E-06	0.12673	5.69816E-06	0.00661
594486.6	4128962.5	17102.81083	0.00706	0.11313	5.10226E-06	0.13815	6.21163E-06	0.00707
594331.14	4129004.55	9999.18611	0.00413	0.09806	4.42259E-06	0.08685	3.90503E-06	0.00413
594357.05	4129004.55	10706.43463	0.00442	0.09834	4.43522E-06	0.09342	4.20044E-06	0.00443
594382.96	4129004.55	11430.70746	0.00472	0.09837	4.43658E-06	0.10064	4.52507E-06	0.00473
594408.87	4129004.55	12161.59794	0.00502	0.09814	4.42620E-06	0.10848	4.87758E-06	0.00503
594434.78	4129004.55	12871.48049	0.00531	0.09768	4.40546E-06	0.11716	5.26786E-06	0.00532
594460.69	4129004.55	13538.46813	0.00559	0.09694	4.37208E-06	0.12666	5.69501E-06	0.00560
594486.6	4129004.55	14131.55259	0.00583	0.09590	4.32518E-06	0.13704	6.16173E-06	0.00584
594331.14	4129046.6	9088.17566	0.00375	0.08620	3.88770E-06	0.08831	3.97068E-06	0.00376
594357.05	4129046.6	9587.92969	0.00396	0.08603	3.88003E-06	0.09456	4.25170E-06	0.00396
594382.96	4129046.6	10076.53702	0.00416	0.08569	3.86470E-06	0.10130	4.55475E-06	0.00417
594408.87	4129046.6	10534.37744	0.00435	0.08519	3.84215E-06	0.10867	4.88613E-06	0.00436
594434.78	4129046.6	10949.16801	0.00452	0.08452	3.81193E-06	0.11663	5.24403E-06	0.00453
594460.69	4129046.6	11301.60731	0.00466	0.08367	3.77359E-06	0.12526	5.63206E-06	0.00467
594486.6	4129046.6	11574.10466	0.00478	0.08260	3.72533E-06	0.13455	6.04977E-06	0.00479
594331.14	4129088.65	8128.57624	0.00335	0.07617	3.43534E-06	0.08902	4.00260E-06	0.00336
594357.05	4129088.65	8461.06336	0.00349	0.07580	3.41865E-06	0.09484	4.26429E-06	0.00350
594382.96	4129088.65	8762.1723	0.00362	0.07531	3.39655E-06	0.10114	4.54755E-06	0.00362
594408.87	4129088.65	9023.59971	0.00372	0.07472	3.36994E-06	0.10792	4.85240E-06	0.00373
594434.78	4129088.65	9236.5497	0.00381	0.07402	3.33837E-06	0.11517	5.17838E-06	0.00382
594460.69	4129088.65	9390.17347	0.00387	0.07316	3.29958E-06	0.12296	5.52865E-06	0.00388
594486.6	4129088.65	9477.97718	0.00391	0.07212	3.25268E-06	0.13129	5.90319E-06	0.00392
594331.14	4129130.7	7190.33109	0.00297	0.06774	3.05513E-06	0.08911	4.00665E-06	0.00297
594357.05	4129130.7	7391.18408	0.00305	0.06730	3.03529E-06	0.09455	4.25125E-06	0.00306
594382.96	4129130.7	7558.82749	0.00312	0.06679	3.01229E-06	0.10036	4.51248E-06	0.00313
594408.87	4129130.7	7687.45303	0.00317	0.06619	2.98523E-06	0.10655	4.79080E-06	0.00318
594434.78	4129130.7	7774.89251	0.00321	0.06551	2.95456E-06	0.11312	5.08621E-06	0.00322
594460.69	4129130.7	7814.39426	0.00322	0.06468	2.91713E-06	0.12014	5.40185E-06	0.00323
594486.6	4129130.7	7805.20078	0.00322	0.06368	2.87203E-06	0.12763	5.73862E-06	0.00323
595047.1	4127721.65	1204.3118	0.00050	0.25974	1.17145E-05	0.01305	5.86767E-07	0.00051
595080.55	4127721.65	1313.14356	0.00054	0.25017	1.12829E-05	0.01382	6.21388E-07	0.00055
595047.1	4127745.31	1303.88273	0.00054	0.27822	1.25480E-05	0.01374	6.17791E-07	0.00055
595080.55	4127745.31	1417.93573	0.00059	0.26643	1.20162E-05	0.01450	6.51963E-07	0.00060
595047.1	4127768.97	1410.72275	0.00058	0.29747	1.34162E-05	0.01442	6.48366E-07	0.00060
595080.55	4127768.97	1534.334	0.00063	0.28303	1.27649E-05	0.01525	6.85685E-07	0.00065
595047.1	4127792.63	1531.44199	0.00063	0.31724	1.43078E-05	0.01518	6.82538E-07	0.00065
595080.55	4127792.63	1667.23955	0.00069	0.29973	1.35181E-05	0.01609	7.23454E-07	0.00070
595047.1	4127816.29	1668.40726	0.00069	0.33721	1.52085E-05	0.01605	7.21656E-07	0.00070
595080.55	4127816.29	1813.94437	0.00075	0.31620	1.42609E-05	0.01701	7.64820E-07	0.00076
595047.1	4127839.95	1818.1303	0.00075	0.35691	1.60970E-05	0.01694	7.61673E-07	0.00077
595080.55	4127839.95	1978.03313	0.00082	0.33199	1.49730E-05	0.01801	8.09783E-07	0.00083
595047.1	4127863.61	1986.25787	0.00082	0.37575	1.69467E-05	0.01792	8.05736E-07	0.00084
595080.55	4127863.61	2164.25203	0.00089	0.34660	1.56320E-05	0.01914	8.60591E-07	0.00091
595047.1	4127887.27	2180.53189	0.00090	0.39305	1.77269E-05	0.01904	8.56095E-07	0.00092
595080.55	4127887.27	2368.39745	0.00098	0.35946	1.62120E-05	0.02032	9.13647E-07	0.00099
595047.1	4127910.93	2397.32441	0.00099	0.40804	1.84030E-05	0.02028	9.11849E-07	0.00101
595080.55	4127910.93	2601.8667	0.00107	0.37013	1.66932E-05	0.02182	9.81092E-07	0.00109
595047.1	4127934.59	2642.63382	0.00109	0.42012	1.89478E-05	0.02163	9.72549E-07	0.00111
595080.55	4127934.59	2860.29851	0.00118	0.37825	1.70594E-05	0.02334	1.04944E-06	0.00120
595047.1	4127958.25	2918.94014	0.00120	0.42893	1.93451E-05	0.02333	1.04899E-06	0.00122
595080.55	4127958.25	3151.49857	0.00130	0.38376	1.73079E-05	0.02496	1.12228E-06	0.00132

595047.1	4127981.91	3230.75931	0.00133	0.43446	1.95945E-05	0.02499	1.12362E-06	0.00135
595080.55	4127981.91	3480.02718	0.00144	0.38686	1.74477E-05	0.02678	1.20411E-06	0.00145
595047.1	4128005.57	3585.19424	0.00148	0.43717	1.97168E-05	0.02684	1.20681E-06	0.00150
595080.55	4128005.57	3851.21343	0.00159	0.38798	1.74982E-05	0.02892	1.30033E-06	0.00161
595047.1	4128029.23	3988.82857	0.00165	0.43768	1.97398E-05	0.02899	1.30348E-06	0.00167
595080.55	4128029.23	4270.92812	0.00176	0.38756	1.74793E-05	0.03132	1.40824E-06	0.00178
595047.1	4128052.89	4449.15124	0.00184	0.43657	1.96897E-05	0.03151	1.41678E-06	0.00186
595080.55	4128052.89	4745.99388	0.00196	0.38603	1.74103E-05	0.03392	1.52514E-06	0.00198
594886.23	4127719.27	732.95751	0.00030	0.28756	1.29692E-05	0.01016	4.56824E-07	0.00032
594950.74	4127719.27	905.39004	0.00037	0.27979	1.26188E-05	0.01117	5.02236E-07	0.00039
594886.23	4127747.71	797.68447	0.00033	0.32384	1.46055E-05	0.01072	4.82003E-07	0.00034
594950.74	4127747.71	990.89209	0.00041	0.31045	1.40016E-05	0.01181	5.31013E-07	0.00042
594886.23	4127776.15	870.20768	0.00036	0.36520	1.64708E-05	0.01128	5.07182E-07	0.00038
594950.74	4127776.15	1087.27179	0.00045	0.34432	1.55291E-05	0.01248	5.61138E-07	0.00046
594886.23	4127804.59	955.05308	0.00039	0.41202	1.85825E-05	0.01194	5.36858E-07	0.00041
594950.74	4127804.59	1199.00869	0.00049	0.38140	1.72015E-05	0.01323	5.94860E-07	0.00051
594886.23	4127833.03	1051.2182	0.00043	0.46530	2.09854E-05	0.01263	5.67882E-07	0.00046
594950.74	4127833.03	1326.08826	0.00055	0.42169	1.90186E-05	0.01406	6.32179E-07	0.00057
594886.23	4127861.47	1163.64174	0.00048	0.52555	2.37028E-05	0.01341	6.02953E-07	0.00050
594950.74	4127861.47	1471.00302	0.00061	0.46469	2.09579E-05	0.01494	6.71747E-07	0.00063
594886.23	4127889.91	1290.60276	0.00053	0.59333	2.67597E-05	0.01424	6.40273E-07	0.00056
594950.74	4127889.91	1643.50625	0.00068	0.50914	2.29627E-05	0.01597	7.18059E-07	0.00070
594886.23	4127918.35	1440.53068	0.00059	0.66756	3.01076E-05	0.01519	6.82987E-07	0.00063
594950.74	4127918.35	1842.60656	0.00076	0.55279	2.49313E-05	0.01711	7.69316E-07	0.00079
594834.46	4127713.69	599.42186	0.00025	0.28127	1.26855E-05	0.00918	4.12760E-07	0.00026
594862.34	4127713.69	662.24207	0.00027	0.28184	1.27112E-05	0.00952	4.28047E-07	0.00029
594834.46	4127736.34	638.39268	0.00026	0.31171	1.40584E-05	0.00956	4.29846E-07	0.00028
594862.34	4127736.34	707.45587	0.00029	0.31088	1.40210E-05	0.00996	4.47831E-07	0.00031
594834.46	4127758.99	681.3002	0.00028	0.34605	1.56072E-05	0.00998	4.48730E-07	0.00030
594862.34	4127758.99	757.48546	0.00031	0.34333	1.54845E-05	0.01059	4.76158E-07	0.00033
594834.46	4127781.64	729.50679	0.00030	0.38474	1.73521E-05	0.01062	4.77507E-07	0.00032
594862.34	4127781.64	811.14164	0.00033	0.37979	1.71289E-05	0.01102	4.95492E-07	0.00035
594834.46	4127804.29	781.187	0.00032	0.42879	1.93388E-05	0.01106	4.97290E-07	0.00034
594862.34	4127804.29	872.63459	0.00036	0.42037	1.89591E-05	0.01153	5.18423E-07	0.00038
594834.46	4127826.94	840.56372	0.00035	0.47848	2.15799E-05	0.01158	5.20671E-07	0.00037
594862.34	4127826.94	940.11449	0.00039	0.46593	2.10139E-05	0.01205	5.41804E-07	0.00041
594834.46	4127849.59	905.74028	0.00037	0.53521	2.41385E-05	0.01210	5.44052E-07	0.00040
594862.34	4127849.59	1014.2069	0.00042	0.51715	2.33239E-05	0.01259	5.66084E-07	0.00044
594834.46	4127872.24	977.32135	0.00040	0.60021	2.70700E-05	0.01265	5.68782E-07	0.00043
594862.34	4127872.24	1097.14452	0.00045	0.57453	2.59118E-05	0.01318	5.92612E-07	0.00048
594834.46	4127894.89	1057.50765	0.00044	0.67464	3.04269E-05	0.01325	5.95759E-07	0.00047
594862.34	4127894.89	1193.70695	0.00049	0.63839	2.87920E-05	0.01385	6.22737E-07	0.00052
594834.46	4127917.54	1151.1834	0.00048	0.75950	3.42541E-05	0.01393	6.26334E-07	0.00051
594862.34	4127917.54	1301.14574	0.00054	0.70922	3.19865E-05	0.01458	6.55560E-07	0.00057
595026.39	4127722.45	1142.84781	0.00047	0.26595	1.19946E-05	0.01266	5.69231E-07	0.00048
595026.39	4127759.08	1289.7481	0.00053	0.29734	1.34103E-05	0.01363	6.12845E-07	0.00055
595026.39	4127795.71	1464.03341	0.00060	0.33090	1.49239E-05	0.01476	6.63653E-07	0.00062
595026.39	4127832.34	1670.18243	0.00069	0.36561	1.64893E-05	0.01602	7.20307E-07	0.00071
595026.39	4127868.97	1917.42714	0.00079	0.39953	1.80192E-05	0.01748	7.85953E-07	0.00081
595026.39	4127905.6	2218.5195	0.00092	0.42979	1.93839E-05	0.01918	8.62390E-07	0.00094
595026.39	4127942.23	2581.26466	0.00107	0.45310	2.04352E-05	0.02116	9.51416E-07	0.00109
595026.39	4127978.86	3024.00357	0.00125	0.46741	2.10806E-05	0.02348	1.05573E-06	0.00127
595026.39	4128015.49	3565.04646	0.00147	0.47322	2.13426E-05	0.02646	1.18972E-06	0.00149
595026.39	4128052.12	4229.31319	0.00175	0.47302	2.13336E-05	0.02983	1.34125E-06	0.00177
594967.92	4128313.02	16541.43183	0.00683	0.53498	2.41281E-05	0.08094	3.63930E-06	0.00685
594989.44	4128313.02	16854.84939	0.00696	0.48047	2.16696E-05	0.08633	3.88165E-06	0.00698
595010.96	4128313.02	17025.58736	0.00703	0.43373	1.95616E-05	0.09160	4.11861E-06	0.00705
595032.48	4128313.02	17066.0073	0.00704	0.39322	1.77346E-05	0.09659	4.34297E-06	0.00706
595054	4128313.02	16990.30851	0.00701	0.35776	1.61353E-05	0.10117	4.54890E-06	0.00703
595075.52	4128313.02	16813.49288	0.00694	0.32649	1.47250E-05	0.10533	4.73595E-06	0.00696
594967.92	4128341.65	20102.8328	0.00830	0.51959	2.34340E-05	0.09620	4.32544E-06	0.00832
594989.44	4128341.65	20267.42794	0.00836	0.46610	2.10215E-05	0.10243	4.60556E-06	0.00839
595010.96	4128341.65	20261.44809	0.00836	0.42019	1.89509E-05	0.10838	4.87309E-06	0.00838
595032.48	4128341.65	20105.85178	0.00830	0.38037	1.71550E-05	0.11389	5.12083E-06	0.00832
595054	4128341.65	19822.2504	0.00818	0.34551	1.55828E-05	0.11884	5.34340E-06	0.00820
595075.52	4128341.65	19432.18478	0.00802	0.31479	1.41973E-05	0.12322	5.54034E-06	0.00804
594967.92	4128370.28	24513.55515	0.01012	0.50321	2.26952E-05	0.11569	5.20177E-06	0.01014
594989.44	4128370.28	24412.58535	0.01007	0.45082	2.03324E-05	0.12292	5.52685E-06	0.01010
595010.96	4128370.28	24117.51233	0.00995	0.40565	1.82952E-05	0.12954	5.82450E-06	0.00998
595032.48	4128370.28	23659.51281	0.00976	0.36627	1.65191E-05	0.13530	6.08349E-06	0.00979
595054	4128370.28	23072.67444	0.00952	0.33194	1.49708E-05	0.14051	6.31775E-06	0.00954
595075.52	4128370.28	22385.60466	0.00924	0.30183	1.36128E-05	0.14519	6.52817E-06	0.00926
594967.92	4128398.91	29921.98485	0.01235	0.48563	2.19023E-05	0.14086	6.33348E-06	0.01238
594989.44	4128398.91	29378.45114	0.01212	0.43390	1.95693E-05	0.14893	6.69633E-06	0.01215
595010.96	4128398.91	28637.15035	0.01182	0.38938	1.75614E-05	0.15614	7.02052E-06	0.01184
595032.48	4128398.91	27741.07095	0.01145	0.35072	1.58178E-05	0.16242	7.30289E-06	0.01147
595054	4128398.91	26729.61885	0.01103	0.31691	1.42929E-05	0.16773	7.54164E-06	0.01105

595075.52	4128398.91	25638.91294	0.01058	0.28728	1.29566E-05	0.17214	7.73993E-06	0.01060
594967.92	4128427.54	36442.06638	0.01504	0.46655	2.10418E-05	0.17554	7.89280E-06	0.01507
594989.44	4128427.54	35210.63185	0.01453	0.41460	1.86988E-05	0.18341	8.24666E-06	0.01456
595010.96	4128427.54	33815.69897	0.01395	0.37069	1.67185E-05	0.19087	8.58208E-06	0.01398
595032.48	4128427.54	32304.04015	0.01333	0.33259	1.50001E-05	0.19700	8.85770E-06	0.01335
595054	4128427.54	30724.25058	0.01268	0.29956	1.35104E-05	0.20193	9.07937E-06	0.01270
595075.52	4128427.54	29114.00551	0.01201	0.27079	1.22129E-05	0.20565	9.24663E-06	0.01204
595000.73	4128430.99	35205.57503	0.01453	0.38819	1.75077E-05	0.19233	8.64773E-06	0.01455
595032.09	4128430.99	32912.424	0.01358	0.33089	1.49234E-05	0.20173	9.07038E-06	0.01361
595063.45	4128430.99	30487.05172	0.01258	0.28428	1.28213E-05	0.20836	9.36848E-06	0.01260
595000.73	4128448.25	38907.37005	0.01605	0.37546	1.69336E-05	0.21995	9.88960E-06	0.01608
595032.09	4128448.25	35891.60055	0.01481	0.31856	1.43673E-05	0.22827	1.02637E-05	0.01484
595063.45	4128448.25	32848.31361	0.01355	0.27270	1.22990E-05	0.23390	1.05168E-05	0.01358
595000.73	4128465.51	42814.54276	0.01767	0.36143	1.63008E-05	0.25361	1.14031E-05	0.01769
595032.09	4128465.51	38966.57109	0.01608	0.30520	1.37648E-05	0.25918	1.16535E-05	0.01610
595063.45	4128465.51	35223.06874	0.01453	0.26033	1.17411E-05	0.26316	1.18325E-05	0.01456
595056.55	4128477.03	37709.55747	0.01556	0.26077	1.17610E-05	0.28426	1.27812E-05	0.01559
595097.42	4128477.03	32540.89955	0.01343	0.21417	9.65926E-06	0.28272	1.27119E-05	0.01345
595138.29	4128477.03	27935.99348	0.01153	0.17846	8.04871E-06	0.27763	1.24831E-05	0.01155
595056.55	4128506.38	41754.49939	0.01723	0.23755	1.07137E-05	0.35150	1.58045E-05	0.01726
595097.42	4128506.38	35119.54814	0.01449	0.19474	8.78295E-06	0.34023	1.52978E-05	0.01452
595138.29	4128506.38	29460.78009	0.01216	0.16208	7.30995E-06	0.32526	1.46247E-05	0.01218
595185.07	4128542.78	24098.20111	0.00994	0.11801	5.32236E-06	0.35917	1.61493E-05	0.00997
595200.24	4128542.78	22374.12096	0.00923	0.11159	5.03281E-06	0.34935	1.57078E-05	0.00925
595215.41	4128542.78	20783.01697	0.00858	0.10566	4.76536E-06	0.33992	1.52838E-05	0.00860
595230.58	4128542.78	19318.92178	0.00797	0.10028	4.52272E-06	0.33089	1.48778E-05	0.00799
595245.75	4128542.78	17972.54385	0.00742	0.09534	4.29992E-06	0.32239	1.44956E-05	0.00744
595260.92	4128542.78	16733.93174	0.00691	0.09079	4.09471E-06	0.31420	1.41274E-05	0.00692
595276.09	4128542.78	15594.51672	0.00644	0.08659	3.90529E-06	0.30639	1.37762E-05	0.00645
595291.26	4128542.78	14545.85546	0.00600	0.08271	3.73030E-06	0.29888	1.34385E-05	0.00602
595306.43	4128542.78	13580.11812	0.00560	0.07912	3.56838E-06	0.29156	1.31094E-05	0.00562
595321.6	4128542.78	12690.62415	0.00524	0.07577	3.41729E-06	0.28452	1.27929E-05	0.00525
595185.07	4128563.98	23622.66877	0.00975	0.10927	4.92818E-06	0.39103	1.75819E-05	0.00977
595200.24	4128563.98	21840.47853	0.00901	0.10371	4.67741E-06	0.37916	1.70482E-05	0.00903
595215.41	4128563.98	20198.0596	0.00833	0.09848	4.44154E-06	0.36771	1.65333E-05	0.00836
595230.58	4128563.98	18696.63614	0.00772	0.09352	4.21784E-06	0.35665	1.60360E-05	0.00774
595245.75	4128563.98	17326.28086	0.00715	0.08906	4.01669E-06	0.34636	1.55734E-05	0.00717
595260.92	4128563.98	16074.93778	0.00663	0.08494	3.83087E-06	0.33656	1.51327E-05	0.00665
595276.09	4128563.98	14931.91172	0.00616	0.08114	3.65949E-06	0.32730	1.47164E-05	0.00618
595291.26	4128563.98	13886.5965	0.00573	0.07757	3.49848E-06	0.31836	1.43144E-05	0.00575
595306.43	4128563.98	12930.42436	0.00534	0.07432	3.35190E-06	0.30992	1.39349E-05	0.00535
595321.6	4128563.98	12055.43104	0.00497	0.07133	3.21705E-06	0.30196	1.35770E-05	0.00499
595185.07	4128585.18	22758.27007	0.00939	0.10115	4.56196E-06	0.42368	1.90499E-05	0.00941
595200.24	4128585.18	20963.03566	0.00865	0.09631	4.34367E-06	0.40992	1.84312E-05	0.00867
595215.41	4128585.18	19314.43984	0.00797	0.09169	4.13530E-06	0.39643	1.78247E-05	0.00799
595230.58	4128585.18	17815.86469	0.00735	0.08740	3.94182E-06	0.38358	1.72469E-05	0.00737
595245.75	4128585.18	16455.63903	0.00679	0.08329	3.75645E-06	0.37114	1.66876E-05	0.00681
595260.92	4128585.18	15221.56636	0.00628	0.07953	3.58687E-06	0.35953	1.61655E-05	0.00630
595276.09	4128585.18	14101.78812	0.00582	0.07610	3.43218E-06	0.34877	1.56817E-05	0.00584
595291.26	4128585.18	13084.14242	0.00540	0.07291	3.28831E-06	0.33865	1.52267E-05	0.00542
595306.43	4128585.18	12158.65802	0.00502	0.06996	3.15526E-06	0.32903	1.47942E-05	0.00504
595321.6	4128585.18	11316.54041	0.00467	0.06725	3.03304E-06	0.31999	1.43877E-05	0.00469
595185.07	4128606.38	21488.6272	0.00887	0.09348	4.21603E-06	0.45680	2.05391E-05	0.00889
595200.24	4128606.38	19727.39454	0.00814	0.08927	4.02616E-06	0.44114	1.98350E-05	0.00816
595215.41	4128606.38	18130.16873	0.00748	0.08527	3.84575E-06	0.42605	1.91565E-05	0.00750
595230.58	4128606.38	16689.0506	0.00689	0.08155	3.67798E-06	0.41162	1.85077E-05	0.00691
595245.75	4128606.38	15386.342	0.00635	0.07808	3.52148E-06	0.39759	1.78768E-05	0.00637

## 1410 South Bascom Avenue Project

### Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

**Cancer Potency Factor:** 1.1 (mg/kg-day)<sup>-1</sup>  
**Exposure Frequency** 350 days/year  
**Averaging Period** 25550 days

Year	Unit DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) <sup>-1</sup>
3rd Trimester	1	10	361	0.85	0.25	11.6
1	1	10	1090	0.85	1	139.6
2	1	10	1090	0.85	1	139.6
3	1	3	572	0.72	0.21	3.9

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**No Mitigation at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM - Infant Receptors**

X (m)	Y (m)	Infant Cancer	Infant Cancer	Infant Cancer	Infant Cancer	Total Cancer Risk (/million)	Maximum Cancer Risk 51.5 BAAQMD threshold of significance 10 Exceed thresholds? Yes
		Risk (3rd Trimester) 2020 (/million)	Risk (year 1) 2020 (/million)	Risk (year 2) 2021 (/million)	Risk (year 3) 2022 (/million)		
593913.11	4129158.33	0.029	0.352	0.227	0.005	0.61414	
593960.92	4129158.33	0.032	0.385	0.249	0.006	0.67194	
594008.73	4129158.33	0.035	0.422	0.272	0.006	0.73528	
594056.54	4129158.33	0.038	0.461	0.298	0.007	0.80414	
594104.35	4129158.33	0.042	0.503	0.325	0.008	0.87762	
594152.16	4129158.33	0.045	0.547	0.353	0.008	0.95453	
594199.97	4129158.33	0.049	0.592	0.382	0.009	1.03262	
594247.78	4129158.33	0.053	0.636	0.410	0.010	1.10818	
594295.59	4129158.33	0.056	0.675	0.435	0.010	1.17635	
594343.4	4129158.33	0.058	0.706	0.456	0.011	1.23185	
594391.21	4129158.33	0.060	0.728	0.470	0.011	1.26875	
594439.02	4129158.33	0.061	0.736	0.475	0.011	1.28325	
594486.83	4129158.33	0.061	0.731	0.472	0.011	1.27474	
594534.64	4129158.33	0.059	0.712	0.460	0.011	1.24227	
594582.45	4129158.33	0.056	0.679	0.439	0.010	1.18502	
594630.26	4129158.33	0.053	0.637	0.411	0.010	1.11028	
593913.11	4129192.59	0.029	0.346	0.224	0.005	0.60389	
593960.92	4129192.59	0.031	0.376	0.243	0.006	0.65655	
594008.73	4129192.59	0.034	0.409	0.264	0.006	0.71337	
594056.54	4129192.59	0.037	0.444	0.286	0.007	0.77374	
594104.35	4129192.59	0.040	0.480	0.310	0.007	0.83687	
594152.16	4129192.59	0.043	0.517	0.334	0.008	0.90083	
594199.97	4129192.59	0.046	0.552	0.357	0.009	0.96307	
594247.78	4129192.59	0.048	0.585	0.378	0.009	1.02005	
594295.59	4129192.59	0.051	0.612	0.395	0.009	1.06760	
594343.4	4129192.59	0.052	0.632	0.408	0.010	1.10162	
594391.21	4129192.59	0.053	0.642	0.414	0.010	1.11939	
594439.02	4129192.59	0.053	0.642	0.414	0.010	1.11950	
594486.83	4129192.59	0.052	0.632	0.408	0.010	1.10214	
594534.64	4129192.59	0.051	0.612	0.395	0.009	1.06754	
594582.45	4129192.59	0.048	0.582	0.376	0.009	1.01545	
594630.26	4129192.59	0.045	0.546	0.353	0.008	0.95253	
593913.11	4129226.85	0.028	0.338	0.219	0.005	0.59025	
593960.92	4129226.85	0.030	0.366	0.236	0.006	0.63787	
594008.73	4129226.85	0.033	0.395	0.255	0.006	0.68813	

594056.54	4129226.85	0.035	0.425	0.274	0.007	0.74040
594104.35	4129226.85	0.038	0.455	0.294	0.007	0.79353
594152.16	4129226.85	0.040	0.485	0.313	0.007	0.84544
594199.97	4129226.85	0.042	0.512	0.331	0.008	0.89357
594247.78	4129226.85	0.044	0.536	0.346	0.008	0.93478
594295.59	4129226.85	0.046	0.554	0.358	0.009	0.96589
594343.4	4129226.85	0.047	0.564	0.364	0.009	0.98433
594391.21	4129226.85	0.047	0.567	0.366	0.009	0.98931
594439.02	4129226.85	0.047	0.563	0.363	0.009	0.98113
594486.83	4129226.85	0.046	0.551	0.356	0.008	0.96023
594534.64	4129226.85	0.044	0.531	0.343	0.008	0.92642
594582.45	4129226.85	0.042	0.504	0.326	0.008	0.87956
594630.26	4129226.85	0.039	0.473	0.306	0.007	0.82563
593913.11	4129261.11	0.027	0.329	0.213	0.005	0.57405
593960.92	4129261.11	0.029	0.354	0.228	0.005	0.61651
594008.73	4129261.11	0.031	0.379	0.245	0.006	0.66057
594056.54	4129261.11	0.033	0.404	0.261	0.006	0.70516
594104.35	4129261.11	0.036	0.429	0.277	0.007	0.74883
594152.16	4129261.11	0.038	0.453	0.292	0.007	0.78986
594199.97	4129261.11	0.039	0.474	0.306	0.007	0.82577
594247.78	4129261.11	0.041	0.490	0.316	0.008	0.85402
594295.59	4129261.11	0.041	0.500	0.323	0.008	0.87246
594343.4	4129261.11	0.042	0.505	0.326	0.008	0.87996
594391.21	4129261.11	0.042	0.503	0.325	0.008	0.87697
594439.02	4129261.11	0.041	0.496	0.320	0.008	0.86448
594486.83	4129261.11	0.040	0.483	0.312	0.007	0.84291
594534.64	4129261.11	0.039	0.465	0.300	0.007	0.81133
594582.45	4129261.11	0.037	0.441	0.285	0.007	0.76929
594630.26	4129261.11	0.034	0.414	0.268	0.006	0.72286
593913.11	4129295.37	0.026	0.319	0.206	0.005	0.55603
593960.92	4129295.37	0.028	0.340	0.220	0.005	0.59344
594008.73	4129295.37	0.030	0.362	0.234	0.006	0.63134
594056.54	4129295.37	0.032	0.383	0.248	0.006	0.66863
594104.35	4129295.37	0.033	0.404	0.261	0.006	0.70384
594152.16	4129295.37	0.035	0.422	0.272	0.006	0.73526
594199.97	4129295.37	0.036	0.436	0.282	0.007	0.76086
594247.78	4129295.37	0.037	0.447	0.288	0.007	0.77880
594295.59	4129295.37	0.037	0.452	0.292	0.007	0.78790
594343.4	4129295.37	0.037	0.452	0.292	0.007	0.78810
594391.21	4129295.37	0.037	0.448	0.289	0.007	0.78055
594439.02	4129295.37	0.036	0.439	0.284	0.007	0.76623
594486.83	4129295.37	0.035	0.427	0.276	0.007	0.74523
594534.64	4129295.37	0.034	0.411	0.265	0.006	0.71606
594582.45	4129295.37	0.032	0.389	0.251	0.006	0.67846



594630.26	4129295.37	0.030	0.366	0.237	0.006	0.63859
593913.11	4129329.63	0.025	0.308	0.199	0.005	0.53659
593960.92	4129329.63	0.027	0.326	0.211	0.005	0.56903
594008.73	4129329.63	0.029	0.345	0.223	0.005	0.60111
594056.54	4129329.63	0.030	0.362	0.234	0.006	0.63169
594104.35	4129329.63	0.031	0.378	0.244	0.006	0.65934
594152.16	4129329.63	0.032	0.391	0.253	0.006	0.68232
594199.97	4129329.63	0.033	0.401	0.259	0.006	0.69945
594247.78	4129329.63	0.034	0.407	0.263	0.006	0.70953
594295.59	4129329.63	0.034	0.408	0.264	0.006	0.71215
594343.4	4129329.63	0.034	0.406	0.262	0.006	0.70780
594391.21	4129329.63	0.033	0.400	0.258	0.006	0.69779
594439.02	4129329.63	0.032	0.392	0.253	0.006	0.68334
594486.83	4129329.63	0.031	0.380	0.246	0.006	0.66350
594534.64	4129329.63	0.030	0.365	0.236	0.006	0.63668
594582.45	4129329.63	0.029	0.346	0.223	0.005	0.60304
594630.26	4129329.63	0.027	0.326	0.211	0.005	0.56833
593913.11	4129363.89	0.025	0.296	0.191	0.005	0.51604
593960.92	4129363.89	0.026	0.312	0.201	0.005	0.54381
594008.73	4129363.89	0.027	0.327	0.211	0.005	0.57040
594056.54	4129363.89	0.028	0.341	0.220	0.005	0.59476
594104.35	4129363.89	0.029	0.353	0.228	0.005	0.61567
594152.16	4129363.89	0.030	0.362	0.234	0.006	0.63184
594199.97	4129363.89	0.030	0.368	0.238	0.006	0.64222
594247.78	4129363.89	0.031	0.371	0.239	0.006	0.64633
594295.59	4129363.89	0.031	0.370	0.239	0.006	0.64444
594343.4	4129363.89	0.030	0.366	0.236	0.006	0.63751
594391.21	4129363.89	0.030	0.359	0.232	0.006	0.62703
594439.02	4129363.89	0.029	0.351	0.227	0.005	0.61280
594486.83	4129363.89	0.028	0.341	0.220	0.005	0.59442
594534.64	4129363.89	0.027	0.327	0.211	0.005	0.56963
594582.45	4129363.89	0.026	0.309	0.200	0.005	0.53936
594630.26	4129363.89	0.024	0.292	0.189	0.004	0.50914
593913.11	4129398.15	0.023	0.284	0.183	0.004	0.49481
593960.92	4129398.15	0.025	0.297	0.192	0.005	0.51816
594008.73	4129398.15	0.026	0.309	0.200	0.005	0.53971
594056.54	4129398.15	0.027	0.320	0.207	0.005	0.55864
594104.35	4129398.15	0.027	0.329	0.212	0.005	0.57380
594152.16	4129398.15	0.028	0.335	0.216	0.005	0.58425
594199.97	4129398.15	0.028	0.338	0.218	0.005	0.58945
594247.78	4129398.15	0.028	0.338	0.218	0.005	0.58941
594295.59	4129398.15	0.028	0.335	0.217	0.005	0.58478
594343.4	4129398.15	0.027	0.331	0.214	0.005	0.57666
594391.21	4129398.15	0.027	0.325	0.210	0.005	0.56607

594439.02	4129398.15	0.026	0.317	0.205	0.005	0.55289
594486.83	4129398.15	0.025	0.307	0.198	0.005	0.53560
594534.64	4129398.15	0.024	0.294	0.190	0.005	0.51287
594582.45	4129398.15	0.023	0.278	0.180	0.004	0.48549
594630.26	4129398.15	0.022	0.263	0.170	0.004	0.45902
593913.11	4129432.41	0.022	0.271	0.175	0.004	0.47311
593960.92	4129432.41	0.023	0.282	0.182	0.004	0.49224
594008.73	4129432.41	0.024	0.292	0.189	0.004	0.50941
594056.54	4129432.41	0.025	0.300	0.194	0.005	0.52349
594104.35	4129432.41	0.025	0.306	0.198	0.005	0.53367
594152.16	4129432.41	0.026	0.309	0.200	0.005	0.53957
594199.97	4129432.41	0.026	0.310	0.200	0.005	0.54092
594247.78	4129432.41	0.026	0.309	0.199	0.005	0.53809
594295.59	4129432.41	0.025	0.305	0.197	0.005	0.53194
594343.4	4129432.41	0.025	0.300	0.194	0.005	0.52367
594391.21	4129432.41	0.024	0.294	0.190	0.005	0.51352
594439.02	4129432.41	0.024	0.287	0.186	0.004	0.50120
594486.83	4129432.41	0.023	0.278	0.180	0.004	0.48515
594534.64	4129432.41	0.022	0.266	0.172	0.004	0.46392
594582.45	4129432.41	0.021	0.252	0.163	0.004	0.43915
594630.26	4129432.41	0.020	0.238	0.154	0.004	0.41588
593913.11	4129466.67	0.021	0.259	0.167	0.004	0.45120
593960.92	4129466.67	0.022	0.268	0.173	0.004	0.46657
594008.73	4129466.67	0.023	0.275	0.178	0.004	0.47966
594056.54	4129466.67	0.023	0.281	0.181	0.004	0.48962
594104.35	4129466.67	0.024	0.284	0.184	0.004	0.49591
594152.16	4129466.67	0.024	0.286	0.185	0.004	0.49832
594199.97	4129466.67	0.024	0.285	0.184	0.004	0.49695
594247.78	4129466.67	0.023	0.282	0.182	0.004	0.49239
594295.59	4129466.67	0.023	0.278	0.180	0.004	0.48559
594343.4	4129466.67	0.023	0.274	0.177	0.004	0.47745
594391.21	4129466.67	0.022	0.268	0.173	0.004	0.46805
594439.02	4129466.67	0.022	0.262	0.169	0.004	0.45666
594486.83	4129466.67	0.021	0.253	0.164	0.004	0.44152
594534.64	4129466.67	0.020	0.242	0.156	0.004	0.42174
594582.45	4129466.67	0.019	0.229	0.148	0.004	0.39927
594630.26	4129466.67	0.018	0.217	0.140	0.003	0.37875
594331.14	4128962.5	0.094	1.138	0.735	0.018	1.98458
594357.05	4128962.5	0.102	1.238	0.799	0.019	2.15783
594382.96	4128962.5	0.111	1.344	0.867	0.021	2.34345
594408.87	4128962.5	0.121	1.457	0.940	0.022	2.53957
594434.78	4128962.5	0.130	1.574	1.015	0.024	2.74353
594460.69	4128962.5	0.140	1.692	1.092	0.026	2.95073
594486.6	4128962.5	0.150	1.809	1.168	0.028	3.15455

594331.14	4129004.55	0.088	1.058	0.683	0.016	1.84488
594357.05	4129004.55	0.094	1.133	0.731	0.017	1.97528
594382.96	4129004.55	0.100	1.209	0.781	0.019	2.10882
594408.87	4129004.55	0.107	1.287	0.830	0.020	2.24358
594434.78	4129004.55	0.113	1.362	0.879	0.021	2.37448
594460.69	4129004.55	0.119	1.432	0.924	0.022	2.49749
594486.6	4129004.55	0.124	1.495	0.965	0.023	2.60689
594331.14	4129046.6	0.080	0.962	0.621	0.015	1.67689
594357.05	4129046.6	0.084	1.015	0.655	0.016	1.76905
594382.96	4129046.6	0.088	1.066	0.688	0.016	1.85916
594408.87	4129046.6	0.092	1.115	0.719	0.017	1.94361
594434.78	4129046.6	0.096	1.159	0.748	0.018	2.02013
594460.69	4129046.6	0.099	1.196	0.772	0.018	2.08518
594486.6	4129046.6	0.101	1.225	0.790	0.019	2.13550
594331.14	4129088.65	0.071	0.860	0.555	0.013	1.49997
594357.05	4129088.65	0.074	0.895	0.578	0.014	1.56130
594382.96	4129088.65	0.077	0.927	0.599	0.014	1.61686
594408.87	4129088.65	0.079	0.955	0.616	0.015	1.66512
594434.78	4129088.65	0.081	0.978	0.631	0.015	1.70445
594460.69	4129088.65	0.082	0.994	0.641	0.015	1.73285
594486.6	4129088.65	0.083	1.003	0.648	0.015	1.74914
594331.14	4129130.7	0.063	0.761	0.491	0.012	1.32700
594357.05	4129130.7	0.065	0.782	0.505	0.012	1.36407
594382.96	4129130.7	0.066	0.800	0.516	0.012	1.39504
594408.87	4129130.7	0.067	0.814	0.525	0.013	1.41882
594434.78	4129130.7	0.068	0.823	0.531	0.013	1.43501
594460.69	4129130.7	0.068	0.827	0.534	0.013	1.44238
594486.6	4129130.7	0.068	0.826	0.533	0.013	1.44079
595047.1	4127721.65	0.011	0.129	0.084	0.002	0.22596
595080.55	4127721.65	0.012	0.141	0.091	0.002	0.24588
595047.1	4127745.31	0.012	0.140	0.091	0.002	0.24459
595080.55	4127745.31	0.013	0.152	0.099	0.002	0.26544
595047.1	4127768.97	0.013	0.151	0.098	0.002	0.26457
595080.55	4127768.97	0.014	0.164	0.107	0.003	0.28714
595047.1	4127792.63	0.014	0.164	0.107	0.003	0.28712
595080.55	4127792.63	0.015	0.178	0.116	0.003	0.31189
595047.1	4127816.29	0.015	0.179	0.116	0.003	0.31266
595080.55	4127816.29	0.016	0.194	0.126	0.003	0.33917
595047.1	4127839.95	0.016	0.195	0.127	0.003	0.34056
595080.55	4127839.95	0.018	0.211	0.137	0.003	0.36966
595047.1	4127863.61	0.018	0.213	0.138	0.003	0.37183
595080.55	4127863.61	0.019	0.231	0.150	0.004	0.40420
595047.1	4127887.27	0.019	0.233	0.152	0.004	0.40789
595080.55	4127887.27	0.021	0.253	0.164	0.004	0.44202

595047.1	4127910.93	0.021	0.256	0.167	0.004	0.44808
595080.55	4127910.93	0.023	0.278	0.180	0.004	0.48521
595047.1	4127934.59	0.023	0.282	0.183	0.004	0.49347
595080.55	4127934.59	0.025	0.305	0.198	0.005	0.53297
595047.1	4127958.25	0.026	0.312	0.202	0.005	0.54453
595080.55	4127958.25	0.028	0.336	0.218	0.005	0.58672
595047.1	4127981.91	0.029	0.345	0.224	0.005	0.60208
595080.55	4127981.91	0.031	0.371	0.240	0.006	0.64732
595047.1	4128005.57	0.032	0.382	0.248	0.006	0.66745
595080.55	4128005.57	0.034	0.410	0.266	0.006	0.71575
595047.1	4128029.23	0.035	0.425	0.275	0.007	0.74185
595080.55	4128029.23	0.038	0.454	0.294	0.007	0.79310
595047.1	4128052.89	0.039	0.473	0.307	0.007	0.82667
595080.55	4128052.89	0.042	0.504	0.327	0.008	0.88064
594886.23	4127719.27	0.007	0.079	0.052	0.001	0.13950
594950.74	4127719.27	0.008	0.098	0.064	0.002	0.17116
594886.23	4127747.71	0.007	0.087	0.057	0.001	0.15197
594950.74	4127747.71	0.009	0.107	0.070	0.002	0.18738
594886.23	4127776.15	0.008	0.095	0.062	0.001	0.16596
594950.74	4127776.15	0.010	0.117	0.077	0.002	0.20566
594886.23	4127804.59	0.009	0.104	0.068	0.002	0.18231
594950.74	4127804.59	0.011	0.129	0.085	0.002	0.22681
594886.23	4127833.03	0.009	0.114	0.075	0.002	0.20083
594950.74	4127833.03	0.012	0.143	0.094	0.002	0.25084
594886.23	4127861.47	0.010	0.127	0.083	0.002	0.22246
594950.74	4127861.47	0.013	0.159	0.104	0.002	0.27819
594886.23	4127889.91	0.012	0.141	0.092	0.002	0.24688
594950.74	4127889.91	0.015	0.177	0.116	0.003	0.31066
594886.23	4127918.35	0.013	0.157	0.103	0.002	0.27563
594950.74	4127918.35	0.016	0.199	0.130	0.003	0.34801
594834.46	4127713.69	0.005	0.065	0.043	0.001	0.11479
594862.34	4127713.69	0.006	0.072	0.047	0.001	0.12637
594834.46	4127736.34	0.006	0.070	0.046	0.001	0.12243
594862.34	4127736.34	0.006	0.077	0.051	0.001	0.13515
594834.46	4127758.99	0.006	0.074	0.049	0.001	0.13086
594862.34	4127758.99	0.007	0.082	0.054	0.001	0.14486
594834.46	4127781.64	0.007	0.080	0.053	0.001	0.14033
594862.34	4127781.64	0.007	0.088	0.058	0.001	0.15530
594834.46	4127804.29	0.007	0.086	0.057	0.001	0.15051
594862.34	4127804.29	0.008	0.095	0.063	0.001	0.16724
594834.46	4127826.94	0.008	0.092	0.061	0.001	0.16221
594862.34	4127826.94	0.008	0.103	0.068	0.002	0.18037
594834.46	4127849.59	0.008	0.099	0.066	0.002	0.17507
594862.34	4127849.59	0.009	0.111	0.073	0.002	0.19479

594834.46	4127872.24	0.009	0.107	0.071	0.002	0.18924
594862.34	4127872.24	0.010	0.120	0.079	0.002	0.21094
594834.46	4127894.89	0.010	0.116	0.077	0.002	0.20514
594862.34	4127894.89	0.011	0.131	0.086	0.002	0.22970
594834.46	4127917.54	0.011	0.127	0.084	0.002	0.22368
594862.34	4127917.54	0.012	0.142	0.094	0.002	0.25056
595026.39	4127722.45	0.010	0.123	0.080	0.002	0.21472
595026.39	4127759.08	0.011	0.138	0.090	0.002	0.24227
595026.39	4127795.71	0.013	0.157	0.102	0.002	0.27490
595026.39	4127832.34	0.015	0.179	0.117	0.003	0.31342
595026.39	4127868.97	0.017	0.206	0.134	0.003	0.35950
595026.39	4127905.6	0.020	0.238	0.155	0.004	0.41545
595026.39	4127942.23	0.023	0.276	0.179	0.004	0.48265
595026.39	4127978.86	0.027	0.323	0.210	0.005	0.56447
595026.39	4128015.49	0.031	0.380	0.247	0.006	0.66427
595026.39	4128052.12	0.037	0.450	0.292	0.007	0.78669
594967.92	4128313.02	0.145	1.752	1.132	0.027	3.05660
594989.44	4128313.02	0.148	1.785	1.153	0.027	3.11360
595010.96	4128313.02	0.149	1.803	1.164	0.028	3.14444
595032.48	4128313.02	0.150	1.807	1.167	0.028	3.15135
595054	4128313.02	0.149	1.799	1.161	0.028	3.13694
595075.52	4128313.02	0.147	1.780	1.149	0.027	3.10396
594967.92	4128341.65	0.176	2.129	1.375	0.033	3.71270
594989.44	4128341.65	0.178	2.146	1.386	0.033	3.74231
595010.96	4128341.65	0.178	2.145	1.385	0.033	3.74061
595032.48	4128341.65	0.176	2.128	1.374	0.033	3.71143
595054	4128341.65	0.174	2.098	1.354	0.032	3.65874
595075.52	4128341.65	0.170	2.057	1.328	0.032	3.58648
594967.92	4128370.28	0.215	2.595	1.675	0.040	4.52532
594989.44	4128370.28	0.214	2.584	1.668	0.040	4.50604
595010.96	4128370.28	0.211	2.553	1.648	0.039	4.45110
595032.48	4128370.28	0.207	2.504	1.616	0.039	4.36622
595054	4128370.28	0.202	2.442	1.576	0.038	4.25767
595075.52	4128370.28	0.196	2.369	1.529	0.036	4.13071
594967.92	4128398.91	0.262	3.167	2.044	0.049	5.52180
594989.44	4128398.91	0.257	3.109	2.007	0.048	5.42101
595010.96	4128398.91	0.251	3.030	1.956	0.047	5.28389
595032.48	4128398.91	0.243	2.936	1.895	0.045	5.11832
595054	4128398.91	0.234	2.828	1.825	0.044	4.93156
595075.52	4128398.91	0.225	2.713	1.751	0.042	4.73024
594967.92	4128427.54	0.319	3.856	2.489	0.059	6.72320
594989.44	4128427.54	0.308	3.726	2.404	0.057	6.49568
595010.96	4128427.54	0.296	3.578	2.309	0.055	6.23815
595032.48	4128427.54	0.283	3.418	2.206	0.053	5.95918

595054	4128427.54	0.269	3.251	2.098	0.050	5.66772
595075.52	4128427.54	0.255	3.080	1.988	0.047	5.37070
595000.73	4128430.99	0.308	3.725	2.404	0.057	6.49449
595032.09	4128430.99	0.288	3.482	2.247	0.054	6.07131
595063.45	4128430.99	0.267	3.226	2.082	0.050	5.62389
595000.73	4128448.25	0.341	4.116	2.656	0.063	7.17668
595032.09	4128448.25	0.314	3.797	2.450	0.058	6.62036
595063.45	4128448.25	0.288	3.475	2.243	0.053	6.05911
595000.73	4128465.51	0.375	4.529	2.923	0.070	7.89677
595032.09	4128465.51	0.341	4.122	2.660	0.063	7.18711
595063.45	4128465.51	0.309	3.726	2.405	0.057	6.49685
595056.55	4128477.03	0.330	3.989	2.574	0.061	6.95525
595097.42	4128477.03	0.285	3.443	2.222	0.053	6.00232
595138.29	4128477.03	0.245	2.956	1.907	0.045	5.15337
595056.55	4128506.38	0.366	4.417	2.850	0.068	7.70109
595097.42	4128506.38	0.308	3.715	2.398	0.057	6.47795
595138.29	4128506.38	0.258	3.117	2.012	0.048	5.43474
595185.07	4128542.78	0.211	2.550	1.646	0.039	4.44666
595200.24	4128542.78	0.196	2.368	1.528	0.036	4.12880
595215.41	4128542.78	0.182	2.200	1.420	0.034	3.83544
595230.58	4128542.78	0.169	2.045	1.320	0.031	3.56550
595245.75	4128542.78	0.158	1.902	1.228	0.029	3.31726
595260.92	4128542.78	0.147	1.771	1.144	0.027	3.08889
595276.09	4128542.78	0.137	1.651	1.066	0.025	2.87880
595291.26	4128542.78	0.128	1.540	0.994	0.024	2.68544
595306.43	4128542.78	0.119	1.438	0.928	0.022	2.50736
595321.6	4128542.78	0.111	1.344	0.868	0.021	2.34334
595185.07	4128563.98	0.207	2.500	1.614	0.038	4.35940
595200.24	4128563.98	0.191	2.312	1.492	0.036	4.03081
595215.41	4128563.98	0.177	2.138	1.380	0.033	3.72799
595230.58	4128563.98	0.164	1.979	1.278	0.030	3.45115
595245.75	4128563.98	0.152	1.834	1.184	0.028	3.19847
595260.92	4128563.98	0.141	1.702	1.099	0.026	2.96773
595276.09	4128563.98	0.131	1.581	1.021	0.024	2.75696
595291.26	4128563.98	0.122	1.470	0.949	0.023	2.56420
595306.43	4128563.98	0.113	1.369	0.884	0.021	2.38787
595321.6	4128563.98	0.106	1.277	0.824	0.020	2.22651
595185.07	4128585.18	0.199	2.409	1.555	0.037	4.20052
595200.24	4128585.18	0.184	2.219	1.433	0.034	3.86951
595215.41	4128585.18	0.169	2.045	1.320	0.031	3.56553
595230.58	4128585.18	0.156	1.886	1.218	0.029	3.28920
595245.75	4128585.18	0.144	1.742	1.125	0.027	3.03836
595260.92	4128585.18	0.133	1.612	1.041	0.025	2.81078
595276.09	4128585.18	0.124	1.493	0.964	0.023	2.60428

595291.26	4128585.18	0.115	1.386	0.895	0.021	2.41660
595306.43	4128585.18	0.107	1.288	0.832	0.020	2.24591
595321.6	4128585.18	0.099	1.199	0.774	0.018	2.09060
595185.07	4128606.38	0.188	2.275	1.469	0.035	3.96700
595200.24	4128606.38	0.173	2.089	1.349	0.032	3.64224
595215.41	4128606.38	0.159	1.920	1.240	0.030	3.34770
595230.58	4128606.38	0.146	1.767	1.141	0.027	3.08194
595245.75	4128606.38	0.135	1.629	1.052	0.025	2.84168
595260.92	4128606.38	0.125	1.504	0.972	0.023	2.62365
595276.09	4128606.38	0.115	1.391	0.899	0.021	2.42653
595291.26	4128606.38	0.107	1.289	0.833	0.020	2.24832
595306.43	4128606.38	0.099	1.197	0.773	0.018	2.08695
595321.6	4128606.38	0.092	1.112	0.719	0.017	1.94037
595343.81	4128516.24	0.106	1.284	0.829	0.020	2.23966
595380.27	4128516.24	0.092	1.107	0.715	0.017	1.93053
595416.73	4128516.24	0.079	0.958	0.619	0.015	1.67138
595453.19	4128516.24	0.069	0.833	0.538	0.013	1.45363
595343.81	4128534.78	0.103	1.241	0.801	0.019	2.16372
595380.27	4128534.78	0.088	1.064	0.687	0.016	1.85622
595416.73	4128534.78	0.076	0.918	0.593	0.014	1.60113
595453.19	4128534.78	0.066	0.796	0.514	0.012	1.38862
595343.81	4128553.32	0.098	1.188	0.767	0.018	2.07257
595380.27	4128553.32	0.084	1.016	0.656	0.016	1.77113
595416.73	4128553.32	0.072	0.873	0.564	0.013	1.52342
595453.19	4128553.32	0.063	0.756	0.488	0.012	1.31861
595343.81	4128571.86	0.093	1.129	0.729	0.017	1.96856
595380.27	4128571.86	0.080	0.962	0.621	0.015	1.67755
595416.73	4128571.86	0.068	0.826	0.533	0.013	1.44013
595453.19	4128571.86	0.059	0.714	0.461	0.011	1.24517
595343.81	4128590.4	0.088	1.063	0.687	0.016	1.85418
595380.27	4128590.4	0.075	0.904	0.584	0.014	1.57709
595416.73	4128590.4	0.064	0.775	0.501	0.012	1.35233
595453.19	4128590.4	0.055	0.670	0.433	0.010	1.16927
595343.81	4128608.94	0.082	0.992	0.641	0.015	1.73063
595380.27	4128608.94	0.070	0.841	0.544	0.013	1.46768
595416.73	4128608.94	0.060	0.722	0.467	0.011	1.25948
595453.19	4128608.94	0.052	0.625	0.404	0.010	1.09029
595459.33	4128741.51	0.029	0.355	0.230	0.005	0.61956
595488.36	4128741.51	0.027	0.324	0.210	0.005	0.56507
595517.39	4128741.51	0.025	0.297	0.193	0.005	0.51870
595546.42	4128741.51	0.023	0.275	0.178	0.004	0.48049
595575.45	4128741.51	0.021	0.257	0.167	0.004	0.44968
595604.48	4128741.51	0.020	0.240	0.156	0.004	0.41945
595633.51	4128741.51	0.019	0.224	0.145	0.003	0.39155

595662.54	4128741.51	0.017	0.210	0.136	0.003	0.36635
595691.57	4128741.51	0.016	0.197	0.128	0.003	0.34364
595720.6	4128741.51	0.015	0.185	0.120	0.003	0.32360
595749.63	4128741.51	0.014	0.175	0.113	0.003	0.30518
595778.66	4128741.51	0.014	0.165	0.107	0.003	0.28809
595807.69	4128741.51	0.013	0.156	0.101	0.002	0.27245
595836.72	4128741.51	0.012	0.148	0.096	0.002	0.25804
595865.75	4128741.51	0.012	0.140	0.091	0.002	0.24479
595894.78	4128741.51	0.011	0.133	0.086	0.002	0.23266
595923.81	4128741.51	0.010	0.127	0.082	0.002	0.22150
595952.84	4128741.51	0.010	0.121	0.078	0.002	0.21117
595981.87	4128741.51	0.010	0.115	0.075	0.002	0.20158
596010.9	4128741.51	0.009	0.110	0.072	0.002	0.19267
596039.93	4128741.51	0.009	0.105	0.068	0.002	0.18435
595459.33	4128760.66	0.027	0.327	0.212	0.005	0.57145
595488.36	4128760.66	0.025	0.301	0.195	0.005	0.52521
595517.39	4128760.66	0.023	0.277	0.179	0.004	0.48331
595546.42	4128760.66	0.021	0.256	0.166	0.004	0.44763
595575.45	4128760.66	0.020	0.240	0.155	0.004	0.41857
595604.48	4128760.66	0.019	0.224	0.145	0.003	0.39155
595633.51	4128760.66	0.017	0.210	0.136	0.003	0.36666
595662.54	4128760.66	0.016	0.197	0.128	0.003	0.34363
595691.57	4128760.66	0.015	0.185	0.120	0.003	0.32296
595720.6	4128760.66	0.015	0.175	0.114	0.003	0.30614
595749.63	4128760.66	0.014	0.166	0.108	0.003	0.29013
595778.66	4128760.66	0.013	0.157	0.102	0.002	0.27464
595807.69	4128760.66	0.012	0.149	0.097	0.002	0.26029
595836.72	4128760.66	0.012	0.141	0.092	0.002	0.24699
595865.75	4128760.66	0.011	0.134	0.087	0.002	0.23473
595894.78	4128760.66	0.011	0.128	0.083	0.002	0.22348
595923.81	4128760.66	0.010	0.122	0.079	0.002	0.21312
595952.84	4128760.66	0.010	0.116	0.076	0.002	0.20352
595981.87	4128760.66	0.009	0.111	0.072	0.002	0.19455
596010.9	4128760.66	0.009	0.107	0.069	0.002	0.18623
596039.93	4128760.66	0.008	0.102	0.066	0.002	0.17845
595459.33	4128779.81	0.025	0.301	0.196	0.005	0.52639
595488.36	4128779.81	0.023	0.278	0.181	0.004	0.48657
595517.39	4128779.81	0.021	0.257	0.167	0.004	0.44952
595546.42	4128779.81	0.020	0.239	0.155	0.004	0.41734
595575.45	4128779.81	0.019	0.223	0.145	0.003	0.39051
595604.48	4128779.81	0.017	0.209	0.136	0.003	0.36579
595633.51	4128779.81	0.016	0.197	0.128	0.003	0.34377
595662.54	4128779.81	0.015	0.185	0.120	0.003	0.32303
595691.57	4128779.81	0.014	0.174	0.113	0.003	0.30381



595720.6	4128779.81	0.014	0.165	0.107	0.003	0.28835
595749.63	4128779.81	0.013	0.157	0.102	0.002	0.27498
595778.66	4128779.81	0.012	0.150	0.097	0.002	0.26138
595807.69	4128779.81	0.012	0.142	0.092	0.002	0.24825
595836.72	4128779.81	0.011	0.135	0.088	0.002	0.23609
595865.75	4128779.81	0.011	0.129	0.084	0.002	0.22483
595894.78	4128779.81	0.010	0.123	0.080	0.002	0.21447
595923.81	4128779.81	0.010	0.117	0.076	0.002	0.20487
595952.84	4128779.81	0.009	0.112	0.073	0.002	0.19592
595981.87	4128779.81	0.009	0.107	0.070	0.002	0.18757
596010.9	4128779.81	0.009	0.103	0.067	0.002	0.17980
596039.93	4128779.81	0.008	0.099	0.064	0.002	0.17255
595459.33	4128798.96	0.023	0.277	0.180	0.004	0.48461
595488.36	4128798.96	0.021	0.257	0.167	0.004	0.45008
595517.39	4128798.96	0.020	0.239	0.155	0.004	0.41764
595546.42	4128798.96	0.018	0.223	0.145	0.003	0.38898
595575.45	4128798.96	0.017	0.209	0.136	0.003	0.36454
595604.48	4128798.96	0.016	0.196	0.127	0.003	0.34191
595633.51	4128798.96	0.015	0.185	0.120	0.003	0.32260
595662.54	4128798.96	0.014	0.174	0.113	0.003	0.30419
595691.57	4128798.96	0.014	0.164	0.106	0.003	0.28605
595720.6	4128798.96	0.013	0.155	0.101	0.002	0.27079
595749.63	4128798.96	0.012	0.149	0.097	0.002	0.25968
595778.66	4128798.96	0.012	0.142	0.092	0.002	0.24813
595807.69	4128798.96	0.011	0.135	0.088	0.002	0.23616
595836.72	4128798.96	0.011	0.129	0.084	0.002	0.22518
595865.75	4128798.96	0.010	0.123	0.080	0.002	0.21504
595894.78	4128798.96	0.010	0.118	0.076	0.002	0.20552
595923.81	4128798.96	0.009	0.112	0.073	0.002	0.19664
595952.84	4128798.96	0.009	0.108	0.070	0.002	0.18834
595981.87	4128798.96	0.009	0.103	0.067	0.002	0.18062
596010.9	4128798.96	0.008	0.099	0.064	0.002	0.17335
596039.93	4128798.96	0.008	0.095	0.062	0.001	0.16660
595459.33	4128818.11	0.021	0.255	0.166	0.004	0.44619
595488.36	4128818.11	0.020	0.238	0.155	0.004	0.41586
595517.39	4128818.11	0.018	0.221	0.144	0.003	0.38709
595546.42	4128818.11	0.017	0.207	0.134	0.003	0.36161
595575.45	4128818.11	0.016	0.195	0.127	0.003	0.34035
595604.48	4128818.11	0.015	0.183	0.119	0.003	0.31971
595633.51	4128818.11	0.014	0.174	0.113	0.003	0.30349
595662.54	4128818.11	0.014	0.164	0.107	0.003	0.28689
595691.57	4128818.11	0.013	0.154	0.100	0.002	0.27013
595720.6	4128818.11	0.012	0.147	0.095	0.002	0.25639
595749.63	4128818.11	0.012	0.140	0.091	0.002	0.24502

595778.66	4128818.11	0.011	0.134	0.087	0.002	0.23364
595807.69	4128818.11	0.011	0.127	0.083	0.002	0.22259
595836.72	4128818.11	0.010	0.122	0.079	0.002	0.21353
595865.75	4128818.11	0.010	0.117	0.076	0.002	0.20521
595894.78	4128818.11	0.009	0.112	0.073	0.002	0.19664
595923.81	4128818.11	0.009	0.108	0.070	0.002	0.18846
595952.84	4128818.11	0.009	0.103	0.067	0.002	0.18080
595981.87	4128818.11	0.008	0.099	0.065	0.002	0.17367
596010.9	4128818.11	0.008	0.095	0.062	0.001	0.16692
596039.93	4128818.11	0.008	0.092	0.060	0.001	0.16065
595459.33	4128837.26	0.019	0.235	0.153	0.004	0.41112
595488.36	4128837.26	0.018	0.220	0.143	0.003	0.38417
595517.39	4128837.26	0.017	0.205	0.133	0.003	0.35862
595546.42	4128837.26	0.016	0.192	0.125	0.003	0.33618
595575.45	4128837.26	0.015	0.182	0.118	0.003	0.31822
595604.48	4128837.26	0.014	0.171	0.112	0.003	0.29979
595633.51	4128837.26	0.014	0.163	0.106	0.003	0.28528
595662.54	4128837.26	0.013	0.155	0.101	0.002	0.27063
595691.57	4128837.26	0.012	0.146	0.095	0.002	0.25570
595720.6	4128837.26	0.012	0.139	0.090	0.002	0.24305
595749.63	4128837.26	0.011	0.132	0.086	0.002	0.23135
595778.66	4128837.26	0.010	0.126	0.082	0.002	0.22020
595807.69	4128837.26	0.010	0.120	0.078	0.002	0.21014
595836.72	4128837.26	0.010	0.116	0.075	0.002	0.20210
595865.75	4128837.26	0.009	0.112	0.073	0.002	0.19522
595894.78	4128837.26	0.009	0.107	0.070	0.002	0.18774
595923.81	4128837.26	0.009	0.103	0.067	0.002	0.18033
595952.84	4128837.26	0.008	0.099	0.064	0.002	0.17328
595981.87	4128837.26	0.008	0.095	0.062	0.001	0.16666
596010.9	4128837.26	0.008	0.092	0.060	0.001	0.16044
596039.93	4128837.26	0.007	0.088	0.058	0.001	0.15462
595459.33	4128856.41	0.018	0.217	0.141	0.003	0.37953
595488.36	4128856.41	0.017	0.203	0.132	0.003	0.35519
595517.39	4128856.41	0.016	0.190	0.124	0.003	0.33253
595546.42	4128856.41	0.015	0.179	0.116	0.003	0.31275
595575.45	4128856.41	0.014	0.170	0.111	0.003	0.29813
595604.48	4128856.41	0.013	0.161	0.105	0.003	0.28177
595633.51	4128856.41	0.013	0.153	0.100	0.002	0.26808
595662.54	4128856.41	0.012	0.146	0.095	0.002	0.25523
595691.57	4128856.41	0.011	0.138	0.090	0.002	0.24232
595720.6	4128856.41	0.011	0.132	0.086	0.002	0.23047
595749.63	4128856.41	0.010	0.125	0.081	0.002	0.21877
595778.66	4128856.41	0.010	0.119	0.077	0.002	0.20811
595807.69	4128856.41	0.009	0.114	0.074	0.002	0.19896

595836.72	4128856.41	0.009	0.109	0.071	0.002	0.19111
595865.75	4128856.41	0.009	0.106	0.069	0.002	0.18505
595894.78	4128856.41	0.008	0.102	0.067	0.002	0.17885
595923.81	4128856.41	0.008	0.098	0.064	0.002	0.17224
595952.84	4128856.41	0.008	0.095	0.062	0.001	0.16575
595981.87	4128856.41	0.008	0.091	0.059	0.001	0.15961
596010.9	4128856.41	0.007	0.088	0.057	0.001	0.15392
596039.93	4128856.41	0.007	0.085	0.055	0.001	0.14856
595459.33	4128875.56	0.017	0.201	0.131	0.003	0.35146
595488.36	4128875.56	0.016	0.188	0.123	0.003	0.32974
595517.39	4128875.56	0.015	0.177	0.116	0.003	0.31047
595546.42	4128875.56	0.014	0.168	0.109	0.003	0.29371
595575.45	4128875.56	0.013	0.159	0.104	0.002	0.27815
595604.48	4128875.56	0.012	0.151	0.098	0.002	0.26423
595633.51	4128875.56	0.012	0.144	0.094	0.002	0.25183
595662.54	4128875.56	0.011	0.137	0.089	0.002	0.23993
595691.57	4128875.56	0.011	0.130	0.085	0.002	0.22826
595720.6	4128875.56	0.010	0.124	0.081	0.002	0.21776
595749.63	4128875.56	0.010	0.119	0.077	0.002	0.20790
595778.66	4128875.56	0.009	0.114	0.074	0.002	0.19877
595807.69	4128875.56	0.009	0.108	0.071	0.002	0.18971
595836.72	4128875.56	0.009	0.104	0.068	0.002	0.18174
595865.75	4128875.56	0.008	0.100	0.065	0.002	0.17561
595894.78	4128875.56	0.008	0.097	0.063	0.002	0.16965
595923.81	4128875.56	0.008	0.094	0.061	0.001	0.16408
595952.84	4128875.56	0.007	0.090	0.059	0.001	0.15830
595981.87	4128875.56	0.007	0.087	0.057	0.001	0.15270
596010.9	4128875.56	0.007	0.084	0.055	0.001	0.14742
596039.93	4128875.56	0.007	0.081	0.053	0.001	0.14243
595459.33	4128894.71	0.015	0.187	0.122	0.003	0.32754
595488.36	4128894.71	0.015	0.176	0.115	0.003	0.30782
595517.39	4128894.71	0.014	0.166	0.109	0.003	0.29108
595546.42	4128894.71	0.013	0.158	0.103	0.002	0.27599
595575.45	4128894.71	0.012	0.149	0.097	0.002	0.26079
595604.48	4128894.71	0.012	0.142	0.093	0.002	0.24837
595633.51	4128894.71	0.011	0.135	0.088	0.002	0.23678
595662.54	4128894.71	0.011	0.129	0.084	0.002	0.22571
595691.57	4128894.71	0.010	0.123	0.080	0.002	0.21517
595720.6	4128894.71	0.010	0.117	0.077	0.002	0.20571
595749.63	4128894.71	0.009	0.113	0.073	0.002	0.19706
595778.66	4128894.71	0.009	0.108	0.070	0.002	0.18889
595807.69	4128894.71	0.009	0.103	0.067	0.002	0.18040
595836.72	4128894.71	0.008	0.099	0.064	0.002	0.17278
595865.75	4128894.71	0.008	0.095	0.062	0.001	0.16668

595894.78	4128894.71	0.008	0.092	0.060	0.001	0.16098
595923.81	4128894.71	0.007	0.089	0.058	0.001	0.15620
595952.84	4128894.71	0.007	0.086	0.056	0.001	0.15095
595981.87	4128894.71	0.007	0.083	0.054	0.001	0.14585
596010.9	4128894.71	0.007	0.081	0.052	0.001	0.14097
596039.93	4128894.71	0.006	0.078	0.051	0.001	0.13636
595459.33	4128913.86	0.015	0.176	0.115	0.003	0.30764
595488.36	4128913.86	0.014	0.165	0.108	0.003	0.28965
595517.39	4128913.86	0.013	0.157	0.102	0.002	0.27427
595546.42	4128913.86	0.012	0.148	0.097	0.002	0.25975
595575.45	4128913.86	0.012	0.141	0.092	0.002	0.24623
595604.48	4128913.86	0.011	0.134	0.087	0.002	0.23421
595633.51	4128913.86	0.011	0.127	0.083	0.002	0.22306
595662.54	4128913.86	0.010	0.121	0.079	0.002	0.21270
595691.57	4128913.86	0.010	0.116	0.076	0.002	0.20314
595720.6	4128913.86	0.009	0.111	0.073	0.002	0.19446
595749.63	4128913.86	0.009	0.106	0.070	0.002	0.18646
595778.66	4128913.86	0.008	0.102	0.067	0.002	0.17887
595807.69	4128913.86	0.008	0.098	0.064	0.002	0.17125
595836.72	4128913.86	0.008	0.094	0.061	0.001	0.16426
595865.75	4128913.86	0.007	0.090	0.059	0.001	0.15836
595894.78	4128913.86	0.007	0.087	0.057	0.001	0.15318
595923.81	4128913.86	0.007	0.085	0.055	0.001	0.14867
595952.84	4128913.86	0.007	0.082	0.054	0.001	0.14385
595981.87	4128913.86	0.007	0.079	0.052	0.001	0.13915
596010.9	4128913.86	0.006	0.077	0.050	0.001	0.13466
596039.93	4128913.86	0.006	0.075	0.049	0.001	0.13041
595459.33	4128933.01	0.014	0.166	0.109	0.003	0.29167
595488.36	4128933.01	0.013	0.157	0.103	0.002	0.27480
595517.39	4128933.01	0.012	0.148	0.097	0.002	0.25978
595546.42	4128933.01	0.012	0.140	0.092	0.002	0.24583
595575.45	4128933.01	0.011	0.133	0.087	0.002	0.23321
595604.48	4128933.01	0.010	0.126	0.083	0.002	0.22164
595633.51	4128933.01	0.010	0.120	0.079	0.002	0.21099
595662.54	4128933.01	0.010	0.115	0.075	0.002	0.20127
595691.57	4128933.01	0.009	0.110	0.072	0.002	0.19236
595720.6	4128933.01	0.009	0.105	0.069	0.002	0.18416
595749.63	4128933.01	0.008	0.101	0.066	0.002	0.17661
595778.66	4128933.01	0.008	0.097	0.063	0.002	0.16938
595807.69	4128933.01	0.008	0.093	0.061	0.001	0.16233
595836.72	4128933.01	0.007	0.089	0.058	0.001	0.15596
595865.75	4128933.01	0.007	0.086	0.056	0.001	0.15042
595894.78	4128933.01	0.007	0.083	0.054	0.001	0.14566
595923.81	4128933.01	0.007	0.081	0.053	0.001	0.14150

595952.84	4128933.01	0.006	0.078	0.051	0.001	0.13710
595981.87	4128933.01	0.006	0.076	0.049	0.001	0.13273
596010.9	4128933.01	0.006	0.073	0.048	0.001	0.12856
596039.93	4128933.01	0.006	0.071	0.046	0.001	0.12464
595459.33	4128952.16	0.013	0.159	0.104	0.002	0.27847
595488.36	4128952.16	0.012	0.150	0.098	0.002	0.26252
595517.39	4128952.16	0.012	0.141	0.093	0.002	0.24767
595546.42	4128952.16	0.011	0.134	0.088	0.002	0.23420
595575.45	4128952.16	0.010	0.127	0.083	0.002	0.22207
595604.48	4128952.16	0.010	0.120	0.079	0.002	0.21088
595633.51	4128952.16	0.009	0.114	0.075	0.002	0.20063
595662.54	4128952.16	0.009	0.109	0.071	0.002	0.19135
595691.57	4128952.16	0.009	0.104	0.068	0.002	0.18283
595720.6	4128952.16	0.008	0.100	0.065	0.002	0.17502
595749.63	4128952.16	0.008	0.096	0.063	0.001	0.16773
595778.66	4128952.16	0.008	0.092	0.060	0.001	0.16076
595807.69	4128952.16	0.007	0.088	0.058	0.001	0.15425
595836.72	4128952.16	0.007	0.085	0.055	0.001	0.14835
595865.75	4128952.16	0.007	0.082	0.053	0.001	0.14295
595894.78	4128952.16	0.007	0.079	0.052	0.001	0.13843
595923.81	4128952.16	0.006	0.077	0.050	0.001	0.13464
595952.84	4128952.16	0.006	0.075	0.049	0.001	0.13066
595981.87	4128952.16	0.006	0.072	0.047	0.001	0.12664
596010.9	4128952.16	0.006	0.070	0.046	0.001	0.12276
596039.93	4128952.16	0.006	0.068	0.044	0.001	0.11910
595459.33	4128971.31	0.013	0.152	0.100	0.002	0.26760
595488.36	4128971.31	0.012	0.144	0.094	0.002	0.25198
595517.39	4128971.31	0.011	0.135	0.089	0.002	0.23765
595546.42	4128971.31	0.011	0.128	0.084	0.002	0.22461
595575.45	4128971.31	0.010	0.121	0.080	0.002	0.21278
595604.48	4128971.31	0.010	0.115	0.075	0.002	0.20187
595633.51	4128971.31	0.009	0.109	0.072	0.002	0.19198
595662.54	4128971.31	0.009	0.104	0.068	0.002	0.18293
595691.57	4128971.31	0.008	0.100	0.065	0.002	0.17462
595720.6	4128971.31	0.008	0.095	0.062	0.001	0.16698
595749.63	4128971.31	0.008	0.091	0.060	0.001	0.15987
595778.66	4128971.31	0.007	0.087	0.057	0.001	0.15322
595807.69	4128971.31	0.007	0.084	0.055	0.001	0.14708
595836.72	4128971.31	0.007	0.081	0.053	0.001	0.14150
595865.75	4128971.31	0.006	0.078	0.051	0.001	0.13611
595894.78	4128971.31	0.006	0.075	0.049	0.001	0.13133
595923.81	4128971.31	0.006	0.073	0.048	0.001	0.12788
595952.84	4128971.31	0.006	0.071	0.046	0.001	0.12458
595981.87	4128971.31	0.006	0.069	0.045	0.001	0.12092

596010.9	4128971.31	0.006	0.067	0.044	0.001	0.11730
596039.93	4128971.31	0.005	0.065	0.042	0.001	0.11386
595459.33	4128990.46	0.012	0.147	0.097	0.002	0.25821
595488.36	4128990.46	0.011	0.138	0.091	0.002	0.24320
595517.39	4128990.46	0.011	0.131	0.086	0.002	0.22940
595546.42	4128990.46	0.010	0.123	0.081	0.002	0.21675
595575.45	4128990.46	0.010	0.117	0.077	0.002	0.20512
595604.48	4128990.46	0.009	0.111	0.073	0.002	0.19450
595633.51	4128990.46	0.009	0.105	0.069	0.002	0.18476
595662.54	4128990.46	0.008	0.100	0.066	0.002	0.17591
595691.57	4128990.46	0.008	0.096	0.063	0.001	0.16775
595720.6	4128990.46	0.008	0.091	0.060	0.001	0.16019
595749.63	4128990.46	0.007	0.087	0.057	0.001	0.15315
595778.66	4128990.46	0.007	0.084	0.055	0.001	0.14676
595807.69	4128990.46	0.007	0.080	0.053	0.001	0.14095
595836.72	4128990.46	0.006	0.077	0.051	0.001	0.13576
595865.75	4128990.46	0.006	0.074	0.049	0.001	0.13061
595894.78	4128990.46	0.006	0.072	0.047	0.001	0.12559
595923.81	4128990.46	0.006	0.069	0.045	0.001	0.12166
595952.84	4128990.46	0.006	0.068	0.044	0.001	0.11849
595981.87	4128990.46	0.005	0.066	0.043	0.001	0.11556
596010.9	4128990.46	0.005	0.064	0.042	0.001	0.11223
596039.93	4128990.46	0.005	0.062	0.041	0.001	0.10894
595459.33	4129009.61	0.012	0.142	0.094	0.002	0.24989
595488.36	4129009.61	0.011	0.134	0.088	0.002	0.23566
595517.39	4129009.61	0.010	0.127	0.083	0.002	0.22245
595546.42	4129009.61	0.010	0.120	0.079	0.002	0.21024
595575.45	4129009.61	0.009	0.113	0.075	0.002	0.19887
595604.48	4129009.61	0.009	0.107	0.071	0.002	0.18847
595633.51	4129009.61	0.008	0.102	0.067	0.002	0.17889
595662.54	4129009.61	0.008	0.097	0.064	0.002	0.17016
595691.57	4129009.61	0.008	0.092	0.061	0.001	0.16205
595720.6	4129009.61	0.007	0.088	0.058	0.001	0.15448
595749.63	4129009.61	0.007	0.084	0.055	0.001	0.14754
595778.66	4129009.61	0.007	0.081	0.053	0.001	0.14131
595807.69	4129009.61	0.006	0.077	0.051	0.001	0.13575
595836.72	4129009.61	0.006	0.075	0.049	0.001	0.13088
595865.75	4129009.61	0.006	0.072	0.047	0.001	0.12595
595894.78	4129009.61	0.006	0.069	0.045	0.001	0.12086
595923.81	4129009.61	0.005	0.066	0.043	0.001	0.11633
595952.84	4129009.61	0.005	0.064	0.042	0.001	0.11275
595981.87	4129009.61	0.005	0.063	0.041	0.001	0.11056
596010.9	4129009.61	0.005	0.061	0.040	0.001	0.10755
596039.93	4129009.61	0.005	0.060	0.039	0.001	0.10443

595459.33	4129028.76	0.011	0.138	0.091	0.002	0.24224
595488.36	4129028.76	0.011	0.130	0.086	0.002	0.22888
595517.39	4129028.76	0.010	0.123	0.081	0.002	0.21636
595546.42	4129028.76	0.010	0.116	0.077	0.002	0.20461
595575.45	4129028.76	0.009	0.110	0.073	0.002	0.19369
595604.48	4129028.76	0.009	0.104	0.069	0.002	0.18350
595633.51	4129028.76	0.008	0.099	0.065	0.002	0.17415
595662.54	4129028.76	0.008	0.094	0.062	0.001	0.16540
595691.57	4129028.76	0.007	0.090	0.059	0.001	0.15732
595720.6	4129028.76	0.007	0.085	0.056	0.001	0.14987
595749.63	4129028.76	0.007	0.081	0.054	0.001	0.14300
595778.66	4129028.76	0.006	0.078	0.051	0.001	0.13685
595807.69	4129028.76	0.006	0.075	0.049	0.001	0.13147
595836.72	4129028.76	0.006	0.072	0.047	0.001	0.12646
595865.75	4129028.76	0.006	0.069	0.045	0.001	0.12152
595894.78	4129028.76	0.006	0.067	0.044	0.001	0.11711
595923.81	4129028.76	0.005	0.064	0.042	0.001	0.11287
595952.84	4129028.76	0.005	0.062	0.041	0.001	0.10842
595981.87	4129028.76	0.005	0.060	0.039	0.001	0.10546
596010.9	4129028.76	0.005	0.059	0.039	0.001	0.10327
596039.93	4129028.76	0.005	0.057	0.037	0.001	0.10032
595459.33	4129047.91	0.011	0.133	0.088	0.002	0.23490
595488.36	4129047.91	0.010	0.126	0.084	0.002	0.22248
595517.39	4129047.91	0.010	0.120	0.079	0.002	0.21075
595546.42	4129047.91	0.009	0.113	0.075	0.002	0.19957
595575.45	4129047.91	0.009	0.108	0.071	0.002	0.18912
595604.48	4129047.91	0.008	0.102	0.067	0.002	0.17929
595633.51	4129047.91	0.008	0.097	0.064	0.002	0.17013
595662.54	4129047.91	0.008	0.092	0.061	0.001	0.16153
595691.57	4129047.91	0.007	0.087	0.058	0.001	0.15350
595720.6	4129047.91	0.007	0.083	0.055	0.001	0.14613
595749.63	4129047.91	0.007	0.079	0.052	0.001	0.13943
595778.66	4129047.91	0.006	0.076	0.050	0.001	0.13338
595807.69	4129047.91	0.006	0.073	0.048	0.001	0.12797
595836.72	4129047.91	0.006	0.070	0.046	0.001	0.12277
595865.75	4129047.91	0.006	0.067	0.044	0.001	0.11788
595894.78	4129047.91	0.005	0.065	0.043	0.001	0.11367
595923.81	4129047.91	0.005	0.062	0.041	0.001	0.10925
595952.84	4129047.91	0.005	0.060	0.039	0.001	0.10452
595981.87	4129047.91	0.005	0.058	0.038	0.001	0.10149
596010.9	4129047.91	0.005	0.057	0.037	0.001	0.09954
596039.93	4129047.91	0.005	0.055	0.036	0.001	0.09663
595459.33	4129067.06	0.011	0.129	0.086	0.002	0.22769
595488.36	4129067.06	0.010	0.123	0.081	0.002	0.21620

595517.39	4129067.06	0.010	0.116	0.077	0.002	0.20518
595546.42	4129067.06	0.009	0.111	0.073	0.002	0.19479
595575.45	4129067.06	0.009	0.105	0.070	0.002	0.18498
595604.48	4129067.06	0.008	0.100	0.066	0.002	0.17560
595633.51	4129067.06	0.008	0.095	0.063	0.001	0.16661
595662.54	4129067.06	0.007	0.090	0.059	0.001	0.15824
595691.57	4129067.06	0.007	0.086	0.056	0.001	0.15038
595720.6	4129067.06	0.007	0.081	0.054	0.001	0.14314
595749.63	4129067.06	0.006	0.078	0.051	0.001	0.13662
595778.66	4129067.06	0.006	0.074	0.049	0.001	0.13069
595807.69	4129067.06	0.006	0.071	0.047	0.001	0.12513
595836.72	4129067.06	0.006	0.068	0.045	0.001	0.11974
595865.75	4129067.06	0.005	0.065	0.043	0.001	0.11496
595894.78	4129067.06	0.005	0.063	0.041	0.001	0.11065
595923.81	4129067.06	0.005	0.060	0.040	0.001	0.10580
595952.84	4129067.06	0.005	0.058	0.038	0.001	0.10111
595981.87	4129067.06	0.005	0.056	0.037	0.001	0.09854
596010.9	4129067.06	0.005	0.055	0.036	0.001	0.09633
596039.93	4129067.06	0.004	0.053	0.035	0.001	0.09339
595459.33	4129086.21	0.010	0.125	0.083	0.002	0.22055
595488.36	4129086.21	0.010	0.119	0.079	0.002	0.20984
595517.39	4129086.21	0.009	0.113	0.075	0.002	0.19973
595546.42	4129086.21	0.009	0.108	0.072	0.002	0.19010
595575.45	4129086.21	0.009	0.103	0.068	0.002	0.18089
595604.48	4129086.21	0.008	0.098	0.065	0.002	0.17199
595633.51	4129086.21	0.008	0.093	0.061	0.001	0.16342
595662.54	4129086.21	0.007	0.088	0.058	0.001	0.15537
595691.57	4129086.21	0.007	0.084	0.056	0.001	0.14782
595720.6	4129086.21	0.007	0.080	0.053	0.001	0.14083
595749.63	4129086.21	0.006	0.076	0.050	0.001	0.13441
595778.66	4129086.21	0.006	0.073	0.048	0.001	0.12841
595807.69	4129086.21	0.006	0.070	0.046	0.001	0.12281
595836.72	4129086.21	0.006	0.067	0.044	0.001	0.11750
595865.75	4129086.21	0.005	0.064	0.042	0.001	0.11257
595894.78	4129086.21	0.005	0.062	0.040	0.001	0.10810
595923.81	4129086.21	0.005	0.059	0.039	0.001	0.10380
595952.84	4129086.21	0.005	0.057	0.037	0.001	0.09938
595981.87	4129086.21	0.005	0.055	0.036	0.001	0.09576
596010.9	4129086.21	0.004	0.053	0.035	0.001	0.09300
596039.93	4129086.21	0.004	0.052	0.034	0.001	0.09054
595459.33	4129105.36	0.010	0.121	0.081	0.002	0.21354
595488.36	4129105.36	0.010	0.115	0.077	0.002	0.20346
595517.39	4129105.36	0.009	0.110	0.073	0.002	0.19411
595546.42	4129105.36	0.009	0.105	0.070	0.002	0.18530



595575.45	4129105.36	0.008	0.100	0.067	0.002	0.17668
595604.48	4129105.36	0.008	0.096	0.063	0.002	0.16838
595633.51	4129105.36	0.008	0.091	0.060	0.001	0.16032
595662.54	4129105.36	0.007	0.087	0.057	0.001	0.15271
595691.57	4129105.36	0.007	0.083	0.055	0.001	0.14551
595720.6	4129105.36	0.007	0.079	0.052	0.001	0.13881
595749.63	4129105.36	0.006	0.075	0.050	0.001	0.13251
595778.66	4129105.36	0.006	0.072	0.047	0.001	0.12655
595807.69	4129105.36	0.006	0.069	0.045	0.001	0.12093
595836.72	4129105.36	0.005	0.066	0.043	0.001	0.11569
595865.75	4129105.36	0.005	0.063	0.041	0.001	0.11072
595894.78	4129105.36	0.005	0.060	0.040	0.001	0.10616
595923.81	4129105.36	0.005	0.058	0.038	0.001	0.10200
595952.84	4129105.36	0.005	0.056	0.037	0.001	0.09770
595981.87	4129105.36	0.004	0.053	0.035	0.001	0.09356
596010.9	4129105.36	0.004	0.051	0.034	0.001	0.09035
596039.93	4129105.36	0.004	0.050	0.033	0.001	0.08798
595459.33	4129124.51	0.010	0.117	0.078	0.002	0.20673
595488.36	4129124.51	0.009	0.111	0.075	0.002	0.19716
595517.39	4129124.51	0.009	0.107	0.071	0.002	0.18849
595546.42	4129124.51	0.008	0.102	0.068	0.002	0.18023
595575.45	4129124.51	0.008	0.098	0.065	0.002	0.17229
595604.48	4129124.51	0.008	0.093	0.062	0.001	0.16463
595633.51	4129124.51	0.007	0.089	0.059	0.001	0.15713
595662.54	4129124.51	0.007	0.085	0.056	0.001	0.15004
595691.57	4129124.51	0.007	0.081	0.054	0.001	0.14331
595720.6	4129124.51	0.006	0.078	0.051	0.001	0.13694
595749.63	4129124.51	0.006	0.074	0.049	0.001	0.13079
595778.66	4129124.51	0.006	0.071	0.047	0.001	0.12492
595807.69	4129124.51	0.006	0.068	0.045	0.001	0.11938
595836.72	4129124.51	0.005	0.065	0.043	0.001	0.11417
595865.75	4129124.51	0.005	0.062	0.041	0.001	0.10930
595894.78	4129124.51	0.005	0.060	0.039	0.001	0.10476
595923.81	4129124.51	0.005	0.057	0.038	0.001	0.10039
595952.84	4129124.51	0.005	0.055	0.036	0.001	0.09597
595981.87	4129124.51	0.004	0.052	0.034	0.001	0.09189
596010.9	4129124.51	0.004	0.050	0.033	0.001	0.08854
596039.93	4129124.51	0.004	0.049	0.032	0.001	0.08554
595249.89	4128695.55	0.085	1.027	0.664	0.016	1.79266
595290.33	4128695.55	0.070	0.843	0.545	0.013	1.47162
595330.77	4128695.55	0.058	0.704	0.455	0.011	1.22861
595371.21	4128695.55	0.049	0.596	0.386	0.009	1.04063
595411.65	4128695.55	0.042	0.509	0.330	0.008	0.88896
595452.09	4128695.55	0.036	0.440	0.285	0.007	0.76845

595249.89	4128726.21	0.070	0.847	0.548	0.013	1.47879
595290.33	4128726.21	0.058	0.706	0.457	0.011	1.23168
595330.77	4128726.21	0.049	0.597	0.386	0.009	1.04202
595371.21	4128726.21	0.042	0.512	0.331	0.008	0.89343
595411.65	4128726.21	0.037	0.443	0.287	0.007	0.77413
595452.09	4128726.21	0.032	0.387	0.251	0.006	0.67616
595249.89	4128756.87	0.057	0.692	0.448	0.011	1.20826
595290.33	4128756.87	0.049	0.586	0.380	0.009	1.02392
595330.77	4128756.87	0.042	0.504	0.326	0.008	0.87951
595371.21	4128756.87	0.036	0.438	0.284	0.007	0.76437
595411.65	4128756.87	0.032	0.384	0.249	0.006	0.67066
595452.09	4128756.87	0.028	0.340	0.220	0.005	0.59318
595249.89	4128787.53	0.047	0.565	0.366	0.009	0.98664
595290.33	4128787.53	0.040	0.487	0.316	0.008	0.85115
595330.77	4128787.53	0.035	0.425	0.276	0.007	0.74226
595371.21	4128787.53	0.031	0.374	0.243	0.006	0.65346
595411.65	4128787.53	0.027	0.332	0.216	0.005	0.58029
595452.09	4128787.53	0.025	0.297	0.193	0.005	0.51909
595249.89	4128818.19	0.039	0.465	0.302	0.007	0.81346
595290.33	4128818.19	0.034	0.407	0.265	0.006	0.71222
595330.77	4128818.19	0.030	0.360	0.234	0.006	0.62923
595371.21	4128818.19	0.027	0.321	0.208	0.005	0.56044
595411.65	4128818.19	0.024	0.288	0.187	0.004	0.50281
595452.09	4128818.19	0.021	0.260	0.169	0.004	0.45399
595249.89	4128848.85	0.032	0.391	0.255	0.006	0.68444
595290.33	4128848.85	0.029	0.346	0.225	0.005	0.60551
595330.77	4128848.85	0.026	0.309	0.201	0.005	0.53991
595371.21	4128848.85	0.023	0.277	0.181	0.004	0.48488
595411.65	4128848.85	0.021	0.250	0.163	0.004	0.43825
595452.09	4128848.85	0.019	0.228	0.148	0.004	0.39809
595249.89	4128879.51	0.028	0.338	0.221	0.005	0.59161
595290.33	4128879.51	0.025	0.301	0.196	0.005	0.52675
595330.77	4128879.51	0.022	0.270	0.176	0.004	0.47215
595371.21	4128879.51	0.020	0.243	0.159	0.004	0.42614
595411.65	4128879.51	0.018	0.221	0.144	0.003	0.38657
595452.09	4128879.51	0.017	0.201	0.131	0.003	0.35196
595249.89	4128910.17	0.025	0.299	0.197	0.005	0.52553
595290.33	4128910.17	0.022	0.268	0.176	0.004	0.47004
595330.77	4128910.17	0.020	0.241	0.158	0.004	0.42267
595371.21	4128910.17	0.018	0.218	0.143	0.003	0.38208
595411.65	4128910.17	0.016	0.198	0.130	0.003	0.34710
595452.09	4128910.17	0.015	0.180	0.118	0.003	0.31630
595249.89	4128940.83	0.022	0.271	0.179	0.004	0.47637
595290.33	4128940.83	0.020	0.243	0.160	0.004	0.42775

595330.77	4128940.83	0.018	0.220	0.145	0.003	0.38607
595371.21	4128940.83	0.016	0.199	0.131	0.003	0.34969
595411.65	4128940.83	0.015	0.181	0.119	0.003	0.31779
595452.09	4128940.83	0.014	0.166	0.109	0.003	0.29034
595370.31	4128948.01	0.016	0.196	0.129	0.003	0.34404
595402.84	4128948.01	0.015	0.181	0.119	0.003	0.31850
595435.37	4128948.01	0.014	0.169	0.111	0.003	0.29577
595370.31	4128976.76	0.015	0.183	0.121	0.003	0.32150
595402.84	4128976.76	0.014	0.170	0.112	0.003	0.29855
595435.37	4128976.76	0.013	0.159	0.104	0.002	0.27854
595370.31	4129005.51	0.014	0.172	0.114	0.003	0.30284
595402.84	4129005.51	0.013	0.161	0.106	0.003	0.28257
595435.37	4129005.51	0.012	0.150	0.099	0.002	0.26433
595370.31	4129034.26	0.013	0.162	0.108	0.003	0.28617
595402.84	4129034.26	0.013	0.152	0.101	0.002	0.26813
595435.37	4129034.26	0.012	0.143	0.095	0.002	0.25156
595370.31	4129063.01	0.013	0.153	0.103	0.002	0.27082
595402.84	4129063.01	0.012	0.144	0.096	0.002	0.25427
595435.37	4129063.01	0.011	0.136	0.090	0.002	0.23940
595370.31	4129091.76	0.012	0.145	0.098	0.002	0.25764
595402.84	4129091.76	0.011	0.136	0.092	0.002	0.24154
595435.37	4129091.76	0.011	0.129	0.086	0.002	0.22772
595548.86	4129154.91	0.008	0.097	0.065	0.002	0.17142
595605.25	4129154.91	0.007	0.090	0.060	0.001	0.15808
595661.64	4129154.91	0.007	0.083	0.055	0.001	0.14576
595718.03	4129154.91	0.006	0.076	0.051	0.001	0.13433
595548.86	4129180.69	0.008	0.093	0.063	0.001	0.16468
595605.25	4129180.69	0.007	0.086	0.058	0.001	0.15249
595661.64	4129180.69	0.007	0.080	0.053	0.001	0.14161
595718.03	4129180.69	0.006	0.074	0.049	0.001	0.13125
595548.86	4129206.47	0.007	0.089	0.060	0.001	0.15856
595605.25	4129206.47	0.007	0.083	0.056	0.001	0.14677
595661.64	4129206.47	0.006	0.077	0.052	0.001	0.13694
595718.03	4129206.47	0.006	0.072	0.048	0.001	0.12771
595548.86	4129232.25	0.007	0.086	0.059	0.001	0.15335
595605.25	4129232.25	0.007	0.080	0.054	0.001	0.14137
595661.64	4129232.25	0.006	0.075	0.050	0.001	0.13203
595718.03	4129232.25	0.006	0.070	0.047	0.001	0.12372
595770.66	4129137.18	0.006	0.071	0.047	0.001	0.12549
595794.75	4129137.18	0.006	0.069	0.045	0.001	0.12088
595818.84	4129137.18	0.005	0.066	0.044	0.001	0.11646
595842.93	4129137.18	0.005	0.064	0.042	0.001	0.11225
595867.02	4129137.18	0.005	0.062	0.041	0.001	0.10825
595891.11	4129137.18	0.005	0.059	0.039	0.001	0.10444

595915.2	4129137.18	0.005	0.057	0.038	0.001	0.10079
595939.29	4129137.18	0.005	0.055	0.036	0.001	0.09709
595770.66	4129177.59	0.006	0.069	0.046	0.001	0.12216
595794.75	4129177.59	0.006	0.067	0.044	0.001	0.11796
595818.84	4129177.59	0.005	0.065	0.043	0.001	0.11386
595842.93	4129177.59	0.005	0.062	0.041	0.001	0.10986
595867.02	4129177.59	0.005	0.060	0.040	0.001	0.10594
595891.11	4129177.59	0.005	0.058	0.038	0.001	0.10211
595915.2	4129177.59	0.005	0.056	0.037	0.001	0.09846
595939.29	4129177.59	0.004	0.054	0.036	0.001	0.09486
595770.66	4129218	0.006	0.067	0.044	0.001	0.11800
595794.75	4129218	0.005	0.065	0.043	0.001	0.11440
595818.84	4129218	0.005	0.063	0.042	0.001	0.11073
595842.93	4129218	0.005	0.061	0.040	0.001	0.10714
595867.02	4129218	0.005	0.059	0.039	0.001	0.10356
595891.11	4129218	0.005	0.057	0.038	0.001	0.10003
595915.2	4129218	0.005	0.055	0.036	0.001	0.09660
595939.29	4129218	0.004	0.053	0.035	0.001	0.09330
595770.66	4129258.41	0.005	0.064	0.043	0.001	0.11262
595794.75	4129258.41	0.005	0.062	0.041	0.001	0.10957
595818.84	4129258.41	0.005	0.060	0.040	0.001	0.10651
595842.93	4129258.41	0.005	0.059	0.039	0.001	0.10343
595867.02	4129258.41	0.005	0.057	0.038	0.001	0.10040
595891.11	4129258.41	0.005	0.055	0.037	0.001	0.09743
595915.2	4129258.41	0.004	0.054	0.035	0.001	0.09448
595939.29	4129258.41	0.004	0.052	0.034	0.001	0.09152
595770.66	4129298.82	0.005	0.060	0.040	0.001	0.10628
595794.75	4129298.82	0.005	0.059	0.039	0.001	0.10370
595818.84	4129298.82	0.005	0.057	0.038	0.001	0.10116
595842.93	4129298.82	0.005	0.056	0.037	0.001	0.09866
595867.02	4129298.82	0.005	0.055	0.036	0.001	0.09621
595891.11	4129298.82	0.004	0.053	0.035	0.001	0.09377
595915.2	4129298.82	0.004	0.052	0.034	0.001	0.09139
595939.29	4129298.82	0.004	0.051	0.033	0.001	0.08893
595957.02	4129258.56	0.004	0.051	0.033	0.001	0.08940
596003.21	4129258.56	0.004	0.048	0.031	0.001	0.08409
595957.02	4129289.71	0.004	0.050	0.033	0.001	0.08775
596003.21	4129289.71	0.004	0.047	0.031	0.001	0.08308
595957.02	4129320.86	0.004	0.049	0.032	0.001	0.08552
596003.21	4129320.86	0.004	0.046	0.030	0.001	0.08152
595957.02	4129352.01	0.004	0.047	0.031	0.001	0.08267
596003.21	4129352.01	0.004	0.045	0.030	0.001	0.07936
595780.89	4129328.94	0.005	0.057	0.038	0.001	0.10031
595811.48	4129328.94	0.005	0.055	0.037	0.001	0.09733

595842.07	4129328.94	0.004	0.054	0.036	0.001	0.09458
595872.66	4129328.94	0.004	0.052	0.035	0.001	0.09193
595903.25	4129328.94	0.004	0.051	0.034	0.001	0.08935
595933.84	4129328.94	0.004	0.049	0.033	0.001	0.08678
595780.89	4129353.44	0.005	0.054	0.037	0.001	0.09642
595811.48	4129353.44	0.004	0.053	0.035	0.001	0.09349
595842.07	4129353.44	0.004	0.052	0.034	0.001	0.09097
595872.66	4129353.44	0.004	0.050	0.033	0.001	0.08858
595903.25	4129353.44	0.004	0.049	0.032	0.001	0.08634
595933.84	4129353.44	0.004	0.048	0.032	0.001	0.08418
595780.89	4129377.94	0.004	0.052	0.035	0.001	0.09271
595811.48	4129377.94	0.004	0.051	0.034	0.001	0.08975
595842.07	4129377.94	0.004	0.049	0.033	0.001	0.08728
595872.66	4129377.94	0.004	0.048	0.032	0.001	0.08507
595903.25	4129377.94	0.004	0.047	0.031	0.001	0.08309
595933.84	4129377.94	0.004	0.046	0.030	0.001	0.08125
595780.89	4129402.44	0.004	0.050	0.034	0.001	0.08928
595811.48	4129402.44	0.004	0.049	0.033	0.001	0.08615
595842.07	4129402.44	0.004	0.047	0.032	0.001	0.08364
595872.66	4129402.44	0.004	0.046	0.031	0.001	0.08150
595903.25	4129402.44	0.004	0.045	0.030	0.001	0.07973
595933.84	4129402.44	0.004	0.044	0.029	0.001	0.07813
595780.89	4129426.94	0.004	0.049	0.033	0.001	0.08614
595811.48	4129426.94	0.004	0.047	0.031	0.001	0.08280
595842.07	4129426.94	0.004	0.046	0.030	0.001	0.08018
595872.66	4129426.94	0.004	0.044	0.029	0.001	0.07810
595903.25	4129426.94	0.004	0.043	0.029	0.001	0.07640
595933.84	4129426.94	0.004	0.043	0.028	0.001	0.07492
595780.89	4129451.44	0.004	0.047	0.032	0.001	0.08329
595811.48	4129451.44	0.004	0.045	0.030	0.001	0.07977
595842.07	4129451.44	0.004	0.044	0.029	0.001	0.07704
595872.66	4129451.44	0.004	0.043	0.028	0.001	0.07490
595903.25	4129451.44	0.003	0.042	0.027	0.001	0.07319
595933.84	4129451.44	0.003	0.041	0.027	0.001	0.07180
595780.89	4129475.94	0.004	0.046	0.031	0.001	0.08076
595811.48	4129475.94	0.004	0.044	0.029	0.001	0.07715
595842.07	4129475.94	0.003	0.042	0.028	0.001	0.07431
595872.66	4129475.94	0.003	0.041	0.027	0.001	0.07207
595903.25	4129475.94	0.003	0.040	0.026	0.001	0.07030
595933.84	4129475.94	0.003	0.039	0.026	0.001	0.06888
595642.77	4129286.53	0.006	0.070	0.048	0.001	0.12526
595677.31	4129286.53	0.006	0.068	0.046	0.001	0.11990
595711.85	4129286.53	0.005	0.065	0.044	0.001	0.11530
595746.39	4129286.53	0.005	0.063	0.042	0.001	0.11109

595642.77	4129336.29	0.006	0.067	0.046	0.001	0.11935
595677.31	4129336.29	0.005	0.063	0.043	0.001	0.11276
595711.85	4129336.29	0.005	0.060	0.041	0.001	0.10732
595746.39	4129336.29	0.005	0.058	0.039	0.001	0.10290
595642.77	4129386.05	0.005	0.065	0.046	0.001	0.11722
595677.31	4129386.05	0.005	0.060	0.042	0.001	0.10830
595711.85	4129386.05	0.005	0.057	0.039	0.001	0.10128
595746.39	4129386.05	0.004	0.054	0.037	0.001	0.09581
595642.77	4129435.81	0.005	0.065	0.047	0.001	0.11887
595677.31	4129435.81	0.005	0.059	0.041	0.001	0.10636
595711.85	4129435.81	0.004	0.054	0.037	0.001	0.09709
595746.39	4129435.81	0.004	0.051	0.034	0.001	0.09021
595642.77	4129485.57	0.006	0.067	0.049	0.001	0.12214
595677.31	4129485.57	0.005	0.057	0.040	0.001	0.10322
595711.85	4129485.57	0.004	0.052	0.035	0.001	0.09244
595746.39	4129485.57	0.004	0.048	0.032	0.001	0.08518
595788.1	4129524.74	0.004	0.043	0.029	0.001	0.07610
595814.56	4129524.74	0.003	0.042	0.027	0.001	0.07304
595841.02	4129524.74	0.003	0.040	0.026	0.001	0.07041
595867.48	4129524.74	0.003	0.039	0.025	0.001	0.06817
595893.94	4129524.74	0.003	0.038	0.025	0.001	0.06628
595920.4	4129524.74	0.003	0.037	0.024	0.001	0.06468
595946.86	4129524.74	0.003	0.036	0.024	0.001	0.06334
595973.32	4129524.74	0.003	0.036	0.023	0.001	0.06224
595999.78	4129524.74	0.003	0.035	0.023	0.001	0.06131
595788.1	4129556.46	0.004	0.043	0.028	0.001	0.07464
595814.56	4129556.46	0.003	0.041	0.027	0.001	0.07157
595841.02	4129556.46	0.003	0.039	0.026	0.001	0.06882
595867.48	4129556.46	0.003	0.038	0.025	0.001	0.06637
595893.94	4129556.46	0.003	0.037	0.024	0.001	0.06425
595920.4	4129556.46	0.003	0.036	0.023	0.001	0.06241
595946.86	4129556.46	0.003	0.035	0.023	0.001	0.06088
595973.32	4129556.46	0.003	0.034	0.022	0.001	0.05962
595999.78	4129556.46	0.003	0.033	0.022	0.001	0.05854
595788.1	4129588.18	0.003	0.042	0.028	0.001	0.07370
595814.56	4129588.18	0.003	0.040	0.026	0.001	0.07064
595841.02	4129588.18	0.003	0.039	0.025	0.001	0.06782
595867.48	4129588.18	0.003	0.037	0.024	0.001	0.06521
595893.94	4129588.18	0.003	0.036	0.023	0.001	0.06288
595920.4	4129588.18	0.003	0.035	0.023	0.001	0.06085
595946.86	4129588.18	0.003	0.034	0.022	0.001	0.05907
595973.32	4129588.18	0.003	0.033	0.021	0.001	0.05758
595999.78	4129588.18	0.003	0.032	0.021	0.000	0.05630
595788.1	4129619.9	0.003	0.042	0.027	0.001	0.07294

595814.56	4129619.9	0.003	0.040	0.026	0.001	0.06998
595841.02	4129619.9	0.003	0.038	0.025	0.001	0.06717
595867.48	4129619.9	0.003	0.037	0.024	0.001	0.06452
595893.94	4129619.9	0.003	0.035	0.023	0.001	0.06205
595920.4	4129619.9	0.003	0.034	0.022	0.001	0.05984
595946.86	4129619.9	0.003	0.033	0.022	0.001	0.05787
595973.32	4129619.9	0.003	0.032	0.021	0.000	0.05614
595999.78	4129619.9	0.003	0.031	0.020	0.000	0.05466
595788.1	4129651.62	0.003	0.041	0.027	0.001	0.07212
595814.56	4129651.62	0.003	0.040	0.026	0.001	0.06940
595841.02	4129651.62	0.003	0.038	0.025	0.001	0.06669
595867.48	4129651.62	0.003	0.037	0.024	0.001	0.06409
595893.94	4129651.62	0.003	0.035	0.023	0.001	0.06160
595920.4	4129651.62	0.003	0.034	0.022	0.001	0.05926
595946.86	4129651.62	0.003	0.033	0.021	0.001	0.05714
595973.32	4129651.62	0.003	0.032	0.021	0.000	0.05523
595999.78	4129651.62	0.003	0.031	0.020	0.000	0.05356
595788.1	4129683.34	0.003	0.041	0.027	0.001	0.07117
595814.56	4129683.34	0.003	0.039	0.026	0.001	0.06871
595841.02	4129683.34	0.003	0.038	0.025	0.001	0.06622
595867.48	4129683.34	0.003	0.036	0.024	0.001	0.06374
595893.94	4129683.34	0.003	0.035	0.023	0.001	0.06132
595920.4	4129683.34	0.003	0.034	0.022	0.001	0.05899
595946.86	4129683.34	0.003	0.032	0.021	0.001	0.05676
595973.32	4129683.34	0.003	0.031	0.020	0.000	0.05473
595999.78	4129683.34	0.003	0.030	0.020	0.000	0.05287
593920.79	4128960.54	0.028	0.334	0.216	0.005	0.58321
593955.22	4128960.54	0.030	0.366	0.236	0.006	0.63762
593989.65	4128960.54	0.033	0.401	0.259	0.006	0.69896
594024.08	4128960.54	0.036	0.441	0.285	0.007	0.76837
594058.51	4128960.54	0.040	0.486	0.314	0.007	0.84690
594092.94	4128960.54	0.044	0.537	0.347	0.008	0.93609
594127.37	4128960.54	0.049	0.595	0.384	0.009	1.03746
594161.8	4128960.54	0.055	0.661	0.427	0.010	1.15287
594196.23	4128960.54	0.061	0.736	0.475	0.011	1.28409
594230.66	4128960.54	0.068	0.822	0.531	0.013	1.43328
594265.09	4128960.54	0.076	0.919	0.593	0.014	1.60250
594299.52	4128960.54	0.085	1.029	0.664	0.016	1.79360
593920.79	4128979.2	0.028	0.341	0.221	0.005	0.59549
593955.22	4128979.2	0.031	0.373	0.241	0.006	0.64995
593989.65	4128979.2	0.034	0.408	0.263	0.006	0.71110
594024.08	4128979.2	0.037	0.447	0.289	0.007	0.77995
594058.51	4128979.2	0.041	0.492	0.317	0.008	0.85727
594092.94	4128979.2	0.045	0.542	0.350	0.008	0.94471

594127.37	4128979.2	0.050	0.598	0.386	0.009	1.04350
594161.8	4128979.2	0.055	0.662	0.428	0.010	1.15511
594196.23	4128979.2	0.061	0.734	0.474	0.011	1.28071
594230.66	4128979.2	0.068	0.816	0.526	0.013	1.42199
594265.09	4128979.2	0.075	0.906	0.585	0.014	1.58021
594299.52	4128979.2	0.083	1.007	0.650	0.016	1.75625
593920.79	4128997.86	0.029	0.348	0.224	0.005	0.60609
593955.22	4128997.86	0.031	0.379	0.244	0.006	0.66027
593989.65	4128997.86	0.034	0.413	0.267	0.006	0.72082
594024.08	4128997.86	0.037	0.452	0.292	0.007	0.78853
594058.51	4128997.86	0.041	0.496	0.320	0.008	0.86440
594092.94	4128997.86	0.045	0.545	0.352	0.008	0.94952
594127.37	4128997.86	0.050	0.599	0.387	0.009	1.04488
594161.8	4128997.86	0.055	0.660	0.426	0.010	1.15171
594196.23	4128997.86	0.060	0.729	0.470	0.011	1.27088
594230.66	4128997.86	0.067	0.805	0.520	0.012	1.40340
594265.09	4128997.86	0.074	0.889	0.574	0.014	1.55023
594299.52	4128997.86	0.081	0.981	0.633	0.015	1.71070
593920.79	4129016.52	0.029	0.353	0.228	0.005	0.61489
593955.22	4129016.52	0.032	0.383	0.248	0.006	0.66846
593989.65	4129016.52	0.035	0.417	0.270	0.006	0.72800
594024.08	4129016.52	0.038	0.455	0.294	0.007	0.79426
594058.51	4129016.52	0.041	0.498	0.321	0.008	0.86817
594092.94	4129016.52	0.045	0.545	0.352	0.008	0.95045
594127.37	4129016.52	0.049	0.598	0.386	0.009	1.04194
594161.8	4129016.52	0.054	0.656	0.423	0.010	1.14343
594196.23	4129016.52	0.060	0.720	0.465	0.011	1.25560
594230.66	4129016.52	0.065	0.791	0.510	0.012	1.37887
594265.09	4129016.52	0.072	0.868	0.560	0.013	1.51359
594299.52	4129016.52	0.079	0.951	0.614	0.015	1.65838
593920.79	4129035.18	0.030	0.357	0.230	0.005	0.62182
593955.22	4129035.18	0.032	0.387	0.250	0.006	0.67448
593989.65	4129035.18	0.035	0.420	0.271	0.006	0.73268
594024.08	4129035.18	0.038	0.457	0.295	0.007	0.79721
594058.51	4129035.18	0.041	0.498	0.322	0.008	0.86869
594092.94	4129035.18	0.045	0.543	0.351	0.008	0.94771
594127.37	4129035.18	0.049	0.593	0.383	0.009	1.03488
594161.8	4129035.18	0.054	0.648	0.419	0.010	1.13072
594196.23	4129035.18	0.059	0.709	0.457	0.011	1.23551
594230.66	4129035.18	0.064	0.774	0.499	0.012	1.34929
594265.09	4129035.18	0.070	0.844	0.545	0.013	1.47151
594299.52	4129035.18	0.076	0.918	0.593	0.014	1.60085
593920.79	4129053.84	0.030	0.359	0.232	0.006	0.62687
593955.22	4129053.84	0.032	0.389	0.251	0.006	0.67836



593989.65	4129053.84	0.035	0.421	0.272	0.006	0.73494
594024.08	4129053.84	0.038	0.457	0.295	0.007	0.79742
594058.51	4129053.84	0.041	0.497	0.321	0.008	0.86614
594092.94	4129053.84	0.045	0.540	0.349	0.008	0.94139
594127.37	4129053.84	0.049	0.587	0.379	0.009	1.02389
594161.8	4129053.84	0.053	0.639	0.412	0.010	1.11375
594196.23	4129053.84	0.058	0.694	0.448	0.011	1.21094
594230.66	4129053.84	0.062	0.754	0.487	0.012	1.31541
594265.09	4129053.84	0.068	0.818	0.528	0.013	1.42562
594299.52	4129053.84	0.073	0.883	0.570	0.014	1.54012
593920.79	4129072.5	0.030	0.361	0.233	0.006	0.63005
593955.22	4129072.5	0.032	0.390	0.252	0.006	0.68011
593989.65	4129072.5	0.035	0.421	0.272	0.006	0.73491
594024.08	4129072.5	0.038	0.456	0.294	0.007	0.79498
594058.51	4129072.5	0.041	0.494	0.319	0.008	0.86068
594092.94	4129072.5	0.044	0.535	0.345	0.008	0.93207
594127.37	4129072.5	0.048	0.579	0.374	0.009	1.00971
594161.8	4129072.5	0.052	0.627	0.405	0.010	1.09345
594196.23	4129072.5	0.056	0.678	0.438	0.010	1.18300
594230.66	4129072.5	0.061	0.733	0.473	0.011	1.27794
594265.09	4129072.5	0.065	0.789	0.510	0.012	1.37647
594299.52	4129072.5	0.070	0.847	0.547	0.013	1.47684
593920.79	4129091.16	0.030	0.362	0.234	0.006	0.63144
593955.22	4129091.16	0.032	0.390	0.252	0.006	0.67981
593989.65	4129091.16	0.035	0.420	0.271	0.006	0.73269
594024.08	4129091.16	0.038	0.453	0.293	0.007	0.79015
594058.51	4129091.16	0.040	0.489	0.316	0.008	0.85257
594092.94	4129091.16	0.044	0.528	0.341	0.008	0.92012
594127.37	4129091.16	0.047	0.569	0.368	0.009	0.99278
594161.8	4129091.16	0.051	0.614	0.396	0.009	1.07036
594196.23	4129091.16	0.055	0.661	0.427	0.010	1.15231
594230.66	4129091.16	0.059	0.710	0.458	0.011	1.23783
594265.09	4129091.16	0.063	0.760	0.491	0.012	1.32518
594299.52	4129091.16	0.067	0.810	0.523	0.012	1.41226
593920.79	4129109.82	0.030	0.362	0.234	0.006	0.63109
593955.22	4129109.82	0.032	0.389	0.251	0.006	0.67775
593989.65	4129109.82	0.035	0.418	0.270	0.006	0.72847
594024.08	4129109.82	0.037	0.449	0.290	0.007	0.78317
594058.51	4129109.82	0.040	0.483	0.312	0.007	0.84234
594092.94	4129109.82	0.043	0.519	0.335	0.008	0.90579
594127.37	4129109.82	0.046	0.558	0.360	0.009	0.97343
594161.8	4129109.82	0.050	0.599	0.387	0.009	1.04486
594196.23	4129109.82	0.053	0.642	0.414	0.010	1.11937
594230.66	4129109.82	0.057	0.686	0.443	0.011	1.19581

594265.09	4129109.82	0.060	0.730	0.471	0.011	1.27254
594299.52	4129109.82	0.064	0.773	0.499	0.012	1.34729
593920.79	4129128.48	0.030	0.361	0.233	0.006	0.62913
593955.22	4129128.48	0.032	0.386	0.250	0.006	0.67398
593989.65	4129128.48	0.034	0.414	0.267	0.006	0.72242
594024.08	4129128.48	0.037	0.444	0.287	0.007	0.77434
594058.51	4129128.48	0.039	0.476	0.307	0.007	0.83011
594092.94	4129128.48	0.042	0.510	0.329	0.008	0.88944
594127.37	4129128.48	0.045	0.546	0.352	0.008	0.95206
594161.8	4129128.48	0.048	0.583	0.377	0.009	1.01743
594196.23	4129128.48	0.052	0.622	0.402	0.010	1.08471
594230.66	4129128.48	0.055	0.661	0.427	0.010	1.15260
594265.09	4129128.48	0.058	0.699	0.451	0.011	1.21939
594299.52	4129128.48	0.061	0.736	0.475	0.011	1.28284
594246.14	4128630.32	0.034	0.408	0.264	0.006	0.71231
594272.5	4128630.32	0.037	0.450	0.291	0.007	0.78506
594298.86	4128630.32	0.041	0.499	0.322	0.008	0.87029
594325.22	4128630.32	0.046	0.557	0.360	0.009	0.97110
594351.58	4128630.32	0.052	0.626	0.404	0.010	1.09158
594377.94	4128630.32	0.059	0.709	0.458	0.011	1.23732
594404.3	4128630.32	0.067	0.812	0.525	0.013	1.41611
594430.66	4128630.32	0.078	0.940	0.607	0.014	1.63895
594246.14	4128664.43	0.039	0.470	0.304	0.007	0.81975
594272.5	4128664.43	0.043	0.522	0.337	0.008	0.90983
594298.86	4128664.43	0.048	0.583	0.376	0.009	1.01623
594325.22	4128664.43	0.054	0.655	0.423	0.010	1.14307
594351.58	4128664.43	0.062	0.743	0.480	0.011	1.29591
594377.94	4128664.43	0.070	0.850	0.549	0.013	1.48232
594404.3	4128664.43	0.081	0.982	0.634	0.015	1.71266
594430.66	4128664.43	0.095	1.150	0.743	0.018	2.00499
594246.14	4128698.54	0.045	0.537	0.347	0.008	0.93756
594272.5	4128698.54	0.050	0.600	0.387	0.009	1.04576
594298.86	4128698.54	0.056	0.673	0.435	0.010	1.17396
594325.22	4128698.54	0.063	0.761	0.492	0.012	1.32814
594351.58	4128698.54	0.072	0.870	0.562	0.013	1.51657
594377.94	4128698.54	0.083	1.000	0.646	0.015	1.74473
594404.3	4128698.54	0.096	1.162	0.751	0.018	2.02697
594430.66	4128698.54	0.113	1.367	0.883	0.021	2.38439
594246.14	4128732.65	0.050	0.607	0.392	0.009	1.05803
594272.5	4128732.65	0.056	0.679	0.439	0.010	1.18501
594298.86	4128732.65	0.063	0.765	0.494	0.012	1.33490
594325.22	4128732.65	0.072	0.869	0.561	0.013	1.51499
594351.58	4128732.65	0.082	0.994	0.642	0.015	1.73336
594377.94	4128732.65	0.095	1.147	0.741	0.018	2.00090

594404.3	4128732.65	0.111	1.335	0.862	0.021	2.32820
594430.66	4128732.65	0.130	1.570	1.014	0.024	2.73799
594246.14	4128766.76	0.056	0.676	0.436	0.010	1.17824
594272.5	4128766.76	0.063	0.758	0.489	0.012	1.32143
594298.86	4128766.76	0.071	0.855	0.552	0.013	1.49079
594325.22	4128766.76	0.080	0.971	0.627	0.015	1.69257
594351.58	4128766.76	0.092	1.110	0.717	0.017	1.93626
594377.94	4128766.76	0.106	1.279	0.826	0.020	2.23004
594404.3	4128766.76	0.123	1.485	0.958	0.023	2.58874
594430.66	4128766.76	0.144	1.739	1.122	0.027	3.03145
594246.14	4128800.87	0.061	0.739	0.477	0.011	1.28880
594272.5	4128800.87	0.069	0.828	0.535	0.013	1.44422
594298.86	4128800.87	0.077	0.933	0.603	0.014	1.62744
594325.22	4128800.87	0.088	1.057	0.683	0.016	1.84390
594351.58	4128800.87	0.100	1.205	0.778	0.019	2.10137
594377.94	4128800.87	0.114	1.382	0.892	0.021	2.41002
594404.3	4128800.87	0.132	1.596	1.030	0.025	2.78264
594430.66	4128800.87	0.154	1.856	1.198	0.029	3.23645
594246.14	4128834.98	0.066	0.794	0.513	0.012	1.38474
594272.5	4128834.98	0.073	0.887	0.573	0.014	1.54716
594298.86	4128834.98	0.082	0.996	0.643	0.015	1.73635
594325.22	4128834.98	0.093	1.123	0.725	0.017	1.95777
594351.58	4128834.98	0.105	1.272	0.821	0.020	2.21814
594377.94	4128834.98	0.120	1.449	0.935	0.022	2.52578
594404.3	4128834.98	0.137	1.658	1.070	0.026	2.89105
594430.66	4128834.98	0.158	1.908	1.232	0.029	3.32736
594246.14	4128869.09	0.069	0.836	0.540	0.013	1.45748
594272.5	4128869.09	0.077	0.929	0.600	0.014	1.62054
594298.86	4128869.09	0.086	1.037	0.669	0.016	1.80815
594325.22	4128869.09	0.096	1.161	0.749	0.018	2.02457
594351.58	4128869.09	0.108	1.305	0.842	0.020	2.27481
594377.94	4128869.09	0.122	1.471	0.949	0.023	2.56485
594404.3	4128869.09	0.138	1.664	1.074	0.026	2.90146
594430.66	4128869.09	0.156	1.889	1.219	0.029	3.29273
594246.14	4128903.2	0.071	0.861	0.556	0.013	1.50181
594272.5	4128903.2	0.079	0.951	0.614	0.015	1.65904
594298.86	4128903.2	0.087	1.054	0.680	0.016	1.83704
594325.22	4128903.2	0.097	1.169	0.755	0.018	2.03873
594351.58	4128903.2	0.108	1.300	0.839	0.020	2.26716
594377.94	4128903.2	0.120	1.448	0.935	0.022	2.52549
594404.3	4128903.2	0.134	1.616	1.043	0.025	2.81692
594430.66	4128903.2	0.149	1.803	1.164	0.028	3.14409
594246.14	4128937.31	0.072	0.869	0.561	0.013	1.51508
594272.5	4128937.31	0.079	0.952	0.615	0.015	1.66050

594298.86	4128937.31	0.087	1.045	0.675	0.016	1.82221
594325.22	4128937.31	0.095	1.148	0.741	0.018	2.00198
594351.58	4128937.31	0.104	1.262	0.814	0.019	2.20031
594377.94	4128937.31	0.115	1.387	0.895	0.021	2.41832
594404.3	4128937.31	0.126	1.523	0.983	0.023	2.65617
594430.66	4128937.31	0.138	1.671	1.078	0.026	2.91271
594242.73	4128487.55	0.018	0.222	0.144	0.003	0.38762
594265.81	4128487.55	0.019	0.234	0.152	0.004	0.40881
594288.89	4128487.55	0.020	0.247	0.160	0.004	0.43147
594311.97	4128487.55	0.022	0.261	0.169	0.004	0.45640
594335.05	4128487.55	0.023	0.277	0.180	0.004	0.48372
594358.13	4128487.55	0.024	0.294	0.191	0.005	0.51374
594381.21	4128487.55	0.026	0.313	0.203	0.005	0.54586
594404.29	4128487.55	0.028	0.333	0.216	0.005	0.58092
594427.37	4128487.55	0.029	0.355	0.230	0.005	0.61931
594450.45	4128487.55	0.031	0.379	0.246	0.006	0.66142
594473.53	4128487.55	0.034	0.406	0.263	0.006	0.70962
594242.73	4128510.84	0.020	0.244	0.158	0.004	0.42615
594265.81	4128510.84	0.021	0.259	0.168	0.004	0.45176
594288.89	4128510.84	0.023	0.275	0.178	0.004	0.47974
594311.97	4128510.84	0.024	0.292	0.189	0.005	0.51065
594335.05	4128510.84	0.026	0.312	0.202	0.005	0.54498
594358.13	4128510.84	0.028	0.334	0.216	0.005	0.58289
594381.21	4128510.84	0.030	0.358	0.232	0.006	0.62456
594404.29	4128510.84	0.032	0.384	0.249	0.006	0.67093
594427.37	4128510.84	0.034	0.414	0.268	0.006	0.72280
594450.45	4128510.84	0.037	0.448	0.290	0.007	0.78190
594473.53	4128510.84	0.040	0.487	0.315	0.008	0.84986
594242.73	4128534.13	0.022	0.269	0.174	0.004	0.46913
594265.81	4128534.13	0.024	0.286	0.186	0.004	0.50012
594288.89	4128534.13	0.025	0.306	0.198	0.005	0.53440
594311.97	4128534.13	0.027	0.328	0.212	0.005	0.57247
594335.05	4128534.13	0.029	0.352	0.228	0.005	0.61490
594358.13	4128534.13	0.031	0.379	0.246	0.006	0.66243
594381.21	4128534.13	0.034	0.410	0.266	0.006	0.71596
594404.29	4128534.13	0.037	0.445	0.288	0.007	0.77668
594427.37	4128534.13	0.040	0.485	0.314	0.007	0.84682
594450.45	4128534.13	0.044	0.532	0.344	0.008	0.92881
594473.53	4128534.13	0.049	0.586	0.379	0.009	1.02279
594242.73	4128557.42	0.025	0.296	0.192	0.005	0.51701
594265.81	4128557.42	0.026	0.317	0.205	0.005	0.55397
594288.89	4128557.42	0.028	0.341	0.221	0.005	0.59529
594311.97	4128557.42	0.030	0.368	0.238	0.006	0.64170
594335.05	4128557.42	0.033	0.398	0.257	0.006	0.69407

594358.13	4128557.42	0.036	0.432	0.279	0.007	0.75359
594381.21	4128557.42	0.039	0.471	0.305	0.007	0.82169
594404.29	4128557.42	0.043	0.516	0.334	0.008	0.90026
594427.37	4128557.42	0.047	0.569	0.368	0.009	0.99273
594450.45	4128557.42	0.052	0.632	0.409	0.010	1.10318
594473.53	4128557.42	0.059	0.707	0.457	0.011	1.23327
594242.73	4128580.71	0.027	0.327	0.211	0.005	0.57025
594265.81	4128580.71	0.029	0.352	0.228	0.005	0.61408
594288.89	4128580.71	0.031	0.380	0.246	0.006	0.66354
594311.97	4128580.71	0.034	0.412	0.267	0.006	0.71965
594335.05	4128580.71	0.037	0.449	0.291	0.007	0.78375
594358.13	4128580.71	0.041	0.491	0.318	0.008	0.85747
594381.21	4128580.71	0.045	0.540	0.350	0.008	0.94301
594404.29	4128580.71	0.050	0.598	0.387	0.009	1.04410
594427.37	4128580.71	0.055	0.667	0.431	0.010	1.16413
594450.45	4128580.71	0.062	0.750	0.485	0.012	1.30865
594473.53	4128580.71	0.071	0.852	0.551	0.013	1.48734
594276.7	4128388.72	0.013	0.157	0.102	0.002	0.27493
594305.04	4128388.72	0.014	0.164	0.107	0.003	0.28610
594333.38	4128388.72	0.014	0.170	0.111	0.003	0.29751
594361.72	4128388.72	0.015	0.177	0.115	0.003	0.30920
594390.06	4128388.72	0.015	0.184	0.120	0.003	0.32119
594418.4	4128388.72	0.016	0.190	0.124	0.003	0.33313
594276.7	4128417	0.015	0.177	0.115	0.003	0.30993
594305.04	4128417	0.015	0.186	0.121	0.003	0.32481
594333.38	4128417	0.016	0.195	0.127	0.003	0.34042
594361.72	4128417	0.017	0.204	0.133	0.003	0.35695
594390.06	4128417	0.018	0.214	0.139	0.003	0.37417
594418.4	4128417	0.019	0.224	0.146	0.003	0.39194
594276.7	4128445.28	0.017	0.200	0.130	0.003	0.34928
594305.04	4128445.28	0.017	0.211	0.137	0.003	0.36918
594333.38	4128445.28	0.018	0.223	0.145	0.003	0.39051
594361.72	4128445.28	0.020	0.237	0.154	0.004	0.41356
594390.06	4128445.28	0.021	0.251	0.163	0.004	0.43801
594418.4	4128445.28	0.022	0.265	0.172	0.004	0.46405
594276.7	4128473.56	0.019	0.226	0.146	0.003	0.39447
594305.04	4128473.56	0.020	0.241	0.156	0.004	0.42031
594333.38	4128473.56	0.021	0.257	0.167	0.004	0.44902
594361.72	4128473.56	0.023	0.275	0.179	0.004	0.48077
594390.06	4128473.56	0.024	0.295	0.191	0.005	0.51508
594418.4	4128473.56	0.026	0.316	0.205	0.005	0.55275
594019.56	4128351.99	0.008	0.099	0.064	0.002	0.17274
594057.87	4128351.99	0.009	0.104	0.068	0.002	0.18140
594096.18	4128351.99	0.009	0.109	0.071	0.002	0.19025

594134.49	4128351.99	0.009	0.114	0.074	0.002	0.19937
594172.8	4128351.99	0.010	0.119	0.078	0.002	0.20864
594211.11	4128351.99	0.010	0.125	0.081	0.002	0.21817
594019.56	4128372.85	0.009	0.104	0.068	0.002	0.18188
594057.87	4128372.85	0.009	0.110	0.071	0.002	0.19174
594096.18	4128372.85	0.010	0.115	0.075	0.002	0.20204
594134.49	4128372.85	0.010	0.122	0.079	0.002	0.21289
594172.8	4128372.85	0.011	0.128	0.083	0.002	0.22409
594211.11	4128372.85	0.011	0.135	0.088	0.002	0.23568
594019.56	4128393.71	0.009	0.109	0.071	0.002	0.19137
594057.87	4128393.71	0.010	0.116	0.075	0.002	0.20264
594096.18	4128393.71	0.010	0.123	0.080	0.002	0.21459
594134.49	4128393.71	0.011	0.130	0.085	0.002	0.22722
594172.8	4128393.71	0.011	0.137	0.090	0.002	0.24046
594211.11	4128393.71	0.012	0.146	0.095	0.002	0.25461
594019.56	4128414.57	0.010	0.115	0.075	0.002	0.20149
594057.87	4128414.57	0.010	0.122	0.080	0.002	0.21418
594096.18	4128414.57	0.011	0.130	0.085	0.002	0.22784
594134.49	4128414.57	0.011	0.139	0.090	0.002	0.24248
594172.8	4128414.57	0.012	0.148	0.096	0.002	0.25806
594211.11	4128414.57	0.013	0.157	0.102	0.002	0.27506
594019.56	4128435.43	0.010	0.121	0.079	0.002	0.21238
594057.87	4128435.43	0.011	0.130	0.084	0.002	0.22652
594096.18	4128435.43	0.011	0.138	0.090	0.002	0.24191
594134.49	4128435.43	0.012	0.148	0.096	0.002	0.25888
594172.8	4128435.43	0.013	0.158	0.103	0.002	0.27706
594211.11	4128435.43	0.014	0.170	0.110	0.003	0.29720
594019.56	4128456.29	0.011	0.128	0.083	0.002	0.22400
594057.87	4128456.29	0.011	0.137	0.089	0.002	0.23987
594096.18	4128456.29	0.012	0.147	0.096	0.002	0.25720
594134.49	4128456.29	0.013	0.158	0.103	0.002	0.27638
594172.8	4128456.29	0.014	0.170	0.111	0.003	0.29761
594211.11	4128456.29	0.015	0.184	0.119	0.003	0.32114
594019.56	4128477.15	0.011	0.135	0.088	0.002	0.23675
594057.87	4128477.15	0.012	0.146	0.095	0.002	0.25444
594096.18	4128477.15	0.013	0.157	0.102	0.002	0.27387
594134.49	4128477.15	0.014	0.169	0.110	0.003	0.29554
594172.8	4128477.15	0.015	0.183	0.119	0.003	0.32008
594211.11	4128477.15	0.016	0.199	0.129	0.003	0.34727
594019.56	4128498.01	0.012	0.143	0.093	0.002	0.25061
594057.87	4128498.01	0.013	0.155	0.100	0.002	0.27022
594096.18	4128498.01	0.014	0.167	0.108	0.003	0.29196
594134.49	4128498.01	0.015	0.181	0.117	0.003	0.31643
594172.8	4128498.01	0.016	0.197	0.128	0.003	0.34451

594211.11	4128498.01	0.018	0.215	0.139	0.003	0.37572
593932.1	4128545.28	0.011	0.138	0.089	0.002	0.24101
593958.16	4128545.28	0.012	0.145	0.094	0.002	0.25335
593984.22	4128545.28	0.013	0.153	0.099	0.002	0.26664
594010.28	4128545.28	0.013	0.161	0.104	0.002	0.28108
594036.34	4128545.28	0.014	0.170	0.110	0.003	0.29681
594062.4	4128545.28	0.015	0.180	0.117	0.003	0.31398
594088.46	4128545.28	0.016	0.191	0.124	0.003	0.33292
594114.52	4128545.28	0.017	0.203	0.131	0.003	0.35374
594140.58	4128545.28	0.018	0.216	0.140	0.003	0.37651
594166.64	4128545.28	0.019	0.230	0.149	0.004	0.40165
594192.7	4128545.28	0.020	0.246	0.159	0.004	0.42909
593932.1	4128616.57	0.014	0.166	0.107	0.003	0.28939
593958.16	4128616.57	0.015	0.176	0.114	0.003	0.30638
593984.22	4128616.57	0.015	0.186	0.120	0.003	0.32478
594010.28	4128616.57	0.016	0.198	0.128	0.003	0.34485
594036.34	4128616.57	0.017	0.210	0.136	0.003	0.36700
594062.4	4128616.57	0.019	0.224	0.145	0.003	0.39150
594088.46	4128616.57	0.020	0.240	0.155	0.004	0.41872
594114.52	4128616.57	0.021	0.257	0.167	0.004	0.44908
594140.58	4128616.57	0.023	0.277	0.179	0.004	0.48309
594166.64	4128616.57	0.025	0.298	0.193	0.005	0.52051
594192.7	4128616.57	0.027	0.323	0.209	0.005	0.56373
593932.1	4128687.86	0.016	0.198	0.128	0.003	0.34522
593958.16	4128687.86	0.017	0.211	0.136	0.003	0.36787
593984.22	4128687.86	0.019	0.225	0.146	0.003	0.39267
594010.28	4128687.86	0.020	0.241	0.156	0.004	0.42039
594036.34	4128687.86	0.021	0.259	0.167	0.004	0.45111
594062.4	4128687.86	0.023	0.278	0.180	0.004	0.48526
594088.46	4128687.86	0.025	0.300	0.194	0.005	0.52362
594114.52	4128687.86	0.027	0.325	0.210	0.005	0.56690
594140.58	4128687.86	0.029	0.353	0.228	0.005	0.61533
594166.64	4128687.86	0.032	0.385	0.249	0.006	0.67119
594192.7	4128687.86	0.035	0.421	0.272	0.006	0.73529
593920.36	4128705.8	0.017	0.201	0.130	0.003	0.35038
593960.05	4128705.8	0.018	0.222	0.143	0.003	0.38653
593999.74	4128705.8	0.020	0.246	0.159	0.004	0.42895
594039.43	4128705.8	0.023	0.274	0.177	0.004	0.47826
594079.12	4128705.8	0.025	0.308	0.199	0.005	0.53696
594118.81	4128705.8	0.029	0.348	0.225	0.005	0.60755
594158.5	4128705.8	0.033	0.397	0.257	0.006	0.69343
594198.19	4128705.8	0.038	0.458	0.296	0.007	0.79929
593920.36	4128732.44	0.018	0.214	0.138	0.003	0.37300
593960.05	4128732.44	0.020	0.237	0.153	0.004	0.41278

593999.74	4128732.44	0.022	0.263	0.170	0.004	0.45958
594039.43	4128732.44	0.024	0.295	0.191	0.005	0.51421
594079.12	4128732.44	0.028	0.332	0.215	0.005	0.57947
594118.81	4128732.44	0.031	0.378	0.244	0.006	0.65882
594158.5	4128732.44	0.036	0.432	0.279	0.007	0.75421
594198.19	4128732.44	0.041	0.500	0.323	0.008	0.87287
593920.36	4128759.08	0.019	0.228	0.147	0.004	0.39709
593960.05	4128759.08	0.021	0.253	0.163	0.004	0.44070
593999.74	4128759.08	0.023	0.282	0.182	0.004	0.49153
594039.43	4128759.08	0.026	0.316	0.205	0.005	0.55204
594079.12	4128759.08	0.030	0.358	0.231	0.006	0.62395
594118.81	4128759.08	0.034	0.408	0.263	0.006	0.71112
594158.5	4128759.08	0.039	0.468	0.303	0.007	0.81683
594198.19	4128759.08	0.045	0.543	0.351	0.008	0.94792
593920.36	4128785.72	0.020	0.242	0.156	0.004	0.42189
593960.05	4128785.72	0.022	0.269	0.174	0.004	0.46926
593999.74	4128785.72	0.025	0.301	0.194	0.005	0.52492
594039.43	4128785.72	0.028	0.339	0.219	0.005	0.59082
594079.12	4128785.72	0.032	0.384	0.248	0.006	0.66931
594118.81	4128785.72	0.036	0.438	0.283	0.007	0.76393
594158.5	4128785.72	0.042	0.504	0.326	0.008	0.87933
594198.19	4128785.72	0.048	0.585	0.378	0.009	1.02104
593920.36	4128812.36	0.021	0.257	0.166	0.004	0.44806
593960.05	4128812.36	0.024	0.286	0.185	0.004	0.49923
593999.74	4128812.36	0.027	0.320	0.207	0.005	0.55892
594039.43	4128812.36	0.030	0.361	0.233	0.006	0.62958
594079.12	4128812.36	0.034	0.409	0.264	0.006	0.71384
594118.81	4128812.36	0.039	0.467	0.302	0.007	0.81537
594158.5	4128812.36	0.045	0.538	0.348	0.008	0.93883
594198.19	4128812.36	0.052	0.625	0.404	0.010	1.09046
593920.36	4128839	0.023	0.272	0.176	0.004	0.47472
593960.05	4128839	0.025	0.303	0.196	0.005	0.52903
593999.74	4128839	0.028	0.340	0.219	0.005	0.59252
594039.43	4128839	0.032	0.383	0.247	0.006	0.66760
594079.12	4128839	0.036	0.434	0.280	0.007	0.75703
594118.81	4128839	0.041	0.496	0.320	0.008	0.86436
594158.5	4128839	0.047	0.570	0.368	0.009	0.99425
594198.19	4128839	0.055	0.661	0.427	0.010	1.15286
593920.36	4128865.64	0.024	0.287	0.186	0.004	0.50092
593960.05	4128865.64	0.026	0.320	0.207	0.005	0.55810
593999.74	4128865.64	0.030	0.358	0.232	0.006	0.62506
594039.43	4128865.64	0.033	0.404	0.261	0.006	0.70396
594079.12	4128865.64	0.038	0.457	0.295	0.007	0.79753
594118.81	4128865.64	0.043	0.521	0.337	0.008	0.90921



594158.5	4128865.64	0.050	0.598	0.386	0.009	1.04350
594198.19	4128865.64	0.057	0.692	0.447	0.011	1.20615
593920.36	4128892.28	0.025	0.302	0.195	0.005	0.52618
593960.05	4128892.28	0.028	0.336	0.217	0.005	0.58597
593999.74	4128892.28	0.031	0.376	0.243	0.006	0.65569
594039.43	4128892.28	0.035	0.423	0.273	0.007	0.73745
594079.12	4128892.28	0.040	0.478	0.309	0.007	0.83385
594118.81	4128892.28	0.045	0.544	0.351	0.008	0.94815
594158.5	4128892.28	0.051	0.622	0.402	0.010	1.08444
594198.19	4128892.28	0.059	0.716	0.462	0.011	1.24790
593920.36	4128918.92	0.026	0.315	0.204	0.005	0.54996
593960.05	4128918.92	0.029	0.351	0.226	0.005	0.61160
593999.74	4128918.92	0.032	0.392	0.253	0.006	0.68322
594039.43	4128918.92	0.036	0.440	0.284	0.007	0.76670
594079.12	4128918.92	0.041	0.496	0.320	0.008	0.86445
594118.81	4128918.92	0.047	0.562	0.363	0.009	0.97939
594158.5	4128918.92	0.053	0.639	0.413	0.010	1.11513
594198.19	4128918.92	0.061	0.732	0.472	0.011	1.27602
593920.36	4128945.56	0.027	0.328	0.212	0.005	0.57161
593960.05	4128945.56	0.030	0.364	0.235	0.006	0.63445
593999.74	4128945.56	0.034	0.405	0.262	0.006	0.70702
594039.43	4128945.56	0.038	0.454	0.293	0.007	0.79103
594079.12	4128945.56	0.042	0.510	0.329	0.008	0.88861
594118.81	4128945.56	0.048	0.575	0.371	0.009	1.00227
594158.5	4128945.56	0.054	0.651	0.420	0.010	1.13500
594198.19	4128945.56	0.061	0.740	0.478	0.011	1.29029
595128.75	4128512.05	0.271	3.277	2.115	0.050	5.71281
595157.74	4128512.05	0.239	2.881	1.860	0.044	5.02395
595128.75	4128529.32	0.277	3.343	2.157	0.051	5.82803
595157.74	4128529.32	0.241	2.913	1.880	0.045	5.07958
595128.75	4128546.59	0.279	3.364	2.171	0.052	5.86604
595157.74	4128546.59	0.241	2.911	1.879	0.045	5.07484
595362.46	4128329.27	0.096	1.159	0.748	0.018	2.02175
595397.07	4128329.27	0.089	1.070	0.691	0.016	1.86521
595431.68	4128329.27	0.082	0.985	0.636	0.015	1.71769
595466.29	4128329.27	0.075	0.906	0.585	0.014	1.57967
595362.46	4128386.58	0.103	1.248	0.806	0.019	2.17668
595397.07	4128386.58	0.094	1.130	0.730	0.017	1.97113
595431.68	4128386.58	0.085	1.023	0.660	0.016	1.78384
595466.29	4128386.58	0.077	0.926	0.598	0.014	1.61402
595362.46	4128443.89	0.106	1.275	0.823	0.020	2.22333
595397.07	4128443.89	0.094	1.133	0.731	0.017	1.97551
595431.68	4128443.89	0.083	1.008	0.651	0.016	1.75716
595466.29	4128443.89	0.074	0.898	0.580	0.014	1.56518

595362.46	4128501.2	0.101	1.219	0.787	0.019	2.12537
595397.07	4128501.2	0.088	1.065	0.687	0.016	1.85650
595431.68	4128501.2	0.077	0.933	0.602	0.014	1.62708
595466.29	4128501.2	0.068	0.821	0.530	0.013	1.43113
594785.72	4129528.1	0.014	0.172	0.112	0.003	0.30059
594896.78	4129528.1	0.011	0.135	0.088	0.002	0.23563
595007.84	4129528.1	0.008	0.095	0.062	0.001	0.16596
595118.9	4129528.1	0.007	0.083	0.054	0.001	0.14519
595229.96	4129528.1	0.007	0.080	0.053	0.001	0.14020
594785.72	4129568.18	0.013	0.158	0.103	0.002	0.27634
594896.78	4129568.18	0.010	0.126	0.082	0.002	0.21973
595007.84	4129568.18	0.007	0.088	0.058	0.001	0.15457
595118.9	4129568.18	0.006	0.076	0.050	0.001	0.13336
595229.96	4129568.18	0.006	0.074	0.049	0.001	0.12964
594785.72	4129608.26	0.012	0.146	0.095	0.002	0.25507
594896.78	4129608.26	0.010	0.118	0.076	0.002	0.20568
595007.84	4129608.26	0.007	0.083	0.054	0.001	0.14467
595118.9	4129608.26	0.006	0.070	0.046	0.001	0.12292
595229.96	4129608.26	0.006	0.068	0.045	0.001	0.11983
594785.72	4129648.34	0.011	0.135	0.088	0.002	0.23631
594896.78	4129648.34	0.009	0.110	0.072	0.002	0.19307
595007.84	4129648.34	0.006	0.078	0.051	0.001	0.13599
595118.9	4129648.34	0.005	0.065	0.042	0.001	0.11378
595229.96	4129648.34	0.005	0.063	0.042	0.001	0.11098
594785.72	4129688.42	0.010	0.126	0.081	0.002	0.21962
594896.78	4129688.42	0.009	0.104	0.068	0.002	0.18176
595007.84	4129688.42	0.006	0.073	0.048	0.001	0.12836
595118.9	4129688.42	0.005	0.060	0.039	0.001	0.10572
595229.96	4129688.42	0.005	0.059	0.038	0.001	0.10301
594785.72	4129728.5	0.010	0.117	0.076	0.002	0.20474
594896.78	4129728.5	0.008	0.098	0.064	0.002	0.17150
595007.84	4129728.5	0.006	0.070	0.045	0.001	0.12160
595118.9	4129728.5	0.005	0.056	0.037	0.001	0.09865
595229.96	4129728.5	0.005	0.055	0.036	0.001	0.09574
594785.72	4129768.58	0.009	0.110	0.071	0.002	0.19146
594896.78	4129768.58	0.008	0.093	0.060	0.001	0.16218
595007.84	4129768.58	0.005	0.066	0.043	0.001	0.11556
595118.9	4129768.58	0.004	0.053	0.034	0.001	0.09238
595229.96	4129768.58	0.004	0.051	0.033	0.001	0.08906
594785.72	4129808.66	0.009	0.103	0.067	0.002	0.17958
594896.78	4129808.66	0.007	0.088	0.057	0.001	0.15368
595007.84	4129808.66	0.005	0.063	0.041	0.001	0.11014
595118.9	4129808.66	0.004	0.050	0.032	0.001	0.08689
595229.96	4129808.66	0.004	0.047	0.031	0.001	0.08304

593938.13	4129525.18	0.020	0.240	0.155	0.004	0.41927
594005.94	4129525.18	0.020	0.247	0.160	0.004	0.43080
594073.75	4129525.18	0.021	0.250	0.162	0.004	0.43643
594141.56	4129525.18	0.021	0.250	0.161	0.004	0.43599
594209.37	4129525.18	0.020	0.247	0.159	0.004	0.43032
594277.18	4129525.18	0.020	0.242	0.156	0.004	0.42152
594344.99	4129525.18	0.020	0.236	0.152	0.004	0.41143
594412.8	4129525.18	0.019	0.229	0.148	0.004	0.39934
594480.61	4129525.18	0.018	0.219	0.141	0.003	0.38157
594548.42	4129525.18	0.017	0.204	0.132	0.003	0.35632
594616.23	4129525.18	0.016	0.189	0.122	0.003	0.33025
593938.13	4129583.05	0.018	0.219	0.141	0.003	0.38109
594005.94	4129583.05	0.018	0.222	0.143	0.003	0.38663
594073.75	4129583.05	0.018	0.222	0.143	0.003	0.38720
594141.56	4129583.05	0.018	0.220	0.142	0.003	0.38320
594209.37	4129583.05	0.018	0.216	0.139	0.003	0.37617
594277.18	4129583.05	0.017	0.211	0.136	0.003	0.36792
594344.99	4129583.05	0.017	0.206	0.133	0.003	0.35930
594412.8	4129583.05	0.017	0.200	0.129	0.003	0.34851
594480.61	4129583.05	0.016	0.190	0.123	0.003	0.33202
594548.42	4129583.05	0.015	0.177	0.115	0.003	0.30943
594616.23	4129583.05	0.014	0.165	0.107	0.003	0.28757
593938.13	4129640.92	0.016	0.198	0.128	0.003	0.34534
594005.94	4129640.92	0.016	0.199	0.128	0.003	0.34658
594073.75	4129640.92	0.016	0.197	0.127	0.003	0.34395
594141.56	4129640.92	0.016	0.194	0.125	0.003	0.33836
594209.37	4129640.92	0.016	0.190	0.123	0.003	0.33134
594277.18	4129640.92	0.015	0.186	0.120	0.003	0.32424
594344.99	4129640.92	0.015	0.182	0.117	0.003	0.31696
594412.8	4129640.92	0.015	0.176	0.114	0.003	0.30696
594480.61	4129640.92	0.014	0.167	0.108	0.003	0.29142
594548.42	4129640.92	0.013	0.155	0.101	0.002	0.27114
594616.23	4129640.92	0.012	0.145	0.094	0.002	0.25281
593938.13	4129698.79	0.015	0.179	0.116	0.003	0.31249
594005.94	4129698.79	0.015	0.178	0.115	0.003	0.31080
594073.75	4129698.79	0.015	0.176	0.114	0.003	0.30642
594141.56	4129698.79	0.014	0.172	0.111	0.003	0.30042
594209.37	4129698.79	0.014	0.169	0.109	0.003	0.29414
594277.18	4129698.79	0.014	0.165	0.107	0.003	0.28827
594344.99	4129698.79	0.013	0.162	0.104	0.002	0.28191
594412.8	4129698.79	0.013	0.156	0.101	0.002	0.27238
594480.61	4129698.79	0.012	0.148	0.096	0.002	0.25772
594548.42	4129698.79	0.011	0.137	0.089	0.002	0.23952
594616.23	4129698.79	0.011	0.128	0.083	0.002	0.22415

593938.13	4129756.66	0.013	0.162	0.105	0.002	0.28253
594005.94	4129756.66	0.013	0.160	0.103	0.002	0.27930
594073.75	4129756.66	0.013	0.157	0.102	0.002	0.27413
594141.56	4129756.66	0.013	0.154	0.099	0.002	0.26845
594209.37	4129756.66	0.012	0.151	0.098	0.002	0.26328
594277.18	4129756.66	0.012	0.148	0.096	0.002	0.25844
594344.99	4129756.66	0.012	0.145	0.094	0.002	0.25259
594412.8	4129756.66	0.012	0.139	0.090	0.002	0.24333
594480.61	4129756.66	0.011	0.131	0.085	0.002	0.22940
594548.42	4129756.66	0.010	0.122	0.079	0.002	0.21310
594616.23	4129756.66	0.009	0.115	0.074	0.002	0.20024
593938.13	4129814.53	0.012	0.147	0.095	0.002	0.25574
594005.94	4129814.53	0.012	0.144	0.093	0.002	0.25164
594073.75	4129814.53	0.012	0.141	0.091	0.002	0.24657
594141.56	4129814.53	0.011	0.138	0.090	0.002	0.24159
594209.37	4129814.53	0.011	0.136	0.088	0.002	0.23730
594277.18	4129814.53	0.011	0.134	0.086	0.002	0.23323
594344.99	4129814.53	0.011	0.130	0.084	0.002	0.22767
594412.8	4129814.53	0.010	0.125	0.081	0.002	0.21855
594480.61	4129814.53	0.010	0.118	0.076	0.002	0.20539
594548.42	4129814.53	0.009	0.109	0.071	0.002	0.19082
594616.23	4129814.53	0.009	0.103	0.067	0.002	0.18010
593667	4128083.42	0.003	0.041	0.027	0.001	0.07185
593722.02	4128083.42	0.003	0.042	0.027	0.001	0.07331
593777.04	4128083.42	0.004	0.043	0.028	0.001	0.07467
593832.06	4128083.42	0.004	0.043	0.028	0.001	0.07604
593667	4128157.74	0.004	0.047	0.031	0.001	0.08288
593722.02	4128157.74	0.004	0.049	0.032	0.001	0.08597
593777.04	4128157.74	0.004	0.051	0.033	0.001	0.08899
593832.06	4128157.74	0.004	0.052	0.034	0.001	0.09189
593667	4128232.06	0.004	0.053	0.035	0.001	0.09314
593722.02	4128232.06	0.005	0.056	0.037	0.001	0.09817
593777.04	4128232.06	0.005	0.059	0.039	0.001	0.10336
593832.06	4128232.06	0.005	0.062	0.041	0.001	0.10863
593667	4128306.38	0.005	0.059	0.038	0.001	0.10317
593722.02	4128306.38	0.005	0.063	0.041	0.001	0.10990
593777.04	4128306.38	0.006	0.067	0.044	0.001	0.11719
593832.06	4128306.38	0.006	0.071	0.047	0.001	0.12497
593667	4128380.7	0.005	0.066	0.043	0.001	0.11514
593722.02	4128380.7	0.006	0.071	0.046	0.001	0.12334
593777.04	4128380.7	0.006	0.076	0.049	0.001	0.13245
593832.06	4128380.7	0.007	0.082	0.053	0.001	0.14258
593667	4128455.02	0.006	0.075	0.049	0.001	0.13121
593722.02	4128455.02	0.007	0.081	0.052	0.001	0.14110

593777.04	4128455.02	0.007	0.087	0.057	0.001	0.15230
593832.06	4128455.02	0.008	0.094	0.061	0.001	0.16495
593667	4128529.34	0.007	0.087	0.056	0.001	0.15159
593722.02	4128529.34	0.008	0.094	0.061	0.001	0.16405
593777.04	4128529.34	0.008	0.102	0.066	0.002	0.17828
593832.06	4128529.34	0.009	0.111	0.072	0.002	0.19464
593667	4128603.66	0.008	0.100	0.065	0.002	0.17476
593722.02	4128603.66	0.009	0.109	0.071	0.002	0.19071
593777.04	4128603.66	0.010	0.120	0.078	0.002	0.20917
593832.06	4128603.66	0.011	0.132	0.086	0.002	0.23062
593667	4128677.98	0.009	0.114	0.074	0.002	0.19969
593722.02	4128677.98	0.010	0.126	0.082	0.002	0.22003
593777.04	4128677.98	0.012	0.139	0.090	0.002	0.24347
593832.06	4128677.98	0.013	0.155	0.101	0.002	0.27128
593667	4128752.3	0.011	0.130	0.084	0.002	0.22758
593722.02	4128752.3	0.012	0.145	0.094	0.002	0.25264
593777.04	4128752.3	0.013	0.162	0.105	0.002	0.28227
593832.06	4128752.3	0.015	0.182	0.118	0.003	0.31764
593667	4128826.62	0.012	0.149	0.096	0.002	0.25994
593722.02	4128826.62	0.014	0.167	0.108	0.003	0.29058
593777.04	4128826.62	0.016	0.187	0.121	0.003	0.32697
593832.06	4128826.62	0.018	0.212	0.137	0.003	0.37072
593667	4128900.94	0.014	0.170	0.110	0.003	0.29619
593722.02	4128900.94	0.016	0.191	0.123	0.003	0.33242
593777.04	4128900.94	0.018	0.215	0.139	0.003	0.37555
593832.06	4128900.94	0.020	0.245	0.158	0.004	0.42727
593667	4128975.26	0.016	0.191	0.123	0.003	0.33294
593722.02	4128975.26	0.018	0.214	0.138	0.003	0.37353
593777.04	4128975.26	0.020	0.242	0.156	0.004	0.42133
593832.06	4128975.26	0.023	0.274	0.177	0.004	0.47797
593667	4129049.58	0.017	0.209	0.135	0.003	0.36458
593722.02	4129049.58	0.019	0.233	0.151	0.004	0.40697
593777.04	4129049.58	0.022	0.262	0.169	0.004	0.45611
593832.06	4129049.58	0.024	0.294	0.190	0.005	0.51329
594352.86	4127540.64	0.001	0.011	0.007	0.000	0.01851
594416.15	4127540.64	0.001	0.011	0.007	0.000	0.01988
594479.44	4127540.64	0.001	0.013	0.009	0.000	0.02272
594542.73	4127540.64	0.001	0.016	0.010	0.000	0.02734
594606.02	4127540.64	0.002	0.019	0.013	0.000	0.03402
594669.31	4127540.64	0.002	0.024	0.016	0.000	0.04268
594732.6	4127540.64	0.003	0.030	0.020	0.000	0.05336
594795.89	4127540.64	0.003	0.038	0.025	0.001	0.06592
594859.18	4127540.64	0.004	0.046	0.030	0.001	0.08034
594922.47	4127540.64	0.005	0.055	0.036	0.001	0.09666

594985.76	4127540.64	0.005	0.066	0.043	0.001	0.11467
595049.05	4127540.64	0.006	0.077	0.050	0.001	0.13448
595112.34	4127540.64	0.007	0.089	0.058	0.001	0.15557
595175.63	4127540.64	0.008	0.101	0.066	0.002	0.17732
595238.92	4127540.64	0.009	0.114	0.074	0.002	0.19876
595302.21	4127540.64	0.010	0.126	0.081	0.002	0.21954
595365.5	4127540.64	0.011	0.137	0.089	0.002	0.23860
595428.79	4127540.64	0.012	0.147	0.095	0.002	0.25602
595492.08	4127540.64	0.013	0.155	0.100	0.002	0.27059
595555.37	4127540.64	0.013	0.162	0.105	0.002	0.28240
595618.66	4127540.64	0.014	0.167	0.108	0.003	0.29126
594352.86	4127567.33	0.001	0.011	0.007	0.000	0.01959
594416.15	4127567.33	0.001	0.012	0.008	0.000	0.02085
594479.44	4127567.33	0.001	0.013	0.009	0.000	0.02377
594542.73	4127567.33	0.001	0.016	0.011	0.000	0.02854
594606.02	4127567.33	0.002	0.020	0.013	0.000	0.03555
594669.31	4127567.33	0.002	0.025	0.017	0.000	0.04480
594732.6	4127567.33	0.003	0.032	0.021	0.001	0.05626
594795.89	4127567.33	0.003	0.040	0.026	0.001	0.06981
594859.18	4127567.33	0.004	0.049	0.032	0.001	0.08542
594922.47	4127567.33	0.005	0.059	0.038	0.001	0.10313
594985.76	4127567.33	0.006	0.070	0.046	0.001	0.12298
595049.05	4127567.33	0.007	0.082	0.054	0.001	0.14421
595112.34	4127567.33	0.008	0.096	0.062	0.001	0.16716
595175.63	4127567.33	0.009	0.109	0.071	0.002	0.19047
595238.92	4127567.33	0.010	0.122	0.079	0.002	0.21369
595302.21	4127567.33	0.011	0.135	0.087	0.002	0.23544
595365.5	4127567.33	0.012	0.147	0.095	0.002	0.25584
595428.79	4127567.33	0.013	0.157	0.101	0.002	0.27342
595492.08	4127567.33	0.014	0.165	0.107	0.003	0.28818
595555.37	4127567.33	0.014	0.172	0.111	0.003	0.29979
595618.66	4127567.33	0.015	0.177	0.114	0.003	0.30812
594352.86	4127594.02	0.001	0.012	0.008	0.000	0.02091
594416.15	4127594.02	0.001	0.013	0.008	0.000	0.02212
594479.44	4127594.02	0.001	0.014	0.009	0.000	0.02496
594542.73	4127594.02	0.001	0.017	0.011	0.000	0.02989
594606.02	4127594.02	0.002	0.021	0.014	0.000	0.03722
594669.31	4127594.02	0.002	0.027	0.018	0.000	0.04715
594732.6	4127594.02	0.003	0.034	0.022	0.001	0.05950
594795.89	4127594.02	0.003	0.042	0.028	0.001	0.07417
594859.18	4127594.02	0.004	0.052	0.034	0.001	0.09121
594922.47	4127594.02	0.005	0.063	0.041	0.001	0.11028
594985.76	4127594.02	0.006	0.075	0.049	0.001	0.13189
595049.05	4127594.02	0.007	0.089	0.058	0.001	0.15522

595112.34	4127594.02	0.009	0.103	0.067	0.002	0.17999
595175.63	4127594.02	0.010	0.117	0.076	0.002	0.20513
595238.92	4127594.02	0.011	0.132	0.085	0.002	0.22983
595302.21	4127594.02	0.012	0.145	0.094	0.002	0.25302
595365.5	4127594.02	0.013	0.157	0.102	0.002	0.27420
595428.79	4127594.02	0.014	0.167	0.108	0.003	0.29227
595492.08	4127594.02	0.015	0.176	0.114	0.003	0.30708
595555.37	4127594.02	0.015	0.183	0.118	0.003	0.31852
595618.66	4127594.02	0.015	0.187	0.121	0.003	0.32618
594352.86	4127620.71	0.001	0.012	0.008	0.000	0.02205
594416.15	4127620.71	0.001	0.013	0.009	0.000	0.02348
594479.44	4127620.71	0.001	0.015	0.010	0.000	0.02660
594542.73	4127620.71	0.001	0.018	0.012	0.000	0.03153
594606.02	4127620.71	0.002	0.022	0.015	0.000	0.03902
594669.31	4127620.71	0.002	0.028	0.019	0.000	0.04969
594732.6	4127620.71	0.003	0.036	0.024	0.001	0.06296
594795.89	4127620.71	0.004	0.045	0.030	0.001	0.07892
594859.18	4127620.71	0.005	0.056	0.036	0.001	0.09740
594922.47	4127620.71	0.006	0.068	0.044	0.001	0.11847
594985.76	4127620.71	0.007	0.081	0.053	0.001	0.14177
595049.05	4127620.71	0.008	0.096	0.062	0.001	0.16732
595112.34	4127620.71	0.009	0.111	0.072	0.002	0.19423
595175.63	4127620.71	0.010	0.127	0.082	0.002	0.22135
595238.92	4127620.71	0.012	0.142	0.092	0.002	0.24760
595302.21	4127620.71	0.013	0.156	0.101	0.002	0.27229
595365.5	4127620.71	0.014	0.168	0.109	0.003	0.29419
595428.79	4127620.71	0.015	0.179	0.116	0.003	0.31266
595492.08	4127620.71	0.016	0.188	0.121	0.003	0.32760
595555.37	4127620.71	0.016	0.194	0.125	0.003	0.33838
595618.66	4127620.71	0.016	0.198	0.128	0.003	0.34516
594352.86	4127647.4	0.001	0.013	0.009	0.000	0.02332
594416.15	4127647.4	0.001	0.014	0.009	0.000	0.02473
594479.44	4127647.4	0.001	0.016	0.011	0.000	0.02800
594542.73	4127647.4	0.002	0.019	0.013	0.000	0.03338
594606.02	4127647.4	0.002	0.023	0.015	0.000	0.04099
594669.31	4127647.4	0.002	0.030	0.020	0.000	0.05242
594732.6	4127647.4	0.003	0.038	0.025	0.001	0.06681
594795.89	4127647.4	0.004	0.048	0.032	0.001	0.08409
594859.18	4127647.4	0.005	0.059	0.039	0.001	0.10424
594922.47	4127647.4	0.006	0.073	0.048	0.001	0.12728
594985.76	4127647.4	0.007	0.087	0.057	0.001	0.15301
595049.05	4127647.4	0.009	0.103	0.067	0.002	0.18095
595112.34	4127647.4	0.010	0.120	0.078	0.002	0.20988
595175.63	4127647.4	0.011	0.137	0.089	0.002	0.23934

595238.92	4127647.4	0.013	0.153	0.099	0.002	0.26757
595302.21	4127647.4	0.014	0.168	0.109	0.003	0.29344
595365.5	4127647.4	0.015	0.181	0.117	0.003	0.31615
595428.79	4127647.4	0.016	0.192	0.124	0.003	0.33499
595492.08	4127647.4	0.017	0.200	0.130	0.003	0.34950
595555.37	4127647.4	0.017	0.206	0.133	0.003	0.35956
595618.66	4127647.4	0.017	0.209	0.135	0.003	0.36511
594352.86	4127674.09	0.001	0.014	0.009	0.000	0.02474
594416.15	4127674.09	0.001	0.015	0.010	0.000	0.02611
594479.44	4127674.09	0.001	0.017	0.011	0.000	0.02946
594542.73	4127674.09	0.002	0.020	0.013	0.000	0.03520
594606.02	4127674.09	0.002	0.024	0.016	0.000	0.04311
594669.31	4127674.09	0.003	0.031	0.021	0.000	0.05541
594732.6	4127674.09	0.003	0.040	0.027	0.001	0.07098
594795.89	4127674.09	0.004	0.051	0.034	0.001	0.08994
594859.18	4127674.09	0.005	0.064	0.042	0.001	0.11202
594922.47	4127674.09	0.006	0.078	0.051	0.001	0.13719
594985.76	4127674.09	0.008	0.094	0.062	0.001	0.16543
595049.05	4127674.09	0.009	0.112	0.073	0.002	0.19601
595112.34	4127674.09	0.011	0.130	0.085	0.002	0.22769
595175.63	4127674.09	0.012	0.148	0.096	0.002	0.25910
595238.92	4127674.09	0.014	0.166	0.107	0.003	0.28945
595302.21	4127674.09	0.015	0.181	0.118	0.003	0.31664
595365.5	4127674.09	0.016	0.195	0.126	0.003	0.34006
595428.79	4127674.09	0.017	0.206	0.133	0.003	0.35897
595492.08	4127674.09	0.018	0.214	0.138	0.003	0.37301
595555.37	4127674.09	0.018	0.219	0.142	0.003	0.38193
595618.66	4127674.09	0.018	0.221	0.143	0.003	0.38617
594352.86	4127700.78	0.001	0.015	0.010	0.000	0.02597
594416.15	4127700.78	0.001	0.016	0.011	0.000	0.02766
594479.44	4127700.78	0.001	0.018	0.012	0.000	0.03109
594542.73	4127700.78	0.002	0.021	0.014	0.000	0.03708
594606.02	4127700.78	0.002	0.026	0.017	0.000	0.04547
594669.31	4127700.78	0.003	0.033	0.022	0.001	0.05870
594732.6	4127700.78	0.004	0.043	0.028	0.001	0.07565
594795.89	4127700.78	0.005	0.055	0.036	0.001	0.09636
594859.18	4127700.78	0.006	0.069	0.045	0.001	0.12058
594922.47	4127700.78	0.007	0.085	0.055	0.001	0.14827
594985.76	4127700.78	0.008	0.102	0.067	0.002	0.17932
595049.05	4127700.78	0.010	0.122	0.079	0.002	0.21266
595112.34	4127700.78	0.012	0.141	0.092	0.002	0.24739
595175.63	4127700.78	0.013	0.161	0.105	0.002	0.28151
595238.92	4127700.78	0.015	0.179	0.116	0.003	0.31342
595302.21	4127700.78	0.016	0.196	0.127	0.003	0.34212



595365.5	4127700.78	0.017	0.210	0.136	0.003	0.36611
595428.79	4127700.78	0.018	0.220	0.143	0.003	0.38486
595492.08	4127700.78	0.019	0.228	0.148	0.004	0.39802
595555.37	4127700.78	0.019	0.232	0.150	0.004	0.40570
595618.66	4127700.78	0.019	0.234	0.151	0.004	0.40837
595497.7	4127730.05	0.020	0.245	0.159	0.004	0.42821
595572.99	4127730.05	0.021	0.249	0.161	0.004	0.43412
595648.28	4127730.05	0.021	0.248	0.160	0.004	0.43277
595723.57	4127730.05	0.020	0.244	0.158	0.004	0.42555
595798.86	4127730.05	0.020	0.237	0.153	0.004	0.41401
595497.7	4127796.4	0.024	0.288	0.186	0.004	0.50289
595572.99	4127796.4	0.024	0.288	0.186	0.004	0.50226
595648.28	4127796.4	0.023	0.283	0.183	0.004	0.49373
595723.57	4127796.4	0.023	0.275	0.178	0.004	0.47939
595798.86	4127796.4	0.022	0.264	0.171	0.004	0.46117
595497.7	4127862.75	0.028	0.338	0.219	0.005	0.59020
595572.99	4127862.75	0.028	0.333	0.215	0.005	0.58006
595648.28	4127862.75	0.027	0.322	0.208	0.005	0.56197
595723.57	4127862.75	0.026	0.309	0.200	0.005	0.53866
595798.86	4127862.75	0.024	0.294	0.190	0.005	0.51224
595497.7	4127929.1	0.033	0.396	0.256	0.006	0.69151
595572.99	4127929.1	0.032	0.383	0.248	0.006	0.66833
595648.28	4127929.1	0.030	0.366	0.236	0.006	0.63787
595723.57	4127929.1	0.029	0.346	0.223	0.005	0.60316
595798.86	4127929.1	0.027	0.325	0.210	0.005	0.56649
595497.7	4127995.45	0.038	0.463	0.299	0.007	0.80833
595572.99	4127995.45	0.036	0.440	0.284	0.007	0.76744
595648.28	4127995.45	0.034	0.413	0.267	0.006	0.72078
595723.57	4127995.45	0.032	0.385	0.249	0.006	0.67151
595798.86	4127995.45	0.030	0.356	0.230	0.005	0.62176
595497.7	4128061.8	0.045	0.540	0.348	0.008	0.94102
595572.99	4128061.8	0.042	0.502	0.324	0.008	0.87623
595648.28	4128061.8	0.038	0.463	0.299	0.007	0.80817
595723.57	4128061.8	0.035	0.424	0.274	0.007	0.73997
595798.86	4128061.8	0.032	0.386	0.249	0.006	0.67366
595497.7	4128128.15	0.052	0.623	0.403	0.010	1.08708
595572.99	4128128.15	0.047	0.568	0.367	0.009	0.98979
595648.28	4128128.15	0.042	0.512	0.331	0.008	0.89364
595723.57	4128128.15	0.038	0.460	0.297	0.007	0.80154
595798.86	4128128.15	0.034	0.410	0.265	0.006	0.71522
595497.7	4128194.5	0.059	0.710	0.458	0.011	1.23733
595572.99	4128194.5	0.052	0.629	0.406	0.010	1.09715
595648.28	4128194.5	0.046	0.554	0.358	0.009	0.96580
595723.57	4128194.5	0.040	0.485	0.313	0.007	0.84574

595798.86	4128194.5	0.035	0.423	0.273	0.007	0.73782
595497.7	4128260.85	0.065	0.787	0.508	0.012	1.37222
595572.99	4128260.85	0.056	0.676	0.437	0.010	1.17959
595648.28	4128260.85	0.048	0.579	0.374	0.009	1.00901
595723.57	4128260.85	0.041	0.494	0.319	0.008	0.86070
595798.86	4128260.85	0.035	0.421	0.272	0.006	0.73346
595497.7	4128327.2	0.069	0.838	0.541	0.013	1.46115
595572.99	4128327.2	0.058	0.696	0.449	0.011	1.21393
595648.28	4128327.2	0.048	0.578	0.373	0.009	1.00763
595723.57	4128327.2	0.040	0.480	0.310	0.007	0.83755
595798.86	4128327.2	0.033	0.400	0.259	0.006	0.69842
595497.7	4128393.55	0.070	0.843	0.544	0.013	1.47045
595572.99	4128393.55	0.056	0.677	0.437	0.010	1.18106
595648.28	4128393.55	0.045	0.547	0.353	0.008	0.95359
595723.57	4128393.55	0.037	0.445	0.287	0.007	0.77549
595798.86	4128393.55	0.030	0.365	0.236	0.006	0.63606
595497.7	4128459.9	0.066	0.792	0.511	0.012	1.38045
595572.99	4128459.9	0.051	0.618	0.399	0.010	1.07809
595648.28	4128459.9	0.040	0.489	0.316	0.008	0.85303
595723.57	4128459.9	0.032	0.392	0.254	0.006	0.68432
595798.86	4128459.9	0.026	0.319	0.206	0.005	0.55671
595497.7	4128526.25	0.057	0.690	0.446	0.011	1.20287
595572.99	4128526.25	0.044	0.530	0.343	0.008	0.92495
595648.28	4128526.25	0.034	0.416	0.269	0.006	0.72619
595723.57	4128526.25	0.028	0.333	0.215	0.005	0.58140
595798.86	4128526.25	0.022	0.272	0.176	0.004	0.47396
595497.7	4128592.6	0.047	0.563	0.364	0.009	0.98186
595572.99	4128592.6	0.036	0.434	0.280	0.007	0.75681
595648.28	4128592.6	0.028	0.343	0.222	0.005	0.59852
595723.57	4128592.6	0.023	0.277	0.179	0.004	0.48406
595798.86	4128592.6	0.019	0.229	0.148	0.004	0.39922
595497.7	4128658.95	0.036	0.438	0.283	0.007	0.76387
595572.99	4128658.95	0.029	0.346	0.224	0.005	0.60476
595648.28	4128658.95	0.023	0.280	0.181	0.004	0.48797
595723.57	4128658.95	0.019	0.230	0.149	0.004	0.40227
595798.86	4128658.95	0.016	0.193	0.125	0.003	0.33771
595497.7	4128725.3	0.028	0.335	0.217	0.005	0.58526
595572.99	4128725.3	0.023	0.275	0.178	0.004	0.47972
595648.28	4128725.3	0.019	0.228	0.148	0.004	0.39825
595723.57	4128725.3	0.016	0.192	0.125	0.003	0.33622
595798.86	4128725.3	0.014	0.165	0.107	0.003	0.28801
595312.78	4128113.49	0.059	0.708	0.457	0.011	1.23421
595353.37	4128113.49	0.057	0.690	0.446	0.011	1.20396
595393.96	4128113.49	0.055	0.669	0.432	0.010	1.16699

595434.55	4128113.49	0.053	0.645	0.417	0.010	1.12511
595312.78	4128167.08	0.069	0.835	0.539	0.013	1.45609
595353.37	4128167.08	0.067	0.804	0.519	0.012	1.40157
595393.96	4128167.08	0.064	0.769	0.497	0.012	1.34144
595434.55	4128167.08	0.061	0.733	0.473	0.011	1.27778
595312.78	4128220.67	0.081	0.979	0.632	0.015	1.70800
595353.37	4128220.67	0.077	0.929	0.600	0.014	1.61961
595393.96	4128220.67	0.073	0.876	0.566	0.013	1.52787
595434.55	4128220.67	0.068	0.823	0.531	0.013	1.43546
595312.78	4128274.26	0.094	1.136	0.734	0.017	1.98137
595353.37	4128274.26	0.088	1.059	0.684	0.016	1.84643
595393.96	4128274.26	0.081	0.983	0.634	0.015	1.71334
595434.55	4128274.26	0.075	0.909	0.587	0.014	1.58433
593786.29	4129268.12	0.022	0.270	0.174	0.004	0.47106
593838.34	4129268.12	0.024	0.292	0.189	0.005	0.50988
593786.29	4129289.04	0.022	0.267	0.172	0.004	0.46574
593838.34	4129289.04	0.024	0.288	0.186	0.004	0.50257
593786.29	4129309.96	0.022	0.264	0.170	0.004	0.45986
593838.34	4129309.96	0.023	0.284	0.183	0.004	0.49466
595225.34	4128413.88	0.160	1.936	1.249	0.030	3.37476
595225.34	4128445.98	0.169	2.046	1.321	0.031	3.56800
595225.34	4128478.09	0.175	2.119	1.367	0.033	3.69391
595225.34	4128510.2	0.177	2.139	1.381	0.033	3.72999
595230.915	4128413.39	0.157	1.902	1.227	0.029	3.31605
595236.491	4128445.01	0.163	1.967	1.270	0.030	3.43016
595242.066	4128476.63	0.164	1.984	1.281	0.031	3.45955
595247.641	4128508.25	0.161	1.944	1.255	0.030	3.38971
595236.321	4128411.94	0.155	1.866	1.205	0.029	3.25418
595247.302	4128442.11	0.156	1.889	1.219	0.029	3.29436
595258.283	4128472.28	0.154	1.861	1.201	0.029	3.24511
595269.265	4128502.45	0.147	1.779	1.148	0.027	3.10169
595241.393	4128409.58	0.152	1.830	1.181	0.028	3.19141
595257.447	4128437.38	0.150	1.816	1.172	0.028	3.16617
595273.5	4128465.19	0.145	1.753	1.132	0.027	3.05703
595289.553	4128492.99	0.136	1.645	1.062	0.025	2.86787
595245.978	4128406.37	0.149	1.795	1.159	0.028	3.12993
595266.616	4128430.96	0.145	1.749	1.129	0.027	3.04895
595287.253	4128455.56	0.138	1.661	1.072	0.026	2.89703
595307.891	4128480.15	0.127	1.539	0.993	0.024	2.68344
595249.935	4128402.41	0.146	1.761	1.137	0.027	3.07138
595274.53	4128423.05	0.140	1.689	1.090	0.026	2.94434
595299.126	4128443.68	0.131	1.585	1.023	0.024	2.76365
595323.721	4128464.32	0.121	1.457	0.941	0.022	2.54053
595253.145	4128397.82	0.143	1.730	1.117	0.027	3.01704

595280.95	4128413.88	0.135	1.636	1.056	0.025	2.85274
595308.756	4128429.93	0.126	1.522	0.982	0.023	2.65373
595336.561	4128445.98	0.115	1.394	0.900	0.021	2.43037
595255.51	4128392.75	0.141	1.702	1.099	0.026	2.96784
595285.681	4128403.73	0.132	1.591	1.027	0.024	2.77367
595315.851	4128414.71	0.122	1.470	0.949	0.023	2.56348
595346.022	4128425.69	0.111	1.345	0.868	0.021	2.34474
595256.959	4128387.35	0.139	1.677	1.083	0.026	2.92432
595288.578	4128392.92	0.129	1.552	1.002	0.024	2.70643
595320.197	4128398.5	0.118	1.428	0.921	0.022	2.48920
595351.816	4128404.07	0.108	1.306	0.843	0.020	2.27668
595257.447	4128381.77	0.137	1.656	1.069	0.025	2.88709
595289.553	4128381.77	0.126	1.520	0.981	0.023	2.65007
595321.66	4128381.77	0.115	1.392	0.899	0.021	2.42766
595353.767	4128381.77	0.105	1.274	0.822	0.020	2.22061
595256.959	4128376.19	0.136	1.638	1.057	0.025	2.85634
595288.578	4128370.62	0.124	1.493	0.964	0.023	2.60383
595320.197	4128365.04	0.113	1.363	0.880	0.021	2.37679
595351.816	4128359.47	0.103	1.246	0.804	0.019	2.17276
595255.51	4128370.79	0.135	1.624	1.049	0.025	2.83249
595285.681	4128359.81	0.122	1.472	0.950	0.023	2.56717
595315.851	4128348.83	0.111	1.339	0.864	0.021	2.33506
595346.022	4128337.85	0.101	1.222	0.789	0.019	2.13111
595253.145	4128365.72	0.134	1.615	1.042	0.025	2.81571
595280.95	4128349.66	0.121	1.457	0.940	0.022	2.53997
595308.756	4128333.61	0.109	1.320	0.852	0.020	2.30213
595336.561	4128317.56	0.099	1.202	0.776	0.018	2.09541
595249.935	4128361.13	0.133	1.609	1.039	0.025	2.80625
595274.53	4128340.49	0.120	1.447	0.934	0.022	2.52269
595299.126	4128319.86	0.108	1.307	0.843	0.020	2.27830
595323.721	4128299.22	0.098	1.185	0.765	0.018	2.06648
595245.978	4128357.17	0.133	1.608	1.038	0.025	2.80437
595266.616	4128332.58	0.119	1.443	0.931	0.022	2.51572
595287.253	4128307.98	0.108	1.299	0.838	0.020	2.26483
595307.891	4128283.39	0.097	1.173	0.758	0.018	2.04613
595241.393	4128353.96	0.133	1.612	1.040	0.025	2.81031
595257.447	4128326.16	0.120	1.445	0.933	0.022	2.51988
595273.5	4128298.35	0.107	1.298	0.838	0.020	2.26306
595289.553	4128270.55	0.097	1.168	0.754	0.018	2.03668
595236.321	4128351.6	0.134	1.620	1.045	0.025	2.82429
595247.302	4128321.43	0.120	1.455	0.939	0.022	2.53621
595258.283	4128291.26	0.108	1.305	0.842	0.020	2.27496
595269.265	4128261.09	0.097	1.170	0.756	0.018	2.04081
595230.915	4128350.15	0.135	1.632	1.054	0.025	2.84651

595236.491	4128318.53	0.122	1.471	0.950	0.023	2.56581
595242.066	4128286.91	0.109	1.321	0.853	0.020	2.30280
595247.641	4128255.29	0.098	1.182	0.763	0.018	2.06178
595225.34	4128349.66	0.137	1.650	1.065	0.025	2.87699
595225.34	4128317.56	0.124	1.497	0.966	0.023	2.60986
595225.34	4128285.45	0.112	1.347	0.870	0.021	2.34920
595225.34	4128253.34	0.100	1.206	0.779	0.019	2.10304
595219.765	4128350.15	0.138	1.672	1.079	0.026	2.91563
595214.189	4128318.53	0.127	1.531	0.988	0.024	2.66981
595208.614	4128286.91	0.115	1.386	0.895	0.021	2.41692
595203.039	4128255.29	0.103	1.244	0.803	0.019	2.16867
595214.359	4128351.6	0.141	1.699	1.096	0.026	2.96200
595203.378	4128321.43	0.130	1.575	1.017	0.024	2.74651
595192.397	4128291.26	0.119	1.439	0.929	0.022	2.50905
595181.415	4128261.09	0.107	1.298	0.838	0.020	2.26399
595209.287	4128353.96	0.143	1.729	1.116	0.027	3.01562
595193.233	4128326.16	0.135	1.629	1.052	0.025	2.84052
595177.18	4128298.35	0.125	1.507	0.973	0.023	2.62860
595161.127	4128270.55	0.114	1.373	0.887	0.021	2.39507
595204.702	4128357.17	0.146	1.764	1.138	0.027	3.07536
595184.064	4128332.58	0.140	1.693	1.093	0.026	2.95176
595163.427	4128307.98	0.132	1.593	1.029	0.025	2.77854
595142.789	4128283.39	0.122	1.473	0.951	0.023	2.56865
595200.745	4128361.13	0.149	1.801	1.162	0.028	3.13975
595176.15	4128340.49	0.146	1.766	1.140	0.027	3.07908
595151.555	4128319.86	0.141	1.698	1.096	0.026	2.96052
595126.959	4128299.22	0.133	1.601	1.034	0.025	2.79173
595197.535	4128365.72	0.152	1.839	1.187	0.028	3.20687
595169.73	4128349.66	0.153	1.847	1.192	0.028	3.21987
595141.924	4128333.61	0.151	1.820	1.175	0.028	3.17417
595114.119	4128317.56	0.146	1.761	1.137	0.027	3.06994
595195.17	4128370.79	0.155	1.878	1.212	0.029	3.27440
595164.999	4128359.81	0.160	1.933	1.247	0.030	3.36958
595134.829	4128348.83	0.162	1.959	1.264	0.030	3.41557
595104.658	4128337.85	0.162	1.953	1.260	0.030	3.40460
595193.721	4128376.19	0.159	1.915	1.236	0.029	3.33939
595162.102	4128370.62	0.167	2.020	1.304	0.031	3.52154
595130.483	4128365.04	0.175	2.108	1.360	0.032	3.67507
595098.864	4128359.47	0.180	2.173	1.402	0.033	3.78826
595193.233	4128381.77	0.161	1.949	1.258	0.030	3.39891
595161.127	4128381.77	0.174	2.103	1.357	0.032	3.66707
595129.02	4128381.77	0.187	2.258	1.457	0.035	3.93692
595096.913	4128381.77	0.199	2.408	1.554	0.037	4.19944
595193.721	4128387.35	0.164	1.979	1.277	0.030	3.44993

595162.102	4128392.92	0.180	2.177	1.405	0.034	3.79605
595130.483	4128398.5	0.198	2.397	1.547	0.037	4.17893
595098.864	4128404.07	0.218	2.638	1.702	0.041	4.59941
595195.17	4128392.75	0.166	2.001	1.292	0.031	3.48968
595164.999	4128403.73	0.185	2.236	1.443	0.034	3.89815
595134.829	4128414.71	0.208	2.509	1.619	0.039	4.37522
595104.658	4128425.69	0.234	2.830	1.827	0.044	4.93483
595197.535	4128397.82	0.167	2.016	1.301	0.031	3.51592
595169.73	4128413.88	0.188	2.274	1.467	0.035	3.96457
595141.924	4128429.93	0.214	2.582	1.666	0.040	4.50173
595114.119	4128445.98	0.245	2.954	1.907	0.045	5.15105
595200.745	4128402.41	0.167	2.023	1.306	0.031	3.52722
595176.15	4128423.05	0.189	2.288	1.477	0.035	3.98926
595151.555	4128443.68	0.216	2.605	1.681	0.040	4.54198
595126.959	4128464.32	0.247	2.988	1.928	0.046	5.20890
595204.702	4128406.37	0.167	2.021	1.304	0.031	3.52306
595184.064	4128430.96	0.189	2.277	1.470	0.035	3.97057
595163.427	4128455.56	0.213	2.576	1.662	0.040	4.49137
595142.789	4128480.15	0.242	2.924	1.887	0.045	5.09888
595209.287	4128409.58	0.166	2.010	1.297	0.031	3.50397
595193.233	4128437.38	0.186	2.243	1.448	0.035	3.91121
595177.18	4128465.19	0.207	2.500	1.613	0.038	4.35906
595161.127	4128492.99	0.230	2.779	1.793	0.043	4.84500
595214.359	4128411.94	0.165	1.991	1.285	0.031	3.47136
595203.378	4128442.11	0.181	2.190	1.413	0.034	3.81814
595192.397	4128472.28	0.198	2.389	1.542	0.037	4.16538
595181.415	4128502.45	0.214	2.579	1.664	0.040	4.49623
595219.765	4128413.39	0.163	1.966	1.269	0.030	3.42749
595214.189	4128445.01	0.176	2.122	1.370	0.033	3.70042
595208.614	4128476.63	0.187	2.257	1.457	0.035	3.93569
595203.039	4128508.25	0.195	2.357	1.521	0.036	4.10885
594645.59	4128502.87	0.093	1.122	0.732	0.017	1.96493
594644.51	4128523.39	0.140	1.693	1.100	0.026	2.95851
594640.67	4128547.67	0.218	2.635	1.706	0.041	4.59968
594778.05	4128503.58	0.880	10.626	6.859	0.164	18.52782
594789.55	4128515.08	1.038	12.543	8.094	0.193	21.86781
594800.41	4128527.22	1.190	14.373	9.273	0.221	25.05728
594813.83	4128543.19	1.366	16.501	10.646	0.254	28.76724
594859.83	4128584.08	1.532	18.506	11.939	0.285	32.26126
594870.05	4128594.31	1.544	18.653	12.034	0.287	32.51815
594880.91	4128605.81	1.547	18.679	12.051	0.287	32.56363
594891.78	4128616.67	1.522	18.383	11.860	0.283	32.04820
594611.28	4128774.49	0.607	7.333	4.731	0.113	12.78337
594594.03	4128775.13	0.508	6.140	3.961	0.094	10.70349

594611.92	4128737.43	0.598	7.223	4.661	0.111	12.59312
594614.48	4128716.98	0.589	7.113	4.590	0.109	12.40051
594595.95	4128717.62	0.478	5.768	3.722	0.089	10.05668
594590.84	4128739.35	0.477	5.762	3.718	0.089	10.04631
594572.95	4128737.43	0.397	4.800	3.097	0.074	8.36879
594558.25	4128731.68	0.341	4.120	2.658	0.063	7.18251
594650.26	4128653.09	0.765	9.243	5.969	0.142	16.11989
594556.33	4128743.18	0.345	4.165	2.687	0.064	7.26109
594156.81	4128109.88	0.006	0.066	0.050	0.001	0.12294
594173.28	4128104.16	0.006	0.069	0.053	0.001	0.12918
594204.67	4128130.51	0.006	0.067	0.048	0.001	0.12141
594294.16	4128082.57	0.008	0.091	0.079	0.002	0.17939
594402.07	4128182.58	0.006	0.072	0.050	0.001	0.12938
594560.99	4128457.35	0.033	0.399	0.260	0.006	0.69728
594484.6	4128319.73	0.011	0.134	0.088	0.002	0.23480
594496.18	4128330.79	0.012	0.143	0.094	0.002	0.25137
594785.03	4128768.48	2.448	29.564	19.069	0.455	51.53602
594809.73	4128769.39	1.802	21.763	14.039	0.335	37.93778
594853.71	4128775.36	1.018	12.301	7.940	0.189	21.44813
594860.97	4128775.36	0.927	11.201	7.231	0.172	19.53120
594896.14	4128777.48	0.509	6.144	3.978	0.095	10.72557
595133.8	4128685.43	0.182	2.204	1.423	0.034	3.84334
594914.19	4128786.67	0.348	4.209	2.735	0.065	7.35678
594874.82	4128777.83	0.714	8.625	5.572	0.133	15.04388
594152.05	4128129.79	0.005	0.064	0.046	0.001	0.11666
594202.81	4128148.84	0.006	0.067	0.047	0.001	0.12089
594241.18	4128131.38	0.006	0.068	0.049	0.001	0.12341
594332.26	4128103.12	0.006	0.072	0.057	0.001	0.13674
594456.05	4128365.74	0.014	0.173	0.113	0.003	0.30344
594570.17	4128468.28	0.038	0.455	0.296	0.007	0.79617
594462.2	4128339.56	0.012	0.149	0.098	0.002	0.26160
594506.43	4128340.91	0.013	0.153	0.101	0.002	0.26886
594790.08	4128779.43	1.784	21.548	13.899	0.331	37.56324
594830.62	4128770.02	1.450	17.515	11.300	0.269	30.53506
594782.57	4128786.09	1.560	18.839	12.152	0.290	32.84132
594852.94	4128785.86	0.802	9.685	6.252	0.149	16.88846
594873.88	4128804.73	0.399	4.814	3.111	0.074	8.39773
595133.34	4128701.89	0.163	1.969	1.272	0.030	3.43436
595019.02	4128685.83	0.481	5.804	3.747	0.089	10.12017
595057.48	4128670.69	0.363	4.388	2.833	0.068	7.65208
595058.31	4128653.72	0.388	4.684	3.024	0.072	8.16800
595056.86	4128637.66	0.411	4.967	3.206	0.076	8.66099
594151.73	4128146.21	0.005	0.065	0.045	0.001	0.11643
594240.91	4128149.07	0.006	0.068	0.048	0.001	0.12321

594174.19	4128094.46	0.006	0.074	0.059	0.001	0.14015
594310.35	4128118.59	0.006	0.069	0.051	0.001	0.12730
594494.91	4128412.28	0.020	0.244	0.159	0.004	0.42741
594580.96	4128478.67	0.044	0.528	0.343	0.008	0.92265
594471.65	4128352.38	0.013	0.162	0.106	0.003	0.28342
594515.61	4128353.46	0.014	0.167	0.110	0.003	0.29317
594929.89	4128040.25	0.026	0.317	0.207	0.005	0.55542
594897.89	4128019.95	0.021	0.254	0.166	0.004	0.44548
594729.44	4128313.92	0.042	0.513	0.345	0.008	0.90926
594730.04	4128324.02	0.047	0.566	0.379	0.009	1.00120
594965.04	4128727.99	0.669	8.081	5.219	0.124	14.09398
595039.74	4128656.87	0.449	5.418	3.497	0.083	9.44752
595011.68	4128715.14	0.419	5.060	3.268	0.078	8.82565
595023.07	4128705.51	0.403	4.869	3.144	0.075	8.49155
595035.37	4128696.33	0.382	4.611	2.978	0.071	8.04189
595048.6	4128684.86	0.363	4.390	2.834	0.068	7.65546
594156.81	4128166.44	0.006	0.067	0.046	0.001	0.11940
594324.73	4128150.25	0.006	0.069	0.049	0.001	0.12472
594192.29	4128092.14	0.006	0.077	0.062	0.001	0.14658
594328.45	4128132.15	0.006	0.068	0.049	0.001	0.12399
594484.65	4128398.92	0.018	0.220	0.143	0.003	0.38499
594590.68	4128491.48	0.053	0.639	0.415	0.010	1.11725
594481.09	4128364.92	0.015	0.176	0.115	0.003	0.30798
594526.67	4128365.19	0.015	0.182	0.120	0.003	0.31951
594851.13	4127984.38	0.015	0.178	0.118	0.003	0.31414
594848.47	4128001.92	0.016	0.190	0.126	0.003	0.33472
594712.46	4128323.73	0.040	0.487	0.336	0.008	0.87119
594780.3	4128311.57	0.068	0.818	0.534	0.013	1.43174
595091.67	4128681.59	0.257	3.102	2.003	0.048	5.40992
594985.15	4128715.08	0.575	6.950	4.488	0.107	12.11966
595001.12	4128701.32	0.529	6.388	4.124	0.098	11.13976
594975.35	4128737.57	0.508	6.141	3.968	0.095	10.71156
594894.98	4128801.8	0.324	3.913	2.533	0.060	6.82991
594918.29	4128804.09	0.242	2.926	1.902	0.045	5.11488
594935.19	4128811.44	0.190	2.293	1.498	0.036	4.01730
594292.66	4128148.25	0.006	0.069	0.049	0.001	0.12476
594206.26	4128109.2	0.006	0.069	0.053	0.001	0.12895
594372.26	4128145.71	0.006	0.067	0.048	0.001	0.12184
594476.02	4128388.8	0.017	0.204	0.133	0.003	0.35665
594599.04	4128501.06	0.063	0.758	0.493	0.012	1.32519
594492.7	4128375.31	0.016	0.190	0.124	0.003	0.33236
594534.77	4128374.77	0.016	0.196	0.128	0.003	0.34348
594931.92	4128018.42	0.024	0.288	0.188	0.004	0.50469
594897.21	4128000.82	0.019	0.232	0.152	0.004	0.40733



594753.99	4128314.5	0.054	0.649	0.428	0.010	1.14045
594780.53	4128299.81	0.061	0.738	0.482	0.011	1.29266
595091.67	4128697.59	0.230	2.776	1.793	0.043	4.84138
595033.78	4128674.19	0.442	5.336	3.444	0.082	9.30402
595092.89	4128798.07	0.086	1.036	0.673	0.016	1.81117
595109.32	4128798.07	0.079	0.955	0.620	0.015	1.66823
595123.92	4128797.61	0.074	0.894	0.580	0.014	1.56149
594594.57	4128547.24	0.120	1.444	0.935	0.022	2.52134
594610.2	4128548.32	0.143	1.730	1.120	0.027	3.02006
594624.75	4128548.86	0.174	2.099	1.359	0.032	3.66343
594621.75	4128590.45	0.298	3.595	2.323	0.055	6.27065
594105.97	4128171.34	0.005	0.065	0.044	0.001	0.11583
594239.91	4128105.3	0.006	0.072	0.055	0.001	0.13398
594369.41	4128168.8	0.006	0.071	0.049	0.001	0.12679
594584.77	4128432.65	0.028	0.336	0.220	0.005	0.58872
594576.92	4128422.67	0.025	0.301	0.197	0.005	0.52845
594616.02	4128467.73	0.044	0.536	0.350	0.008	0.93842
594556.63	4128400.54	0.020	0.243	0.159	0.004	0.42532
594898.07	4127985.5	0.018	0.218	0.143	0.003	0.38193
594929.03	4127999.04	0.022	0.260	0.170	0.004	0.45613
594766.84	4128316.04	0.062	0.743	0.487	0.012	1.30376
594779.15	4128327.06	0.076	0.920	0.600	0.014	1.61125
595090.75	4128714.05	0.203	2.446	1.581	0.038	4.26676
595008.09	4128772.32	0.203	2.447	1.586	0.038	4.27413
595051.13	4128776.45	0.139	1.676	1.086	0.026	2.92653
595018.02	4128785.17	0.155	1.875	1.217	0.029	3.27681
595050.97	4128790.22	0.118	1.420	0.922	0.022	2.48160
594549.75	4128547.91	0.084	1.013	0.656	0.016	1.76849
594565.38	4128547.1	0.093	1.126	0.729	0.017	1.96561
594642.31	4128571.41	0.331	3.995	2.584	0.062	6.97213
594649.57	4128583.56	0.445	5.371	3.473	0.083	9.37094
594156.81	4128181.41	0.006	0.069	0.047	0.001	0.12261
594242.13	4128084.89	0.007	0.087	0.073	0.002	0.16862
594466.33	4128377.73	0.016	0.188	0.123	0.003	0.32926
594595.83	4128445.2	0.032	0.390	0.255	0.006	0.68345
594606.6	4128457.61	0.038	0.459	0.300	0.007	0.80438
594567.98	4128410.66	0.022	0.268	0.175	0.004	0.46905
594623.82	4128478.93	0.053	0.644	0.420	0.010	1.12760
594850.69	4127967.48	0.014	0.166	0.110	0.003	0.29177
594713.46	4128311.86	0.037	0.446	0.309	0.007	0.79972
594766.84	4128324.25	0.066	0.798	0.522	0.012	1.39914
594779.15	4128339.62	0.085	1.025	0.667	0.016	1.79282
594863.24	4128961.31	0.082	0.996	0.644	0.015	1.73812
595029.65	4128774.56	0.166	1.999	1.296	0.031	3.49110

595091.97	4128774.56	0.110	1.323	0.857	0.020	2.31011
595109.78	4128774.56	0.099	1.193	0.773	0.018	2.08347
595050.97	4128765.38	0.159	1.926	1.247	0.030	3.36214
594535.7	4128548.04	0.076	0.923	0.598	0.014	1.61147
594580.5	4128547.5	0.106	1.277	0.827	0.020	2.22911
594639.61	4128583.69	0.369	4.452	2.878	0.069	7.76774
594649.3	4128595.3	0.501	6.055	3.914	0.093	10.56294
594112.36	4128157.82	0.005	0.064	0.044	0.001	0.11381
594316.11	4128129.88	0.006	0.068	0.050	0.001	0.12458
594604.22	4128516.57	0.082	0.990	0.642	0.015	1.72984
594544.02	4128470.15	0.036	0.430	0.280	0.007	0.75223
594516.47	4128436.69	0.025	0.303	0.197	0.005	0.53031
594531.56	4128422.12	0.023	0.278	0.181	0.004	0.48609
594502.39	4128386.5	0.017	0.206	0.135	0.003	0.36121
594711.93	4128340.94	0.047	0.568	0.389	0.009	1.01354
594724.7	4128340.71	0.053	0.638	0.428	0.010	1.12887
594738.16	4128340.94	0.060	0.731	0.483	0.012	1.28588
594764.92	4128298.95	0.052	0.634	0.417	0.010	1.11304
594855.84	4128802.72	0.516	6.230	4.023	0.096	10.86379
594785.53	4128831.63	0.506	6.109	3.942	0.094	10.65169
594796.46	4128831.63	0.472	5.696	3.676	0.088	9.93039
595049.6	4128808.45	0.097	1.169	0.761	0.018	2.04570
594828.2	4128794.7	0.826	9.976	6.438	0.153	17.39308
594891.14	4128831.45	0.214	2.582	1.671	0.040	4.50570
594905.45	4128831.19	0.188	2.272	1.473	0.035	3.96823
594918	4128830.69	0.170	2.055	1.334	0.032	3.59131
594291.98	4128131.38	0.006	0.068	0.050	0.001	0.12466
594574.27	4128502.13	0.056	0.676	0.439	0.010	1.18182
594554.54	4128483.51	0.042	0.507	0.330	0.008	0.88645
594525.37	4128448.16	0.028	0.339	0.220	0.005	0.59245
594541.54	4128435.48	0.026	0.315	0.205	0.005	0.55075
594512.1	4128397.16	0.019	0.224	0.147	0.003	0.39283
594788.47	4128796.69	1.058	12.775	8.241	0.197	22.27092
594812.03	4128788.66	1.111	13.419	8.657	0.206	23.39334
594808.73	4128806.79	0.713	8.607	5.554	0.132	15.00597
594855.23	4128813.67	0.412	4.976	3.213	0.077	8.67783
594859.28	4128793.94	0.608	7.343	4.742	0.113	12.80597
595427.44	4129452.45	0.007	0.082	0.057	0.001	0.14713
595443.76	4129477.89	0.006	0.078	0.054	0.001	0.13973
595096.58	4128893.01	0.044	0.531	0.353	0.008	0.93624
594931.43	4128831.15	0.153	1.847	1.202	0.029	3.23066
594942.72	4128831.15	0.142	1.713	1.119	0.027	3.00019
594952	4128830.89	0.135	1.625	1.067	0.025	2.85277
594296.11	4128099.86	0.006	0.074	0.059	0.001	0.14093

594583.17	4128516.02	0.070	0.849	0.551	0.013	1.48326
594565.07	4128491.74	0.048	0.576	0.374	0.009	1.00687
594535.36	4128456.66	0.031	0.372	0.242	0.006	0.65126
594551.25	4128443.17	0.028	0.342	0.223	0.005	0.59944
594634.61	4128491.2	0.069	0.835	0.545	0.013	1.46145
594807.75	4128780.8	1.424	17.197	11.094	0.265	29.97911
594789.31	4128805.81	0.821	9.910	6.394	0.152	17.27736
594831.22	4128783.32	1.073	12.961	8.363	0.199	22.59745
594832.05	4128808.57	0.573	6.924	4.469	0.107	12.07330
594810.94	4128797.36	0.888	10.726	6.921	0.165	18.70046
595414.09	4129463.99	0.007	0.080	0.055	0.001	0.14273
595497.65	4129524.43	0.006	0.071	0.049	0.001	0.12729
595481.49	4129523.42	0.006	0.071	0.049	0.001	0.12679
595080.91	4128875.09	0.051	0.617	0.408	0.010	1.08509
595084.17	4128856.08	0.056	0.678	0.445	0.011	1.18962
595139.79	4128859.08	0.044	0.536	0.351	0.008	0.93905
595164.13	4128891	0.035	0.420	0.276	0.007	0.73718
595207.95	4128939.61	0.025	0.306	0.202	0.005	0.53806
595220.47	4129289.9	0.011	0.131	0.087	0.002	0.23032
595259.38	4129289.47	0.010	0.126	0.085	0.002	0.22416
595294.68	4129290.12	0.010	0.124	0.085	0.002	0.22078
594902.61	4129107.8	0.033	0.399	0.259	0.006	0.69773
594827.43	4129184.31	0.033	0.401	0.260	0.006	0.70002
594852.82	4129183.98	0.030	0.366	0.237	0.006	0.63892
595333.6	4129288.08	0.010	0.126	0.090	0.002	0.22808
595380.35	4129325.01	0.010	0.118	0.087	0.002	0.21780
595354.7	4129297.95	0.010	0.126	0.092	0.002	0.23029
595368.91	4129310.75	0.010	0.123	0.091	0.002	0.22598
595107.61	4128896.67	0.041	0.501	0.332	0.008	0.88189
595293.36	4129039.9	0.016	0.190	0.128	0.003	0.33616
595128.46	4128901.73	0.038	0.453	0.300	0.007	0.79771
595155	4128868.94	0.040	0.481	0.315	0.008	0.84356
595175.78	4128905.49	0.031	0.380	0.251	0.006	0.66839
595238.67	4129290.18	0.011	0.128	0.086	0.002	0.22692
595275	4129290.4	0.010	0.125	0.085	0.002	0.22198
595312.87	4129293.82	0.010	0.122	0.085	0.002	0.21884
594951.95	4129201.23	0.020	0.243	0.158	0.004	0.42409
594951.45	4129184.34	0.021	0.257	0.167	0.004	0.44883
594951.87	4129167.45	0.022	0.272	0.177	0.004	0.47491
595428.66	4129378.62	0.009	0.105	0.078	0.002	0.19384
595310.9	4129057.13	0.015	0.176	0.119	0.003	0.31197
595331.92	4129156.05	0.013	0.152	0.109	0.003	0.27598
595321.54	4129074.33	0.014	0.166	0.113	0.003	0.29567
595113.6	4128851.38	0.051	0.620	0.406	0.010	1.08633

595112.85	4128887.74	0.042	0.511	0.337	0.008	0.89793
595120.78	4128911.11	0.037	0.449	0.299	0.007	0.79232
595221.89	4128959.1	0.023	0.277	0.184	0.004	0.48806
595233.53	4128971.89	0.021	0.259	0.172	0.004	0.45664
595119.78	4129332.57	0.011	0.129	0.085	0.002	0.22626
595138.93	4129334.68	0.010	0.126	0.083	0.002	0.22139
595155.7	4129334.42	0.010	0.124	0.082	0.002	0.21862
595183.3	4129288.98	0.011	0.135	0.089	0.002	0.23793
595272.73	4129366.65	0.009	0.107	0.071	0.002	0.18855
595214.73	4129331.51	0.010	0.120	0.079	0.002	0.21126
595287.25	4129332.83	0.009	0.113	0.076	0.002	0.20058
595311.95	4129339.18	0.009	0.110	0.075	0.002	0.19535
595331.37	4129347.63	0.009	0.107	0.073	0.002	0.19045
595074.4	4129323.35	0.011	0.138	0.090	0.002	0.24189
595285.77	4129354.5	0.009	0.108	0.073	0.002	0.19175
595418.42	4129365.33	0.009	0.108	0.081	0.002	0.20008
595279.07	4129085.35	0.015	0.185	0.128	0.003	0.33163
595372.78	4129189.43	0.011	0.133	0.095	0.002	0.24079
595343.48	4129168.35	0.012	0.147	0.105	0.003	0.26613
595230.18	4129029.41	0.019	0.231	0.158	0.004	0.41146
595263.39	4129007.48	0.018	0.219	0.147	0.004	0.38763
595279.79	4129026.86	0.017	0.201	0.135	0.003	0.35678
595147.72	4128938.09	0.031	0.371	0.248	0.006	0.65653
595137.3	4128924.75	0.033	0.403	0.268	0.006	0.71049
595112.65	4129285.77	0.012	0.146	0.096	0.002	0.25638
595074.99	4129304.8	0.012	0.145	0.095	0.002	0.25365
595127.17	4129285.77	0.012	0.144	0.094	0.002	0.25225
595175.91	4129334.39	0.010	0.123	0.081	0.002	0.21556
595255.03	4129366.62	0.009	0.108	0.072	0.002	0.19080
595237.46	4129351.56	0.009	0.113	0.075	0.002	0.19932
595439.07	4129389.95	0.009	0.103	0.077	0.002	0.19041
595452.9	4129402.76	0.008	0.101	0.077	0.002	0.18830
595371.16	4129439.36	0.007	0.085	0.058	0.001	0.15141
595393.46	4129414.88	0.007	0.089	0.062	0.001	0.16020
595476.63	4129434.13	0.008	0.093	0.070	0.002	0.17233
595458.53	4129407.98	0.008	0.100	0.076	0.002	0.18680
595408.18	4129350.58	0.009	0.113	0.085	0.002	0.20981
595257.99	4129067.54	0.017	0.201	0.139	0.003	0.36064
595306.54	4129122.59	0.014	0.166	0.117	0.003	0.29886
595319.82	4129140.23	0.013	0.158	0.112	0.003	0.28621
595240.41	4129023.07	0.019	0.226	0.153	0.004	0.40149
595247.31	4128986.52	0.020	0.240	0.160	0.004	0.42423
595252.74	4128994.2	0.019	0.232	0.155	0.004	0.41070
595192.09	4128920.73	0.028	0.341	0.225	0.005	0.60051

595175.66	4128966.77	0.026	0.312	0.210	0.005	0.55219
595088.6	4129290.76	0.012	0.148	0.097	0.002	0.25983
595148.7	4129287.07	0.012	0.140	0.092	0.002	0.24606
595164.42	4129287.86	0.011	0.138	0.091	0.002	0.24199
595198.63	4129286.27	0.011	0.134	0.089	0.002	0.23656
595196.38	4129334.89	0.010	0.121	0.080	0.002	0.21241
595235.34	4129332.77	0.010	0.118	0.078	0.002	0.20761
595444.67	4129395.56	0.008	0.102	0.077	0.002	0.18936
595365.92	4129389.11	0.008	0.095	0.066	0.002	0.17031
595379.02	4129400.34	0.008	0.093	0.064	0.002	0.16553
595382.68	4129426.61	0.007	0.087	0.060	0.001	0.15567
595488.78	4129448.63	0.008	0.091	0.069	0.002	0.16903
595466.19	4129420.63	0.008	0.096	0.072	0.002	0.17701
595393.19	4129336.56	0.010	0.116	0.087	0.002	0.21503
595247.67	4129052.75	0.018	0.211	0.146	0.003	0.37800
595290.63	4129099.2	0.015	0.176	0.123	0.003	0.31673
595327.57	4129081.99	0.013	0.162	0.110	0.003	0.28815
595203.86	4128999.19	0.022	0.265	0.179	0.004	0.47012
595219.16	4129017.83	0.020	0.244	0.166	0.004	0.43364
595229.71	4129010.52	0.020	0.239	0.161	0.004	0.42375
595160.4	4128953.08	0.028	0.340	0.228	0.005	0.60224
595191.01	4128985.43	0.023	0.284	0.192	0.005	0.50346
595341.75	4129361.55	0.009	0.103	0.071	0.002	0.18387
595319.56	4129372.12	0.008	0.102	0.069	0.002	0.18110
594823.12	4129350.69	0.020	0.246	0.159	0.004	0.42900
594840.16	4129351.18	0.019	0.234	0.152	0.004	0.40898
594856.23	4129352.15	0.018	0.222	0.144	0.003	0.38830
594950.83	4129354.09	0.013	0.159	0.104	0.002	0.27843
594967.39	4129353.6	0.013	0.152	0.099	0.002	0.26561
594983.45	4129353.6	0.012	0.146	0.095	0.002	0.25501
595001.49	4129349.66	0.012	0.142	0.092	0.002	0.24792
595044.8	4129396.91	0.010	0.118	0.077	0.002	0.20670
595075.17	4129370.37	0.010	0.123	0.080	0.002	0.21476
595126.08	4129373.64	0.010	0.117	0.077	0.002	0.20522
595243.87	4129478.68	0.007	0.087	0.058	0.001	0.15337
595274.5	4129500.59	0.007	0.082	0.054	0.001	0.14452
595213.07	4129402.68	0.009	0.104	0.068	0.002	0.18234
595265.91	4129429.75	0.008	0.094	0.063	0.001	0.16618
595301.52	4129380.53	0.008	0.102	0.068	0.002	0.17972
594793.06	4129350.42	0.022	0.262	0.170	0.004	0.45797
594809.62	4129351.39	0.021	0.253	0.164	0.004	0.44204
594871.74	4129351.88	0.017	0.211	0.137	0.003	0.36885
594886.84	4129352.36	0.017	0.200	0.130	0.003	0.34925
594901.45	4129353.81	0.016	0.189	0.123	0.003	0.33013

594919.95	4129353.33	0.015	0.177	0.115	0.003	0.30922
594937.47	4129353.33	0.014	0.167	0.108	0.003	0.29112
595042.27	4129376.58	0.010	0.124	0.081	0.002	0.21800
595074.73	4129391.99	0.010	0.116	0.076	0.002	0.20352
595196.07	4129448.03	0.008	0.095	0.063	0.001	0.16761
595231.02	4129462.96	0.008	0.091	0.060	0.001	0.15936
595258.89	4129485.88	0.007	0.085	0.056	0.001	0.14997
595214.71	4129454.65	0.008	0.093	0.061	0.001	0.16360
595234.32	4129411.58	0.008	0.100	0.066	0.002	0.17649
595295.77	4129404.2	0.008	0.097	0.065	0.002	0.17128
594782.4	4129402.99	0.019	0.232	0.150	0.004	0.40482
594801.86	4129402.51	0.019	0.225	0.146	0.003	0.39339
594867.38	4129404.44	0.016	0.190	0.123	0.003	0.33146
594932.94	4129404.03	0.013	0.151	0.098	0.002	0.26404
594916.39	4129403.8	0.013	0.160	0.104	0.002	0.27997
594980.9	4129488.37	0.009	0.110	0.071	0.002	0.19171
595042.13	4129464.29	0.008	0.101	0.066	0.002	0.17721
595043.53	4129409.85	0.009	0.115	0.075	0.002	0.20061
595075.74	4129409.01	0.009	0.111	0.073	0.002	0.19498
595120.42	4129478.92	0.008	0.092	0.060	0.001	0.16166
595156.71	4129400.4	0.009	0.108	0.071	0.002	0.18956
595177.02	4129399.64	0.009	0.107	0.070	0.002	0.18770
595196.66	4129400.39	0.009	0.105	0.069	0.002	0.18516
595250.73	4129418.85	0.008	0.098	0.065	0.002	0.17197
595313	4129420.08	0.008	0.092	0.061	0.001	0.16192
594781.91	4129437.14	0.018	0.213	0.138	0.003	0.37177
594830.95	4129407.57	0.017	0.209	0.136	0.003	0.36543
594849.93	4129403.69	0.017	0.201	0.130	0.003	0.35034
594816.55	4129402.72	0.018	0.219	0.142	0.003	0.38212
594883.03	4129407.57	0.015	0.179	0.116	0.003	0.31248
594981.08	4129408.19	0.011	0.129	0.084	0.002	0.22587
595042.55	4129444.39	0.009	0.106	0.069	0.002	0.18522
595042.69	4129361.68	0.011	0.129	0.084	0.002	0.22629
595074.05	4129427.93	0.009	0.106	0.070	0.002	0.18646
595075.46	4129481.52	0.008	0.094	0.061	0.001	0.16476
595077.71	4129443.96	0.008	0.102	0.067	0.002	0.17907
595140.24	4129399.04	0.009	0.109	0.072	0.002	0.19179
595119.5	4129398.54	0.009	0.111	0.073	0.002	0.19433
595281.49	4129442.51	0.008	0.091	0.060	0.001	0.16032
595334.74	4129423.24	0.007	0.089	0.060	0.001	0.15842
594864.47	4129487.19	0.013	0.161	0.104	0.002	0.28115
594830.95	4129434.93	0.016	0.196	0.127	0.003	0.34301
594850.89	4129434.93	0.015	0.187	0.121	0.003	0.32580
594818	4129433.96	0.017	0.203	0.131	0.003	0.35370

594883.03	4129434.93	0.014	0.169	0.109	0.003	0.29486
594981.08	4129435.55	0.010	0.122	0.079	0.002	0.21297
595042.55	4129430.39	0.009	0.109	0.071	0.002	0.19134
595047.75	4129479.34	0.008	0.097	0.063	0.002	0.17024
594931.84	4129488.8	0.011	0.128	0.083	0.002	0.22431
594799.73	4129485.62	0.015	0.186	0.120	0.003	0.32450
595075.6	4129465.84	0.008	0.097	0.064	0.002	0.17059
595137.24	4129447.6	0.008	0.098	0.064	0.002	0.17223
595255.31	4129522.17	0.007	0.080	0.053	0.001	0.14020
595311.84	4129464.54	0.007	0.085	0.057	0.001	0.15055
595351.96	4129405.48	0.008	0.092	0.063	0.001	0.16392
594846.58	4129485.19	0.014	0.170	0.110	0.003	0.29634
594882.33	4129487.03	0.013	0.152	0.099	0.002	0.26641
594896.74	4129487.49	0.012	0.145	0.094	0.002	0.25389
594933.4	4129439.32	0.012	0.140	0.091	0.002	0.24521
594916.85	4129436.8	0.012	0.149	0.097	0.002	0.26116
594963.52	4129489.06	0.010	0.115	0.075	0.002	0.20172
594998.39	4129487.22	0.009	0.105	0.068	0.002	0.18346
594947.7	4129488.63	0.010	0.122	0.079	0.002	0.21257
594915.56	4129487.95	0.011	0.136	0.088	0.002	0.23776
594781	4129485.68	0.016	0.190	0.123	0.003	0.33171
595137.88	4129477.6	0.008	0.092	0.060	0.001	0.16109
595120.48	4129450.25	0.008	0.098	0.064	0.002	0.17240
595175.68	4129446.72	0.008	0.097	0.064	0.002	0.16981
595301.08	4129559.26	0.006	0.072	0.048	0.001	0.12718
594831.76	4129486.38	0.015	0.175	0.114	0.003	0.30610
595044.38	4129341.64	0.011	0.136	0.089	0.002	0.23791
594816.63	4129485.43	0.015	0.181	0.117	0.003	0.31603
595158.18	4129478.49	0.008	0.091	0.060	0.001	0.15966
595211.37	4129485.99	0.007	0.088	0.058	0.001	0.15376
595225.3	4129500.11	0.007	0.084	0.056	0.001	0.14846
595152.74	4129448.92	0.008	0.097	0.064	0.002	0.17070
595341.13	4129562.02	0.006	0.070	0.046	0.001	0.12261
595077.18	4129350.52	0.011	0.129	0.084	0.002	0.22525
595174.06	4129476.72	0.008	0.091	0.060	0.001	0.15934
595193.28	4129481.58	0.007	0.089	0.059	0.001	0.15649
595367.41	4129555.23	0.006	0.069	0.046	0.001	0.12196
595420.58	4129543.73	0.006	0.069	0.046	0.001	0.12190
595315.46	4129536.06	0.006	0.075	0.050	0.001	0.13160
595477.45	4129540.62	0.006	0.068	0.047	0.001	0.12150
595396.15	4129564.98	0.006	0.067	0.045	0.001	0.11815
595353.82	4129526.46	0.006	0.073	0.049	0.001	0.12971
595394.78	4129535.18	0.006	0.071	0.047	0.001	0.12472
595330.8	4129498.57	0.007	0.079	0.053	0.001	0.13962

595475.42	4129559.86	0.005	0.065	0.044	0.001	0.11626
595419.83	4129565.95	0.005	0.066	0.044	0.001	0.11699
595392.86	4129507.11	0.006	0.074	0.050	0.001	0.13140
595417.79	4129513.03	0.006	0.073	0.049	0.001	0.12934
595360.09	4129499.09	0.006	0.077	0.051	0.001	0.13598
594801.31	4129435.64	0.017	0.208	0.135	0.003	0.36325
594867.73	4129437.09	0.015	0.177	0.115	0.003	0.30848
594899.24	4129405.96	0.014	0.170	0.110	0.003	0.29628
594899.24	4129433.32	0.013	0.160	0.104	0.002	0.27982
594965.89	4129410.32	0.011	0.134	0.087	0.002	0.23439
594965.89	4129437.68	0.010	0.127	0.082	0.002	0.22130
594949.1	4129408.18	0.012	0.142	0.092	0.002	0.24797
594949.1	4129435.54	0.011	0.134	0.087	0.002	0.23427
594123.36	4128193.08	0.006	0.069	0.047	0.001	0.12289
594125.98	4128217.36	0.006	0.074	0.049	0.001	0.13088
594125.98	4128234.55	0.006	0.078	0.052	0.001	0.13728
594154.37	4128235.67	0.007	0.080	0.053	0.001	0.14038
594155.86	4128216.99	0.006	0.075	0.050	0.001	0.13335
594156.23	4128199.06	0.006	0.072	0.048	0.001	0.12745
594084.14	4128215.87	0.006	0.072	0.048	0.001	0.12667
594077.04	4128225.58	0.006	0.073	0.049	0.001	0.12943
594080.03	4128244.63	0.006	0.078	0.051	0.001	0.13680
594204.79	4128164.7	0.006	0.069	0.047	0.001	0.12296
594204.79	4128184.49	0.006	0.071	0.049	0.001	0.12722
594240.28	4128166.19	0.006	0.070	0.048	0.001	0.12546
594240.28	4128184.87	0.006	0.073	0.050	0.001	0.12982
594238.04	4128199.81	0.006	0.076	0.051	0.001	0.13421
594204.79	4128205.04	0.006	0.075	0.051	0.001	0.13332
594201.81	4128219.98	0.006	0.078	0.052	0.001	0.13841
594203.3	4128236.42	0.007	0.082	0.055	0.001	0.14529
594238.04	4128218.49	0.007	0.080	0.053	0.001	0.14098
594241.78	4128235.3	0.007	0.084	0.056	0.001	0.14844
594292.2	4128166.94	0.006	0.071	0.049	0.001	0.12773
594291.05	4128204.51	0.006	0.078	0.053	0.001	0.13916
594290.37	4128187.64	0.006	0.075	0.051	0.001	0.13325
594292.54	4128238.87	0.007	0.088	0.058	0.001	0.15453
594291.87	4128222	0.007	0.083	0.055	0.001	0.14644
594325.04	4128258.3	0.008	0.095	0.063	0.002	0.16806
594324.36	4128241.43	0.007	0.090	0.060	0.001	0.15813
594325.41	4128220.2	0.007	0.083	0.056	0.001	0.14732
594324.74	4128203.33	0.007	0.079	0.053	0.001	0.13989
594323.17	4128186.2	0.006	0.075	0.051	0.001	0.13349
594322.5	4128169.33	0.006	0.072	0.050	0.001	0.12849
594369.12	4128259.42	0.008	0.098	0.065	0.002	0.17220



594368.44	4128242.55	0.008	0.091	0.061	0.001	0.16096
594369.87	4128221.69	0.007	0.084	0.056	0.001	0.14884
594369.19	4128204.82	0.007	0.079	0.054	0.001	0.14048
594400.12	4128260.17	0.008	0.099	0.066	0.002	0.17414
594399.45	4128243.3	0.008	0.092	0.061	0.001	0.16198
594401.24	4128223.93	0.007	0.085	0.057	0.001	0.14960
594400.57	4128207.06	0.007	0.079	0.054	0.001	0.14041
594371.02	4128185.99	0.006	0.074	0.051	0.001	0.13248
594446.85	4128235.67	0.007	0.088	0.059	0.001	0.15480
594448.34	4128259.58	0.008	0.098	0.065	0.002	0.17242
594465.15	4128255.84	0.008	0.095	0.064	0.002	0.16841
594239.44	4128279.33	0.008	0.098	0.064	0.002	0.17158
594237.57	4128294.65	0.009	0.103	0.068	0.002	0.18105
594237.94	4128312.58	0.009	0.110	0.072	0.002	0.19351
594237.19	4128327.52	0.010	0.117	0.076	0.002	0.20465
594202.73	4128279.8	0.008	0.095	0.063	0.001	0.16709
594200.87	4128295.12	0.008	0.100	0.066	0.002	0.17592
594201.24	4128313.05	0.009	0.107	0.070	0.002	0.18752
594203.99	4128327.12	0.009	0.113	0.074	0.002	0.19771
594156.41	4128278.68	0.008	0.091	0.060	0.001	0.16063
594154.54	4128294	0.008	0.096	0.063	0.002	0.16860
594154.92	4128311.93	0.008	0.102	0.067	0.002	0.17891
594154.17	4128326.87	0.009	0.107	0.070	0.002	0.18783
594116.44	4128279.8	0.007	0.089	0.058	0.001	0.15607
594114.57	4128295.12	0.008	0.093	0.061	0.001	0.16335
594114.95	4128313.05	0.008	0.099	0.065	0.002	0.17275
594114.2	4128327.99	0.009	0.103	0.067	0.002	0.18076
594283.66	4128296.51	0.009	0.108	0.071	0.002	0.18923
594283.68	4128309.94	0.009	0.114	0.075	0.002	0.19947
594282.98	4128324.63	0.010	0.121	0.079	0.002	0.21156
594282.23	4128339.57	0.011	0.128	0.084	0.002	0.22492
594326.57	4128303.53	0.009	0.115	0.075	0.002	0.20144
594283.41	4128281.6	0.008	0.102	0.067	0.002	0.17873
594326.97	4128334.89	0.011	0.132	0.086	0.002	0.23087
594313.27	4128335.25	0.011	0.130	0.085	0.002	0.22807
594357.93	4128334.55	0.011	0.135	0.089	0.002	0.23730
594344.23	4128334.92	0.011	0.134	0.088	0.002	0.23475
594325.72	4128356.04	0.012	0.145	0.095	0.002	0.25350
594312.02	4128356.41	0.012	0.143	0.093	0.002	0.24998
594356.68	4128355.7	0.012	0.149	0.098	0.002	0.26166
594342.98	4128356.07	0.012	0.147	0.096	0.002	0.25834
594385.1	4128356.31	0.013	0.154	0.101	0.002	0.27006
594371.39	4128356.68	0.013	0.152	0.100	0.002	0.26687
594416.06	4128355.97	0.013	0.158	0.104	0.002	0.27762

594402.36	4128356.34	0.013	0.157	0.102	0.002	0.27470
594385.37	4128334.99	0.011	0.139	0.091	0.002	0.24326
594371.66	4128335.36	0.011	0.137	0.090	0.002	0.24098
594416.33	4128334.65	0.012	0.142	0.093	0.002	0.24842
594402.63	4128335.02	0.012	0.141	0.092	0.002	0.24653
594430.03	4128355.38	0.013	0.160	0.104	0.002	0.27997
594430.3	4128334.06	0.012	0.142	0.093	0.002	0.24973
594339.75	4128303.14	0.010	0.116	0.076	0.002	0.20322
594352.16	4128303.71	0.010	0.117	0.077	0.002	0.20567
594312.76	4128303.7	0.009	0.114	0.075	0.002	0.19934
594380.47	4128302.9	0.010	0.119	0.078	0.002	0.20878
594393.65	4128302.51	0.010	0.119	0.079	0.002	0.20987
594412.26	4128302.54	0.010	0.120	0.079	0.002	0.21161
594366.66	4128303.06	0.010	0.118	0.078	0.002	0.20713
594427.77	4128304.53	0.010	0.122	0.080	0.002	0.21458
594441.74	4128303.94	0.010	0.122	0.080	0.002	0.21452
594455.26	4128305.32	0.010	0.123	0.081	0.002	0.21640
594473.08	4128305.05	0.010	0.123	0.081	0.002	0.21621
594074.7	4128261.48	0.007	0.081	0.054	0.001	0.14302
594070.34	4128276.85	0.007	0.085	0.056	0.001	0.14900
594070.34	4128295.44	0.007	0.090	0.059	0.001	0.15718
594028.36	4128311.96	0.007	0.090	0.059	0.001	0.15770
594051.3	4128317.92	0.008	0.094	0.061	0.001	0.16418
594068.96	4128323.43	0.008	0.097	0.063	0.002	0.16990
594715.3	4128299.81	0.035	0.418	0.289	0.007	0.74874
594727.32	4128298.74	0.038	0.453	0.307	0.007	0.80504
594740.08	4128298.51	0.042	0.504	0.337	0.008	0.89077
594753.54	4128298.74	0.047	0.571	0.377	0.009	1.00478
594739.71	4128353.69	0.069	0.835	0.550	0.013	1.46801
594752.48	4128353.46	0.079	0.948	0.621	0.015	1.66260
594765.93	4128353.69	0.089	1.078	0.703	0.017	1.88642
594773.9	4128358.74	0.099	1.196	0.778	0.019	2.09199
594786.67	4128358.51	0.111	1.343	0.872	0.021	2.34616
594800.12	4128358.74	0.123	1.485	0.963	0.023	2.59389
594812.29	4128360.84	0.136	1.638	1.061	0.025	2.86040
594825.75	4128361.07	0.146	1.764	1.142	0.027	3.07947
594845.57	4128365.89	0.167	2.016	1.304	0.031	3.51762
594859.02	4128366.12	0.175	2.119	1.370	0.033	3.69677
594803.25	4128299.49	0.072	0.872	0.568	0.014	1.52572
594801.87	4128326.74	0.091	1.100	0.715	0.017	1.92257
594801.87	4128339.3	0.103	1.238	0.804	0.019	2.16354
594803.02	4128311.25	0.080	0.964	0.627	0.015	1.68576
594790.8	4128341.22	0.097	1.166	0.757	0.018	2.03756
594823.23	4128330.04	0.107	1.294	0.839	0.020	2.26028

594823.23	4128342.6	0.121	1.455	0.943	0.022	2.54108
594824.38	4128314.55	0.094	1.134	0.735	0.018	1.98058
594860.1	4128325.99	0.123	1.487	0.962	0.023	2.59515
594859.41	4128341.54	0.141	1.697	1.098	0.026	2.96149
594847.25	4128321.72	0.112	1.356	0.878	0.021	2.36788
594880.14	4128351.38	0.165	1.988	1.285	0.031	3.46729
594880.14	4128363.94	0.184	2.218	1.433	0.034	3.86812
594881.28	4128335.89	0.145	1.749	1.131	0.027	3.05120
594881.09	4128322.58	0.130	1.566	1.012	0.024	2.73190
594882.24	4128307.09	0.115	1.389	0.898	0.021	2.42368
594853.17	4128299.79	0.096	1.163	0.753	0.018	2.03006
594841.78	4128299.58	0.091	1.098	0.712	0.017	1.91718
594864.69	4128299.69	0.101	1.223	0.792	0.019	2.13471
594914.48	4128370.74	0.209	2.522	1.628	0.039	4.39765
594914.48	4128383.3	0.231	2.796	1.805	0.043	4.87560
594914.02	4128355.68	0.185	2.230	1.441	0.034	3.89003
594914.94	4128341.45	0.165	1.995	1.289	0.031	3.47981
594915.4	4128328.83	0.150	1.810	1.169	0.028	3.15684
594910.81	4128299.69	0.119	1.434	0.927	0.022	2.50214
594924.35	4128299.46	0.123	1.481	0.957	0.023	2.58386
594938.8	4128299.69	0.127	1.530	0.989	0.024	2.66902
594950.97	4128303.13	0.133	1.601	1.035	0.025	2.79341
594742.21	4128451.06	0.259	3.124	2.024	0.048	5.45438
594756.79	4128451.81	0.303	3.656	2.365	0.056	6.37980
594772.85	4128452.93	0.346	4.183	2.704	0.064	7.29767
594792.28	4128453.67	0.386	4.657	3.009	0.072	8.12341
594806.11	4128453.67	0.404	4.875	3.148	0.075	8.50235
594821.43	4128454.05	0.419	5.064	3.270	0.078	8.83046
594842.36	4128455.92	0.439	5.306	3.425	0.082	9.25142
594855.81	4128461.15	0.468	5.657	3.651	0.087	9.86375
594871.87	4128467.5	0.495	5.984	3.862	0.092	10.43370
594804.99	4128494.4	0.731	8.827	5.697	0.136	15.39044
594814.7	4128487.3	0.655	7.910	5.105	0.122	13.79233
594826.29	4128476.84	0.567	6.849	4.421	0.105	11.94191
594829.65	4128505.61	0.810	9.779	6.310	0.150	17.04844
594841.23	4128496.65	0.710	8.570	5.530	0.132	14.94214
594854.69	4128486.18	0.617	7.446	4.805	0.115	12.98231
594890.82	4128577.25	1.181	14.263	9.202	0.219	24.86491
594902.32	4128588.75	1.181	14.266	9.204	0.219	24.87073
594913.18	4128600.89	1.175	14.187	9.153	0.218	24.73293
594902.06	4128562.56	0.998	12.059	7.780	0.186	21.02331
594913.57	4128574.06	1.004	12.131	7.827	0.187	21.14924
594924.43	4128586.2	1.004	12.130	7.826	0.187	21.14759
594943.24	4128641.96	1.086	13.116	8.463	0.202	22.86608

594916.1	4128666.97	1.545	18.661	12.041	0.287	32.53400
594927.17	4128654.17	1.315	15.877	10.245	0.244	27.67995
594957.7	4128630.49	0.929	11.223	7.242	0.173	19.56671
594964.69	4128642.88	0.893	10.785	6.959	0.166	18.80286
594977.71	4128652.73	0.795	9.603	6.197	0.148	16.74295
594970.41	4128622.55	0.823	9.936	6.411	0.153	17.32341
594981.84	4128615.88	0.743	8.972	5.789	0.138	15.64222
594988.83	4128606.35	0.693	8.367	5.399	0.129	14.58807
594988.51	4128641.61	0.721	8.707	5.619	0.134	15.18127
595001.53	4128630.49	0.645	7.792	5.028	0.120	13.58551
594813.87	4128831.08	0.423	5.115	3.301	0.079	8.91824
594828.18	4128830.83	0.383	4.622	2.984	0.071	8.06057
594852.69	4128831.18	0.309	3.733	2.411	0.057	6.51104
594610.06	4128785.72	0.591	7.141	4.607	0.110	12.44843
594592.81	4128786.36	0.498	6.018	3.883	0.093	10.49211
594611.14	4128819.74	0.530	6.403	4.131	0.098	11.16301
594589.57	4128819.84	0.446	5.390	3.477	0.083	9.39564
594588.48	4128835.99	0.413	4.987	3.217	0.077	8.69446
594612.24	4128836.53	0.483	5.832	3.762	0.090	10.16717
594574.44	4128791.98	0.420	5.071	3.272	0.078	8.84038
594577.14	4128779.29	0.433	5.231	3.375	0.080	9.11912
594550.94	4128790.9	0.346	4.177	2.695	0.064	7.28298
594557.96	4128779.56	0.366	4.424	2.855	0.068	7.71345
594537.98	4128785.23	0.312	3.769	2.432	0.058	6.57150
594527.72	4128780.37	0.287	3.471	2.240	0.053	6.05223
594571.47	4128835.72	0.369	4.457	2.875	0.069	7.77005
594554.99	4128827.89	0.339	4.089	2.638	0.063	7.12804
594540.68	4128821.41	0.311	3.758	2.425	0.058	6.55128
594521.24	4128816.28	0.274	3.312	2.137	0.051	5.77415
594500.45	4128816.01	0.239	2.886	1.863	0.044	5.03238
594482.9	4128816.01	0.214	2.581	1.665	0.040	4.49940
594512.33	4128784.69	0.257	3.106	2.004	0.048	5.41460
594518.81	4128769.84	0.265	3.204	2.067	0.049	5.58572
594490.46	4128781.18	0.219	2.648	1.709	0.041	4.61606
594463.46	4128816.55	0.190	2.290	1.478	0.035	3.99240
594474.8	4128788.2	0.199	2.403	1.551	0.037	4.18994
594569.94	4128717.94	0.366	4.417	2.851	0.068	7.70128
594576.93	4128700.78	0.369	4.452	2.873	0.069	7.76178
594562.95	4128701.42	0.322	3.886	2.508	0.060	6.77518
594567.4	4128690.62	0.321	3.874	2.501	0.060	6.75562
594569.3	4128677.59	0.307	3.708	2.393	0.057	6.46494
594651.12	4128634.24	0.701	8.467	5.469	0.130	14.76686
594638.83	4128633.85	0.567	6.852	4.425	0.106	11.94938
594618.73	4128637.95	0.432	5.223	3.373	0.080	9.10900

594599.61	4128635.02	0.331	3.995	2.580	0.062	6.96626
594577.18	4128634.44	0.255	3.077	1.987	0.047	5.36575
594557.86	4128635.02	0.210	2.534	1.636	0.039	4.41915
594542.45	4128643.61	0.193	2.330	1.505	0.036	4.06313
594541.86	4128632.1	0.177	2.133	1.378	0.033	3.72058
594531.43	4128643.7	0.175	2.114	1.365	0.033	3.68695
594530.84	4128632.19	0.160	1.937	1.251	0.030	3.37799
594540.11	4128655.31	0.204	2.465	1.592	0.038	4.29943
594518.69	4128738.15	0.248	2.990	1.930	0.046	5.21313
594499.87	4128737.46	0.213	2.577	1.663	0.040	4.49307
594472.79	4128739.52	0.176	2.128	1.373	0.033	3.71031
594513.64	4128720.93	0.225	2.717	1.754	0.042	4.73710
594512.27	4128702.11	0.206	2.493	1.610	0.038	4.34782
594510.66	4128692.01	0.195	2.350	1.517	0.036	4.09840
594477.61	4128716.57	0.168	2.032	1.311	0.031	3.54246
594478.52	4128700.28	0.158	1.909	1.233	0.029	3.32968
594478.75	4128690.18	0.151	1.824	1.178	0.028	3.18140
594477.26	4128678.47	0.141	1.701	1.098	0.026	2.96623
594477.49	4128668.37	0.133	1.612	1.041	0.025	2.81062
594512.95	4128634.86	0.141	1.703	1.100	0.026	2.97045
594493.21	4128634.4	0.121	1.458	0.942	0.022	2.54383
594479.9	4128636.24	0.111	1.341	0.866	0.021	2.33942
594520.41	4128546.93	0.069	0.832	0.538	0.013	1.45140
594506.37	4128547.06	0.064	0.769	0.498	0.012	1.34240
594490.43	4128547.26	0.059	0.708	0.458	0.011	1.23587
594543.41	4128516.78	0.057	0.689	0.447	0.011	1.20354
594528.11	4128515.67	0.053	0.634	0.411	0.010	1.10790
594514.07	4128515.8	0.049	0.597	0.387	0.009	1.04261
594498.14	4128516.01	0.046	0.559	0.362	0.009	0.97657
594521.34	4128494.93	0.042	0.505	0.328	0.008	0.88256
594492.14	4128494.79	0.038	0.457	0.296	0.007	0.79769
594507.26	4128495.18	0.040	0.482	0.313	0.007	0.84274
594596.96	4128603.83	0.246	2.966	1.916	0.046	5.17296
594597.02	4128588.09	0.208	2.516	1.626	0.039	4.38924
594576.88	4128589.98	0.170	2.055	1.328	0.032	3.58442
594553.64	4128588.55	0.134	1.624	1.050	0.025	2.83291
594538.01	4128588.04	0.117	1.416	0.915	0.022	2.46985
594516.04	4128591.11	0.101	1.225	0.792	0.019	2.13747
594513.59	4128574.71	0.086	1.038	0.671	0.016	1.81106
594493.57	4128590.27	0.086	1.040	0.673	0.016	1.81524
594760.51	4128824.14	0.675	8.157	5.263	0.125	14.22110
594520.63	4128867.68	0.246	2.972	1.917	0.046	5.18099
594503.08	4128867.68	0.225	2.717	1.753	0.042	4.73752
594483.64	4128868.22	0.204	2.459	1.587	0.038	4.28712

594520.63	4128893.02	0.225	2.712	1.750	0.042	4.72898
594503.08	4128893.02	0.208	2.518	1.625	0.039	4.38956
594483.64	4128893.56	0.191	2.311	1.491	0.036	4.02913
594463.73	4128893.02	0.176	2.121	1.369	0.033	3.69862
594468.42	4128866.12	0.189	2.285	1.475	0.035	3.98464
594565.38	4128882.18	0.285	3.446	2.223	0.053	6.00765
594561.5	4128916.3	0.230	2.780	1.794	0.043	4.84685
594552.23	4128934.41	0.202	2.436	1.572	0.037	4.24700
594566.42	4128896.15	0.264	3.190	2.058	0.049	5.56117
594528.39	4128942.69	0.182	2.201	1.420	0.034	3.83711
594510.84	4128942.69	0.174	2.105	1.358	0.032	3.67030
594491.4	4128943.23	0.165	1.990	1.284	0.031	3.46902
594471.41	4128940.8	0.157	1.891	1.220	0.029	3.29728
594605.25	4128901.88	0.283	3.420	2.207	0.053	5.96314
594621.14	4128901.88	0.291	3.517	2.269	0.054	6.13191
594635.12	4128902.2	0.295	3.561	2.298	0.055	6.20815
594640.52	4128886.63	0.345	4.168	2.689	0.064	7.26597
594606.52	4128881.86	0.334	4.028	2.599	0.062	7.02268
594625.27	4128881.86	0.351	4.245	2.739	0.065	7.39998
594603.03	4128926.98	0.231	2.794	1.803	0.043	4.87142
594619.87	4128927.61	0.233	2.815	1.817	0.043	4.90843
594638.29	4128927.3	0.234	2.827	1.824	0.044	4.92957
594852.47	4128984.02	0.075	0.911	0.589	0.014	1.58890
594849.93	4128999.27	0.070	0.841	0.544	0.013	1.46829
594870.26	4128985.29	0.069	0.829	0.536	0.013	1.44662
594876.3	4129002.45	0.060	0.730	0.473	0.011	1.27483
594893.77	4129021.83	0.050	0.609	0.395	0.009	1.06348
594894.41	4129003.08	0.055	0.669	0.434	0.010	1.16843
595091.6	4128755.33	0.134	1.624	1.051	0.025	2.83485
595109.41	4128755.33	0.120	1.446	0.936	0.022	2.52475
595093.43	4128736.06	0.162	1.952	1.262	0.030	3.40577
595111.25	4128736.06	0.142	1.721	1.113	0.027	3.00264
595029.54	4128756.5	0.213	2.567	1.661	0.040	4.48109
595046.67	4128741.76	0.221	2.664	1.723	0.041	4.64902
594992.37	4128751	0.333	4.025	2.603	0.062	7.02350
595004.01	4128740.39	0.342	4.129	2.669	0.064	7.20325
595130.48	4128770.73	0.091	1.103	0.715	0.017	1.92627
595129.26	4128740.39	0.122	1.469	0.950	0.023	2.56337
595153.5	4128684.24	0.161	1.941	1.254	0.030	3.38482
595153.04	4128700.7	0.144	1.739	1.124	0.027	3.03371
595176.21	4128770.73	0.072	0.873	0.566	0.013	1.52537
595177.13	4128794.07	0.060	0.724	0.470	0.011	1.26426
595158.31	4128805.34	0.060	0.719	0.467	0.011	1.25612
595152.35	4128779.19	0.076	0.914	0.593	0.014	1.59714

595180.8	4128815.43	0.050	0.609	0.396	0.009	1.06436
595204.2	4128820.02	0.045	0.540	0.351	0.008	0.94465
595140.88	4128720.46	0.134	1.618	1.046	0.025	2.82238
595166.57	4128720.46	0.114	1.377	0.891	0.021	2.40312
595172.54	4128700.27	0.128	1.541	0.996	0.024	2.68766
595195.48	4128710.82	0.103	1.248	0.807	0.019	2.17818
595189.05	4128689.72	0.124	1.495	0.966	0.023	2.60828
595204.65	4128688.34	0.114	1.375	0.889	0.021	2.39898
595195.94	4128735.6	0.086	1.040	0.673	0.016	1.81443
595175.75	4128744.32	0.090	1.083	0.701	0.017	1.88989
595202.36	4128779.64	0.060	0.724	0.469	0.011	1.26391
595203.74	4128760.37	0.069	0.830	0.538	0.013	1.44974
595216.58	4128741.56	0.074	0.896	0.580	0.014	1.56419
595217.96	4128723.67	0.084	1.010	0.653	0.016	1.76211
595219.34	4128702.56	0.096	1.156	0.747	0.018	2.01629
594850.37	4127951.3	0.013	0.155	0.102	0.002	0.27253
594852.13	4127935.04	0.012	0.146	0.097	0.002	0.25733
594898.07	4127967.2	0.017	0.201	0.132	0.003	0.35311
594931.28	4127981.33	0.020	0.242	0.158	0.004	0.42443
594934.82	4127965.79	0.019	0.229	0.150	0.004	0.40156
594899.13	4127944.23	0.015	0.183	0.120	0.003	0.32170
594898.78	4127930.8	0.014	0.173	0.114	0.003	0.30377
594934.46	4127945.65	0.017	0.210	0.137	0.003	0.36814
594928.81	4127927.62	0.016	0.191	0.125	0.003	0.33523
595340	4129093.59	0.013	0.155	0.105	0.003	0.27517
595349.49	4129109.17	0.012	0.148	0.101	0.002	0.26378
595373.19	4129128.81	0.011	0.137	0.094	0.002	0.24370
595405.7	4129155.9	0.010	0.123	0.084	0.002	0.21976
594828.06	4129208.24	0.031	0.368	0.239	0.006	0.64312
594853.46	4129207.91	0.028	0.337	0.218	0.005	0.58846
594825.42	4129228.03	0.029	0.348	0.225	0.005	0.60779
594850.82	4129227.7	0.026	0.319	0.207	0.005	0.55784
594827.4	4129248.81	0.027	0.324	0.210	0.005	0.56570
594852.8	4129248.48	0.025	0.298	0.193	0.005	0.51981
594896.99	4129195.71	0.025	0.297	0.193	0.005	0.51872
594922.38	4129195.38	0.022	0.271	0.176	0.004	0.47384
594891.71	4129220.12	0.023	0.280	0.182	0.004	0.48982
594917.11	4129219.79	0.021	0.256	0.166	0.004	0.44676
594891.71	4129241.88	0.022	0.263	0.170	0.004	0.45862
594917.11	4129241.55	0.020	0.239	0.155	0.004	0.41848
594893.69	4129262.33	0.020	0.246	0.159	0.004	0.42928
594919.09	4129262	0.019	0.224	0.146	0.003	0.39182
594893.36	4129285.74	0.019	0.231	0.150	0.004	0.40317
594918.76	4129285.41	0.017	0.210	0.137	0.003	0.36784

594825.75	4129273.54	0.025	0.302	0.196	0.005	0.52762
594851.15	4129273.21	0.023	0.279	0.181	0.004	0.48658
594828.06	4129297.28	0.023	0.280	0.181	0.004	0.48923
594853.46	4129296.95	0.021	0.259	0.168	0.004	0.45193
595429.03	4129137.08	0.010	0.120	0.082	0.002	0.21401
595398.56	4129118.5	0.011	0.131	0.089	0.002	0.23342
595323.48	4128976.53	0.017	0.204	0.135	0.003	0.35929
595337.6	4128998.08	0.016	0.188	0.125	0.003	0.33094
595353.21	4129028.56	0.014	0.170	0.113	0.003	0.29987
594282.32	4128355.01	0.011	0.137	0.090	0.002	0.24003
594281.57	4128369.95	0.012	0.146	0.095	0.002	0.25551
594237.72	4128344.51	0.010	0.125	0.082	0.002	0.21861
594236.97	4128359.46	0.011	0.132	0.086	0.002	0.23150
594240.34	4128380.37	0.012	0.144	0.094	0.002	0.25236
594239.59	4128395.32	0.013	0.153	0.100	0.002	0.26739
594227.72	4128414.08	0.013	0.161	0.105	0.003	0.28228
595154.49	4128556.43	0.243	2.940	1.898	0.045	5.12667
595544.9	4129513.26	0.007	0.079	0.060	0.001	0.14695
595560.09	4129522.66	0.007	0.079	0.060	0.001	0.14646
595546.35	4129534.23	0.006	0.071	0.051	0.001	0.12904
595565.51	4129536.76	0.006	0.072	0.053	0.001	0.13164
595570.93	4129559.54	0.005	0.063	0.044	0.001	0.11355
595545.62	4129557.37	0.005	0.064	0.045	0.001	0.11567



# 1410 South Bascom Avenue Project

Unmitigated

## Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

Cancer Potency Factor: 1.1 (mg/kg-day)<sup>-1</sup>  
Exposure Frequency 350 days/year  
Averaging Period 25550 days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) <sup>-1</sup>
1	1	3	572	0.72	0.59	11.0
2	1	3	572	0.72	1	18.6
3	1	3	572	0.72	0.87	16.2

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**No Mitigation at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM - Child Receptors**

X (m)	Y (m)	Child Cancer Risk (year 1)	Child Cancer Risk (year 2)	Child Cancer Risk (year 3)	Total Cancer Risk (/million)	Maximum Cancer Risk 6.4 BAAQMD threshold of significance 10 Exceed thresholds? No
		2020 (/million)	2021 (/million)	2022 (/million)		
593913.11	4129158.33	0.028	0.026	0.022	0.07639	
593960.92	4129158.33	0.030	0.029	0.024	0.08358	
594008.73	4129158.33	0.033	0.032	0.027	0.09145	
594056.54	4129158.33	0.036	0.035	0.029	0.10002	
594104.35	4129158.33	0.040	0.038	0.032	0.10916	
594152.16	4129158.33	0.043	0.041	0.035	0.11872	
594199.97	4129158.33	0.047	0.044	0.037	0.12843	
594247.78	4129158.33	0.050	0.048	0.040	0.13783	
594295.59	4129158.33	0.053	0.051	0.043	0.14631	
594343.4	4129158.33	0.056	0.053	0.045	0.15321	
594391.21	4129158.33	0.057	0.054	0.046	0.15780	
594439.02	4129158.33	0.058	0.055	0.047	0.15961	
594486.83	4129158.33	0.058	0.055	0.046	0.15855	
594534.64	4129158.33	0.056	0.053	0.045	0.15452	
594582.45	4129158.33	0.053	0.051	0.043	0.14740	
594630.26	4129158.33	0.050	0.048	0.040	0.13811	
593913.11	4129192.59	0.027	0.026	0.022	0.07511	
593960.92	4129192.59	0.030	0.028	0.024	0.08166	
594008.73	4129192.59	0.032	0.031	0.026	0.08873	
594056.54	4129192.59	0.035	0.033	0.028	0.09624	
594104.35	4129192.59	0.038	0.036	0.030	0.10409	
594152.16	4129192.59	0.041	0.039	0.033	0.11204	
594199.97	4129192.59	0.043	0.041	0.035	0.11978	
594247.78	4129192.59	0.046	0.044	0.037	0.12687	
594295.59	4129192.59	0.048	0.046	0.039	0.13278	
594343.4	4129192.59	0.050	0.047	0.040	0.13702	
594391.21	4129192.59	0.051	0.048	0.041	0.13923	
594439.02	4129192.59	0.051	0.048	0.041	0.13924	
594486.83	4129192.59	0.050	0.047	0.040	0.13709	
594534.64	4129192.59	0.048	0.046	0.039	0.13279	
594582.45	4129192.59	0.046	0.044	0.037	0.12632	

594630.26	4129192.59	0.043	0.041	0.035	0.11850
593913.11	4129226.85	0.027	0.025	0.021	0.07342
593960.92	4129226.85	0.029	0.027	0.023	0.07934
594008.73	4129226.85	0.031	0.030	0.025	0.08559
594056.54	4129226.85	0.033	0.032	0.027	0.09209
594104.35	4129226.85	0.036	0.034	0.029	0.09870
594152.16	4129226.85	0.038	0.036	0.031	0.10515
594199.97	4129226.85	0.040	0.038	0.032	0.11114
594247.78	4129226.85	0.042	0.040	0.034	0.11627
594295.59	4129226.85	0.044	0.041	0.035	0.12014
594343.4	4129226.85	0.044	0.042	0.036	0.12243
594391.21	4129226.85	0.045	0.042	0.036	0.12305
594439.02	4129226.85	0.044	0.042	0.036	0.12204
594486.83	4129226.85	0.043	0.041	0.035	0.11944
594534.64	4129226.85	0.042	0.040	0.034	0.11524
594582.45	4129226.85	0.040	0.038	0.032	0.10942
594630.26	4129226.85	0.037	0.035	0.030	0.10271
593913.11	4129261.11	0.026	0.025	0.021	0.07140
593960.92	4129261.11	0.028	0.026	0.022	0.07668
594008.73	4129261.11	0.030	0.028	0.024	0.08216
594056.54	4129261.11	0.032	0.030	0.026	0.08771
594104.35	4129261.11	0.034	0.032	0.027	0.09314
594152.16	4129261.11	0.036	0.034	0.029	0.09824
594199.97	4129261.11	0.037	0.035	0.030	0.10271
594247.78	4129261.11	0.039	0.037	0.031	0.10622
594295.59	4129261.11	0.039	0.037	0.032	0.10852
594343.4	4129261.11	0.040	0.038	0.032	0.10945
594391.21	4129261.11	0.040	0.038	0.032	0.10908
594439.02	4129261.11	0.039	0.037	0.031	0.10753
594486.83	4129261.11	0.038	0.036	0.031	0.10485
594534.64	4129261.11	0.037	0.035	0.029	0.10093
594582.45	4129261.11	0.035	0.033	0.028	0.09570
594630.26	4129261.11	0.033	0.031	0.026	0.08993
593913.11	4129295.37	0.025	0.024	0.020	0.06916
593960.92	4129295.37	0.027	0.025	0.022	0.07381
594008.73	4129295.37	0.028	0.027	0.023	0.07853
594056.54	4129295.37	0.030	0.029	0.024	0.08316
594104.35	4129295.37	0.032	0.030	0.026	0.08754
594152.16	4129295.37	0.033	0.032	0.027	0.09145
594199.97	4129295.37	0.034	0.033	0.028	0.09464

594247.78	4129295.37	0.035	0.033	0.028	0.09687
594295.59	4129295.37	0.036	0.034	0.029	0.09800
594343.4	4129295.37	0.036	0.034	0.029	0.09803
594391.21	4129295.37	0.035	0.034	0.028	0.09709
594439.02	4129295.37	0.035	0.033	0.028	0.09531
594486.83	4129295.37	0.034	0.032	0.027	0.09270
594534.64	4129295.37	0.032	0.031	0.026	0.08908
594582.45	4129295.37	0.031	0.029	0.025	0.08441
594630.26	4129295.37	0.029	0.027	0.023	0.07945
593913.11	4129329.63	0.024	0.023	0.019	0.06674
593960.92	4129329.63	0.026	0.024	0.021	0.07078
594008.73	4129329.63	0.027	0.026	0.022	0.07477
594056.54	4129329.63	0.028	0.027	0.023	0.07857
594104.35	4129329.63	0.030	0.028	0.024	0.08201
594152.16	4129329.63	0.031	0.029	0.025	0.08487
594199.97	4129329.63	0.032	0.030	0.025	0.08700
594247.78	4129329.63	0.032	0.030	0.026	0.08825
594295.59	4129329.63	0.032	0.031	0.026	0.08858
594343.4	4129329.63	0.032	0.030	0.026	0.08804
594391.21	4129329.63	0.031	0.030	0.025	0.08680
594439.02	4129329.63	0.031	0.029	0.025	0.08500
594486.83	4129329.63	0.030	0.029	0.024	0.08254
594534.64	4129329.63	0.029	0.027	0.023	0.07921
594582.45	4129329.63	0.027	0.026	0.022	0.07503
594630.26	4129329.63	0.026	0.024	0.021	0.07071
593913.11	4129363.89	0.023	0.022	0.019	0.06419
593960.92	4129363.89	0.025	0.023	0.020	0.06764
594008.73	4129363.89	0.026	0.025	0.021	0.07095
594056.54	4129363.89	0.027	0.026	0.022	0.07398
594104.35	4129363.89	0.028	0.026	0.022	0.07658
594152.16	4129363.89	0.029	0.027	0.023	0.07859
594199.97	4129363.89	0.029	0.028	0.023	0.07988
594247.78	4129363.89	0.029	0.028	0.023	0.08040
594295.59	4129363.89	0.029	0.028	0.023	0.08016
594343.4	4129363.89	0.029	0.027	0.023	0.07930
594391.21	4129363.89	0.028	0.027	0.023	0.07800
594439.02	4129363.89	0.028	0.026	0.022	0.07623
594486.83	4129363.89	0.027	0.026	0.022	0.07395
594534.64	4129363.89	0.026	0.024	0.021	0.07087
594582.45	4129363.89	0.024	0.023	0.020	0.06711

594630.26	4129363.89	0.023	0.022	0.019	0.06335
593913.11	4129398.15	0.022	0.021	0.018	0.06155
593960.92	4129398.15	0.023	0.022	0.019	0.06445
594008.73	4129398.15	0.024	0.023	0.020	0.06713
594056.54	4129398.15	0.025	0.024	0.020	0.06949
594104.35	4129398.15	0.026	0.025	0.021	0.07137
594152.16	4129398.15	0.026	0.025	0.021	0.07267
594199.97	4129398.15	0.027	0.025	0.021	0.07332
594247.78	4129398.15	0.027	0.025	0.021	0.07332
594295.59	4129398.15	0.026	0.025	0.021	0.07274
594343.4	4129398.15	0.026	0.025	0.021	0.07173
594391.21	4129398.15	0.026	0.024	0.021	0.07042
594439.02	4129398.15	0.025	0.024	0.020	0.06878
594486.83	4129398.15	0.024	0.023	0.019	0.06663
594534.64	4129398.15	0.023	0.022	0.019	0.06381
594582.45	4129398.15	0.022	0.021	0.018	0.06041
594630.26	4129398.15	0.021	0.020	0.017	0.05712
593913.11	4129432.41	0.021	0.020	0.017	0.05885
593960.92	4129432.41	0.022	0.021	0.018	0.06123
594008.73	4129432.41	0.023	0.022	0.018	0.06336
594056.54	4129432.41	0.024	0.022	0.019	0.06512
594104.35	4129432.41	0.024	0.023	0.019	0.06638
594152.16	4129432.41	0.024	0.023	0.020	0.06712
594199.97	4129432.41	0.024	0.023	0.020	0.06729
594247.78	4129432.41	0.024	0.023	0.020	0.06693
594295.59	4129432.41	0.024	0.023	0.019	0.06617
594343.4	4129432.41	0.024	0.023	0.019	0.06514
594391.21	4129432.41	0.023	0.022	0.019	0.06388
594439.02	4129432.41	0.023	0.022	0.018	0.06235
594486.83	4129432.41	0.022	0.021	0.018	0.06036
594534.64	4129432.41	0.021	0.020	0.017	0.05772
594582.45	4129432.41	0.020	0.019	0.016	0.05464
594630.26	4129432.41	0.019	0.018	0.015	0.05175
593913.11	4129466.67	0.020	0.019	0.016	0.05612
593960.92	4129466.67	0.021	0.020	0.017	0.05804
594008.73	4129466.67	0.022	0.021	0.017	0.05966
594056.54	4129466.67	0.022	0.021	0.018	0.06090
594104.35	4129466.67	0.022	0.021	0.018	0.06169
594152.16	4129466.67	0.022	0.021	0.018	0.06199
594199.97	4129466.67	0.022	0.021	0.018	0.06182

594247.78	4129466.67	0.022	0.021	0.018	0.06125
594295.59	4129466.67	0.022	0.021	0.018	0.06041
594343.4	4129466.67	0.022	0.021	0.017	0.05940
594391.21	4129466.67	0.021	0.020	0.017	0.05823
594439.02	4129466.67	0.021	0.020	0.017	0.05681
594486.83	4129466.67	0.020	0.019	0.016	0.05493
594534.64	4129466.67	0.019	0.018	0.015	0.05248
594582.45	4129466.67	0.018	0.017	0.015	0.04968
594630.26	4129466.67	0.017	0.016	0.014	0.04713
594331.14	4128962.5	0.090	0.085	0.072	0.24682
594357.05	4128962.5	0.097	0.093	0.078	0.26836
594382.96	4128962.5	0.106	0.101	0.085	0.29144
594408.87	4128962.5	0.115	0.109	0.092	0.31583
594434.78	4128962.5	0.124	0.118	0.100	0.34120
594460.69	4128962.5	0.133	0.127	0.107	0.36696
594486.6	4128962.5	0.142	0.135	0.114	0.39231
594331.14	4129004.55	0.083	0.079	0.067	0.22944
594357.05	4129004.55	0.089	0.085	0.072	0.24566
594382.96	4129004.55	0.095	0.091	0.077	0.26227
594408.87	4129004.55	0.101	0.096	0.081	0.27902
594434.78	4129004.55	0.107	0.102	0.086	0.29530
594460.69	4129004.55	0.113	0.107	0.091	0.31060
594486.6	4129004.55	0.118	0.112	0.095	0.32421
594331.14	4129046.6	0.076	0.072	0.061	0.20855
594357.05	4129046.6	0.080	0.076	0.064	0.22001
594382.96	4129046.6	0.084	0.080	0.067	0.23122
594408.87	4129046.6	0.088	0.083	0.071	0.24172
594434.78	4129046.6	0.091	0.087	0.073	0.25124
594460.69	4129046.6	0.094	0.090	0.076	0.25933
594486.6	4129046.6	0.096	0.092	0.078	0.26559
594331.14	4129088.65	0.068	0.064	0.054	0.18655
594357.05	4129088.65	0.070	0.067	0.057	0.19418
594382.96	4129088.65	0.073	0.069	0.059	0.20109
594408.87	4129088.65	0.075	0.072	0.060	0.20709
594434.78	4129088.65	0.077	0.073	0.062	0.21198
594460.69	4129088.65	0.078	0.074	0.063	0.21552
594486.6	4129088.65	0.079	0.075	0.063	0.21754
594331.14	4129130.7	0.060	0.057	0.048	0.16504
594357.05	4129130.7	0.062	0.059	0.050	0.16965
594382.96	4129130.7	0.063	0.060	0.051	0.17350

594408.87	4129130.7	0.064	0.061	0.052	0.17646
594434.78	4129130.7	0.065	0.062	0.052	0.17848
594460.69	4129130.7	0.065	0.062	0.052	0.17940
594486.6	4129130.7	0.065	0.062	0.052	0.17920
595047.1	4127721.65	0.010	0.010	0.008	0.02817
595080.55	4127721.65	0.011	0.011	0.009	0.03064
595047.1	4127745.31	0.011	0.011	0.009	0.03049
595080.55	4127745.31	0.012	0.011	0.010	0.03308
595047.1	4127768.97	0.012	0.011	0.010	0.03298
595080.55	4127768.97	0.013	0.012	0.010	0.03578
595047.1	4127792.63	0.013	0.012	0.010	0.03579
595080.55	4127792.63	0.014	0.013	0.011	0.03886
595047.1	4127816.29	0.014	0.013	0.011	0.03897
595080.55	4127816.29	0.015	0.015	0.012	0.04226
595047.1	4127839.95	0.015	0.015	0.012	0.04244
595080.55	4127839.95	0.017	0.016	0.013	0.04606
595047.1	4127863.61	0.017	0.016	0.014	0.04634
595080.55	4127863.61	0.018	0.017	0.015	0.05036
595047.1	4127887.27	0.018	0.018	0.015	0.05083
595080.55	4127887.27	0.020	0.019	0.016	0.05506
595047.1	4127910.93	0.020	0.019	0.016	0.05583
595080.55	4127910.93	0.022	0.021	0.018	0.06044
595047.1	4127934.59	0.022	0.021	0.018	0.06148
595080.55	4127934.59	0.024	0.023	0.019	0.06638
595047.1	4127958.25	0.025	0.023	0.020	0.06783
595080.55	4127958.25	0.026	0.025	0.021	0.07306
595047.1	4127981.91	0.027	0.026	0.022	0.07499
595080.55	4127981.91	0.029	0.028	0.024	0.08060
595047.1	4128005.57	0.030	0.029	0.024	0.08311
595080.55	4128005.57	0.032	0.031	0.026	0.08911
595047.1	4128029.23	0.033	0.032	0.027	0.09237
595080.55	4128029.23	0.036	0.034	0.029	0.09873
595047.1	4128052.89	0.037	0.036	0.030	0.10291
595080.55	4128052.89	0.040	0.038	0.032	0.10961
594886.23	4127719.27	0.006	0.006	0.005	0.01742
594950.74	4127719.27	0.008	0.007	0.006	0.02136
594886.23	4127747.71	0.007	0.007	0.006	0.01899
594950.74	4127747.71	0.008	0.008	0.007	0.02338
594886.23	4127776.15	0.007	0.007	0.006	0.02074
594950.74	4127776.15	0.009	0.009	0.008	0.02567

594886.23	4127804.59	0.008	0.008	0.007	0.02278
594950.74	4127804.59	0.010	0.010	0.008	0.02831
594886.23	4127833.03	0.009	0.009	0.007	0.02510
594950.74	4127833.03	0.011	0.011	0.009	0.03130
594886.23	4127861.47	0.010	0.010	0.008	0.02780
594950.74	4127861.47	0.012	0.012	0.010	0.03472
594886.23	4127889.91	0.011	0.011	0.009	0.03086
594950.74	4127889.91	0.014	0.013	0.011	0.03877
594886.23	4127918.35	0.012	0.012	0.010	0.03445
594950.74	4127918.35	0.016	0.015	0.013	0.04342
594834.46	4127713.69	0.005	0.005	0.004	0.01435
594862.34	4127713.69	0.006	0.005	0.005	0.01579
594834.46	4127736.34	0.005	0.005	0.005	0.01531
594862.34	4127736.34	0.006	0.006	0.005	0.01689
594834.46	4127758.99	0.006	0.006	0.005	0.01636
594862.34	4127758.99	0.006	0.006	0.005	0.01811
594834.46	4127781.64	0.006	0.006	0.005	0.01755
594862.34	4127781.64	0.007	0.007	0.006	0.01941
594834.46	4127804.29	0.007	0.007	0.006	0.01883
594862.34	4127804.29	0.007	0.007	0.006	0.02091
594834.46	4127826.94	0.007	0.007	0.006	0.02030
594862.34	4127826.94	0.008	0.008	0.007	0.02255
594834.46	4127849.59	0.008	0.008	0.006	0.02191
594862.34	4127849.59	0.009	0.008	0.007	0.02436
594834.46	4127872.24	0.008	0.008	0.007	0.02369
594862.34	4127872.24	0.009	0.009	0.008	0.02638
594834.46	4127894.89	0.009	0.009	0.008	0.02569
594862.34	4127894.89	0.010	0.010	0.008	0.02873
594834.46	4127917.54	0.010	0.010	0.008	0.02802
594862.34	4127917.54	0.011	0.011	0.009	0.03135
595026.39	4127722.45	0.010	0.009	0.008	0.02677
595026.39	4127759.08	0.011	0.010	0.009	0.03021
595026.39	4127795.71	0.012	0.012	0.010	0.03427
595026.39	4127832.34	0.014	0.014	0.011	0.03907
595026.39	4127868.97	0.016	0.016	0.013	0.04481
595026.39	4127905.6	0.019	0.018	0.015	0.05178
595026.39	4127942.23	0.022	0.021	0.018	0.06014
595026.39	4127978.86	0.025	0.024	0.021	0.07032
595026.39	4128015.49	0.030	0.029	0.024	0.08273
595026.39	4128052.12	0.035	0.034	0.029	0.09795



594967.92	4128313.02	0.138	0.131	0.111	0.38022
594989.44	4128313.02	0.140	0.134	0.113	0.38730
595010.96	4128313.02	0.142	0.135	0.114	0.39112
595032.48	4128313.02	0.142	0.135	0.114	0.39197
595054	4128313.02	0.142	0.135	0.114	0.39017
595075.52	4128313.02	0.140	0.133	0.113	0.38606
594967.92	4128341.65	0.167	0.159	0.135	0.46180
594989.44	4128341.65	0.169	0.161	0.136	0.46547
595010.96	4128341.65	0.169	0.161	0.136	0.46525
595032.48	4128341.65	0.167	0.159	0.135	0.46162
595054	4128341.65	0.165	0.157	0.133	0.45505
595075.52	4128341.65	0.162	0.154	0.130	0.44606
594967.92	4128370.28	0.204	0.194	0.164	0.56285
594989.44	4128370.28	0.203	0.194	0.164	0.56044
595010.96	4128370.28	0.201	0.191	0.162	0.55360
595032.48	4128370.28	0.197	0.188	0.158	0.54303
595054	4128370.28	0.192	0.183	0.155	0.52953
595075.52	4128370.28	0.186	0.177	0.150	0.51374
594967.92	4128398.91	0.249	0.237	0.200	0.68675
594989.44	4128398.91	0.245	0.233	0.197	0.67421
595010.96	4128398.91	0.238	0.227	0.192	0.65715
595032.48	4128398.91	0.231	0.220	0.186	0.63655
595054	4128398.91	0.223	0.212	0.179	0.61332
595075.52	4128398.91	0.213	0.203	0.172	0.58829
594967.92	4128427.54	0.303	0.289	0.244	0.83614
594989.44	4128427.54	0.293	0.279	0.236	0.80784
595010.96	4128427.54	0.282	0.268	0.226	0.77581
595032.48	4128427.54	0.269	0.256	0.216	0.74111
595054	4128427.54	0.256	0.243	0.206	0.70486
595075.52	4128427.54	0.242	0.231	0.195	0.66793
595000.73	4128430.99	0.293	0.279	0.236	0.80769
595032.09	4128430.99	0.274	0.261	0.220	0.75506
595063.45	4128430.99	0.254	0.242	0.204	0.69941
595000.73	4128448.25	0.324	0.308	0.260	0.89251
595032.09	4128448.25	0.299	0.284	0.240	0.82333
595063.45	4128448.25	0.273	0.260	0.220	0.75353
595000.73	4128465.51	0.356	0.339	0.287	0.98206
595032.09	4128465.51	0.324	0.309	0.261	0.89380
595063.45	4128465.51	0.293	0.279	0.236	0.80796
595056.55	4128477.03	0.314	0.299	0.252	0.86497

595097.42	4128477.03	0.271	0.258	0.218	0.74647
595138.29	4128477.03	0.233	0.221	0.187	0.64090
595056.55	4128506.38	0.348	0.331	0.280	0.95772
595097.42	4128506.38	0.292	0.278	0.235	0.80562
595138.29	4128506.38	0.245	0.233	0.197	0.67589
595185.07	4128542.78	0.201	0.191	0.161	0.55303
595200.24	4128542.78	0.186	0.177	0.150	0.51350
595215.41	4128542.78	0.173	0.165	0.139	0.47702
595230.58	4128542.78	0.161	0.153	0.129	0.44345
595245.75	4128542.78	0.150	0.142	0.120	0.41258
595260.92	4128542.78	0.139	0.133	0.112	0.38418
595276.09	4128542.78	0.130	0.124	0.105	0.35806
595291.26	4128542.78	0.121	0.115	0.097	0.33401
595306.43	4128542.78	0.113	0.108	0.091	0.31187
595321.6	4128542.78	0.106	0.101	0.085	0.29147
595185.07	4128563.98	0.197	0.187	0.158	0.54219
595200.24	4128563.98	0.182	0.173	0.146	0.50132
595215.41	4128563.98	0.168	0.160	0.135	0.46367
595230.58	4128563.98	0.156	0.148	0.125	0.42924
595245.75	4128563.98	0.144	0.137	0.116	0.39782
595260.92	4128563.98	0.134	0.127	0.108	0.36912
595276.09	4128563.98	0.124	0.118	0.100	0.34291
595291.26	4128563.98	0.116	0.110	0.093	0.31894
595306.43	4128563.98	0.108	0.103	0.087	0.29701
595321.6	4128563.98	0.100	0.096	0.081	0.27695
595185.07	4128585.18	0.190	0.180	0.152	0.52244
595200.24	4128585.18	0.175	0.166	0.140	0.48127
595215.41	4128585.18	0.161	0.153	0.129	0.44347
595230.58	4128585.18	0.148	0.141	0.119	0.40911
595245.75	4128585.18	0.137	0.131	0.110	0.37791
595260.92	4128585.18	0.127	0.121	0.102	0.34961
595276.09	4128585.18	0.117	0.112	0.095	0.32393
595291.26	4128585.18	0.109	0.104	0.088	0.30059
595306.43	4128585.18	0.101	0.096	0.082	0.27937
595321.6	4128585.18	0.094	0.090	0.076	0.26005
595185.07	4128606.38	0.179	0.170	0.144	0.49341
595200.24	4128606.38	0.164	0.156	0.132	0.45302
595215.41	4128606.38	0.151	0.144	0.122	0.41639
595230.58	4128606.38	0.139	0.132	0.112	0.38334
595245.75	4128606.38	0.128	0.122	0.103	0.35346

595260.92	4128606.38	0.118	0.113	0.095	0.32635
595276.09	4128606.38	0.109	0.104	0.088	0.30184
595291.26	4128606.38	0.101	0.097	0.082	0.27967
595306.43	4128606.38	0.094	0.090	0.076	0.25960
595321.6	4128606.38	0.088	0.083	0.070	0.24137
595343.81	4128516.24	0.101	0.096	0.081	0.27857
595380.27	4128516.24	0.087	0.083	0.070	0.24013
595416.73	4128516.24	0.075	0.072	0.061	0.20790
595453.19	4128516.24	0.066	0.062	0.053	0.18082
595343.81	4128534.78	0.098	0.093	0.079	0.26913
595380.27	4128534.78	0.084	0.080	0.067	0.23089
595416.73	4128534.78	0.072	0.069	0.058	0.19917
595453.19	4128534.78	0.063	0.060	0.050	0.17274
595343.81	4128553.32	0.094	0.089	0.075	0.25780
595380.27	4128553.32	0.080	0.076	0.064	0.22031
595416.73	4128553.32	0.069	0.065	0.055	0.18951
595453.19	4128553.32	0.059	0.057	0.048	0.16403
595343.81	4128571.86	0.089	0.085	0.071	0.24487
595380.27	4128571.86	0.076	0.072	0.061	0.20868
595416.73	4128571.86	0.065	0.062	0.052	0.17915
595453.19	4128571.86	0.056	0.054	0.045	0.15490
595343.81	4128590.4	0.084	0.080	0.067	0.23065
595380.27	4128590.4	0.071	0.068	0.057	0.19619
595416.73	4128590.4	0.061	0.058	0.049	0.16824
595453.19	4128590.4	0.053	0.050	0.042	0.14547
595343.81	4128608.94	0.078	0.074	0.063	0.21529
595380.27	4128608.94	0.066	0.063	0.053	0.18259
595416.73	4128608.94	0.057	0.054	0.046	0.15669
595453.19	4128608.94	0.049	0.047	0.040	0.13565
595459.33	4128741.51	0.028	0.027	0.023	0.07714
595488.36	4128741.51	0.025	0.024	0.021	0.07036
595517.39	4128741.51	0.023	0.022	0.019	0.06459
595546.42	4128741.51	0.022	0.021	0.017	0.05983
595575.45	4128741.51	0.020	0.019	0.016	0.05600
595604.48	4128741.51	0.019	0.018	0.015	0.05223
595633.51	4128741.51	0.018	0.017	0.014	0.04876
595662.54	4128741.51	0.016	0.016	0.013	0.04562
595691.57	4128741.51	0.015	0.015	0.013	0.04280
595720.6	4128741.51	0.015	0.014	0.012	0.04030
595749.63	4128741.51	0.014	0.013	0.011	0.03801

595778.66	4128741.51	0.013	0.012	0.010	0.03588
595807.69	4128741.51	0.012	0.012	0.010	0.03393
595836.72	4128741.51	0.012	0.011	0.009	0.03214
595865.75	4128741.51	0.011	0.011	0.009	0.03049
595894.78	4128741.51	0.010	0.010	0.008	0.02898
595923.81	4128741.51	0.010	0.010	0.008	0.02759
595952.84	4128741.51	0.010	0.009	0.008	0.02630
595981.87	4128741.51	0.009	0.009	0.007	0.02511
596010.9	4128741.51	0.009	0.008	0.007	0.02400
596039.93	4128741.51	0.008	0.008	0.007	0.02296
595459.33	4128760.66	0.026	0.025	0.021	0.07116
595488.36	4128760.66	0.024	0.023	0.019	0.06540
595517.39	4128760.66	0.022	0.021	0.018	0.06019
595546.42	4128760.66	0.020	0.019	0.016	0.05575
595575.45	4128760.66	0.019	0.018	0.015	0.05213
595604.48	4128760.66	0.018	0.017	0.014	0.04877
595633.51	4128760.66	0.017	0.016	0.013	0.04567
595662.54	4128760.66	0.015	0.015	0.013	0.04280
595691.57	4128760.66	0.015	0.014	0.012	0.04023
595720.6	4128760.66	0.014	0.013	0.011	0.03813
595749.63	4128760.66	0.013	0.013	0.011	0.03614
595778.66	4128760.66	0.012	0.012	0.010	0.03421
595807.69	4128760.66	0.012	0.011	0.009	0.03242
595836.72	4128760.66	0.011	0.011	0.009	0.03077
595865.75	4128760.66	0.011	0.010	0.009	0.02924
595894.78	4128760.66	0.010	0.010	0.008	0.02784
595923.81	4128760.66	0.010	0.009	0.008	0.02655
595952.84	4128760.66	0.009	0.009	0.007	0.02535
595981.87	4128760.66	0.009	0.008	0.007	0.02424
596010.9	4128760.66	0.008	0.008	0.007	0.02320
596039.93	4128760.66	0.008	0.008	0.007	0.02223
595459.33	4128779.81	0.024	0.023	0.019	0.06556
595488.36	4128779.81	0.022	0.021	0.018	0.06060
595517.39	4128779.81	0.020	0.019	0.016	0.05599
595546.42	4128779.81	0.019	0.018	0.015	0.05198
595575.45	4128779.81	0.018	0.017	0.014	0.04864
595604.48	4128779.81	0.016	0.016	0.013	0.04557
595633.51	4128779.81	0.015	0.015	0.013	0.04282
595662.54	4128779.81	0.015	0.014	0.012	0.04024
595691.57	4128779.81	0.014	0.013	0.011	0.03785

595720.6	4128779.81	0.013	0.012	0.011	0.03592
595749.63	4128779.81	0.012	0.012	0.010	0.03426
595778.66	4128779.81	0.012	0.011	0.010	0.03256
595807.69	4128779.81	0.011	0.011	0.009	0.03093
595836.72	4128779.81	0.011	0.010	0.009	0.02941
595865.75	4128779.81	0.010	0.010	0.008	0.02801
595894.78	4128779.81	0.010	0.009	0.008	0.02672
595923.81	4128779.81	0.009	0.009	0.007	0.02552
595952.84	4128779.81	0.009	0.008	0.007	0.02441
595981.87	4128779.81	0.008	0.008	0.007	0.02337
596010.9	4128779.81	0.008	0.008	0.007	0.02240
596039.93	4128779.81	0.008	0.007	0.006	0.02150
595459.33	4128798.96	0.022	0.021	0.018	0.06037
595488.36	4128798.96	0.020	0.019	0.016	0.05607
595517.39	4128798.96	0.019	0.018	0.015	0.05203
595546.42	4128798.96	0.018	0.017	0.014	0.04846
595575.45	4128798.96	0.016	0.016	0.013	0.04542
595604.48	4128798.96	0.015	0.015	0.012	0.04260
595633.51	4128798.96	0.015	0.014	0.012	0.04019
595662.54	4128798.96	0.014	0.013	0.011	0.03790
595691.57	4128798.96	0.013	0.012	0.010	0.03564
595720.6	4128798.96	0.012	0.012	0.010	0.03374
595749.63	4128798.96	0.012	0.011	0.009	0.03235
595778.66	4128798.96	0.011	0.011	0.009	0.03092
595807.69	4128798.96	0.011	0.010	0.009	0.02942
595836.72	4128798.96	0.010	0.010	0.008	0.02806
595865.75	4128798.96	0.010	0.009	0.008	0.02679
595894.78	4128798.96	0.009	0.009	0.007	0.02561
595923.81	4128798.96	0.009	0.008	0.007	0.02450
595952.84	4128798.96	0.008	0.008	0.007	0.02347
595981.87	4128798.96	0.008	0.008	0.007	0.02251
596010.9	4128798.96	0.008	0.007	0.006	0.02160
596039.93	4128798.96	0.007	0.007	0.006	0.02076
595459.33	4128818.11	0.020	0.019	0.016	0.05560
595488.36	4128818.11	0.019	0.018	0.015	0.05182
595517.39	4128818.11	0.017	0.017	0.014	0.04824
595546.42	4128818.11	0.016	0.016	0.013	0.04506
595575.45	4128818.11	0.015	0.015	0.012	0.04241
595604.48	4128818.11	0.014	0.014	0.012	0.03984
595633.51	4128818.11	0.014	0.013	0.011	0.03782

595662.54	4128818.11	0.013	0.012	0.010	0.03575
595691.57	4128818.11	0.012	0.012	0.010	0.03366
595720.6	4128818.11	0.012	0.011	0.009	0.03195
595749.63	4128818.11	0.011	0.011	0.009	0.03053
595778.66	4128818.11	0.011	0.010	0.009	0.02912
595807.69	4128818.11	0.010	0.010	0.008	0.02774
595836.72	4128818.11	0.010	0.009	0.008	0.02661
595865.75	4128818.11	0.009	0.009	0.007	0.02557
595894.78	4128818.11	0.009	0.008	0.007	0.02450
595923.81	4128818.11	0.008	0.008	0.007	0.02348
595952.84	4128818.11	0.008	0.008	0.007	0.02253
595981.87	4128818.11	0.008	0.007	0.006	0.02164
596010.9	4128818.11	0.008	0.007	0.006	0.02080
596039.93	4128818.11	0.007	0.007	0.006	0.02002
595459.33	4128837.26	0.018	0.018	0.015	0.05124
595488.36	4128837.26	0.017	0.017	0.014	0.04788
595517.39	4128837.26	0.016	0.015	0.013	0.04470
595546.42	4128837.26	0.015	0.015	0.012	0.04190
595575.45	4128837.26	0.014	0.014	0.012	0.03966
595604.48	4128837.26	0.013	0.013	0.011	0.03737
595633.51	4128837.26	0.013	0.012	0.010	0.03556
595662.54	4128837.26	0.012	0.012	0.010	0.03373
595691.57	4128837.26	0.012	0.011	0.009	0.03187
595720.6	4128837.26	0.011	0.010	0.009	0.03029
595749.63	4128837.26	0.010	0.010	0.008	0.02884
595778.66	4128837.26	0.010	0.010	0.008	0.02745
595807.69	4128837.26	0.009	0.009	0.008	0.02619
595836.72	4128837.26	0.009	0.009	0.007	0.02519
595865.75	4128837.26	0.009	0.008	0.007	0.02433
595894.78	4128837.26	0.008	0.008	0.007	0.02340
595923.81	4128837.26	0.008	0.008	0.007	0.02248
595952.84	4128837.26	0.008	0.007	0.006	0.02160
595981.87	4128837.26	0.007	0.007	0.006	0.02077
596010.9	4128837.26	0.007	0.007	0.006	0.01999
596039.93	4128837.26	0.007	0.007	0.006	0.01927
595459.33	4128856.41	0.017	0.016	0.014	0.04732
595488.36	4128856.41	0.016	0.015	0.013	0.04428
595517.39	4128856.41	0.015	0.014	0.012	0.04146
595546.42	4128856.41	0.014	0.014	0.011	0.03899
595575.45	4128856.41	0.013	0.013	0.011	0.03717

595604.48	4128856.41	0.013	0.012	0.010	0.03513
595633.51	4128856.41	0.012	0.012	0.010	0.03342
595662.54	4128856.41	0.011	0.011	0.009	0.03182
595691.57	4128856.41	0.011	0.010	0.009	0.03021
595720.6	4128856.41	0.010	0.010	0.008	0.02873
595749.63	4128856.41	0.010	0.009	0.008	0.02727
595778.66	4128856.41	0.009	0.009	0.008	0.02594
595807.69	4128856.41	0.009	0.009	0.007	0.02480
595836.72	4128856.41	0.009	0.008	0.007	0.02382
595865.75	4128856.41	0.008	0.008	0.007	0.02307
595894.78	4128856.41	0.008	0.008	0.007	0.02229
595923.81	4128856.41	0.008	0.007	0.006	0.02147
595952.84	4128856.41	0.007	0.007	0.006	0.02066
595981.87	4128856.41	0.007	0.007	0.006	0.01989
596010.9	4128856.41	0.007	0.007	0.006	0.01918
596039.93	4128856.41	0.007	0.006	0.005	0.01852
595459.33	4128875.56	0.016	0.015	0.013	0.04383
595488.36	4128875.56	0.015	0.014	0.012	0.04112
595517.39	4128875.56	0.014	0.013	0.011	0.03872
595546.42	4128875.56	0.013	0.013	0.011	0.03663
595575.45	4128875.56	0.013	0.012	0.010	0.03469
595604.48	4128875.56	0.012	0.011	0.010	0.03295
595633.51	4128875.56	0.011	0.011	0.009	0.03140
595662.54	4128875.56	0.011	0.010	0.009	0.02992
595691.57	4128875.56	0.010	0.010	0.008	0.02846
595720.6	4128875.56	0.010	0.009	0.008	0.02715
595749.63	4128875.56	0.009	0.009	0.008	0.02592
595778.66	4128875.56	0.009	0.009	0.007	0.02478
595807.69	4128875.56	0.009	0.008	0.007	0.02365
595836.72	4128875.56	0.008	0.008	0.007	0.02266
595865.75	4128875.56	0.008	0.008	0.006	0.02190
595894.78	4128875.56	0.008	0.007	0.006	0.02115
595923.81	4128875.56	0.007	0.007	0.006	0.02046
595952.84	4128875.56	0.007	0.007	0.006	0.01973
595981.87	4128875.56	0.007	0.007	0.006	0.01904
596010.9	4128875.56	0.007	0.006	0.005	0.01838
596039.93	4128875.56	0.006	0.006	0.005	0.01775
595459.33	4128894.71	0.015	0.014	0.012	0.04087
595488.36	4128894.71	0.014	0.013	0.011	0.03840
595517.39	4128894.71	0.013	0.013	0.011	0.03631

595546.42	4128894.71	0.012	0.012	0.010	0.03443
595575.45	4128894.71	0.012	0.011	0.010	0.03253
595604.48	4128894.71	0.011	0.011	0.009	0.03098
595633.51	4128894.71	0.011	0.010	0.009	0.02954
595662.54	4128894.71	0.010	0.010	0.008	0.02815
595691.57	4128894.71	0.010	0.009	0.008	0.02684
595720.6	4128894.71	0.009	0.009	0.008	0.02566
595749.63	4128894.71	0.009	0.009	0.007	0.02458
595778.66	4128894.71	0.008	0.008	0.007	0.02356
595807.69	4128894.71	0.008	0.008	0.007	0.02250
595836.72	4128894.71	0.008	0.007	0.006	0.02155
595865.75	4128894.71	0.007	0.007	0.006	0.02079
595894.78	4128894.71	0.007	0.007	0.006	0.02007
595923.81	4128894.71	0.007	0.007	0.006	0.01948
595952.84	4128894.71	0.007	0.007	0.006	0.01882
595981.87	4128894.71	0.007	0.006	0.005	0.01819
596010.9	4128894.71	0.006	0.006	0.005	0.01758
596039.93	4128894.71	0.006	0.006	0.005	0.01700
595459.33	4128913.86	0.014	0.013	0.011	0.03840
595488.36	4128913.86	0.013	0.013	0.011	0.03615
595517.39	4128913.86	0.012	0.012	0.010	0.03423
595546.42	4128913.86	0.012	0.011	0.010	0.03241
595575.45	4128913.86	0.011	0.011	0.009	0.03073
595604.48	4128913.86	0.011	0.010	0.009	0.02922
595633.51	4128913.86	0.010	0.010	0.008	0.02783
595662.54	4128913.86	0.010	0.009	0.008	0.02654
595691.57	4128913.86	0.009	0.009	0.007	0.02534
595720.6	4128913.86	0.009	0.008	0.007	0.02426
595749.63	4128913.86	0.008	0.008	0.007	0.02326
595778.66	4128913.86	0.008	0.008	0.007	0.02231
595807.69	4128913.86	0.008	0.007	0.006	0.02136
595836.72	4128913.86	0.007	0.007	0.006	0.02049
595865.75	4128913.86	0.007	0.007	0.006	0.01975
595894.78	4128913.86	0.007	0.007	0.006	0.01911
595923.81	4128913.86	0.007	0.006	0.005	0.01854
595952.84	4128913.86	0.006	0.006	0.005	0.01794
595981.87	4128913.86	0.006	0.006	0.005	0.01735
596010.9	4128913.86	0.006	0.006	0.005	0.01679
596039.93	4128913.86	0.006	0.006	0.005	0.01626
595459.33	4128933.01	0.013	0.013	0.011	0.03642



595488.36	4128933.01	0.012	0.012	0.010	0.03431
595517.39	4128933.01	0.012	0.011	0.010	0.03243
595546.42	4128933.01	0.011	0.011	0.009	0.03069
595575.45	4128933.01	0.010	0.010	0.009	0.02911
595604.48	4128933.01	0.010	0.010	0.008	0.02766
595633.51	4128933.01	0.009	0.009	0.008	0.02633
595662.54	4128933.01	0.009	0.009	0.007	0.02512
595691.57	4128933.01	0.009	0.008	0.007	0.02401
595720.6	4128933.01	0.008	0.008	0.007	0.02298
595749.63	4128933.01	0.008	0.008	0.006	0.02204
595778.66	4128933.01	0.008	0.007	0.006	0.02114
595807.69	4128933.01	0.007	0.007	0.006	0.02026
595836.72	4128933.01	0.007	0.007	0.006	0.01946
595865.75	4128933.01	0.007	0.007	0.006	0.01877
595894.78	4128933.01	0.007	0.006	0.005	0.01817
595923.81	4128933.01	0.006	0.006	0.005	0.01765
595952.84	4128933.01	0.006	0.006	0.005	0.01710
595981.87	4128933.01	0.006	0.006	0.005	0.01655
596010.9	4128933.01	0.006	0.006	0.005	0.01603
596039.93	4128933.01	0.006	0.005	0.005	0.01554
595459.33	4128952.16	0.012	0.012	0.010	0.03479
595488.36	4128952.16	0.012	0.011	0.010	0.03279
595517.39	4128952.16	0.011	0.011	0.009	0.03093
595546.42	4128952.16	0.011	0.010	0.009	0.02925
595575.45	4128952.16	0.010	0.010	0.008	0.02773
595604.48	4128952.16	0.009	0.009	0.008	0.02633
595633.51	4128952.16	0.009	0.009	0.007	0.02505
595662.54	4128952.16	0.009	0.008	0.007	0.02389
595691.57	4128952.16	0.008	0.008	0.007	0.02282
595720.6	4128952.16	0.008	0.008	0.006	0.02185
595749.63	4128952.16	0.008	0.007	0.006	0.02094
595778.66	4128952.16	0.007	0.007	0.006	0.02007
595807.69	4128952.16	0.007	0.007	0.006	0.01925
595836.72	4128952.16	0.007	0.006	0.005	0.01851
595865.75	4128952.16	0.006	0.006	0.005	0.01784
595894.78	4128952.16	0.006	0.006	0.005	0.01727
595923.81	4128952.16	0.006	0.006	0.005	0.01680
595952.84	4128952.16	0.006	0.006	0.005	0.01630
595981.87	4128952.16	0.006	0.005	0.005	0.01580
596010.9	4128952.16	0.006	0.005	0.004	0.01531

596039.93	4128952.16	0.005	0.005	0.004	0.01485
595459.33	4128971.31	0.012	0.012	0.010	0.03344
595488.36	4128971.31	0.011	0.011	0.009	0.03149
595517.39	4128971.31	0.011	0.010	0.009	0.02969
595546.42	4128971.31	0.010	0.010	0.008	0.02806
595575.45	4128971.31	0.010	0.009	0.008	0.02658
595604.48	4128971.31	0.009	0.009	0.007	0.02521
595633.51	4128971.31	0.009	0.008	0.007	0.02398
595662.54	4128971.31	0.008	0.008	0.007	0.02285
595691.57	4128971.31	0.008	0.008	0.006	0.02181
595720.6	4128971.31	0.007	0.007	0.006	0.02085
595749.63	4128971.31	0.007	0.007	0.006	0.01996
595778.66	4128971.31	0.007	0.007	0.006	0.01913
595807.69	4128971.31	0.007	0.006	0.005	0.01836
595836.72	4128971.31	0.006	0.006	0.005	0.01766
595865.75	4128971.31	0.006	0.006	0.005	0.01699
595894.78	4128971.31	0.006	0.006	0.005	0.01639
595923.81	4128971.31	0.006	0.006	0.005	0.01596
595952.84	4128971.31	0.006	0.005	0.005	0.01555
595981.87	4128971.31	0.005	0.005	0.004	0.01509
596010.9	4128971.31	0.005	0.005	0.004	0.01463
596039.93	4128971.31	0.005	0.005	0.004	0.01420
595459.33	4128990.46	0.012	0.011	0.009	0.03228
595488.36	4128990.46	0.011	0.011	0.009	0.03040
595517.39	4128990.46	0.010	0.010	0.008	0.02867
595546.42	4128990.46	0.010	0.009	0.008	0.02709
595575.45	4128990.46	0.009	0.009	0.008	0.02563
595604.48	4128990.46	0.009	0.008	0.007	0.02430
595633.51	4128990.46	0.008	0.008	0.007	0.02308
595662.54	4128990.46	0.008	0.008	0.006	0.02198
595691.57	4128990.46	0.008	0.007	0.006	0.02096
595720.6	4128990.46	0.007	0.007	0.006	0.02001
595749.63	4128990.46	0.007	0.007	0.006	0.01913
595778.66	4128990.46	0.007	0.006	0.005	0.01833
595807.69	4128990.46	0.006	0.006	0.005	0.01760
595836.72	4128990.46	0.006	0.006	0.005	0.01695
595865.75	4128990.46	0.006	0.006	0.005	0.01631
595894.78	4128990.46	0.006	0.005	0.005	0.01568
595923.81	4128990.46	0.005	0.005	0.004	0.01519
595952.84	4128990.46	0.005	0.005	0.004	0.01479

595981.87	4128990.46	0.005	0.005	0.004	0.01442
596010.9	4128990.46	0.005	0.005	0.004	0.01400
596039.93	4128990.46	0.005	0.005	0.004	0.01359
595459.33	4129009.61	0.011	0.011	0.009	0.03126
595488.36	4129009.61	0.011	0.010	0.009	0.02947
595517.39	4129009.61	0.010	0.010	0.008	0.02782
595546.42	4129009.61	0.009	0.009	0.008	0.02628
595575.45	4129009.61	0.009	0.009	0.007	0.02486
595604.48	4129009.61	0.008	0.008	0.007	0.02356
595633.51	4129009.61	0.008	0.008	0.007	0.02236
595662.54	4129009.61	0.008	0.007	0.006	0.02126
595691.57	4129009.61	0.007	0.007	0.006	0.02025
595720.6	4129009.61	0.007	0.007	0.006	0.01930
595749.63	4129009.61	0.007	0.006	0.005	0.01843
595778.66	4129009.61	0.006	0.006	0.005	0.01765
595807.69	4129009.61	0.006	0.006	0.005	0.01696
595836.72	4129009.61	0.006	0.006	0.005	0.01635
595865.75	4129009.61	0.006	0.005	0.005	0.01573
595894.78	4129009.61	0.005	0.005	0.004	0.01509
595923.81	4129009.61	0.005	0.005	0.004	0.01452
595952.84	4129009.61	0.005	0.005	0.004	0.01408
595981.87	4129009.61	0.005	0.005	0.004	0.01380
596010.9	4129009.61	0.005	0.005	0.004	0.01342
596039.93	4129009.61	0.005	0.005	0.004	0.01303
595459.33	4129028.76	0.011	0.011	0.009	0.03032
595488.36	4129028.76	0.010	0.010	0.008	0.02864
595517.39	4129028.76	0.010	0.009	0.008	0.02707
595546.42	4129028.76	0.009	0.009	0.008	0.02559
595575.45	4129028.76	0.009	0.008	0.007	0.02422
595604.48	4129028.76	0.008	0.008	0.007	0.02295
595633.51	4129028.76	0.008	0.008	0.006	0.02177
595662.54	4129028.76	0.007	0.007	0.006	0.02068
595691.57	4129028.76	0.007	0.007	0.006	0.01966
595720.6	4129028.76	0.007	0.007	0.006	0.01873
595749.63	4129028.76	0.006	0.006	0.005	0.01787
595778.66	4129028.76	0.006	0.006	0.005	0.01710
595807.69	4129028.76	0.006	0.006	0.005	0.01643
595836.72	4129028.76	0.006	0.005	0.005	0.01580
595865.75	4129028.76	0.005	0.005	0.004	0.01518
595894.78	4129028.76	0.005	0.005	0.004	0.01463

595923.81	4129028.76	0.005	0.005	0.004	0.01410
595952.84	4129028.76	0.005	0.005	0.004	0.01354
595981.87	4129028.76	0.005	0.005	0.004	0.01317
596010.9	4129028.76	0.005	0.004	0.004	0.01289
596039.93	4129028.76	0.005	0.004	0.004	0.01252
595459.33	4129047.91	0.010	0.010	0.009	0.02942
595488.36	4129047.91	0.010	0.010	0.008	0.02785
595517.39	4129047.91	0.009	0.009	0.008	0.02638
595546.42	4129047.91	0.009	0.009	0.007	0.02497
595575.45	4129047.91	0.008	0.008	0.007	0.02366
595604.48	4129047.91	0.008	0.008	0.007	0.02243
595633.51	4129047.91	0.008	0.007	0.006	0.02128
595662.54	4129047.91	0.007	0.007	0.006	0.02020
595691.57	4129047.91	0.007	0.007	0.006	0.01919
595720.6	4129047.91	0.007	0.006	0.005	0.01827
595749.63	4129047.91	0.006	0.006	0.005	0.01743
595778.66	4129047.91	0.006	0.006	0.005	0.01667
595807.69	4129047.91	0.006	0.006	0.005	0.01599
595836.72	4129047.91	0.006	0.005	0.005	0.01534
595865.75	4129047.91	0.005	0.005	0.004	0.01473
595894.78	4129047.91	0.005	0.005	0.004	0.01420
595923.81	4129047.91	0.005	0.005	0.004	0.01365
595952.84	4129047.91	0.005	0.005	0.004	0.01305
595981.87	4129047.91	0.005	0.004	0.004	0.01267
596010.9	4129047.91	0.004	0.004	0.004	0.01243
596039.93	4129047.91	0.004	0.004	0.004	0.01206
595459.33	4129067.06	0.010	0.010	0.008	0.02854
595488.36	4129067.06	0.010	0.009	0.008	0.02708
595517.39	4129067.06	0.009	0.009	0.008	0.02569
595546.42	4129067.06	0.009	0.008	0.007	0.02439
595575.45	4129067.06	0.008	0.008	0.007	0.02315
595604.48	4129067.06	0.008	0.008	0.006	0.02197
595633.51	4129067.06	0.007	0.007	0.006	0.02085
595662.54	4129067.06	0.007	0.007	0.006	0.01979
595691.57	4129067.06	0.007	0.007	0.006	0.01881
595720.6	4129067.06	0.006	0.006	0.005	0.01790
595749.63	4129067.06	0.006	0.006	0.005	0.01708
595778.66	4129067.06	0.006	0.006	0.005	0.01634
595807.69	4129067.06	0.006	0.005	0.005	0.01564
595836.72	4129067.06	0.005	0.005	0.004	0.01497

595865.75	4129067.06	0.005	0.005	0.004	0.01437
595894.78	4129067.06	0.005	0.005	0.004	0.01383
595923.81	4129067.06	0.005	0.005	0.004	0.01322
595952.84	4129067.06	0.005	0.004	0.004	0.01263
595981.87	4129067.06	0.004	0.004	0.004	0.01231
596010.9	4129067.06	0.004	0.004	0.004	0.01203
596039.93	4129067.06	0.004	0.004	0.003	0.01166
595459.33	4129086.21	0.010	0.010	0.008	0.02766
595488.36	4129086.21	0.009	0.009	0.008	0.02631
595517.39	4129086.21	0.009	0.009	0.007	0.02503
595546.42	4129086.21	0.008	0.008	0.007	0.02381
595575.45	4129086.21	0.008	0.008	0.007	0.02265
595604.48	4129086.21	0.008	0.008	0.006	0.02153
595633.51	4129086.21	0.007	0.007	0.006	0.02045
595662.54	4129086.21	0.007	0.007	0.006	0.01944
595691.57	4129086.21	0.007	0.006	0.005	0.01849
595720.6	4129086.21	0.006	0.006	0.005	0.01762
595749.63	4129086.21	0.006	0.006	0.005	0.01681
595778.66	4129086.21	0.006	0.006	0.005	0.01606
595807.69	4129086.21	0.005	0.005	0.005	0.01536
595836.72	4129086.21	0.005	0.005	0.004	0.01469
595865.75	4129086.21	0.005	0.005	0.004	0.01407
595894.78	4129086.21	0.005	0.005	0.004	0.01351
595923.81	4129086.21	0.005	0.005	0.004	0.01297
595952.84	4129086.21	0.004	0.004	0.004	0.01242
595981.87	4129086.21	0.004	0.004	0.004	0.01196
596010.9	4129086.21	0.004	0.004	0.003	0.01161
596039.93	4129086.21	0.004	0.004	0.003	0.01131
595459.33	4129105.36	0.010	0.009	0.008	0.02681
595488.36	4129105.36	0.009	0.009	0.008	0.02553
595517.39	4129105.36	0.009	0.009	0.007	0.02434
595546.42	4129105.36	0.008	0.008	0.007	0.02323
595575.45	4129105.36	0.008	0.008	0.007	0.02214
595604.48	4129105.36	0.008	0.007	0.006	0.02109
595633.51	4129105.36	0.007	0.007	0.006	0.02007
595662.54	4129105.36	0.007	0.007	0.006	0.01912
595691.57	4129105.36	0.007	0.006	0.005	0.01821
595720.6	4129105.36	0.006	0.006	0.005	0.01737
595749.63	4129105.36	0.006	0.006	0.005	0.01658
595778.66	4129105.36	0.006	0.006	0.005	0.01583

595807.69	4129105.36	0.005	0.005	0.004	0.01512
595836.72	4129105.36	0.005	0.005	0.004	0.01447
595865.75	4129105.36	0.005	0.005	0.004	0.01384
595894.78	4129105.36	0.005	0.005	0.004	0.01327
595923.81	4129105.36	0.005	0.004	0.004	0.01275
595952.84	4129105.36	0.004	0.004	0.004	0.01221
595981.87	4129105.36	0.004	0.004	0.003	0.01169
596010.9	4129105.36	0.004	0.004	0.003	0.01129
596039.93	4129105.36	0.004	0.004	0.003	0.01099
595459.33	4129124.51	0.009	0.009	0.008	0.02598
595488.36	4129124.51	0.009	0.009	0.007	0.02476
595517.39	4129124.51	0.008	0.008	0.007	0.02365
595546.42	4129124.51	0.008	0.008	0.007	0.02260
595575.45	4129124.51	0.008	0.008	0.006	0.02160
595604.48	4129124.51	0.007	0.007	0.006	0.02063
595633.51	4129124.51	0.007	0.007	0.006	0.01968
595662.54	4129124.51	0.007	0.007	0.006	0.01879
595691.57	4129124.51	0.006	0.006	0.005	0.01794
595720.6	4129124.51	0.006	0.006	0.005	0.01714
595749.63	4129124.51	0.006	0.006	0.005	0.01637
595778.66	4129124.51	0.006	0.005	0.005	0.01563
595807.69	4129124.51	0.005	0.005	0.004	0.01493
595836.72	4129124.51	0.005	0.005	0.004	0.01428
595865.75	4129124.51	0.005	0.005	0.004	0.01367
595894.78	4129124.51	0.005	0.005	0.004	0.01310
595923.81	4129124.51	0.004	0.004	0.004	0.01255
595952.84	4129124.51	0.004	0.004	0.004	0.01199
595981.87	4129124.51	0.004	0.004	0.003	0.01148
596010.9	4129124.51	0.004	0.004	0.003	0.01106
596039.93	4129124.51	0.004	0.004	0.003	0.01068
595249.89	4128695.55	0.081	0.077	0.065	0.22305
595290.33	4128695.55	0.066	0.063	0.053	0.18312
595330.77	4128695.55	0.055	0.053	0.045	0.15289
595371.21	4128695.55	0.047	0.045	0.038	0.12951
595411.65	4128695.55	0.040	0.038	0.032	0.11064
595452.09	4128695.55	0.035	0.033	0.028	0.09565
595249.89	4128726.21	0.067	0.064	0.054	0.18404
595290.33	4128726.21	0.056	0.053	0.045	0.15330
595330.77	4128726.21	0.047	0.045	0.038	0.12970
595371.21	4128726.21	0.040	0.038	0.032	0.11121

595411.65	4128726.21	0.035	0.033	0.028	0.09637
595452.09	4128726.21	0.030	0.029	0.025	0.08418
595249.89	4128756.87	0.054	0.052	0.044	0.15041
595290.33	4128756.87	0.046	0.044	0.037	0.12747
595330.77	4128756.87	0.040	0.038	0.032	0.10950
595371.21	4128756.87	0.034	0.033	0.028	0.09517
595411.65	4128756.87	0.030	0.029	0.024	0.08351
595452.09	4128756.87	0.027	0.026	0.022	0.07386
595249.89	4128787.53	0.044	0.043	0.036	0.12287
595290.33	4128787.53	0.038	0.037	0.031	0.10600
595330.77	4128787.53	0.033	0.032	0.027	0.09245
595371.21	4128787.53	0.029	0.028	0.024	0.08139
595411.65	4128787.53	0.026	0.025	0.021	0.07228
595452.09	4128787.53	0.023	0.022	0.019	0.06466
595249.89	4128818.19	0.037	0.035	0.030	0.10136
595290.33	4128818.19	0.032	0.031	0.026	0.08874
595330.77	4128818.19	0.028	0.027	0.023	0.07840
595371.21	4128818.19	0.025	0.024	0.020	0.06983
595411.65	4128818.19	0.023	0.022	0.018	0.06265
595452.09	4128818.19	0.020	0.020	0.017	0.05657
595249.89	4128848.85	0.031	0.030	0.025	0.08534
595290.33	4128848.85	0.027	0.026	0.022	0.07549
595330.77	4128848.85	0.024	0.023	0.020	0.06731
595371.21	4128848.85	0.022	0.021	0.018	0.06045
595411.65	4128848.85	0.020	0.019	0.016	0.05463
595452.09	4128848.85	0.018	0.017	0.015	0.04963
595249.89	4128879.51	0.027	0.026	0.022	0.07383
595290.33	4128879.51	0.024	0.023	0.019	0.06572
595330.77	4128879.51	0.021	0.020	0.017	0.05890
595371.21	4128879.51	0.019	0.018	0.016	0.05316
595411.65	4128879.51	0.017	0.017	0.014	0.04822
595452.09	4128879.51	0.016	0.015	0.013	0.04390
595249.89	4128910.17	0.024	0.023	0.019	0.06565
595290.33	4128910.17	0.021	0.020	0.017	0.05870
595330.77	4128910.17	0.019	0.018	0.015	0.05277
595371.21	4128910.17	0.017	0.017	0.014	0.04770
595411.65	4128910.17	0.016	0.015	0.013	0.04332
595452.09	4128910.17	0.014	0.014	0.012	0.03948
595249.89	4128940.83	0.021	0.021	0.018	0.05958
595290.33	4128940.83	0.019	0.019	0.016	0.05347

595330.77	4128940.83	0.017	0.017	0.014	0.04824
595371.21	4128940.83	0.016	0.015	0.013	0.04369
595411.65	4128940.83	0.014	0.014	0.012	0.03969
595452.09	4128940.83	0.013	0.013	0.011	0.03626
595370.31	4128948.01	0.015	0.015	0.013	0.04299
595402.84	4128948.01	0.014	0.014	0.012	0.03979
595435.37	4128948.01	0.013	0.013	0.011	0.03695
595370.31	4128976.76	0.014	0.014	0.012	0.04021
595402.84	4128976.76	0.013	0.013	0.011	0.03733
595435.37	4128976.76	0.012	0.012	0.010	0.03482
595370.31	4129005.51	0.014	0.013	0.011	0.03791
595402.84	4129005.51	0.013	0.012	0.010	0.03536
595435.37	4129005.51	0.012	0.012	0.010	0.03307
595370.31	4129034.26	0.013	0.013	0.011	0.03587
595402.84	4129034.26	0.012	0.012	0.010	0.03359
595435.37	4129034.26	0.011	0.011	0.009	0.03150
595370.31	4129063.01	0.012	0.012	0.010	0.03401
595402.84	4129063.01	0.011	0.011	0.009	0.03190
595435.37	4129063.01	0.011	0.010	0.009	0.03001
595370.31	4129091.76	0.011	0.011	0.010	0.03242
595402.84	4129091.76	0.011	0.011	0.009	0.03035
595435.37	4129091.76	0.010	0.010	0.008	0.02859
595548.86	4129154.91	0.008	0.008	0.006	0.02153
595605.25	4129154.91	0.007	0.007	0.006	0.01983
595661.64	4129154.91	0.007	0.006	0.005	0.01827
595718.03	4129154.91	0.006	0.006	0.005	0.01682
595548.86	4129180.69	0.007	0.007	0.006	0.02071
595605.25	4129180.69	0.007	0.007	0.006	0.01915
595661.64	4129180.69	0.006	0.006	0.005	0.01776
595718.03	4129180.69	0.006	0.006	0.005	0.01645
595548.86	4129206.47	0.007	0.007	0.006	0.01997
595605.25	4129206.47	0.007	0.006	0.005	0.01845
595661.64	4129206.47	0.006	0.006	0.005	0.01719
595718.03	4129206.47	0.006	0.006	0.005	0.01601
595548.86	4129232.25	0.007	0.007	0.006	0.01935
595605.25	4129232.25	0.006	0.006	0.005	0.01780
595661.64	4129232.25	0.006	0.006	0.005	0.01659
595718.03	4129232.25	0.006	0.005	0.005	0.01552
595770.66	4129137.18	0.006	0.005	0.005	0.01570
595794.75	4129137.18	0.005	0.005	0.004	0.01512



595818.84	4129137.18	0.005	0.005	0.004	0.01457
595842.93	4129137.18	0.005	0.005	0.004	0.01404
595867.02	4129137.18	0.005	0.005	0.004	0.01354
595891.11	4129137.18	0.005	0.005	0.004	0.01306
595915.2	4129137.18	0.005	0.004	0.004	0.01260
595939.29	4129137.18	0.004	0.004	0.004	0.01213
595770.66	4129177.59	0.005	0.005	0.005	0.01530
595794.75	4129177.59	0.005	0.005	0.004	0.01477
595818.84	4129177.59	0.005	0.005	0.004	0.01425
595842.93	4129177.59	0.005	0.005	0.004	0.01374
595867.02	4129177.59	0.005	0.005	0.004	0.01325
595891.11	4129177.59	0.005	0.004	0.004	0.01277
595915.2	4129177.59	0.004	0.004	0.004	0.01231
595939.29	4129177.59	0.004	0.004	0.003	0.01186
595770.66	4129218	0.005	0.005	0.004	0.01479
595794.75	4129218	0.005	0.005	0.004	0.01433
595818.84	4129218	0.005	0.005	0.004	0.01386
595842.93	4129218	0.005	0.005	0.004	0.01341
595867.02	4129218	0.005	0.005	0.004	0.01296
595891.11	4129218	0.004	0.004	0.004	0.01251
595915.2	4129218	0.004	0.004	0.004	0.01208
595939.29	4129218	0.004	0.004	0.003	0.01166
595770.66	4129258.41	0.005	0.005	0.004	0.01412
595794.75	4129258.41	0.005	0.005	0.004	0.01373
595818.84	4129258.41	0.005	0.005	0.004	0.01334
595842.93	4129258.41	0.005	0.005	0.004	0.01295
595867.02	4129258.41	0.004	0.004	0.004	0.01257
595891.11	4129258.41	0.004	0.004	0.004	0.01219
595915.2	4129258.41	0.004	0.004	0.003	0.01182
595939.29	4129258.41	0.004	0.004	0.003	0.01144
595770.66	4129298.82	0.005	0.005	0.004	0.01334
595794.75	4129298.82	0.005	0.005	0.004	0.01301
595818.84	4129298.82	0.005	0.004	0.004	0.01268
595842.93	4129298.82	0.004	0.004	0.004	0.01236
595867.02	4129298.82	0.004	0.004	0.004	0.01204
595891.11	4129298.82	0.004	0.004	0.003	0.01173
595915.2	4129298.82	0.004	0.004	0.003	0.01143
595939.29	4129298.82	0.004	0.004	0.003	0.01112
595957.02	4129258.56	0.004	0.004	0.003	0.01117
596003.21	4129258.56	0.004	0.004	0.003	0.01051

595957.02	4129289.71	0.004	0.004	0.003	0.01097
596003.21	4129289.71	0.004	0.004	0.003	0.01038
595957.02	4129320.86	0.004	0.004	0.003	0.01069
596003.21	4129320.86	0.004	0.004	0.003	0.01018
595957.02	4129352.01	0.004	0.004	0.003	0.01033
596003.21	4129352.01	0.004	0.003	0.003	0.00991
595780.89	4129328.94	0.004	0.004	0.004	0.01260
595811.48	4129328.94	0.004	0.004	0.004	0.01221
595842.07	4129328.94	0.004	0.004	0.003	0.01185
595872.66	4129328.94	0.004	0.004	0.003	0.01151
595903.25	4129328.94	0.004	0.004	0.003	0.01118
595933.84	4129328.94	0.004	0.004	0.003	0.01085
595780.89	4129353.44	0.004	0.004	0.004	0.01211
595811.48	4129353.44	0.004	0.004	0.003	0.01173
595842.07	4129353.44	0.004	0.004	0.003	0.01140
595872.66	4129353.44	0.004	0.004	0.003	0.01109
595903.25	4129353.44	0.004	0.004	0.003	0.01080
595933.84	4129353.44	0.004	0.004	0.003	0.01052
595780.89	4129377.94	0.004	0.004	0.003	0.01165
595811.48	4129377.94	0.004	0.004	0.003	0.01126
595842.07	4129377.94	0.004	0.004	0.003	0.01094
595872.66	4129377.94	0.004	0.004	0.003	0.01065
595903.25	4129377.94	0.004	0.004	0.003	0.01039
595933.84	4129377.94	0.004	0.004	0.003	0.01016
595780.89	4129402.44	0.004	0.004	0.003	0.01122
595811.48	4129402.44	0.004	0.004	0.003	0.01081
595842.07	4129402.44	0.004	0.004	0.003	0.01048
595872.66	4129402.44	0.004	0.004	0.003	0.01020
595903.25	4129402.44	0.004	0.003	0.003	0.00997
595933.84	4129402.44	0.004	0.003	0.003	0.00976
595780.89	4129426.94	0.004	0.004	0.003	0.01082
595811.48	4129426.94	0.004	0.004	0.003	0.01039
595842.07	4129426.94	0.004	0.004	0.003	0.01004
595872.66	4129426.94	0.003	0.003	0.003	0.00977
595903.25	4129426.94	0.003	0.003	0.003	0.00955
595933.84	4129426.94	0.003	0.003	0.003	0.00936
595780.89	4129451.44	0.004	0.004	0.003	0.01046
595811.48	4129451.44	0.004	0.003	0.003	0.01000
595842.07	4129451.44	0.003	0.003	0.003	0.00964
595872.66	4129451.44	0.003	0.003	0.003	0.00937

595903.25	4129451.44	0.003	0.003	0.003	0.00915
595933.84	4129451.44	0.003	0.003	0.003	0.00897
595780.89	4129475.94	0.004	0.004	0.003	0.01013
595811.48	4129475.94	0.003	0.003	0.003	0.00966
595842.07	4129475.94	0.003	0.003	0.003	0.00930
595872.66	4129475.94	0.003	0.003	0.003	0.00901
595903.25	4129475.94	0.003	0.003	0.003	0.00878
595933.84	4129475.94	0.003	0.003	0.003	0.00860
595642.77	4129286.53	0.006	0.006	0.005	0.01580
595677.31	4129286.53	0.005	0.005	0.004	0.01510
595711.85	4129286.53	0.005	0.005	0.004	0.01450
595746.39	4129286.53	0.005	0.005	0.004	0.01395
595642.77	4129336.29	0.005	0.005	0.005	0.01511
595677.31	4129336.29	0.005	0.005	0.004	0.01424
595711.85	4129336.29	0.005	0.005	0.004	0.01352
595746.39	4129336.29	0.005	0.005	0.004	0.01294
595642.77	4129386.05	0.005	0.005	0.004	0.01490
595677.31	4129386.05	0.005	0.005	0.004	0.01372
595711.85	4129386.05	0.004	0.005	0.004	0.01279
595746.39	4129386.05	0.004	0.004	0.004	0.01207
595642.77	4129435.81	0.005	0.005	0.005	0.01520
595677.31	4129435.81	0.005	0.005	0.004	0.01351
595711.85	4129435.81	0.004	0.004	0.004	0.01228
595746.39	4129435.81	0.004	0.004	0.003	0.01136
595642.77	4129485.57	0.005	0.006	0.005	0.01570
595677.31	4129485.57	0.005	0.005	0.004	0.01311
595711.85	4129485.57	0.004	0.004	0.003	0.01166
595746.39	4129485.57	0.004	0.004	0.003	0.01070
595788.1	4129524.74	0.003	0.003	0.003	0.00952
595814.56	4129524.74	0.003	0.003	0.003	0.00913
595841.02	4129524.74	0.003	0.003	0.003	0.00880
595867.48	4129524.74	0.003	0.003	0.002	0.00851
595893.94	4129524.74	0.003	0.003	0.002	0.00827
595920.4	4129524.74	0.003	0.003	0.002	0.00807
595946.86	4129524.74	0.003	0.003	0.002	0.00790
595973.32	4129524.74	0.003	0.003	0.002	0.00776
595999.78	4129524.74	0.003	0.003	0.002	0.00765
595788.1	4129556.46	0.003	0.003	0.003	0.00933
595814.56	4129556.46	0.003	0.003	0.003	0.00894
595841.02	4129556.46	0.003	0.003	0.003	0.00859

595867.48	4129556.46	0.003	0.003	0.002	0.00828
595893.94	4129556.46	0.003	0.003	0.002	0.00802
595920.4	4129556.46	0.003	0.003	0.002	0.00779
595946.86	4129556.46	0.003	0.003	0.002	0.00759
595973.32	4129556.46	0.003	0.003	0.002	0.00743
595999.78	4129556.46	0.003	0.003	0.002	0.00730
595788.1	4129588.18	0.003	0.003	0.003	0.00920
595814.56	4129588.18	0.003	0.003	0.003	0.00882
595841.02	4129588.18	0.003	0.003	0.002	0.00846
595867.48	4129588.18	0.003	0.003	0.002	0.00814
595893.94	4129588.18	0.003	0.003	0.002	0.00784
595920.4	4129588.18	0.003	0.003	0.002	0.00759
595946.86	4129588.18	0.003	0.003	0.002	0.00737
595973.32	4129588.18	0.003	0.002	0.002	0.00718
595999.78	4129588.18	0.003	0.002	0.002	0.00702
595788.1	4129619.9	0.003	0.003	0.003	0.00910
595814.56	4129619.9	0.003	0.003	0.003	0.00873
595841.02	4129619.9	0.003	0.003	0.002	0.00838
595867.48	4129619.9	0.003	0.003	0.002	0.00805
595893.94	4129619.9	0.003	0.003	0.002	0.00774
595920.4	4129619.9	0.003	0.003	0.002	0.00746
595946.86	4129619.9	0.003	0.003	0.002	0.00722
595973.32	4129619.9	0.003	0.002	0.002	0.00700
595999.78	4129619.9	0.002	0.002	0.002	0.00681
595788.1	4129651.62	0.003	0.003	0.003	0.00900
595814.56	4129651.62	0.003	0.003	0.003	0.00866
595841.02	4129651.62	0.003	0.003	0.002	0.00832
595867.48	4129651.62	0.003	0.003	0.002	0.00799
595893.94	4129651.62	0.003	0.003	0.002	0.00768
595920.4	4129651.62	0.003	0.003	0.002	0.00739
595946.86	4129651.62	0.003	0.002	0.002	0.00712
595973.32	4129651.62	0.002	0.002	0.002	0.00688
595999.78	4129651.62	0.002	0.002	0.002	0.00668
595788.1	4129683.34	0.003	0.003	0.003	0.00888
595814.56	4129683.34	0.003	0.003	0.003	0.00857
595841.02	4129683.34	0.003	0.003	0.002	0.00826
595867.48	4129683.34	0.003	0.003	0.002	0.00795
595893.94	4129683.34	0.003	0.003	0.002	0.00764
595920.4	4129683.34	0.003	0.003	0.002	0.00735
595946.86	4129683.34	0.003	0.002	0.002	0.00707

595973.32	4129683.34	0.002	0.002	0.002	0.00682
595999.78	4129683.34	0.002	0.002	0.002	0.00659
593920.79	4128960.54	0.026	0.025	0.021	0.07255
593955.22	4128960.54	0.029	0.027	0.023	0.07931
593989.65	4128960.54	0.032	0.030	0.025	0.08694
594024.08	4128960.54	0.035	0.033	0.028	0.09557
594058.51	4128960.54	0.038	0.036	0.031	0.10534
594092.94	4128960.54	0.042	0.040	0.034	0.11643
594127.37	4128960.54	0.047	0.045	0.038	0.12904
594161.8	4128960.54	0.052	0.050	0.042	0.14339
594196.23	4128960.54	0.058	0.055	0.047	0.15971
594230.66	4128960.54	0.065	0.062	0.052	0.17826
594265.09	4128960.54	0.072	0.069	0.058	0.19930
594299.52	4128960.54	0.081	0.077	0.065	0.22307
593920.79	4128979.2	0.027	0.026	0.022	0.07407
593955.22	4128979.2	0.029	0.028	0.024	0.08085
593989.65	4128979.2	0.032	0.031	0.026	0.08845
594024.08	4128979.2	0.035	0.034	0.028	0.09701
594058.51	4128979.2	0.039	0.037	0.031	0.10663
594092.94	4128979.2	0.043	0.041	0.034	0.11750
594127.37	4128979.2	0.047	0.045	0.038	0.12979
594161.8	4128979.2	0.052	0.050	0.042	0.14367
594196.23	4128979.2	0.058	0.055	0.046	0.15929
594230.66	4128979.2	0.064	0.061	0.052	0.17686
594265.09	4128979.2	0.071	0.068	0.057	0.19653
594299.52	4128979.2	0.079	0.075	0.064	0.21842
593920.79	4128997.86	0.027	0.026	0.022	0.07539
593955.22	4128997.86	0.030	0.028	0.024	0.08213
593989.65	4128997.86	0.033	0.031	0.026	0.08966
594024.08	4128997.86	0.036	0.034	0.029	0.09808
594058.51	4128997.86	0.039	0.037	0.031	0.10751
594092.94	4128997.86	0.043	0.041	0.034	0.11810
594127.37	4128997.86	0.047	0.045	0.038	0.12996
594161.8	4128997.86	0.052	0.049	0.042	0.14324
594196.23	4128997.86	0.057	0.055	0.046	0.15806
594230.66	4128997.86	0.063	0.060	0.051	0.17454
594265.09	4128997.86	0.070	0.067	0.056	0.19280
594299.52	4128997.86	0.077	0.073	0.062	0.21276
593920.79	4129016.52	0.028	0.026	0.022	0.07648
593955.22	4129016.52	0.030	0.029	0.024	0.08315

593989.65	4129016.52	0.033	0.031	0.026	0.09055
594024.08	4129016.52	0.036	0.034	0.029	0.09879
594058.51	4129016.52	0.039	0.037	0.032	0.10798
594092.94	4129016.52	0.043	0.041	0.035	0.11822
594127.37	4129016.52	0.047	0.045	0.038	0.12959
594161.8	4129016.52	0.052	0.049	0.042	0.14221
594196.23	4129016.52	0.057	0.054	0.046	0.15616
594230.66	4129016.52	0.062	0.059	0.050	0.17149
594265.09	4129016.52	0.068	0.065	0.055	0.18825
594299.52	4129016.52	0.075	0.071	0.060	0.20625
593920.79	4129035.18	0.028	0.027	0.023	0.07735
593955.22	4129035.18	0.030	0.029	0.024	0.08389
593989.65	4129035.18	0.033	0.031	0.027	0.09113
594024.08	4129035.18	0.036	0.034	0.029	0.09916
594058.51	4129035.18	0.039	0.037	0.032	0.10805
594092.94	4129035.18	0.043	0.041	0.034	0.11787
594127.37	4129035.18	0.047	0.044	0.038	0.12871
594161.8	4129035.18	0.051	0.049	0.041	0.14063
594196.23	4129035.18	0.056	0.053	0.045	0.15366
594230.66	4129035.18	0.061	0.058	0.049	0.16781
594265.09	4129035.18	0.066	0.063	0.053	0.18301
594299.52	4129035.18	0.072	0.069	0.058	0.19910
593920.79	4129053.84	0.028	0.027	0.023	0.07797
593955.22	4129053.84	0.031	0.029	0.025	0.08438
593989.65	4129053.84	0.033	0.032	0.027	0.09141
594024.08	4129053.84	0.036	0.034	0.029	0.09918
594058.51	4129053.84	0.039	0.037	0.031	0.10773
594092.94	4129053.84	0.042	0.040	0.034	0.11709
594127.37	4129053.84	0.046	0.044	0.037	0.12735
594161.8	4129053.84	0.050	0.048	0.040	0.13852
594196.23	4129053.84	0.055	0.052	0.044	0.15061
594230.66	4129053.84	0.059	0.056	0.048	0.16360
594265.09	4129053.84	0.064	0.061	0.052	0.17731
594299.52	4129053.84	0.069	0.066	0.056	0.19154
593920.79	4129072.5	0.028	0.027	0.023	0.07837
593955.22	4129072.5	0.031	0.029	0.025	0.08459
593989.65	4129072.5	0.033	0.032	0.027	0.09141
594024.08	4129072.5	0.036	0.034	0.029	0.09888
594058.51	4129072.5	0.039	0.037	0.031	0.10705
594092.94	4129072.5	0.042	0.040	0.034	0.11593

594127.37	4129072.5	0.046	0.043	0.037	0.12558
594161.8	4129072.5	0.049	0.047	0.040	0.13600
594196.23	4129072.5	0.053	0.051	0.043	0.14713
594230.66	4129072.5	0.058	0.055	0.046	0.15894
594265.09	4129072.5	0.062	0.059	0.050	0.17119
594299.52	4129072.5	0.067	0.063	0.054	0.18367
593920.79	4129091.16	0.028	0.027	0.023	0.07854
593955.22	4129091.16	0.031	0.029	0.025	0.08456
593989.65	4129091.16	0.033	0.031	0.027	0.09113
594024.08	4129091.16	0.036	0.034	0.029	0.09828
594058.51	4129091.16	0.038	0.037	0.031	0.10604
594092.94	4129091.16	0.042	0.040	0.033	0.11444
594127.37	4129091.16	0.045	0.043	0.036	0.12348
594161.8	4129091.16	0.048	0.046	0.039	0.13313
594196.23	4129091.16	0.052	0.049	0.042	0.14332
594230.66	4129091.16	0.056	0.053	0.045	0.15395
594265.09	4129091.16	0.060	0.057	0.048	0.16481
594299.52	4129091.16	0.064	0.061	0.051	0.17564
593920.79	4129109.82	0.028	0.027	0.023	0.07850
593955.22	4129109.82	0.031	0.029	0.025	0.08430
593989.65	4129109.82	0.033	0.031	0.026	0.09061
594024.08	4129109.82	0.035	0.034	0.028	0.09741
594058.51	4129109.82	0.038	0.036	0.031	0.10477
594092.94	4129109.82	0.041	0.039	0.033	0.11266
594127.37	4129109.82	0.044	0.042	0.035	0.12107
594161.8	4129109.82	0.047	0.045	0.038	0.12995
594196.23	4129109.82	0.051	0.048	0.041	0.13922
594230.66	4129109.82	0.054	0.051	0.043	0.14873
594265.09	4129109.82	0.057	0.055	0.046	0.15827
594299.52	4129109.82	0.061	0.058	0.049	0.16756
593920.79	4129128.48	0.028	0.027	0.023	0.07825
593955.22	4129128.48	0.030	0.029	0.024	0.08383
593989.65	4129128.48	0.033	0.031	0.026	0.08985
594024.08	4129128.48	0.035	0.033	0.028	0.09631
594058.51	4129128.48	0.037	0.036	0.030	0.10325
594092.94	4129128.48	0.040	0.038	0.032	0.11063
594127.37	4129128.48	0.043	0.041	0.035	0.11841
594161.8	4129128.48	0.046	0.044	0.037	0.12654
594196.23	4129128.48	0.049	0.047	0.039	0.13491
594230.66	4129128.48	0.052	0.050	0.042	0.14335

594265.09	4129128.48	0.055	0.052	0.044	0.15166
594299.52	4129128.48	0.058	0.055	0.047	0.15955
594246.14	4128630.32	0.032	0.031	0.026	0.08863
594272.5	4128630.32	0.035	0.034	0.029	0.09768
594298.86	4128630.32	0.039	0.037	0.032	0.10828
594325.22	4128630.32	0.044	0.042	0.035	0.12082
594351.58	4128630.32	0.049	0.047	0.040	0.13581
594377.94	4128630.32	0.056	0.053	0.045	0.15394
594404.3	4128630.32	0.064	0.061	0.051	0.17618
594430.66	4128630.32	0.074	0.070	0.060	0.20389
594246.14	4128664.43	0.037	0.035	0.030	0.10199
594272.5	4128664.43	0.041	0.039	0.033	0.11319
594298.86	4128664.43	0.046	0.044	0.037	0.12643
594325.22	4128664.43	0.052	0.049	0.042	0.14220
594351.58	4128664.43	0.058	0.056	0.047	0.16121
594377.94	4128664.43	0.067	0.064	0.054	0.18440
594404.3	4128664.43	0.077	0.074	0.062	0.21305
594430.66	4128664.43	0.090	0.086	0.073	0.24940
594246.14	4128698.54	0.042	0.040	0.034	0.11664
594272.5	4128698.54	0.047	0.045	0.038	0.13009
594298.86	4128698.54	0.053	0.050	0.043	0.14604
594325.22	4128698.54	0.060	0.057	0.048	0.16521
594351.58	4128698.54	0.068	0.065	0.055	0.18865
594377.94	4128698.54	0.079	0.075	0.063	0.21702
594404.3	4128698.54	0.091	0.087	0.074	0.25213
594430.66	4128698.54	0.108	0.102	0.087	0.29658
594246.14	4128732.65	0.048	0.045	0.038	0.13162
594272.5	4128732.65	0.053	0.051	0.043	0.14741
594298.86	4128732.65	0.060	0.057	0.048	0.16605
594325.22	4128732.65	0.068	0.065	0.055	0.18844
594351.58	4128732.65	0.078	0.074	0.063	0.21560
594377.94	4128732.65	0.090	0.086	0.073	0.24887
594404.3	4128732.65	0.105	0.100	0.085	0.28958
594430.66	4128732.65	0.124	0.118	0.099	0.34054
594246.14	4128766.76	0.053	0.051	0.043	0.14656
594272.5	4128766.76	0.060	0.057	0.048	0.16437
594298.86	4128766.76	0.067	0.064	0.054	0.18543
594325.22	4128766.76	0.076	0.073	0.061	0.21052
594351.58	4128766.76	0.087	0.083	0.070	0.24083
594377.94	4128766.76	0.101	0.096	0.081	0.27736



594404.3	4128766.76	0.117	0.111	0.094	0.32197
594430.66	4128766.76	0.137	0.130	0.110	0.37702
594246.14	4128800.87	0.058	0.055	0.047	0.16031
594272.5	4128800.87	0.065	0.062	0.052	0.17963
594298.86	4128800.87	0.073	0.070	0.059	0.20242
594325.22	4128800.87	0.083	0.079	0.067	0.22934
594351.58	4128800.87	0.095	0.090	0.076	0.26136
594377.94	4128800.87	0.109	0.104	0.087	0.29974
594404.3	4128800.87	0.126	0.120	0.101	0.34607
594430.66	4128800.87	0.146	0.139	0.117	0.40251
594246.14	4128834.98	0.062	0.059	0.050	0.17223
594272.5	4128834.98	0.070	0.066	0.056	0.19243
594298.86	4128834.98	0.078	0.075	0.063	0.21596
594325.22	4128834.98	0.088	0.084	0.071	0.24349
594351.58	4128834.98	0.100	0.095	0.081	0.27587
594377.94	4128834.98	0.114	0.108	0.092	0.31413
594404.3	4128834.98	0.130	0.124	0.105	0.35955
594430.66	4128834.98	0.150	0.143	0.121	0.41381
594246.14	4128869.09	0.066	0.063	0.053	0.18128
594272.5	4128869.09	0.073	0.070	0.059	0.20155
594298.86	4128869.09	0.082	0.078	0.066	0.22488
594325.22	4128869.09	0.091	0.087	0.073	0.25180
594351.58	4128869.09	0.103	0.098	0.083	0.28292
594377.94	4128869.09	0.116	0.110	0.093	0.31898
594404.3	4128869.09	0.131	0.125	0.105	0.36084
594430.66	4128869.09	0.149	0.141	0.120	0.40949
594246.14	4128903.2	0.068	0.065	0.055	0.18679
594272.5	4128903.2	0.075	0.071	0.060	0.20634
594298.86	4128903.2	0.083	0.079	0.067	0.22847
594325.22	4128903.2	0.092	0.088	0.074	0.25355
594351.58	4128903.2	0.102	0.097	0.082	0.28196
594377.94	4128903.2	0.114	0.108	0.092	0.31408
594404.3	4128903.2	0.127	0.121	0.102	0.35032
594430.66	4128903.2	0.142	0.135	0.114	0.39101
594246.14	4128937.31	0.068	0.065	0.055	0.18843
594272.5	4128937.31	0.075	0.071	0.060	0.20652
594298.86	4128937.31	0.082	0.078	0.066	0.22663
594325.22	4128937.31	0.090	0.086	0.073	0.24898
594351.58	4128937.31	0.099	0.094	0.080	0.27364
594377.94	4128937.31	0.109	0.104	0.088	0.30075

594404.3	4128937.31	0.120	0.114	0.096	0.33033
594430.66	4128937.31	0.131	0.125	0.106	0.36223
594242.73	4128487.55	0.017	0.017	0.014	0.04827
594265.81	4128487.55	0.018	0.018	0.015	0.05091
594288.89	4128487.55	0.019	0.019	0.016	0.05373
594311.97	4128487.55	0.021	0.020	0.017	0.05683
594335.05	4128487.55	0.022	0.021	0.018	0.06023
594358.13	4128487.55	0.023	0.022	0.019	0.06397
594381.21	4128487.55	0.025	0.024	0.020	0.06797
594404.29	4128487.55	0.026	0.025	0.021	0.07234
594427.37	4128487.55	0.028	0.027	0.023	0.07712
594450.45	4128487.55	0.030	0.028	0.024	0.08236
594473.53	4128487.55	0.032	0.031	0.026	0.08837
594242.73	4128510.84	0.019	0.018	0.016	0.05306
594265.81	4128510.84	0.020	0.019	0.016	0.05624
594288.89	4128510.84	0.022	0.021	0.017	0.05973
594311.97	4128510.84	0.023	0.022	0.019	0.06357
594335.05	4128510.84	0.025	0.023	0.020	0.06785
594358.13	4128510.84	0.026	0.025	0.021	0.07257
594381.21	4128510.84	0.028	0.027	0.023	0.07775
594404.29	4128510.84	0.030	0.029	0.024	0.08353
594427.37	4128510.84	0.033	0.031	0.026	0.08998
594450.45	4128510.84	0.035	0.034	0.028	0.09734
594473.53	4128510.84	0.038	0.037	0.031	0.10581
594242.73	4128534.13	0.021	0.020	0.017	0.05840
594265.81	4128534.13	0.023	0.022	0.018	0.06226
594288.89	4128534.13	0.024	0.023	0.019	0.06652
594311.97	4128534.13	0.026	0.025	0.021	0.07126
594335.05	4128534.13	0.028	0.026	0.022	0.07654
594358.13	4128534.13	0.030	0.029	0.024	0.08246
594381.21	4128534.13	0.032	0.031	0.026	0.08912
594404.29	4128534.13	0.035	0.033	0.028	0.09667
594427.37	4128534.13	0.038	0.036	0.031	0.10540
594450.45	4128534.13	0.042	0.040	0.034	0.11561
594473.53	4128534.13	0.046	0.044	0.037	0.12731
594242.73	4128557.42	0.023	0.022	0.019	0.06435
594265.81	4128557.42	0.025	0.024	0.020	0.06895
594288.89	4128557.42	0.027	0.026	0.022	0.07409
594311.97	4128557.42	0.029	0.028	0.023	0.07987
594335.05	4128557.42	0.031	0.030	0.025	0.08638

594358.13	4128557.42	0.034	0.032	0.027	0.09379
594381.21	4128557.42	0.037	0.035	0.030	0.10226
594404.29	4128557.42	0.041	0.039	0.033	0.11204
594427.37	4128557.42	0.045	0.043	0.036	0.12354
594450.45	4128557.42	0.050	0.047	0.040	0.13729
594473.53	4128557.42	0.056	0.053	0.045	0.15348
594242.73	4128580.71	0.026	0.025	0.021	0.07097
594265.81	4128580.71	0.028	0.026	0.022	0.07642
594288.89	4128580.71	0.030	0.029	0.024	0.08258
594311.97	4128580.71	0.032	0.031	0.026	0.08956
594335.05	4128580.71	0.035	0.034	0.028	0.09753
594358.13	4128580.71	0.039	0.037	0.031	0.10670
594381.21	4128580.71	0.043	0.041	0.034	0.11735
594404.29	4128580.71	0.047	0.045	0.038	0.12992
594427.37	4128580.71	0.052	0.050	0.042	0.14486
594450.45	4128580.71	0.059	0.056	0.048	0.16284
594473.53	4128580.71	0.067	0.064	0.054	0.18507
594276.7	4128388.72	0.012	0.012	0.010	0.03427
594305.04	4128388.72	0.013	0.012	0.010	0.03567
594333.38	4128388.72	0.013	0.013	0.011	0.03709
594361.72	4128388.72	0.014	0.013	0.011	0.03855
594390.06	4128388.72	0.014	0.014	0.012	0.04005
594418.4	4128388.72	0.015	0.014	0.012	0.04154
594276.7	4128417	0.014	0.013	0.011	0.03862
594305.04	4128417	0.015	0.014	0.012	0.04048
594333.38	4128417	0.015	0.015	0.012	0.04242
594361.72	4128417	0.016	0.015	0.013	0.04448
594390.06	4128417	0.017	0.016	0.014	0.04663
594418.4	4128417	0.018	0.017	0.014	0.04885
594276.7	4128445.28	0.016	0.015	0.013	0.04351
594305.04	4128445.28	0.017	0.016	0.013	0.04599
594333.38	4128445.28	0.018	0.017	0.014	0.04865
594361.72	4128445.28	0.019	0.018	0.015	0.05152
594390.06	4128445.28	0.020	0.019	0.016	0.05456
594418.4	4128445.28	0.021	0.020	0.017	0.05781
594276.7	4128473.56	0.018	0.017	0.014	0.04913
594305.04	4128473.56	0.019	0.018	0.015	0.05234
594333.38	4128473.56	0.020	0.019	0.016	0.05592
594361.72	4128473.56	0.022	0.021	0.018	0.05987
594390.06	4128473.56	0.023	0.022	0.019	0.06415

594418.4	4128473.56	0.025	0.024	0.020	0.06884
594019.56	4128351.99	0.008	0.007	0.006	0.02155
594057.87	4128351.99	0.008	0.008	0.007	0.02263
594096.18	4128351.99	0.009	0.008	0.007	0.02373
594134.49	4128351.99	0.009	0.009	0.007	0.02487
594172.8	4128351.99	0.009	0.009	0.008	0.02603
594211.11	4128351.99	0.010	0.009	0.008	0.02722
594019.56	4128372.85	0.008	0.008	0.007	0.02268
594057.87	4128372.85	0.009	0.008	0.007	0.02391
594096.18	4128372.85	0.009	0.009	0.007	0.02519
594134.49	4128372.85	0.010	0.009	0.008	0.02655
594172.8	4128372.85	0.010	0.010	0.008	0.02794
594211.11	4128372.85	0.011	0.010	0.009	0.02939
594019.56	4128393.71	0.009	0.008	0.007	0.02386
594057.87	4128393.71	0.009	0.009	0.007	0.02526
594096.18	4128393.71	0.010	0.009	0.008	0.02675
594134.49	4128393.71	0.010	0.010	0.008	0.02833
594172.8	4128393.71	0.011	0.010	0.009	0.02998
594211.11	4128393.71	0.011	0.011	0.009	0.03174
594019.56	4128414.57	0.009	0.009	0.007	0.02511
594057.87	4128414.57	0.010	0.009	0.008	0.02669
594096.18	4128414.57	0.010	0.010	0.008	0.02839
594134.49	4128414.57	0.011	0.010	0.009	0.03022
594172.8	4128414.57	0.012	0.011	0.009	0.03216
594211.11	4128414.57	0.012	0.012	0.010	0.03428
594019.56	4128435.43	0.010	0.009	0.008	0.02646
594057.87	4128435.43	0.010	0.010	0.008	0.02822
594096.18	4128435.43	0.011	0.010	0.009	0.03014
594134.49	4128435.43	0.012	0.011	0.009	0.03225
594172.8	4128435.43	0.012	0.012	0.010	0.03452
594211.11	4128435.43	0.013	0.013	0.011	0.03703
594019.56	4128456.29	0.010	0.010	0.008	0.02791
594057.87	4128456.29	0.011	0.010	0.009	0.02988
594096.18	4128456.29	0.012	0.011	0.009	0.03204
594134.49	4128456.29	0.012	0.012	0.010	0.03443
594172.8	4128456.29	0.013	0.013	0.011	0.03707
594211.11	4128456.29	0.014	0.014	0.012	0.04000
594019.56	4128477.15	0.011	0.010	0.009	0.02949
594057.87	4128477.15	0.011	0.011	0.009	0.03169
594096.18	4128477.15	0.012	0.012	0.010	0.03411

594134.49	4128477.15	0.013	0.013	0.011	0.03681
594172.8	4128477.15	0.014	0.014	0.012	0.03986
594211.11	4128477.15	0.016	0.015	0.013	0.04325
594019.56	4128498.01	0.011	0.011	0.009	0.03121
594057.87	4128498.01	0.012	0.012	0.010	0.03365
594096.18	4128498.01	0.013	0.013	0.011	0.03636
594134.49	4128498.01	0.014	0.014	0.012	0.03940
594172.8	4128498.01	0.016	0.015	0.013	0.04290
594211.11	4128498.01	0.017	0.016	0.014	0.04678
593932.1	4128545.28	0.011	0.010	0.009	0.03001
593958.16	4128545.28	0.011	0.011	0.009	0.03155
593984.22	4128545.28	0.012	0.011	0.010	0.03320
594010.28	4128545.28	0.013	0.012	0.010	0.03500
594036.34	4128545.28	0.013	0.013	0.011	0.03695
594062.4	4128545.28	0.014	0.014	0.011	0.03909
594088.46	4128545.28	0.015	0.014	0.012	0.04145
594114.52	4128545.28	0.016	0.015	0.013	0.04404
594140.58	4128545.28	0.017	0.016	0.014	0.04687
594166.64	4128545.28	0.018	0.017	0.015	0.05000
594192.7	4128545.28	0.019	0.018	0.016	0.05341
593932.1	4128616.57	0.013	0.012	0.011	0.03602
593958.16	4128616.57	0.014	0.013	0.011	0.03813
593984.22	4128616.57	0.015	0.014	0.012	0.04042
594010.28	4128616.57	0.016	0.015	0.013	0.04292
594036.34	4128616.57	0.017	0.016	0.013	0.04568
594062.4	4128616.57	0.018	0.017	0.014	0.04873
594088.46	4128616.57	0.019	0.018	0.015	0.05211
594114.52	4128616.57	0.020	0.019	0.016	0.05589
594140.58	4128616.57	0.022	0.021	0.018	0.06012
594166.64	4128616.57	0.023	0.022	0.019	0.06478
594192.7	4128616.57	0.025	0.024	0.020	0.07015
593932.1	4128687.86	0.016	0.015	0.013	0.04296
593958.16	4128687.86	0.017	0.016	0.013	0.04578
593984.22	4128687.86	0.018	0.017	0.014	0.04886
594010.28	4128687.86	0.019	0.018	0.015	0.05231
594036.34	4128687.86	0.020	0.019	0.016	0.05613
594062.4	4128687.86	0.022	0.021	0.018	0.06038
594088.46	4128687.86	0.024	0.023	0.019	0.06515
594114.52	4128687.86	0.026	0.024	0.021	0.07054
594140.58	4128687.86	0.028	0.026	0.022	0.07656

594166.64	4128687.86	0.030	0.029	0.024	0.08351
594192.7	4128687.86	0.033	0.032	0.027	0.09148
593920.36	4128705.8	0.016	0.015	0.013	0.04360
593960.05	4128705.8	0.017	0.017	0.014	0.04810
593999.74	4128705.8	0.019	0.018	0.016	0.05338
594039.43	4128705.8	0.022	0.021	0.017	0.05951
594079.12	4128705.8	0.024	0.023	0.020	0.06681
594118.81	4128705.8	0.027	0.026	0.022	0.07559
594158.5	4128705.8	0.031	0.030	0.025	0.08627
594198.19	4128705.8	0.036	0.034	0.029	0.09944
593920.36	4128732.44	0.017	0.016	0.014	0.04641
593960.05	4128732.44	0.019	0.018	0.015	0.05136
593999.74	4128732.44	0.021	0.020	0.017	0.05718
594039.43	4128732.44	0.023	0.022	0.019	0.06398
594079.12	4128732.44	0.026	0.025	0.021	0.07209
594118.81	4128732.44	0.030	0.028	0.024	0.08196
594158.5	4128732.44	0.034	0.032	0.027	0.09383
594198.19	4128732.44	0.039	0.038	0.032	0.10859
593920.36	4128759.08	0.018	0.017	0.014	0.04941
593960.05	4128759.08	0.020	0.019	0.016	0.05483
593999.74	4128759.08	0.022	0.021	0.018	0.06115
594039.43	4128759.08	0.025	0.024	0.020	0.06868
594079.12	4128759.08	0.028	0.027	0.023	0.07762
594118.81	4128759.08	0.032	0.031	0.026	0.08847
594158.5	4128759.08	0.037	0.035	0.030	0.10161
594198.19	4128759.08	0.043	0.041	0.034	0.11792
593920.36	4128785.72	0.019	0.018	0.015	0.05249
593960.05	4128785.72	0.021	0.020	0.017	0.05838
593999.74	4128785.72	0.024	0.023	0.019	0.06531
594039.43	4128785.72	0.027	0.025	0.021	0.07350
594079.12	4128785.72	0.030	0.029	0.024	0.08326
594118.81	4128785.72	0.034	0.033	0.028	0.09503
594158.5	4128785.72	0.040	0.038	0.032	0.10938
594198.19	4128785.72	0.046	0.044	0.037	0.12701
593920.36	4128812.36	0.020	0.019	0.016	0.05575
593960.05	4128812.36	0.023	0.021	0.018	0.06211
593999.74	4128812.36	0.025	0.024	0.020	0.06953
594039.43	4128812.36	0.028	0.027	0.023	0.07832
594079.12	4128812.36	0.032	0.031	0.026	0.08880
594118.81	4128812.36	0.037	0.035	0.030	0.10143

594158.5	4128812.36	0.042	0.040	0.034	0.11678
594198.19	4128812.36	0.049	0.047	0.040	0.13564
593920.36	4128839	0.021	0.020	0.017	0.05906
593960.05	4128839	0.024	0.023	0.019	0.06581
593999.74	4128839	0.027	0.025	0.022	0.07371
594039.43	4128839	0.030	0.029	0.024	0.08305
594079.12	4128839	0.034	0.033	0.027	0.09417
594118.81	4128839	0.039	0.037	0.031	0.10752
594158.5	4128839	0.045	0.043	0.036	0.12367
594198.19	4128839	0.052	0.050	0.042	0.14340
593920.36	4128865.64	0.023	0.022	0.018	0.06232
593960.05	4128865.64	0.025	0.024	0.020	0.06943
593999.74	4128865.64	0.028	0.027	0.023	0.07776
594039.43	4128865.64	0.032	0.030	0.026	0.08757
594079.12	4128865.64	0.036	0.034	0.029	0.09920
594118.81	4128865.64	0.041	0.039	0.033	0.11309
594158.5	4128865.64	0.047	0.045	0.038	0.12979
594198.19	4128865.64	0.054	0.052	0.044	0.15002
593920.36	4128892.28	0.024	0.023	0.019	0.06546
593960.05	4128892.28	0.026	0.025	0.021	0.07289
593999.74	4128892.28	0.030	0.028	0.024	0.08156
594039.43	4128892.28	0.033	0.032	0.027	0.09173
594079.12	4128892.28	0.038	0.036	0.030	0.10372
594118.81	4128892.28	0.043	0.041	0.034	0.11793
594158.5	4128892.28	0.049	0.047	0.039	0.13488
594198.19	4128892.28	0.056	0.054	0.045	0.15521
593920.36	4128918.92	0.025	0.024	0.020	0.06841
593960.05	4128918.92	0.028	0.026	0.022	0.07608
593999.74	4128918.92	0.031	0.029	0.025	0.08499
594039.43	4128918.92	0.035	0.033	0.028	0.09537
594079.12	4128918.92	0.039	0.037	0.031	0.10752
594118.81	4128918.92	0.044	0.042	0.036	0.12182
594158.5	4128918.92	0.050	0.048	0.040	0.13870
594198.19	4128918.92	0.058	0.055	0.046	0.15871
593920.36	4128945.56	0.026	0.025	0.021	0.07110
593960.05	4128945.56	0.029	0.027	0.023	0.07892
593999.74	4128945.56	0.032	0.030	0.026	0.08795
594039.43	4128945.56	0.036	0.034	0.029	0.09839
594079.12	4128945.56	0.040	0.038	0.032	0.11053
594118.81	4128945.56	0.045	0.043	0.036	0.12466

594158.5	4128945.56	0.051	0.049	0.041	0.14117
594198.19	4128945.56	0.058	0.055	0.047	0.16048
595128.75	4128512.05	0.258	0.245	0.207	0.71047
595157.74	4128512.05	0.227	0.216	0.182	0.62481
595128.75	4128529.32	0.263	0.250	0.212	0.72480
595157.74	4128529.32	0.229	0.218	0.184	0.63173
595128.75	4128546.59	0.265	0.252	0.213	0.72954
595157.74	4128546.59	0.229	0.218	0.184	0.63115
595362.46	4128329.27	0.091	0.087	0.073	0.25145
595397.07	4128329.27	0.084	0.080	0.068	0.23199
595431.68	4128329.27	0.078	0.074	0.062	0.21364
595466.29	4128329.27	0.071	0.068	0.057	0.19648
595362.46	4128386.58	0.098	0.093	0.079	0.27072
595397.07	4128386.58	0.089	0.085	0.072	0.24516
595431.68	4128386.58	0.080	0.077	0.065	0.22187
595466.29	4128386.58	0.073	0.069	0.059	0.20075
595362.46	4128443.89	0.100	0.095	0.081	0.27653
595397.07	4128443.89	0.089	0.085	0.072	0.24571
595431.68	4128443.89	0.079	0.075	0.064	0.21856
595466.29	4128443.89	0.071	0.067	0.057	0.19468
595362.46	4128501.2	0.096	0.091	0.077	0.26435
595397.07	4128501.2	0.084	0.080	0.067	0.23092
595431.68	4128501.2	0.073	0.070	0.059	0.20239
595466.29	4128501.2	0.065	0.061	0.052	0.17802
594785.72	4129528.1	0.014	0.013	0.011	0.03742
594896.78	4129528.1	0.011	0.010	0.009	0.02935
595007.84	4129528.1	0.007	0.007	0.006	0.02069
595118.9	4129528.1	0.007	0.006	0.005	0.01813
595229.96	4129528.1	0.006	0.006	0.005	0.01753
594785.72	4129568.18	0.012	0.012	0.010	0.03440
594896.78	4129568.18	0.010	0.009	0.008	0.02737
595007.84	4129568.18	0.007	0.007	0.006	0.01927
595118.9	4129568.18	0.006	0.006	0.005	0.01665
595229.96	4129568.18	0.006	0.006	0.005	0.01620
594785.72	4129608.26	0.011	0.011	0.009	0.03175
594896.78	4129608.26	0.009	0.009	0.007	0.02562
595007.84	4129608.26	0.007	0.006	0.005	0.01804
595118.9	4129608.26	0.006	0.005	0.005	0.01534
595229.96	4129608.26	0.005	0.005	0.004	0.01497
594785.72	4129648.34	0.011	0.010	0.009	0.02942



594896.78	4129648.34	0.009	0.008	0.007	0.02405
595007.84	4129648.34	0.006	0.006	0.005	0.01696
595118.9	4129648.34	0.005	0.005	0.004	0.01420
595229.96	4129648.34	0.005	0.005	0.004	0.01386
594785.72	4129688.42	0.010	0.009	0.008	0.02734
594896.78	4129688.42	0.008	0.008	0.007	0.02264
595007.84	4129688.42	0.006	0.006	0.005	0.01600
595118.9	4129688.42	0.005	0.005	0.004	0.01319
595229.96	4129688.42	0.005	0.004	0.004	0.01286
594785.72	4129728.5	0.009	0.009	0.007	0.02549
594896.78	4129728.5	0.008	0.007	0.006	0.02136
595007.84	4129728.5	0.005	0.005	0.004	0.01516
595118.9	4129728.5	0.004	0.004	0.004	0.01231
595229.96	4129728.5	0.004	0.004	0.004	0.01195
594785.72	4129768.58	0.009	0.008	0.007	0.02384
594896.78	4129768.58	0.007	0.007	0.006	0.02020
595007.84	4129768.58	0.005	0.005	0.004	0.01440
595118.9	4129768.58	0.004	0.004	0.003	0.01152
595229.96	4129768.58	0.004	0.004	0.003	0.01111
594785.72	4129808.66	0.008	0.008	0.007	0.02236
594896.78	4129808.66	0.007	0.007	0.006	0.01914
595007.84	4129808.66	0.005	0.005	0.004	0.01373
595118.9	4129808.66	0.004	0.004	0.003	0.01084
595229.96	4129808.66	0.004	0.004	0.003	0.01036
593938.13	4129525.18	0.019	0.018	0.015	0.05215
594005.94	4129525.18	0.019	0.019	0.016	0.05359
594073.75	4129525.18	0.020	0.019	0.016	0.05429
594141.56	4129525.18	0.020	0.019	0.016	0.05424
594209.37	4129525.18	0.019	0.018	0.016	0.05353
594277.18	4129525.18	0.019	0.018	0.015	0.05244
594344.99	4129525.18	0.019	0.018	0.015	0.05119
594412.8	4129525.18	0.018	0.017	0.015	0.04968
594480.61	4129525.18	0.017	0.016	0.014	0.04748
594548.42	4129525.18	0.016	0.015	0.013	0.04434
594616.23	4129525.18	0.015	0.014	0.012	0.04110
593938.13	4129583.05	0.017	0.016	0.014	0.04741
594005.94	4129583.05	0.017	0.017	0.014	0.04809
594073.75	4129583.05	0.017	0.017	0.014	0.04817
594141.56	4129583.05	0.017	0.016	0.014	0.04767
594209.37	4129583.05	0.017	0.016	0.014	0.04680

594277.18	4129583.05	0.017	0.016	0.013	0.04577
594344.99	4129583.05	0.016	0.015	0.013	0.04470
594412.8	4129583.05	0.016	0.015	0.013	0.04336
594480.61	4129583.05	0.015	0.014	0.012	0.04131
594548.42	4129583.05	0.014	0.013	0.011	0.03851
594616.23	4129583.05	0.013	0.012	0.010	0.03579
593938.13	4129640.92	0.016	0.015	0.013	0.04296
594005.94	4129640.92	0.016	0.015	0.013	0.04311
594073.75	4129640.92	0.016	0.015	0.012	0.04279
594141.56	4129640.92	0.015	0.015	0.012	0.04209
594209.37	4129640.92	0.015	0.014	0.012	0.04122
594277.18	4129640.92	0.015	0.014	0.012	0.04034
594344.99	4129640.92	0.014	0.014	0.012	0.03944
594412.8	4129640.92	0.014	0.013	0.011	0.03819
594480.61	4129640.92	0.013	0.013	0.011	0.03626
594548.42	4129640.92	0.012	0.012	0.010	0.03374
594616.23	4129640.92	0.011	0.011	0.009	0.03147
593938.13	4129698.79	0.014	0.013	0.011	0.03887
594005.94	4129698.79	0.014	0.013	0.011	0.03866
594073.75	4129698.79	0.014	0.013	0.011	0.03812
594141.56	4129698.79	0.014	0.013	0.011	0.03737
594209.37	4129698.79	0.013	0.013	0.011	0.03660
594277.18	4129698.79	0.013	0.012	0.010	0.03587
594344.99	4129698.79	0.013	0.012	0.010	0.03508
594412.8	4129698.79	0.012	0.012	0.010	0.03389
594480.61	4129698.79	0.012	0.011	0.009	0.03207
594548.42	4129698.79	0.011	0.010	0.009	0.02981
594616.23	4129698.79	0.010	0.010	0.008	0.02790
593938.13	4129756.66	0.013	0.012	0.010	0.03515
594005.94	4129756.66	0.013	0.012	0.010	0.03475
594073.75	4129756.66	0.012	0.012	0.010	0.03410
594141.56	4129756.66	0.012	0.012	0.010	0.03340
594209.37	4129756.66	0.012	0.011	0.010	0.03276
594277.18	4129756.66	0.012	0.011	0.009	0.03216
594344.99	4129756.66	0.011	0.011	0.009	0.03143
594412.8	4129756.66	0.011	0.010	0.009	0.03028
594480.61	4129756.66	0.010	0.010	0.008	0.02855
594548.42	4129756.66	0.010	0.009	0.008	0.02652
594616.23	4129756.66	0.009	0.009	0.007	0.02493
593938.13	4129814.53	0.012	0.011	0.009	0.03182

594005.94	4129814.53	0.011	0.011	0.009	0.03131
594073.75	4129814.53	0.011	0.011	0.009	0.03068
594141.56	4129814.53	0.011	0.010	0.009	0.03006
594209.37	4129814.53	0.011	0.010	0.009	0.02953
594277.18	4129814.53	0.011	0.010	0.008	0.02902
594344.99	4129814.53	0.010	0.010	0.008	0.02833
594412.8	4129814.53	0.010	0.009	0.008	0.02720
594480.61	4129814.53	0.009	0.009	0.007	0.02556
594548.42	4129814.53	0.009	0.008	0.007	0.02375
594616.23	4129814.53	0.008	0.008	0.007	0.02242
593667	4128083.42	0.003	0.003	0.003	0.00895
593722.02	4128083.42	0.003	0.003	0.003	0.00914
593777.04	4128083.42	0.003	0.003	0.003	0.00931
593832.06	4128083.42	0.003	0.003	0.003	0.00949
593667	4128157.74	0.004	0.004	0.003	0.01033
593722.02	4128157.74	0.004	0.004	0.003	0.01072
593777.04	4128157.74	0.004	0.004	0.003	0.01110
593832.06	4128157.74	0.004	0.004	0.003	0.01147
593667	4128232.06	0.004	0.004	0.003	0.01161
593722.02	4128232.06	0.004	0.004	0.004	0.01224
593777.04	4128232.06	0.005	0.004	0.004	0.01289
593832.06	4128232.06	0.005	0.005	0.004	0.01355
593667	4128306.38	0.005	0.004	0.004	0.01286
593722.02	4128306.38	0.005	0.005	0.004	0.01370
593777.04	4128306.38	0.005	0.005	0.004	0.01461
593832.06	4128306.38	0.006	0.005	0.005	0.01558
593667	4128380.7	0.005	0.005	0.004	0.01435
593722.02	4128380.7	0.006	0.005	0.004	0.01537
593777.04	4128380.7	0.006	0.006	0.005	0.01651
593832.06	4128380.7	0.006	0.006	0.005	0.01777
593667	4128455.02	0.006	0.006	0.005	0.01634
593722.02	4128455.02	0.006	0.006	0.005	0.01758
593777.04	4128455.02	0.007	0.007	0.006	0.01897
593832.06	4128455.02	0.007	0.007	0.006	0.02055
593667	4128529.34	0.007	0.007	0.006	0.01888
593722.02	4128529.34	0.007	0.007	0.006	0.02043
593777.04	4128529.34	0.008	0.008	0.006	0.02220
593832.06	4128529.34	0.009	0.008	0.007	0.02424
593667	4128603.66	0.008	0.008	0.006	0.02176
593722.02	4128603.66	0.009	0.008	0.007	0.02374

593777.04	4128603.66	0.009	0.009	0.008	0.02604
593832.06	4128603.66	0.010	0.010	0.008	0.02871
593667	4128677.98	0.009	0.009	0.007	0.02486
593722.02	4128677.98	0.010	0.009	0.008	0.02739
593777.04	4128677.98	0.011	0.010	0.009	0.03030
593832.06	4128677.98	0.012	0.012	0.010	0.03376
593667	4128752.3	0.010	0.010	0.008	0.02832
593722.02	4128752.3	0.011	0.011	0.009	0.03144
593777.04	4128752.3	0.013	0.012	0.010	0.03513
593832.06	4128752.3	0.014	0.014	0.012	0.03953
593667	4128826.62	0.012	0.011	0.009	0.03235
593722.02	4128826.62	0.013	0.012	0.011	0.03616
593777.04	4128826.62	0.015	0.014	0.012	0.04068
593832.06	4128826.62	0.017	0.016	0.013	0.04612
593667	4128900.94	0.013	0.013	0.011	0.03685
593722.02	4128900.94	0.015	0.014	0.012	0.04136
593777.04	4128900.94	0.017	0.016	0.014	0.04672
593832.06	4128900.94	0.019	0.018	0.016	0.05316
593667	4128975.26	0.015	0.014	0.012	0.04142
593722.02	4128975.26	0.017	0.016	0.014	0.04647
593777.04	4128975.26	0.019	0.018	0.015	0.05241
593832.06	4128975.26	0.022	0.021	0.017	0.05946
593667	4129049.58	0.016	0.016	0.013	0.04535
593722.02	4129049.58	0.018	0.017	0.015	0.05063
593777.04	4129049.58	0.021	0.020	0.017	0.05674
593832.06	4129049.58	0.023	0.022	0.019	0.06385
594352.86	4127540.64	0.001	0.001	0.001	0.00232
594416.15	4127540.64	0.001	0.001	0.001	0.00249
594479.44	4127540.64	0.001	0.001	0.001	0.00285
594542.73	4127540.64	0.001	0.001	0.001	0.00342
594606.02	4127540.64	0.002	0.001	0.001	0.00426
594669.31	4127540.64	0.002	0.002	0.002	0.00534
594732.6	4127540.64	0.002	0.002	0.002	0.00667
594795.89	4127540.64	0.003	0.003	0.002	0.00823
594859.18	4127540.64	0.004	0.003	0.003	0.01003
594922.47	4127540.64	0.004	0.004	0.004	0.01206
594985.76	4127540.64	0.005	0.005	0.004	0.01430
595049.05	4127540.64	0.006	0.006	0.005	0.01676
595112.34	4127540.64	0.007	0.007	0.006	0.01939
595175.63	4127540.64	0.008	0.008	0.006	0.02209

595238.92	4127540.64	0.009	0.009	0.007	0.02475
595302.21	4127540.64	0.010	0.009	0.008	0.02734
595365.5	4127540.64	0.011	0.010	0.009	0.02970
595428.79	4127540.64	0.012	0.011	0.009	0.03187
595492.08	4127540.64	0.012	0.012	0.010	0.03368
595555.37	4127540.64	0.013	0.012	0.010	0.03515
595618.66	4127540.64	0.013	0.013	0.011	0.03625
594352.86	4127567.33	0.001	0.001	0.001	0.00245
594416.15	4127567.33	0.001	0.001	0.001	0.00261
594479.44	4127567.33	0.001	0.001	0.001	0.00298
594542.73	4127567.33	0.001	0.001	0.001	0.00358
594606.02	4127567.33	0.002	0.002	0.001	0.00445
594669.31	4127567.33	0.002	0.002	0.002	0.00560
594732.6	4127567.33	0.003	0.002	0.002	0.00703
594795.89	4127567.33	0.003	0.003	0.003	0.00872
594859.18	4127567.33	0.004	0.004	0.003	0.01066
594922.47	4127567.33	0.005	0.004	0.004	0.01287
594985.76	4127567.33	0.006	0.005	0.004	0.01534
595049.05	4127567.33	0.006	0.006	0.005	0.01798
595112.34	4127567.33	0.008	0.007	0.006	0.02083
595175.63	4127567.33	0.009	0.008	0.007	0.02373
595238.92	4127567.33	0.010	0.009	0.008	0.02661
595302.21	4127567.33	0.011	0.010	0.009	0.02932
595365.5	4127567.33	0.012	0.011	0.009	0.03185
595428.79	4127567.33	0.012	0.012	0.010	0.03404
595492.08	4127567.33	0.013	0.012	0.010	0.03587
595555.37	4127567.33	0.014	0.013	0.011	0.03731
595618.66	4127567.33	0.014	0.013	0.011	0.03834
594352.86	4127594.02	0.001	0.001	0.001	0.00262
594416.15	4127594.02	0.001	0.001	0.001	0.00277
594479.44	4127594.02	0.001	0.001	0.001	0.00313
594542.73	4127594.02	0.001	0.001	0.001	0.00375
594606.02	4127594.02	0.002	0.002	0.001	0.00466
594669.31	4127594.02	0.002	0.002	0.002	0.00590
594732.6	4127594.02	0.003	0.003	0.002	0.00744
594795.89	4127594.02	0.003	0.003	0.003	0.00927
594859.18	4127594.02	0.004	0.004	0.003	0.01139
594922.47	4127594.02	0.005	0.005	0.004	0.01376
594985.76	4127594.02	0.006	0.006	0.005	0.01645
595049.05	4127594.02	0.007	0.007	0.006	0.01935

595112.34	4127594.02	0.008	0.008	0.007	0.02243
595175.63	4127594.02	0.009	0.009	0.007	0.02555
595238.92	4127594.02	0.010	0.010	0.008	0.02862
595302.21	4127594.02	0.011	0.011	0.009	0.03150
595365.5	4127594.02	0.012	0.012	0.010	0.03413
595428.79	4127594.02	0.013	0.013	0.011	0.03638
595492.08	4127594.02	0.014	0.013	0.011	0.03822
595555.37	4127594.02	0.014	0.014	0.012	0.03964
595618.66	4127594.02	0.015	0.014	0.012	0.04059
594352.86	4127620.71	0.001	0.001	0.001	0.00277
594416.15	4127620.71	0.001	0.001	0.001	0.00295
594479.44	4127620.71	0.001	0.001	0.001	0.00334
594542.73	4127620.71	0.001	0.001	0.001	0.00396
594606.02	4127620.71	0.002	0.002	0.001	0.00489
594669.31	4127620.71	0.002	0.002	0.002	0.00622
594732.6	4127620.71	0.003	0.003	0.002	0.00788
594795.89	4127620.71	0.004	0.003	0.003	0.00986
594859.18	4127620.71	0.004	0.004	0.004	0.01216
594922.47	4127620.71	0.005	0.005	0.004	0.01478
594985.76	4127620.71	0.006	0.006	0.005	0.01768
595049.05	4127620.71	0.008	0.007	0.006	0.02086
595112.34	4127620.71	0.009	0.008	0.007	0.02420
595175.63	4127620.71	0.010	0.010	0.008	0.02757
595238.92	4127620.71	0.011	0.011	0.009	0.03083
595302.21	4127620.71	0.012	0.012	0.010	0.03390
595365.5	4127620.71	0.013	0.013	0.011	0.03662
595428.79	4127620.71	0.014	0.013	0.011	0.03892
595492.08	4127620.71	0.015	0.014	0.012	0.04077
595555.37	4127620.71	0.015	0.015	0.012	0.04211
595618.66	4127620.71	0.016	0.015	0.013	0.04295
594352.86	4127647.4	0.001	0.001	0.001	0.00293
594416.15	4127647.4	0.001	0.001	0.001	0.00311
594479.44	4127647.4	0.001	0.001	0.001	0.00352
594542.73	4127647.4	0.001	0.001	0.001	0.00419
594606.02	4127647.4	0.002	0.002	0.002	0.00514
594669.31	4127647.4	0.002	0.002	0.002	0.00657
594732.6	4127647.4	0.003	0.003	0.002	0.00836
594795.89	4127647.4	0.004	0.004	0.003	0.01051
594859.18	4127647.4	0.005	0.005	0.004	0.01302
594922.47	4127647.4	0.006	0.006	0.005	0.01589

594985.76	4127647.4	0.007	0.007	0.006	0.01909
595049.05	4127647.4	0.008	0.008	0.007	0.02256
595112.34	4127647.4	0.009	0.009	0.008	0.02615
595175.63	4127647.4	0.011	0.010	0.009	0.02981
595238.92	4127647.4	0.012	0.012	0.010	0.03332
595302.21	4127647.4	0.013	0.013	0.011	0.03653
595365.5	4127647.4	0.014	0.014	0.012	0.03935
595428.79	4127647.4	0.015	0.014	0.012	0.04169
595492.08	4127647.4	0.016	0.015	0.013	0.04350
595555.37	4127647.4	0.016	0.015	0.013	0.04474
595618.66	4127647.4	0.016	0.016	0.013	0.04543
594352.86	4127674.09	0.001	0.001	0.001	0.00311
594416.15	4127674.09	0.001	0.001	0.001	0.00328
594479.44	4127674.09	0.001	0.001	0.001	0.00371
594542.73	4127674.09	0.002	0.002	0.001	0.00442
594606.02	4127674.09	0.002	0.002	0.002	0.00541
594669.31	4127674.09	0.002	0.002	0.002	0.00695
594732.6	4127674.09	0.003	0.003	0.003	0.00889
594795.89	4127674.09	0.004	0.004	0.003	0.01125
594859.18	4127674.09	0.005	0.005	0.004	0.01399
594922.47	4127674.09	0.006	0.006	0.005	0.01712
594985.76	4127674.09	0.007	0.007	0.006	0.02063
595049.05	4127674.09	0.009	0.008	0.007	0.02443
595112.34	4127674.09	0.010	0.010	0.008	0.02837
595175.63	4127674.09	0.012	0.011	0.009	0.03227
595238.92	4127674.09	0.013	0.012	0.011	0.03604
595302.21	4127674.09	0.014	0.014	0.012	0.03942
595365.5	4127674.09	0.015	0.015	0.012	0.04233
595428.79	4127674.09	0.016	0.015	0.013	0.04468
595492.08	4127674.09	0.017	0.016	0.014	0.04642
595555.37	4127674.09	0.017	0.016	0.014	0.04753
595618.66	4127674.09	0.017	0.017	0.014	0.04805
594352.86	4127700.78	0.001	0.001	0.001	0.00327
594416.15	4127700.78	0.001	0.001	0.001	0.00348
594479.44	4127700.78	0.001	0.001	0.001	0.00392
594542.73	4127700.78	0.002	0.002	0.001	0.00467
594606.02	4127700.78	0.002	0.002	0.002	0.00571
594669.31	4127700.78	0.003	0.003	0.002	0.00736
594732.6	4127700.78	0.003	0.003	0.003	0.00947
594795.89	4127700.78	0.004	0.004	0.004	0.01205

594859.18	4127700.78	0.005	0.005	0.004	0.01507
594922.47	4127700.78	0.007	0.006	0.005	0.01851
594985.76	4127700.78	0.008	0.008	0.007	0.02237
595049.05	4127700.78	0.010	0.009	0.008	0.02651
595112.34	4127700.78	0.011	0.011	0.009	0.03082
595175.63	4127700.78	0.013	0.012	0.010	0.03506
595238.92	4127700.78	0.014	0.013	0.011	0.03903
595302.21	4127700.78	0.015	0.015	0.012	0.04259
595365.5	4127700.78	0.017	0.016	0.013	0.04557
595428.79	4127700.78	0.017	0.017	0.014	0.04790
595492.08	4127700.78	0.018	0.017	0.014	0.04953
595555.37	4127700.78	0.018	0.017	0.015	0.05048
595618.66	4127700.78	0.018	0.018	0.015	0.05081
595497.7	4127730.05	0.019	0.018	0.016	0.05329
595572.99	4127730.05	0.020	0.019	0.016	0.05402
595648.28	4127730.05	0.020	0.019	0.016	0.05385
595723.57	4127730.05	0.019	0.018	0.015	0.05295
595798.86	4127730.05	0.019	0.018	0.015	0.05151
595497.7	4127796.4	0.023	0.022	0.018	0.06257
595572.99	4127796.4	0.023	0.022	0.018	0.06249
595648.28	4127796.4	0.022	0.021	0.018	0.06143
595723.57	4127796.4	0.022	0.021	0.017	0.05964
595798.86	4127796.4	0.021	0.020	0.017	0.05737
595497.7	4127862.75	0.027	0.025	0.021	0.07343
595572.99	4127862.75	0.026	0.025	0.021	0.07217
595648.28	4127862.75	0.025	0.024	0.020	0.06991
595723.57	4127862.75	0.024	0.023	0.020	0.06701
595798.86	4127862.75	0.023	0.022	0.019	0.06372
595497.7	4127929.1	0.031	0.030	0.025	0.08603
595572.99	4127929.1	0.030	0.029	0.024	0.08314
595648.28	4127929.1	0.029	0.027	0.023	0.07935
595723.57	4127929.1	0.027	0.026	0.022	0.07503
595798.86	4127929.1	0.026	0.024	0.021	0.07047
595497.7	4127995.45	0.036	0.035	0.029	0.10056
595572.99	4127995.45	0.035	0.033	0.028	0.09547
595648.28	4127995.45	0.033	0.031	0.026	0.08966
595723.57	4127995.45	0.030	0.029	0.024	0.08353
595798.86	4127995.45	0.028	0.027	0.023	0.07734
595497.7	4128061.8	0.042	0.040	0.034	0.11705
595572.99	4128061.8	0.040	0.038	0.032	0.10899



595648.28	4128061.8	0.036	0.035	0.029	0.10053
595723.57	4128061.8	0.033	0.032	0.027	0.09205
595798.86	4128061.8	0.030	0.029	0.024	0.08380
595497.7	4128128.15	0.049	0.047	0.039	0.13522
595572.99	4128128.15	0.045	0.043	0.036	0.12312
595648.28	4128128.15	0.040	0.038	0.032	0.11116
595723.57	4128128.15	0.036	0.034	0.029	0.09970
595798.86	4128128.15	0.032	0.031	0.026	0.08897
595497.7	4128194.5	0.056	0.053	0.045	0.15390
595572.99	4128194.5	0.049	0.047	0.040	0.13647
595648.28	4128194.5	0.044	0.041	0.035	0.12013
595723.57	4128194.5	0.038	0.036	0.031	0.10520
595798.86	4128194.5	0.033	0.032	0.027	0.09178
595497.7	4128260.85	0.062	0.059	0.050	0.17068
595572.99	4128260.85	0.053	0.051	0.043	0.14672
595648.28	4128260.85	0.046	0.043	0.037	0.12551
595723.57	4128260.85	0.039	0.037	0.031	0.10706
595798.86	4128260.85	0.033	0.032	0.027	0.09124
595497.7	4128327.2	0.066	0.063	0.053	0.18174
595572.99	4128327.2	0.055	0.052	0.044	0.15099
595648.28	4128327.2	0.045	0.043	0.037	0.12534
595723.57	4128327.2	0.038	0.036	0.030	0.10418
595798.86	4128327.2	0.032	0.030	0.025	0.08688
595497.7	4128393.55	0.066	0.063	0.053	0.18290
595572.99	4128393.55	0.053	0.051	0.043	0.14691
595648.28	4128393.55	0.043	0.041	0.035	0.11862
595723.57	4128393.55	0.035	0.033	0.028	0.09647
595798.86	4128393.55	0.029	0.027	0.023	0.07913
595497.7	4128459.9	0.062	0.059	0.050	0.17171
595572.99	4128459.9	0.049	0.046	0.039	0.13411
595648.28	4128459.9	0.038	0.037	0.031	0.10612
595723.57	4128459.9	0.031	0.029	0.025	0.08514
595798.86	4128459.9	0.025	0.024	0.020	0.06927
595497.7	4128526.25	0.054	0.052	0.044	0.14964
595572.99	4128526.25	0.042	0.040	0.034	0.11507
595648.28	4128526.25	0.033	0.031	0.026	0.09035
595723.57	4128526.25	0.026	0.025	0.021	0.07234
595798.86	4128526.25	0.021	0.020	0.017	0.05898
595497.7	4128592.6	0.044	0.042	0.036	0.12216
595572.99	4128592.6	0.034	0.033	0.028	0.09417

595648.28	4128592.6	0.027	0.026	0.022	0.07448
595723.57	4128592.6	0.022	0.021	0.018	0.06024
595798.86	4128592.6	0.018	0.017	0.015	0.04969
595497.7	4128658.95	0.034	0.033	0.028	0.09506
595572.99	4128658.95	0.027	0.026	0.022	0.07527
595648.28	4128658.95	0.022	0.021	0.018	0.06074
595723.57	4128658.95	0.018	0.017	0.015	0.05008
595798.86	4128658.95	0.015	0.015	0.012	0.04204
595497.7	4128725.3	0.026	0.025	0.021	0.07286
595572.99	4128725.3	0.022	0.021	0.017	0.05973
595648.28	4128725.3	0.018	0.017	0.014	0.04959
595723.57	4128725.3	0.015	0.014	0.012	0.04187
595798.86	4128725.3	0.013	0.012	0.010	0.03587
595312.78	4128113.49	0.056	0.053	0.045	0.15353
595353.37	4128113.49	0.054	0.052	0.044	0.14976
595393.96	4128113.49	0.053	0.050	0.042	0.14516
595434.55	4128113.49	0.051	0.048	0.041	0.13995
595312.78	4128167.08	0.066	0.063	0.053	0.18112
595353.37	4128167.08	0.063	0.060	0.051	0.17433
595393.96	4128167.08	0.061	0.058	0.049	0.16685
595434.55	4128167.08	0.058	0.055	0.046	0.15893
595312.78	4128220.67	0.077	0.073	0.062	0.21244
595353.37	4128220.67	0.073	0.070	0.059	0.20145
595393.96	4128220.67	0.069	0.066	0.055	0.19004
595434.55	4128220.67	0.065	0.062	0.052	0.17854
595312.78	4128274.26	0.089	0.085	0.072	0.24644
595353.37	4128274.26	0.083	0.079	0.067	0.22965
595393.96	4128274.26	0.077	0.074	0.062	0.21310
595434.55	4128274.26	0.071	0.068	0.058	0.19706
593786.29	4129268.12	0.021	0.020	0.017	0.05859
593838.34	4129268.12	0.023	0.022	0.019	0.06342
593786.29	4129289.04	0.021	0.020	0.017	0.05793
593838.34	4129289.04	0.023	0.022	0.018	0.06251
593786.29	4129309.96	0.021	0.020	0.017	0.05720
593838.34	4129309.96	0.022	0.021	0.018	0.06153
595225.34	4128413.88	0.152	0.145	0.123	0.41971
595225.34	4128445.98	0.161	0.153	0.130	0.44375
595225.34	4128478.09	0.167	0.159	0.134	0.45941
595225.34	4128510.2	0.168	0.160	0.135	0.46390
595230.915	4128413.39	0.150	0.142	0.120	0.41241

595236.491	4128445.01	0.155	0.147	0.125	0.42660
595242.066	4128476.63	0.156	0.149	0.126	0.43026
595247.641	4128508.25	0.153	0.146	0.123	0.42158
595236.321	4128411.94	0.147	0.140	0.118	0.40472
595247.302	4128442.11	0.149	0.141	0.120	0.40972
595258.283	4128472.28	0.146	0.139	0.118	0.40360
595269.265	4128502.45	0.140	0.133	0.113	0.38577
595241.393	4128409.58	0.144	0.137	0.116	0.39691
595257.447	4128437.38	0.143	0.136	0.115	0.39378
595273.5	4128465.19	0.138	0.131	0.111	0.38021
595289.553	4128492.99	0.129	0.123	0.104	0.35669
595245.978	4128406.37	0.141	0.134	0.114	0.38927
595266.616	4128430.96	0.138	0.131	0.111	0.37920
595287.253	4128455.56	0.131	0.124	0.105	0.36031
595307.891	4128480.15	0.121	0.115	0.097	0.33375
595249.935	4128402.41	0.139	0.132	0.111	0.38199
595274.53	4128423.05	0.133	0.126	0.107	0.36619
595299.126	4128443.68	0.125	0.119	0.100	0.34372
595323.721	4128464.32	0.115	0.109	0.092	0.31598
595253.145	4128397.82	0.136	0.130	0.110	0.37523
595280.95	4128413.88	0.129	0.123	0.104	0.35480
595308.756	4128429.93	0.120	0.114	0.096	0.33005
595336.561	4128445.98	0.110	0.104	0.088	0.30227
595255.51	4128392.75	0.134	0.127	0.108	0.36911
595285.681	4128403.73	0.125	0.119	0.101	0.34496
595315.851	4128414.71	0.116	0.110	0.093	0.31882
595346.022	4128425.69	0.106	0.101	0.085	0.29162
595256.959	4128387.35	0.132	0.126	0.106	0.36370
595288.578	4128392.92	0.122	0.116	0.098	0.33660
595320.197	4128398.5	0.112	0.107	0.090	0.30959
595351.816	4128404.07	0.103	0.098	0.083	0.28316
595257.447	4128381.77	0.130	0.124	0.105	0.35907
595289.553	4128381.77	0.120	0.114	0.096	0.32959
595321.66	4128381.77	0.110	0.104	0.088	0.30193
595353.767	4128381.77	0.100	0.095	0.081	0.27619
595256.959	4128376.19	0.129	0.123	0.104	0.35524
595288.578	4128370.62	0.117	0.112	0.095	0.32384
595320.197	4128365.04	0.107	0.102	0.086	0.29561
595351.816	4128359.47	0.098	0.093	0.079	0.27023
595255.51	4128370.79	0.128	0.122	0.103	0.35228

595285.681	4128359.81	0.116	0.110	0.093	0.31928
595315.851	4128348.83	0.105	0.100	0.085	0.29042
595346.022	4128337.85	0.096	0.092	0.077	0.26505
595253.145	4128365.72	0.127	0.121	0.102	0.35019
595280.95	4128349.66	0.115	0.109	0.092	0.31590
595308.756	4128333.61	0.104	0.099	0.084	0.28632
595336.561	4128317.56	0.095	0.090	0.076	0.26061
595249.935	4128361.13	0.127	0.121	0.102	0.34902
595274.53	4128340.49	0.114	0.108	0.092	0.31375
595299.126	4128319.86	0.103	0.098	0.083	0.28336
595323.721	4128299.22	0.093	0.089	0.075	0.25702
595245.978	4128357.17	0.127	0.120	0.102	0.34878
595266.616	4128332.58	0.114	0.108	0.091	0.31288
595287.253	4128307.98	0.102	0.097	0.082	0.28169
595307.891	4128283.39	0.092	0.088	0.074	0.25449
595241.393	4128353.96	0.127	0.121	0.102	0.34952
595257.447	4128326.16	0.114	0.108	0.091	0.31340
595273.5	4128298.35	0.102	0.097	0.082	0.28147
595289.553	4128270.55	0.092	0.087	0.074	0.25331
595236.321	4128351.6	0.127	0.121	0.103	0.35126
595247.302	4128321.43	0.114	0.109	0.092	0.31544
595258.283	4128291.26	0.103	0.098	0.083	0.28295
595269.265	4128261.09	0.092	0.088	0.074	0.25383
595230.915	4128350.15	0.128	0.122	0.103	0.35402
595236.491	4128318.53	0.116	0.110	0.093	0.31912
595242.066	4128286.91	0.104	0.099	0.084	0.28641
595247.641	4128255.29	0.093	0.089	0.075	0.25644
595225.34	4128349.66	0.130	0.124	0.104	0.35781
595225.34	4128317.56	0.118	0.112	0.095	0.32459
595225.34	4128285.45	0.106	0.101	0.085	0.29218
595225.34	4128253.34	0.095	0.090	0.076	0.26157
595219.765	4128350.15	0.132	0.125	0.106	0.36262
595214.189	4128318.53	0.120	0.115	0.097	0.33205
595208.614	4128286.91	0.109	0.104	0.088	0.30061
595203.039	4128255.29	0.098	0.093	0.079	0.26974
595214.359	4128351.6	0.134	0.127	0.108	0.36839
595203.378	4128321.43	0.124	0.118	0.100	0.34159
595192.397	4128291.26	0.113	0.108	0.091	0.31206
595181.415	4128261.09	0.102	0.097	0.082	0.28159
595209.287	4128353.96	0.136	0.130	0.109	0.37505

595193.233	4128326.16	0.128	0.122	0.103	0.35328
595177.18	4128298.35	0.119	0.113	0.095	0.32693
595161.127	4128270.55	0.108	0.103	0.087	0.29790
595204.702	4128357.17	0.139	0.132	0.112	0.38248
595184.064	4128332.58	0.133	0.127	0.107	0.36712
595163.427	4128307.98	0.125	0.119	0.101	0.34558
595142.789	4128283.39	0.116	0.110	0.093	0.31948
595200.745	4128361.13	0.142	0.135	0.114	0.39049
595176.15	4128340.49	0.139	0.132	0.112	0.38295
595151.555	4128319.86	0.134	0.127	0.107	0.36821
595126.959	4128299.22	0.126	0.120	0.101	0.34723
595197.535	4128365.72	0.145	0.138	0.116	0.39884
595169.73	4128349.66	0.145	0.138	0.117	0.40046
595141.924	4128333.61	0.143	0.136	0.115	0.39478
595114.119	4128317.56	0.139	0.132	0.111	0.38182
595195.17	4128370.79	0.148	0.141	0.119	0.40723
595164.999	4128359.81	0.152	0.145	0.122	0.41907
595134.829	4128348.83	0.154	0.147	0.124	0.42480
595104.658	4128337.85	0.154	0.146	0.124	0.42344
595193.721	4128376.19	0.151	0.143	0.121	0.41532
595162.102	4128370.62	0.159	0.151	0.128	0.43797
595130.483	4128365.04	0.166	0.158	0.133	0.45707
595098.864	4128359.47	0.171	0.163	0.138	0.47115
595193.233	4128381.77	0.153	0.146	0.123	0.42272
595161.127	4128381.77	0.165	0.157	0.133	0.45607
595129.02	4128381.77	0.178	0.169	0.143	0.48963
595096.913	4128381.77	0.189	0.180	0.152	0.52228
595193.721	4128387.35	0.156	0.148	0.125	0.42906
595162.102	4128392.92	0.171	0.163	0.138	0.47211
595130.483	4128398.5	0.189	0.179	0.152	0.51972
595098.864	4128404.07	0.208	0.198	0.167	0.57201
595195.17	4128392.75	0.157	0.150	0.127	0.43401
595164.999	4128403.73	0.176	0.167	0.141	0.48480
595134.829	4128414.71	0.197	0.188	0.159	0.54413
595104.658	4128425.69	0.223	0.212	0.179	0.61372
595197.535	4128397.82	0.159	0.151	0.128	0.43727
595169.73	4128413.88	0.179	0.170	0.144	0.49306
595141.924	4128429.93	0.203	0.193	0.163	0.55986
595114.119	4128445.98	0.232	0.221	0.187	0.64061
595200.745	4128402.41	0.159	0.151	0.128	0.43867

595176.15	4128423.05	0.180	0.171	0.145	0.49613
595151.555	4128443.68	0.205	0.195	0.165	0.56487
595126.959	4128464.32	0.235	0.224	0.189	0.64780
595204.702	4128406.37	0.159	0.151	0.128	0.43816
595184.064	4128430.96	0.179	0.171	0.144	0.49381
595163.427	4128455.56	0.203	0.193	0.163	0.55857
595142.789	4128480.15	0.230	0.219	0.185	0.63412
595209.287	4128409.58	0.158	0.150	0.127	0.43578
595193.233	4128437.38	0.176	0.168	0.142	0.48643
595177.18	4128465.19	0.197	0.187	0.158	0.54212
595161.127	4128492.99	0.219	0.208	0.176	0.60255
595214.359	4128411.94	0.157	0.149	0.126	0.43173
595203.378	4128442.11	0.172	0.164	0.139	0.47485
595192.397	4128472.28	0.188	0.179	0.151	0.51804
595181.415	4128502.45	0.203	0.193	0.163	0.55918
595219.765	4128413.39	0.155	0.147	0.124	0.42627
595214.189	4128445.01	0.167	0.159	0.134	0.46021
595208.614	4128476.63	0.178	0.169	0.143	0.48947
595203.039	4128508.25	0.185	0.176	0.149	0.51101
594645.59	4128502.87	0.088	0.085	0.072	0.24503
594644.51	4128523.39	0.133	0.128	0.108	0.36856
594640.67	4128547.67	0.207	0.198	0.167	0.57257
594778.05	4128503.58	0.836	0.796	0.673	2.30430
594789.55	4128515.08	0.987	0.939	0.794	2.71954
594800.41	4128527.22	1.131	1.076	0.909	3.11608
594813.83	4128543.19	1.298	1.235	1.044	3.57735
594859.83	4128584.08	1.456	1.385	1.171	4.01181
594870.05	4128594.31	1.468	1.396	1.180	4.04379
594880.91	4128605.81	1.470	1.398	1.182	4.04948
594891.78	4128616.67	1.446	1.376	1.163	3.98542
594611.28	4128774.49	0.577	0.549	0.464	1.58966
594594.03	4128775.13	0.483	0.460	0.388	1.33103
594611.92	4128737.43	0.568	0.541	0.457	1.56605
594614.48	4128716.98	0.560	0.532	0.450	1.54214
594595.95	4128717.62	0.454	0.432	0.365	1.25067
594590.84	4128739.35	0.453	0.431	0.365	1.24935
594572.95	4128737.43	0.378	0.359	0.304	1.04075
594558.25	4128731.68	0.324	0.308	0.261	0.89324
594650.26	4128653.09	0.727	0.693	0.585	2.00509
594556.33	4128743.18	0.328	0.312	0.264	0.90300

594156.81	4128109.88	0.005	0.006	0.005	0.01589
594173.28	4128104.16	0.005	0.006	0.005	0.01679
594204.67	4128130.51	0.005	0.006	0.005	0.01554
594294.16	4128082.57	0.007	0.009	0.008	0.02403
594402.07	4128182.58	0.006	0.006	0.005	0.01635
594560.99	4128457.35	0.031	0.030	0.025	0.08693
594484.6	4128319.73	0.011	0.010	0.009	0.02936
594496.18	4128330.79	0.011	0.011	0.009	0.03142
594785.03	4128768.48	2.326	2.212	1.870	6.40837
594809.73	4128769.39	1.712	1.629	1.377	4.71762
594853.71	4128775.36	0.968	0.921	0.779	2.66750
594860.97	4128775.36	0.881	0.839	0.709	2.42922
594896.14	4128777.48	0.483	0.461	0.390	1.33498
595133.8	4128685.43	0.173	0.165	0.140	0.47810
594914.19	4128786.67	0.331	0.317	0.268	0.91653
594874.82	4128777.83	0.679	0.646	0.546	1.87141
594152.05	4128129.79	0.005	0.005	0.005	0.01490
594202.81	4128148.84	0.005	0.005	0.005	0.01537
594241.18	4128131.38	0.005	0.006	0.005	0.01580
594332.26	4128103.12	0.006	0.007	0.006	0.01790
594456.05	4128365.74	0.014	0.013	0.011	0.03787
594570.17	4128468.28	0.036	0.034	0.029	0.09924
594462.2	4128339.56	0.012	0.011	0.010	0.03267
594506.43	4128340.91	0.012	0.012	0.010	0.03360
594790.08	4128779.43	1.695	1.613	1.363	4.67097
594830.62	4128770.02	1.378	1.311	1.108	3.79725
594782.57	4128786.09	1.482	1.410	1.192	4.08381
594852.94	4128785.86	0.762	0.725	0.613	2.10046
594873.88	4128804.73	0.379	0.361	0.305	1.04474
595133.34	4128701.89	0.155	0.148	0.125	0.42726
595019.02	4128685.83	0.457	0.435	0.367	1.25871
595057.48	4128670.69	0.345	0.329	0.278	0.95174
595058.31	4128653.72	0.369	0.351	0.297	1.01587
595056.86	4128637.66	0.391	0.372	0.314	1.07716
594151.73	4128146.21	0.005	0.005	0.004	0.01479
594240.91	4128149.07	0.005	0.006	0.005	0.01567
594174.19	4128094.46	0.006	0.007	0.006	0.01839
594310.35	4128118.59	0.005	0.006	0.005	0.01644
594494.91	4128412.28	0.019	0.018	0.016	0.05330
594580.96	4128478.67	0.042	0.040	0.034	0.11499

594471.65	4128352.38	0.013	0.012	0.010	0.03539
594515.61	4128353.46	0.013	0.013	0.011	0.03663
594929.89	4128040.25	0.025	0.024	0.020	0.06926
594897.89	4128019.95	0.020	0.019	0.016	0.05562
594729.44	4128313.92	0.040	0.040	0.034	0.11430
594730.04	4128324.02	0.045	0.044	0.037	0.12573
594965.04	4128727.99	0.636	0.606	0.512	1.75317
595039.74	4128656.87	0.426	0.406	0.343	1.17500
595011.68	4128715.14	0.398	0.379	0.320	1.09783
595023.07	4128705.51	0.383	0.365	0.308	1.05623
595035.37	4128696.33	0.363	0.345	0.292	1.00028
595048.6	4128684.86	0.345	0.329	0.278	0.95219
594156.81	4128166.44	0.005	0.005	0.005	0.01509
594324.73	4128150.25	0.005	0.006	0.005	0.01588
594192.29	4128092.14	0.006	0.007	0.006	0.01931
594328.45	4128132.15	0.005	0.006	0.005	0.01590
594484.65	4128398.92	0.017	0.017	0.014	0.04802
594590.68	4128491.48	0.050	0.048	0.041	0.13922
594481.09	4128364.92	0.014	0.013	0.011	0.03844
594526.67	4128365.19	0.014	0.014	0.012	0.03991
594851.13	4127984.38	0.014	0.014	0.012	0.03933
594848.47	4128001.92	0.015	0.015	0.012	0.04191
594712.46	4128323.73	0.038	0.039	0.033	0.11024
594780.3	4128311.57	0.064	0.062	0.052	0.17859
595091.67	4128681.59	0.244	0.232	0.196	0.67292
594985.15	4128715.08	0.547	0.521	0.440	1.50750
595001.12	4128701.32	0.503	0.479	0.404	1.38556
594975.35	4128737.57	0.483	0.460	0.389	1.33258
594894.98	4128801.8	0.308	0.294	0.248	0.85005
594918.29	4128804.09	0.230	0.221	0.186	0.63727
594935.19	4128811.44	0.180	0.174	0.147	0.50122
594292.66	4128148.25	0.005	0.006	0.005	0.01588
594206.26	4128109.2	0.005	0.006	0.005	0.01672
594372.26	4128145.71	0.005	0.006	0.005	0.01555
594476.02	4128388.8	0.016	0.015	0.013	0.04449
594599.04	4128501.06	0.060	0.057	0.048	0.16510
594492.7	4128375.31	0.015	0.014	0.012	0.04148
594534.77	4128374.77	0.015	0.015	0.013	0.04290
594931.92	4128018.42	0.023	0.022	0.018	0.06295
594897.21	4128000.82	0.018	0.018	0.015	0.05087



594753.99	4128314.5	0.051	0.050	0.042	0.14261
594780.53	4128299.81	0.058	0.056	0.047	0.16130
595091.67	4128697.59	0.218	0.208	0.176	0.60224
595033.78	4128674.19	0.420	0.400	0.338	1.15718
595092.89	4128798.07	0.082	0.078	0.066	0.22562
595109.32	4128798.07	0.075	0.072	0.061	0.20781
595123.92	4128797.61	0.070	0.067	0.057	0.19450
594594.57	4128547.24	0.114	0.108	0.092	0.31382
594610.2	4128548.32	0.136	0.130	0.110	0.37590
594624.75	4128548.86	0.165	0.158	0.133	0.45599
594621.75	4128590.45	0.283	0.270	0.228	0.78014
594105.97	4128171.34	0.005	0.005	0.004	0.01460
594239.91	4128105.3	0.006	0.006	0.005	0.01744
594369.41	4128168.8	0.006	0.006	0.005	0.01607
594584.77	4128432.65	0.026	0.025	0.022	0.07348
594576.92	4128422.67	0.024	0.023	0.019	0.06596
594616.02	4128467.73	0.042	0.041	0.034	0.11708
594556.63	4128400.54	0.019	0.018	0.016	0.05310
594898.07	4127985.5	0.017	0.017	0.014	0.04771
594929.03	4127999.04	0.020	0.020	0.017	0.05691
594766.84	4128316.04	0.058	0.057	0.048	0.16279
594779.15	4128327.06	0.072	0.070	0.059	0.20093
595090.75	4128714.05	0.192	0.183	0.155	0.53081
595008.09	4128772.32	0.193	0.184	0.156	0.53213
595051.13	4128776.45	0.132	0.126	0.107	0.36437
595018.02	4128785.17	0.148	0.141	0.119	0.40814
595050.97	4128790.22	0.112	0.107	0.090	0.30910
594549.75	4128547.91	0.080	0.076	0.064	0.22010
594565.38	4128547.1	0.089	0.085	0.071	0.24464
594642.31	4128571.41	0.314	0.300	0.253	0.86759
594649.57	4128583.56	0.423	0.403	0.341	1.16599
594156.81	4128181.41	0.005	0.005	0.005	0.01546
594242.13	4128084.89	0.007	0.008	0.007	0.02246
594466.33	4128377.73	0.015	0.014	0.012	0.04108
594595.83	4128445.2	0.031	0.030	0.025	0.08529
594606.6	4128457.61	0.036	0.035	0.029	0.10037
594567.98	4128410.66	0.021	0.020	0.017	0.05856
594623.82	4128478.93	0.051	0.049	0.041	0.14066
594850.69	4127967.48	0.013	0.013	0.011	0.03653
594713.46	4128311.86	0.035	0.036	0.030	0.10130

594766.84	4128324.25	0.063	0.061	0.051	0.17465
594779.15	4128339.62	0.081	0.077	0.065	0.22350
594863.24	4128961.31	0.078	0.075	0.063	0.21630
595029.65	4128774.56	0.157	0.150	0.127	0.43466
595091.97	4128774.56	0.104	0.099	0.084	0.28761
595109.78	4128774.56	0.094	0.090	0.076	0.25939
595050.97	4128765.38	0.152	0.145	0.122	0.41851
594535.7	4128548.04	0.073	0.069	0.059	0.20056
594580.5	4128547.5	0.100	0.096	0.081	0.27744
594639.61	4128583.69	0.350	0.334	0.282	0.96648
594649.3	4128595.3	0.476	0.454	0.384	1.31419
594112.36	4128157.82	0.005	0.005	0.004	0.01438
594316.11	4128129.88	0.005	0.006	0.005	0.01599
594604.22	4128516.57	0.078	0.075	0.063	0.21544
594544.02	4128470.15	0.034	0.032	0.027	0.09373
594516.47	4128436.69	0.024	0.023	0.019	0.06611
594531.56	4128422.12	0.022	0.021	0.018	0.06063
594502.39	4128386.5	0.016	0.016	0.013	0.04507
594711.93	4128340.94	0.045	0.045	0.038	0.12796
594724.7	4128340.71	0.050	0.050	0.042	0.14176
594738.16	4128340.94	0.057	0.056	0.047	0.16095
594764.92	4128298.95	0.050	0.048	0.041	0.13908
594855.84	4128802.72	0.490	0.467	0.394	1.35128
594785.53	4128831.63	0.481	0.457	0.387	1.32466
594796.46	4128831.63	0.448	0.426	0.360	1.23499
595049.6	4128808.45	0.092	0.088	0.075	0.25499
594828.2	4128794.7	0.785	0.747	0.631	2.16305
594891.14	4128831.45	0.203	0.194	0.164	0.56076
594905.45	4128831.19	0.179	0.171	0.144	0.49404
594918	4128830.69	0.162	0.155	0.131	0.44732
594291.98	4128131.38	0.005	0.006	0.005	0.01598
594574.27	4128502.13	0.053	0.051	0.043	0.14720
594554.54	4128483.51	0.040	0.038	0.032	0.11044
594525.37	4128448.16	0.027	0.026	0.022	0.07384
594541.54	4128435.48	0.025	0.024	0.020	0.06868
594512.1	4128397.16	0.018	0.017	0.014	0.04901
594788.47	4128796.69	1.005	0.956	0.808	2.76947
594812.03	4128788.66	1.056	1.004	0.849	2.90910
594808.73	4128806.79	0.677	0.644	0.545	1.86615
594855.23	4128813.67	0.391	0.373	0.315	1.07942

594859.28	4128793.94	0.578	0.550	0.465	1.59283
595427.44	4129452.45	0.006	0.007	0.006	0.01864
595443.76	4129477.89	0.006	0.006	0.005	0.01770
595096.58	4128893.01	0.042	0.041	0.035	0.11729
594931.43	4128831.15	0.145	0.139	0.118	0.40269
594942.72	4128831.15	0.135	0.130	0.110	0.37433
594952	4128830.89	0.128	0.124	0.105	0.35638
594296.11	4128099.86	0.006	0.007	0.006	0.01848
594583.17	4128516.02	0.067	0.064	0.054	0.18471
594565.07	4128491.74	0.045	0.043	0.037	0.12543
594535.36	4128456.66	0.029	0.028	0.024	0.08117
594551.25	4128443.17	0.027	0.026	0.022	0.07474
594634.61	4128491.2	0.066	0.063	0.053	0.18228
594807.75	4128780.8	1.353	1.287	1.088	3.72799
594789.31	4128805.81	0.780	0.742	0.627	2.14855
594831.22	4128783.32	1.020	0.970	0.820	2.81022
594832.05	4128808.57	0.545	0.519	0.438	1.50155
594810.94	4128797.36	0.844	0.803	0.679	2.32555
595414.09	4129463.99	0.006	0.006	0.005	0.01803
595497.65	4129524.43	0.006	0.006	0.005	0.01616
595481.49	4129523.42	0.006	0.006	0.005	0.01605
595080.91	4128875.09	0.049	0.047	0.040	0.13579
595084.17	4128856.08	0.053	0.052	0.044	0.14860
595139.79	4128859.08	0.042	0.041	0.034	0.11720
595164.13	4128891	0.033	0.032	0.027	0.09212
595207.95	4128939.61	0.024	0.023	0.020	0.06736
595220.47	4129289.9	0.010	0.010	0.009	0.02888
595259.38	4129289.47	0.010	0.010	0.008	0.02819
595294.68	4129290.12	0.010	0.010	0.008	0.02788
594902.61	4129107.8	0.031	0.030	0.025	0.08688
594827.43	4129184.31	0.032	0.030	0.025	0.08712
594852.82	4129183.98	0.029	0.027	0.023	0.07953
595333.6	4129288.08	0.010	0.010	0.009	0.02912
595380.35	4129325.01	0.009	0.010	0.009	0.02805
595354.7	4129297.95	0.010	0.011	0.009	0.02959
595368.91	4129310.75	0.010	0.011	0.009	0.02910
595107.61	4128896.67	0.039	0.039	0.033	0.11045
595293.36	4129039.9	0.015	0.015	0.013	0.04227
595128.46	4128901.73	0.036	0.035	0.029	0.09985
595155	4128868.94	0.038	0.037	0.031	0.10531

595175.78	4128905.49	0.030	0.029	0.025	0.08357
595238.67	4129290.18	0.010	0.010	0.008	0.02848
595275	4129290.4	0.010	0.010	0.008	0.02796
595312.87	4129293.82	0.010	0.010	0.008	0.02772
594951.95	4129201.23	0.019	0.018	0.015	0.05284
594951.45	4129184.34	0.020	0.019	0.016	0.05592
594951.87	4129167.45	0.021	0.020	0.017	0.05917
595428.66	4129378.62	0.008	0.009	0.008	0.02504
595310.9	4129057.13	0.014	0.014	0.012	0.03926
595331.92	4129156.05	0.012	0.013	0.011	0.03524
595321.54	4129074.33	0.013	0.013	0.011	0.03725
595113.6	4128851.38	0.049	0.047	0.040	0.13558
595112.85	4128887.74	0.040	0.039	0.033	0.11233
595120.78	4128911.11	0.035	0.035	0.029	0.09931
595221.89	4128959.1	0.022	0.021	0.018	0.06115
595233.53	4128971.89	0.020	0.020	0.017	0.05724
595119.78	4129332.57	0.010	0.010	0.008	0.02826
595138.93	4129334.68	0.010	0.010	0.008	0.02766
595155.7	4129334.42	0.010	0.010	0.008	0.02732
595183.3	4129288.98	0.011	0.010	0.009	0.02978
595272.73	4129366.65	0.008	0.008	0.007	0.02365
595214.73	4129331.51	0.009	0.009	0.008	0.02645
595287.25	4129332.83	0.009	0.009	0.007	0.02522
595311.95	4129339.18	0.009	0.009	0.007	0.02462
595331.37	4129347.63	0.008	0.008	0.007	0.02404
595074.4	4129323.35	0.011	0.010	0.009	0.03019
595285.77	4129354.5	0.009	0.008	0.007	0.02408
595418.42	4129365.33	0.009	0.009	0.008	0.02585
595279.07	4129085.35	0.015	0.015	0.013	0.04203
595372.78	4129189.43	0.010	0.011	0.009	0.03074
595343.48	4129168.35	0.012	0.012	0.010	0.03401
595230.18	4129029.41	0.018	0.018	0.015	0.05193
595263.39	4129007.48	0.017	0.017	0.014	0.04867
595279.79	4129026.86	0.016	0.016	0.013	0.04484
595147.72	4128938.09	0.029	0.029	0.024	0.08240
595137.3	4128924.75	0.032	0.031	0.026	0.08910
595112.65	4129285.77	0.011	0.011	0.009	0.03202
595074.99	4129304.8	0.011	0.011	0.009	0.03166
595127.17	4129285.77	0.011	0.011	0.009	0.03152
595175.91	4129334.39	0.010	0.009	0.008	0.02696

595255.03	4129366.62	0.009	0.008	0.007	0.02391
595237.46	4129351.56	0.009	0.009	0.007	0.02497
595439.07	4129389.95	0.008	0.009	0.008	0.02462
595452.9	4129402.76	0.008	0.009	0.008	0.02440
595371.16	4129439.36	0.007	0.007	0.006	0.01907
595393.46	4129414.88	0.007	0.007	0.006	0.02028
595476.63	4129434.13	0.007	0.008	0.007	0.02230
595458.53	4129407.98	0.008	0.009	0.007	0.02423
595408.18	4129350.58	0.009	0.010	0.008	0.02714
595257.99	4129067.54	0.016	0.016	0.014	0.04568
595306.54	4129122.59	0.013	0.014	0.011	0.03802
595319.82	4129140.23	0.012	0.013	0.011	0.03648
595240.41	4129023.07	0.018	0.018	0.015	0.05057
595247.31	4128986.52	0.019	0.019	0.016	0.05321
595252.74	4128994.2	0.018	0.018	0.015	0.05154
595192.09	4128920.73	0.027	0.026	0.022	0.07512
595175.66	4128966.77	0.025	0.024	0.021	0.06941
595088.6	4129290.76	0.012	0.011	0.010	0.03244
595148.7	4129287.07	0.011	0.011	0.009	0.03076
595164.42	4129287.86	0.011	0.011	0.009	0.03027
595198.63	4129286.27	0.011	0.010	0.009	0.02963
595196.38	4129334.89	0.009	0.009	0.008	0.02658
595235.34	4129332.77	0.009	0.009	0.008	0.02602
595444.67	4129395.56	0.008	0.009	0.008	0.02451
595365.92	4129389.11	0.008	0.008	0.006	0.02153
595379.02	4129400.34	0.007	0.007	0.006	0.02094
595382.68	4129426.61	0.007	0.007	0.006	0.01965
595488.78	4129448.63	0.007	0.008	0.007	0.02189
595466.19	4129420.63	0.008	0.008	0.007	0.02290
595393.19	4129336.56	0.009	0.010	0.009	0.02776
595247.67	4129052.75	0.017	0.017	0.014	0.04781
595290.63	4129099.2	0.014	0.014	0.012	0.04019
595327.57	4129081.99	0.013	0.013	0.011	0.03631
595203.86	4128999.19	0.021	0.021	0.018	0.05922
595219.16	4129017.83	0.019	0.019	0.016	0.05469
595229.71	4129010.52	0.019	0.019	0.016	0.05333
595160.4	4128953.08	0.027	0.026	0.022	0.07566
595191.01	4128985.43	0.022	0.022	0.019	0.06337
595341.75	4129361.55	0.008	0.008	0.007	0.02322
595319.56	4129372.12	0.008	0.008	0.007	0.02279

594823.12	4129350.69	0.019	0.018	0.016	0.05340
594840.16	4129351.18	0.018	0.018	0.015	0.05092
594856.23	4129352.15	0.017	0.017	0.014	0.04835
594950.83	4129354.09	0.013	0.012	0.010	0.03470
594967.39	4129353.6	0.012	0.011	0.010	0.03310
594983.45	4129353.6	0.011	0.011	0.009	0.03179
595001.49	4129349.66	0.011	0.011	0.009	0.03091
595044.8	4129396.91	0.009	0.009	0.008	0.02579
595075.17	4129370.37	0.010	0.009	0.008	0.02680
595126.08	4129373.64	0.009	0.009	0.008	0.02563
595243.87	4129478.68	0.007	0.007	0.006	0.01919
595274.5	4129500.59	0.006	0.006	0.005	0.01809
595213.07	4129402.68	0.008	0.008	0.007	0.02281
595265.91	4129429.75	0.007	0.007	0.006	0.02081
595301.52	4129380.53	0.008	0.008	0.007	0.02258
594793.06	4129350.42	0.021	0.020	0.017	0.05700
594809.62	4129351.39	0.020	0.019	0.016	0.05502
594871.74	4129351.88	0.017	0.016	0.013	0.04593
594886.84	4129352.36	0.016	0.015	0.013	0.04349
594901.45	4129353.81	0.015	0.014	0.012	0.04112
594919.95	4129353.33	0.014	0.013	0.011	0.03852
594937.47	4129353.33	0.013	0.013	0.011	0.03627
595042.27	4129376.58	0.010	0.009	0.008	0.02719
595074.73	4129391.99	0.009	0.009	0.007	0.02540
595196.07	4129448.03	0.008	0.007	0.006	0.02095
595231.02	4129462.96	0.007	0.007	0.006	0.01993
595258.89	4129485.88	0.007	0.007	0.006	0.01877
595214.71	4129454.65	0.007	0.007	0.006	0.02046
595234.32	4129411.58	0.008	0.008	0.007	0.02209
595295.77	4129404.2	0.008	0.008	0.006	0.02149
594782.4	4129402.99	0.018	0.017	0.015	0.05039
594801.86	4129402.51	0.018	0.017	0.014	0.04897
594867.38	4129404.44	0.015	0.014	0.012	0.04127
594932.94	4129404.03	0.012	0.011	0.010	0.03290
594916.39	4129403.8	0.013	0.012	0.010	0.03488
594980.9	4129488.37	0.009	0.008	0.007	0.02390
595042.13	4129464.29	0.008	0.008	0.006	0.02211
595043.53	4129409.85	0.009	0.009	0.007	0.02503
595075.74	4129409.01	0.009	0.008	0.007	0.02433
595120.42	4129478.92	0.007	0.007	0.006	0.02018

595156.71	4129400.4	0.008	0.008	0.007	0.02368
595177.02	4129399.64	0.008	0.008	0.007	0.02346
595196.66	4129400.39	0.008	0.008	0.007	0.02315
595250.73	4129418.85	0.008	0.008	0.006	0.02153
595313	4129420.08	0.007	0.007	0.006	0.02033
594781.91	4129437.14	0.017	0.016	0.014	0.04628
594830.95	4129407.57	0.016	0.016	0.013	0.04549
594849.93	4129403.69	0.016	0.015	0.013	0.04362
594816.55	4129402.72	0.017	0.016	0.014	0.04757
594883.03	4129407.57	0.014	0.013	0.011	0.03891
594981.08	4129408.19	0.010	0.010	0.008	0.02816
595042.55	4129444.39	0.008	0.008	0.007	0.02311
595042.69	4129361.68	0.010	0.010	0.008	0.02823
595074.05	4129427.93	0.008	0.008	0.007	0.02327
595075.46	4129481.52	0.007	0.007	0.006	0.02056
595077.71	4129443.96	0.008	0.008	0.007	0.02235
595140.24	4129399.04	0.009	0.008	0.007	0.02396
595119.5	4129398.54	0.009	0.008	0.007	0.02427
595281.49	4129442.51	0.007	0.007	0.006	0.02009
595334.74	4129423.24	0.007	0.007	0.006	0.01991
594864.47	4129487.19	0.013	0.012	0.010	0.03501
594830.95	4129434.93	0.015	0.015	0.012	0.04270
594850.89	4129434.93	0.015	0.014	0.012	0.04057
594818	4129433.96	0.016	0.015	0.013	0.04403
594883.03	4129434.93	0.013	0.013	0.011	0.03672
594981.08	4129435.55	0.010	0.009	0.008	0.02655
595042.55	4129430.39	0.009	0.008	0.007	0.02387
595047.75	4129479.34	0.008	0.007	0.006	0.02124
594931.84	4129488.8	0.010	0.010	0.008	0.02795
594799.73	4129485.62	0.015	0.014	0.012	0.04040
595075.6	4129465.84	0.008	0.007	0.006	0.02129
595137.24	4129447.6	0.008	0.007	0.006	0.02151
595255.31	4129522.17	0.006	0.006	0.005	0.01753
595311.84	4129464.54	0.007	0.007	0.006	0.01888
595351.96	4129405.48	0.007	0.007	0.006	0.02066
594846.58	4129485.19	0.013	0.013	0.011	0.03690
594882.33	4129487.03	0.012	0.011	0.010	0.03318
594896.74	4129487.49	0.011	0.011	0.009	0.03162
594933.4	4129439.32	0.011	0.011	0.009	0.03055
594916.85	4129436.8	0.012	0.011	0.010	0.03253

594963.52	4129489.06	0.009	0.009	0.007	0.02514
594998.39	4129487.22	0.008	0.008	0.007	0.02287
594947.7	4129488.63	0.010	0.009	0.008	0.02649
594915.56	4129487.95	0.011	0.010	0.009	0.02962
594781	4129485.68	0.015	0.014	0.012	0.04129
595137.88	4129477.6	0.007	0.007	0.006	0.02012
595120.48	4129450.25	0.008	0.007	0.006	0.02153
595175.68	4129446.72	0.008	0.007	0.006	0.02122
595301.08	4129559.26	0.006	0.006	0.005	0.01591
594831.76	4129486.38	0.014	0.013	0.011	0.03811
595044.38	4129341.64	0.011	0.010	0.009	0.02968
594816.63	4129485.43	0.014	0.014	0.011	0.03934
595158.18	4129478.49	0.007	0.007	0.006	0.01994
595211.37	4129485.99	0.007	0.007	0.006	0.01922
595225.3	4129500.11	0.007	0.006	0.005	0.01856
595152.74	4129448.92	0.008	0.007	0.006	0.02132
595341.13	4129562.02	0.005	0.005	0.005	0.01536
595077.18	4129350.52	0.010	0.010	0.008	0.02811
595174.06	4129476.72	0.007	0.007	0.006	0.01991
595193.28	4129481.58	0.007	0.007	0.006	0.01956
595367.41	4129555.23	0.005	0.005	0.005	0.01529
595420.58	4129543.73	0.005	0.005	0.005	0.01532
595315.46	4129536.06	0.006	0.006	0.005	0.01648
595477.45	4129540.62	0.005	0.005	0.005	0.01534
595396.15	4129564.98	0.005	0.005	0.004	0.01482
595353.82	4129526.46	0.006	0.006	0.005	0.01627
595394.78	4129535.18	0.006	0.005	0.005	0.01566
595330.8	4129498.57	0.006	0.006	0.005	0.01751
595475.42	4129559.86	0.005	0.005	0.004	0.01465
595419.83	4129565.95	0.005	0.005	0.004	0.01469
595392.86	4129507.11	0.006	0.006	0.005	0.01652
595417.79	4129513.03	0.006	0.006	0.005	0.01629
595360.09	4129499.09	0.006	0.006	0.005	0.01707
594801.31	4129435.64	0.016	0.016	0.013	0.04522
594867.73	4129437.09	0.014	0.013	0.011	0.03841
594899.24	4129405.96	0.013	0.013	0.011	0.03690
594899.24	4129433.32	0.013	0.012	0.010	0.03485
594965.89	4129410.32	0.011	0.010	0.009	0.02921
594965.89	4129437.68	0.010	0.010	0.008	0.02758
594949.1	4129408.18	0.011	0.011	0.009	0.03090



594949.1	4129435.54	0.011	0.010	0.009	0.02919
594123.36	4128193.08	0.005	0.005	0.005	0.01546
594125.98	4128217.36	0.006	0.006	0.005	0.01642
594125.98	4128234.55	0.006	0.006	0.005	0.01720
594154.37	4128235.67	0.006	0.006	0.005	0.01759
594155.86	4128216.99	0.006	0.006	0.005	0.01674
594156.23	4128199.06	0.006	0.006	0.005	0.01603
594084.14	4128215.87	0.006	0.006	0.005	0.01588
594077.04	4128225.58	0.006	0.006	0.005	0.01622
594080.03	4128244.63	0.006	0.006	0.005	0.01712
594204.79	4128164.7	0.005	0.006	0.005	0.01557
594204.79	4128184.49	0.006	0.006	0.005	0.01604
594240.28	4128166.19	0.006	0.006	0.005	0.01589
594240.28	4128184.87	0.006	0.006	0.005	0.01638
594238.04	4128199.81	0.006	0.006	0.005	0.01689
594204.79	4128205.04	0.006	0.006	0.005	0.01677
594201.81	4128219.98	0.006	0.006	0.005	0.01738
594203.3	4128236.42	0.006	0.006	0.005	0.01822
594238.04	4128218.49	0.006	0.006	0.005	0.01771
594241.78	4128235.3	0.007	0.007	0.005	0.01862
594292.2	4128166.94	0.006	0.006	0.005	0.01618
594291.05	4128204.51	0.006	0.006	0.005	0.01751
594290.37	4128187.64	0.006	0.006	0.005	0.01681
594292.54	4128238.87	0.007	0.007	0.006	0.01938
594291.87	4128222	0.007	0.006	0.005	0.01839
594325.04	4128258.3	0.008	0.007	0.006	0.02105
594324.36	4128241.43	0.007	0.007	0.006	0.01983
594325.41	4128220.2	0.007	0.006	0.005	0.01851
594324.74	4128203.33	0.006	0.006	0.005	0.01761
594323.17	4128186.2	0.006	0.006	0.005	0.01685
594322.5	4128169.33	0.006	0.006	0.005	0.01627
594369.12	4128259.42	0.008	0.008	0.006	0.02157
594368.44	4128242.55	0.007	0.007	0.006	0.02018
594369.87	4128221.69	0.007	0.007	0.006	0.01870
594369.19	4128204.82	0.006	0.006	0.005	0.01769
594400.12	4128260.17	0.008	0.008	0.006	0.02181
594399.45	4128243.3	0.007	0.007	0.006	0.02032
594401.24	4128223.93	0.007	0.007	0.006	0.01880
594400.57	4128207.06	0.006	0.006	0.005	0.01768
594371.02	4128185.99	0.006	0.006	0.005	0.01673

594446.85	4128235.67	0.007	0.007	0.006	0.01944
594448.34	4128259.58	0.008	0.008	0.006	0.02161
594465.15	4128255.84	0.008	0.007	0.006	0.02112
594239.44	4128279.33	0.008	0.007	0.006	0.02146
594237.57	4128294.65	0.008	0.008	0.007	0.02263
594237.94	4128312.58	0.009	0.008	0.007	0.02417
594237.19	4128327.52	0.009	0.009	0.007	0.02555
594202.73	4128279.8	0.007	0.007	0.006	0.02089
594200.87	4128295.12	0.008	0.008	0.006	0.02198
594201.24	4128313.05	0.008	0.008	0.007	0.02342
594203.99	4128327.12	0.009	0.009	0.007	0.02468
594156.41	4128278.68	0.007	0.007	0.006	0.02008
594154.54	4128294	0.008	0.007	0.006	0.02107
594154.92	4128311.93	0.008	0.008	0.007	0.02234
594154.17	4128326.87	0.008	0.008	0.007	0.02345
594116.44	4128279.8	0.007	0.007	0.006	0.01951
594114.57	4128295.12	0.007	0.007	0.006	0.02041
594114.95	4128313.05	0.008	0.007	0.006	0.02157
594114.2	4128327.99	0.008	0.008	0.007	0.02256
594283.66	4128296.51	0.008	0.008	0.007	0.02365
594283.68	4128309.94	0.009	0.009	0.007	0.02492
594282.98	4128324.63	0.009	0.009	0.008	0.02641
594282.23	4128339.57	0.010	0.010	0.008	0.02807
594326.57	4128303.53	0.009	0.009	0.007	0.02517
594283.41	4128281.6	0.008	0.008	0.007	0.02235
594326.97	4128334.89	0.010	0.010	0.008	0.02882
594313.27	4128335.25	0.010	0.010	0.008	0.02847
594357.93	4128334.55	0.011	0.010	0.009	0.02962
594344.23	4128334.92	0.011	0.010	0.009	0.02930
594325.72	4128356.04	0.011	0.011	0.009	0.03162
594312.02	4128356.41	0.011	0.011	0.009	0.03118
594356.68	4128355.7	0.012	0.011	0.010	0.03264
594342.98	4128356.07	0.012	0.011	0.009	0.03223
594385.1	4128356.31	0.012	0.012	0.010	0.03370
594371.39	4128356.68	0.012	0.012	0.010	0.03329
594416.06	4128355.97	0.012	0.012	0.010	0.03464
594402.36	4128356.34	0.012	0.012	0.010	0.03428
594385.37	4128334.99	0.011	0.011	0.009	0.03037
594371.66	4128335.36	0.011	0.010	0.009	0.03008
594416.33	4128334.65	0.011	0.011	0.009	0.03102

594402.63	4128335.02	0.011	0.011	0.009	0.03078
594430.03	4128355.38	0.013	0.012	0.010	0.03494
594430.3	4128334.06	0.011	0.011	0.009	0.03119
594339.75	4128303.14	0.009	0.009	0.007	0.02539
594352.16	4128303.71	0.009	0.009	0.008	0.02570
594312.76	4128303.7	0.009	0.009	0.007	0.02491
594380.47	4128302.9	0.009	0.009	0.008	0.02609
594393.65	4128302.51	0.009	0.009	0.008	0.02623
594412.26	4128302.54	0.009	0.009	0.008	0.02645
594366.66	4128303.06	0.009	0.009	0.008	0.02588
594427.77	4128304.53	0.010	0.009	0.008	0.02682
594441.74	4128303.94	0.010	0.009	0.008	0.02682
594455.26	4128305.32	0.010	0.009	0.008	0.02706
594473.08	4128305.05	0.010	0.009	0.008	0.02704
594074.7	4128261.48	0.006	0.006	0.005	0.01788
594070.34	4128276.85	0.007	0.006	0.005	0.01862
594070.34	4128295.44	0.007	0.007	0.006	0.01963
594028.36	4128311.96	0.007	0.007	0.006	0.01968
594051.3	4128317.92	0.007	0.007	0.006	0.02049
594068.96	4128323.43	0.008	0.007	0.006	0.02120
594715.3	4128299.81	0.033	0.034	0.028	0.09485
594727.32	4128298.74	0.036	0.036	0.030	0.10137
594740.08	4128298.51	0.040	0.039	0.033	0.11174
594753.54	4128298.74	0.045	0.044	0.037	0.12573
594739.71	4128353.69	0.066	0.064	0.054	0.18355
594752.48	4128353.46	0.075	0.072	0.061	0.20755
594765.93	4128353.69	0.085	0.082	0.069	0.23523
594773.9	4128358.74	0.094	0.090	0.076	0.26072
594786.67	4128358.51	0.106	0.101	0.085	0.29224
594800.12	4128358.74	0.117	0.112	0.094	0.32298
594812.29	4128360.84	0.129	0.123	0.104	0.35606
594825.75	4128361.07	0.139	0.132	0.112	0.38326
594845.57	4128365.89	0.159	0.151	0.128	0.43769
594859.02	4128366.12	0.167	0.159	0.134	0.45994
594803.25	4128299.49	0.069	0.066	0.056	0.19016
594801.87	4128326.74	0.087	0.083	0.070	0.23951
594801.87	4128339.3	0.097	0.093	0.079	0.26947
594803.02	4128311.25	0.076	0.073	0.061	0.21006
594790.8	4128341.22	0.092	0.088	0.074	0.25386
594823.23	4128330.04	0.102	0.097	0.082	0.28141

594823.23	4128342.6	0.115	0.109	0.092	0.31633
594824.38	4128314.55	0.089	0.085	0.072	0.24663
594860.1	4128325.99	0.117	0.112	0.094	0.32296
594859.41	4128341.54	0.134	0.127	0.108	0.36851
594847.25	4128321.72	0.107	0.102	0.086	0.29472
594880.14	4128351.38	0.156	0.149	0.126	0.43137
594880.14	4128363.94	0.174	0.166	0.141	0.48121
594881.28	4128335.89	0.138	0.131	0.111	0.37963
594881.09	4128322.58	0.123	0.117	0.099	0.33993
594882.24	4128307.09	0.109	0.104	0.088	0.30161
594853.17	4128299.79	0.091	0.087	0.074	0.25271
594841.78	4128299.58	0.086	0.083	0.070	0.23870
594864.69	4128299.69	0.096	0.092	0.078	0.26571
594914.48	4128370.74	0.198	0.189	0.160	0.54702
594914.48	4128383.3	0.220	0.209	0.177	0.60644
594914.02	4128355.68	0.175	0.167	0.141	0.48390
594914.94	4128341.45	0.157	0.150	0.126	0.43289
594915.4	4128328.83	0.142	0.136	0.115	0.39273
594910.81	4128299.69	0.113	0.108	0.091	0.31133
594924.35	4128299.46	0.117	0.111	0.094	0.32148
594938.8	4128299.69	0.120	0.115	0.097	0.33205
594950.97	4128303.13	0.126	0.120	0.101	0.34751
594742.21	4128451.06	0.246	0.235	0.198	0.67905
594756.79	4128451.81	0.288	0.274	0.232	0.79395
594772.85	4128452.93	0.329	0.314	0.265	0.90796
594792.28	4128453.67	0.366	0.349	0.295	1.01053
594806.11	4128453.67	0.384	0.365	0.309	1.05760
594821.43	4128454.05	0.398	0.379	0.321	1.09835
594842.36	4128455.92	0.417	0.397	0.336	1.15064
594855.81	4128461.15	0.445	0.424	0.358	1.22676
594871.87	4128467.5	0.471	0.448	0.379	1.29760
594804.99	4128494.4	0.694	0.661	0.559	1.91408
594814.7	4128487.3	0.622	0.592	0.501	1.71533
594826.29	4128476.84	0.539	0.513	0.433	1.48522
594829.65	4128505.61	0.769	0.732	0.619	2.12017
594841.23	4128496.65	0.674	0.642	0.542	1.85824
594854.69	4128486.18	0.586	0.557	0.471	1.61453
594890.82	4128577.25	1.122	1.068	0.902	3.09208
594902.32	4128588.75	1.122	1.068	0.903	3.09282
594913.18	4128600.89	1.116	1.062	0.898	3.07571

594902.06	4128562.56	0.949	0.903	0.763	2.61436
594913.57	4128574.06	0.954	0.908	0.768	2.63004
594924.43	4128586.2	0.954	0.908	0.767	2.62984
594943.24	4128641.96	1.032	0.982	0.830	2.84363
594916.1	4128666.97	1.468	1.397	1.181	4.04597
594927.17	4128654.17	1.249	1.189	1.005	3.44229
594957.7	4128630.49	0.883	0.840	0.710	2.43332
594964.69	4128642.88	0.849	0.807	0.682	2.33835
594977.71	4128652.73	0.756	0.719	0.608	2.08221
594970.41	4128622.55	0.782	0.744	0.629	2.15434
594981.84	4128615.88	0.706	0.672	0.568	1.94527
594988.83	4128606.35	0.658	0.626	0.529	1.81418
594988.51	4128641.61	0.685	0.652	0.551	1.88799
595001.53	4128630.49	0.613	0.583	0.493	1.68953
594813.87	4128831.08	0.402	0.383	0.324	1.10916
594828.18	4128830.83	0.364	0.346	0.293	1.00255
594852.69	4128831.18	0.294	0.280	0.236	0.80994
594610.06	4128785.72	0.562	0.534	0.452	1.54800
594592.81	4128786.36	0.474	0.450	0.381	1.30474
594611.14	4128819.74	0.504	0.479	0.405	1.38815
594589.57	4128819.84	0.424	0.403	0.341	1.16838
594588.48	4128835.99	0.392	0.373	0.316	1.08119
594612.24	4128836.53	0.459	0.437	0.369	1.26432
594574.44	4128791.98	0.399	0.380	0.321	1.09935
594577.14	4128779.29	0.412	0.392	0.331	1.13402
594550.94	4128790.9	0.329	0.313	0.264	0.90570
594557.96	4128779.56	0.348	0.331	0.280	0.95923
594537.98	4128785.23	0.297	0.282	0.238	0.81723
594527.72	4128780.37	0.273	0.260	0.220	0.75266
594571.47	4128835.72	0.351	0.334	0.282	0.96625
594554.99	4128827.89	0.322	0.306	0.259	0.88642
594540.68	4128821.41	0.296	0.281	0.238	0.81470
594521.24	4128816.28	0.261	0.248	0.210	0.71807
594500.45	4128816.01	0.227	0.216	0.183	0.62583
594482.9	4128816.01	0.203	0.193	0.163	0.55955
594512.33	4128784.69	0.244	0.233	0.197	0.67337
594518.81	4128769.84	0.252	0.240	0.203	0.69465
594490.46	4128781.18	0.208	0.198	0.168	0.57407
594463.46	4128816.55	0.180	0.171	0.145	0.49651
594474.8	4128788.2	0.189	0.180	0.152	0.52108

594569.94	4128717.94	0.348	0.331	0.280	0.95777
594576.93	4128700.78	0.350	0.333	0.282	0.96531
594562.95	4128701.42	0.306	0.291	0.246	0.84262
594567.4	4128690.62	0.305	0.290	0.245	0.84020
594569.3	4128677.59	0.292	0.278	0.235	0.80407
594651.12	4128634.24	0.666	0.634	0.536	1.83692
594638.83	4128633.85	0.539	0.513	0.434	1.48639
594618.73	4128637.95	0.411	0.391	0.331	1.13302
594599.61	4128635.02	0.314	0.299	0.253	0.86650
594577.18	4128634.44	0.242	0.231	0.195	0.66743
594557.86	4128635.02	0.199	0.190	0.160	0.54969
594542.45	4128643.61	0.183	0.175	0.148	0.50540
594541.86	4128632.1	0.168	0.160	0.135	0.46280
594531.43	4128643.7	0.166	0.158	0.134	0.45861
594530.84	4128632.19	0.152	0.145	0.123	0.42019
594540.11	4128655.31	0.194	0.185	0.156	0.53477
594518.69	4128738.15	0.235	0.224	0.189	0.64834
594499.87	4128737.46	0.203	0.193	0.163	0.55879
594472.79	4128739.52	0.167	0.159	0.135	0.46145
594513.64	4128720.93	0.214	0.203	0.172	0.58915
594512.27	4128702.11	0.196	0.187	0.158	0.54075
594510.66	4128692.01	0.185	0.176	0.149	0.50974
594477.61	4128716.57	0.160	0.152	0.129	0.44059
594478.52	4128700.28	0.150	0.143	0.121	0.41413
594478.75	4128690.18	0.144	0.137	0.116	0.39570
594477.26	4128678.47	0.134	0.127	0.108	0.36895
594477.49	4128668.37	0.127	0.121	0.102	0.34960
594512.95	4128634.86	0.134	0.128	0.108	0.36950
594493.21	4128634.4	0.115	0.109	0.092	0.31644
594479.9	4128636.24	0.106	0.101	0.085	0.29101
594520.41	4128546.93	0.065	0.062	0.053	0.18064
594506.37	4128547.06	0.061	0.058	0.049	0.16707
594490.43	4128547.26	0.056	0.053	0.045	0.15381
594543.41	4128516.78	0.054	0.052	0.044	0.14985
594528.11	4128515.67	0.050	0.048	0.040	0.13794
594514.07	4128515.8	0.047	0.045	0.038	0.12980
594498.14	4128516.01	0.044	0.042	0.036	0.12158
594521.34	4128494.93	0.040	0.038	0.032	0.10991
594492.14	4128494.79	0.036	0.034	0.029	0.09933
594507.26	4128495.18	0.038	0.036	0.031	0.10495

594596.96	4128603.83	0.233	0.222	0.188	0.64352
594597.02	4128588.09	0.198	0.189	0.159	0.54608
594576.88	4128589.98	0.162	0.154	0.130	0.44595
594553.64	4128588.55	0.128	0.122	0.103	0.35246
594538.01	4128588.04	0.111	0.106	0.090	0.30729
594516.04	4128591.11	0.096	0.092	0.078	0.26594
594513.59	4128574.71	0.082	0.078	0.066	0.22535
594493.57	4128590.27	0.082	0.078	0.066	0.22585
594760.51	4128824.14	0.642	0.611	0.516	1.76847
594520.63	4128867.68	0.234	0.222	0.188	0.64430
594503.08	4128867.68	0.214	0.203	0.172	0.58915
594483.64	4128868.22	0.193	0.184	0.156	0.53315
594520.63	4128893.02	0.213	0.203	0.172	0.58809
594503.08	4128893.02	0.198	0.188	0.159	0.54588
594483.64	4128893.56	0.182	0.173	0.146	0.50106
594463.73	4128893.02	0.167	0.159	0.134	0.45996
594468.42	4128866.12	0.180	0.171	0.145	0.49553
594565.38	4128882.18	0.271	0.258	0.218	0.74709
594561.5	4128916.3	0.219	0.208	0.176	0.60275
594552.23	4128934.41	0.192	0.182	0.154	0.52816
594566.42	4128896.15	0.251	0.239	0.202	0.69157
594528.39	4128942.69	0.173	0.165	0.139	0.47719
594510.84	4128942.69	0.166	0.158	0.133	0.45644
594491.4	4128943.23	0.157	0.149	0.126	0.43141
594471.41	4128940.8	0.149	0.142	0.120	0.41006
594605.25	4128901.88	0.269	0.256	0.216	0.74156
594621.14	4128901.88	0.277	0.263	0.223	0.76255
594635.12	4128902.2	0.280	0.267	0.225	0.77203
594640.52	4128886.63	0.328	0.312	0.264	0.90357
594606.52	4128881.86	0.317	0.302	0.255	0.87331
594625.27	4128881.86	0.334	0.318	0.269	0.92023
594603.03	4128926.98	0.220	0.209	0.177	0.60581
594619.87	4128927.61	0.222	0.211	0.178	0.61041
594638.29	4128927.3	0.222	0.212	0.179	0.61305
594852.47	4128984.02	0.072	0.068	0.058	0.19772
594849.93	4128999.27	0.066	0.063	0.053	0.18271
594870.26	4128985.29	0.065	0.062	0.053	0.18004
594876.3	4129002.45	0.057	0.055	0.046	0.15867
594893.77	4129021.83	0.048	0.046	0.039	0.13239
594894.41	4129003.08	0.053	0.050	0.043	0.14546

595091.6	4128755.33	0.128	0.122	0.103	0.35282
595109.41	4128755.33	0.114	0.109	0.092	0.31424
595093.43	4128736.06	0.154	0.146	0.124	0.42378
595111.25	4128736.06	0.135	0.129	0.109	0.37363
595029.54	4128756.5	0.202	0.193	0.163	0.55768
595046.67	4128741.76	0.210	0.200	0.169	0.57847
594992.37	4128751	0.317	0.302	0.255	0.87397
595004.01	4128740.39	0.325	0.310	0.262	0.89620
595130.48	4128770.73	0.087	0.083	0.070	0.23981
595129.26	4128740.39	0.116	0.110	0.093	0.31899
595153.5	4128684.24	0.153	0.145	0.123	0.42107
595153.04	4128700.7	0.137	0.130	0.110	0.37742
595176.21	4128770.73	0.069	0.066	0.056	0.18991
595177.13	4128794.07	0.057	0.054	0.046	0.15746
595158.31	4128805.34	0.057	0.054	0.046	0.15649
595152.35	4128779.19	0.072	0.069	0.058	0.19887
595180.8	4128815.43	0.048	0.046	0.039	0.13263
595204.2	4128820.02	0.043	0.041	0.034	0.11772
595140.88	4128720.46	0.127	0.121	0.103	0.35117
595166.57	4128720.46	0.108	0.103	0.087	0.29902
595172.54	4128700.27	0.121	0.116	0.098	0.33438
595195.48	4128710.82	0.098	0.094	0.079	0.27102
595189.05	4128689.72	0.118	0.112	0.095	0.32450
595204.65	4128688.34	0.108	0.103	0.087	0.29846
595195.94	4128735.6	0.082	0.078	0.066	0.22581
595175.75	4128744.32	0.085	0.081	0.069	0.23521
595202.36	4128779.64	0.057	0.054	0.046	0.15738
595203.74	4128760.37	0.065	0.062	0.053	0.18047
595216.58	4128741.56	0.071	0.067	0.057	0.19468
595217.96	4128723.67	0.079	0.076	0.064	0.21928
595219.34	4128702.56	0.091	0.087	0.073	0.25088
594850.37	4127951.3	0.012	0.012	0.010	0.03412
594852.13	4127935.04	0.012	0.011	0.009	0.03221
594898.07	4127967.2	0.016	0.015	0.013	0.04411
594931.28	4127981.33	0.019	0.018	0.016	0.05296
594934.82	4127965.79	0.018	0.017	0.015	0.05011
594899.13	4127944.23	0.014	0.014	0.012	0.04019
594898.78	4127930.8	0.014	0.013	0.011	0.03795
594934.46	4127945.65	0.017	0.016	0.013	0.04595
594928.81	4127927.62	0.015	0.015	0.012	0.04185



595340	4129093.59	0.012	0.012	0.010	0.03469
595349.49	4129109.17	0.012	0.012	0.010	0.03329
595373.19	4129128.81	0.011	0.011	0.009	0.03078
595405.7	4129155.9	0.010	0.010	0.008	0.02777
594828.06	4129208.24	0.029	0.028	0.023	0.08005
594853.46	4129207.91	0.027	0.025	0.021	0.07325
594825.42	4129228.03	0.027	0.026	0.022	0.07565
594850.82	4129227.7	0.025	0.024	0.020	0.06944
594827.4	4129248.81	0.025	0.024	0.021	0.07041
594852.8	4129248.48	0.023	0.022	0.019	0.06471
594896.99	4129195.71	0.023	0.022	0.019	0.06459
594922.38	4129195.38	0.021	0.020	0.017	0.05902
594891.71	4129220.12	0.022	0.021	0.018	0.06099
594917.11	4129219.79	0.020	0.019	0.016	0.05565
594891.71	4129241.88	0.021	0.020	0.017	0.05711
594917.11	4129241.55	0.019	0.018	0.015	0.05213
594893.69	4129262.33	0.019	0.018	0.016	0.05346
594919.09	4129262	0.018	0.017	0.014	0.04881
594893.36	4129285.74	0.018	0.017	0.015	0.05021
594918.76	4129285.41	0.017	0.016	0.013	0.04582
594825.75	4129273.54	0.024	0.023	0.019	0.06567
594851.15	4129273.21	0.022	0.021	0.018	0.06058
594828.06	4129297.28	0.022	0.021	0.018	0.06090
594853.46	4129296.95	0.020	0.019	0.016	0.05626
595429.03	4129137.08	0.009	0.009	0.008	0.02696
595398.56	4129118.5	0.010	0.010	0.009	0.02940
595323.48	4128976.53	0.016	0.016	0.013	0.04496
595337.6	4128998.08	0.015	0.014	0.012	0.04144
595353.21	4129028.56	0.013	0.013	0.011	0.03759
594282.32	4128355.01	0.011	0.010	0.009	0.02994
594281.57	4128369.95	0.011	0.011	0.009	0.03186
594237.72	4128344.51	0.010	0.009	0.008	0.02728
594236.97	4128359.46	0.010	0.010	0.008	0.02888
594240.34	4128380.37	0.011	0.011	0.009	0.03146
594239.59	4128395.32	0.012	0.012	0.010	0.03333
594227.72	4128414.08	0.013	0.012	0.010	0.03518
595154.49	4128556.43	0.231	0.220	0.186	0.63760
595544.9	4129513.26	0.006	0.007	0.006	0.01901
595560.09	4129522.66	0.006	0.007	0.006	0.01900
595546.35	4129534.23	0.006	0.006	0.005	0.01652

595565.51	4129536.76	0.006	0.006	0.005	0.01693
595570.93	4129559.54	0.005	0.005	0.004	0.01441
595545.62	4129557.37	0.005	0.005	0.004	0.01467

# 1410 South Bascom Avenue Project

Unmitigated

## Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

Cancer Potency Factor: 1.1 (mg/kg-day)<sup>-1</sup>  
Exposure Frequency 350 days/year  
Averaging Period 25550 days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) <sup>-1</sup>
1	1	1	261	0.73	0.59	1.7
2	1	1	261	0.73	1	2.9
3	1	1	261	0.73	0.87	2.5

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**No Mitigation at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM - Adult Receptors**

X (m)	Y (m)	Adult Cancer	Adult Cancer	Adult Cancer	Total Cancer Risk (/million)	Maximum Cancer Risk 1.0 BAAQMD threshold of significance 10 Exceed thresholds? No
		Risk (year 1) 2020 (/million)	Risk (year 2) 2021 (/million)	Risk (year 3) 2022 (/million)		
593913.11	4129158.33	0.004	0.005	0.003	0.01239	
593960.92	4129158.33	0.005	0.005	0.004	0.01355	
594008.73	4129158.33	0.005	0.006	0.004	0.01483	
594056.54	4129158.33	0.006	0.006	0.005	0.01622	
594104.35	4129158.33	0.006	0.007	0.005	0.01770	
594152.16	4129158.33	0.007	0.007	0.005	0.01925	
594199.97	4129158.33	0.007	0.008	0.006	0.02083	
594247.78	4129158.33	0.008	0.008	0.006	0.02235	
594295.59	4129158.33	0.008	0.009	0.007	0.02373	
594343.4	4129158.33	0.009	0.009	0.007	0.02485	
594391.21	4129158.33	0.009	0.010	0.007	0.02559	
594439.02	4129158.33	0.009	0.010	0.007	0.02588	
594486.83	4129158.33	0.009	0.010	0.007	0.02571	
594534.64	4129158.33	0.009	0.009	0.007	0.02506	
594582.45	4129158.33	0.008	0.009	0.007	0.02390	
594630.26	4129158.33	0.008	0.008	0.006	0.02240	
593913.11	4129192.59	0.004	0.005	0.003	0.01218	
593960.92	4129192.59	0.005	0.005	0.004	0.01324	
594008.73	4129192.59	0.005	0.005	0.004	0.01439	
594056.54	4129192.59	0.005	0.006	0.004	0.01561	
594104.35	4129192.59	0.006	0.006	0.005	0.01688	
594152.16	4129192.59	0.006	0.007	0.005	0.01817	
594199.97	4129192.59	0.007	0.007	0.005	0.01942	
594247.78	4129192.59	0.007	0.008	0.006	0.02057	
594295.59	4129192.59	0.007	0.008	0.006	0.02153	
594343.4	4129192.59	0.008	0.008	0.006	0.02222	
594391.21	4129192.59	0.008	0.009	0.006	0.02258	
594439.02	4129192.59	0.008	0.009	0.006	0.02258	
594486.83	4129192.59	0.008	0.008	0.006	0.02223	
594534.64	4129192.59	0.007	0.008	0.006	0.02153	
594582.45	4129192.59	0.007	0.008	0.006	0.02048	

594630.26	4129192.59	0.007	0.007	0.005	0.01922
593913.11	4129226.85	0.004	0.004	0.003	0.01191
593960.92	4129226.85	0.004	0.005	0.004	0.01287
594008.73	4129226.85	0.005	0.005	0.004	0.01388
594056.54	4129226.85	0.005	0.006	0.004	0.01493
594104.35	4129226.85	0.006	0.006	0.004	0.01601
594152.16	4129226.85	0.006	0.006	0.005	0.01705
594199.97	4129226.85	0.006	0.007	0.005	0.01802
594247.78	4129226.85	0.007	0.007	0.005	0.01885
594295.59	4129226.85	0.007	0.007	0.005	0.01948
594343.4	4129226.85	0.007	0.007	0.006	0.01985
594391.21	4129226.85	0.007	0.008	0.006	0.01996
594439.02	4129226.85	0.007	0.007	0.005	0.01979
594486.83	4129226.85	0.007	0.007	0.005	0.01937
594534.64	4129226.85	0.006	0.007	0.005	0.01869
594582.45	4129226.85	0.006	0.007	0.005	0.01774
594630.26	4129226.85	0.006	0.006	0.005	0.01666
593913.11	4129261.11	0.004	0.004	0.003	0.01158
593960.92	4129261.11	0.004	0.005	0.003	0.01244
594008.73	4129261.11	0.005	0.005	0.004	0.01332
594056.54	4129261.11	0.005	0.005	0.004	0.01422
594104.35	4129261.11	0.005	0.006	0.004	0.01510
594152.16	4129261.11	0.005	0.006	0.004	0.01593
594199.97	4129261.11	0.006	0.006	0.005	0.01666
594247.78	4129261.11	0.006	0.007	0.005	0.01723
594295.59	4129261.11	0.006	0.007	0.005	0.01760
594343.4	4129261.11	0.006	0.007	0.005	0.01775
594391.21	4129261.11	0.006	0.007	0.005	0.01769
594439.02	4129261.11	0.006	0.007	0.005	0.01744
594486.83	4129261.11	0.006	0.006	0.005	0.01700
594534.64	4129261.11	0.006	0.006	0.005	0.01637
594582.45	4129261.11	0.005	0.006	0.004	0.01552
594630.26	4129261.11	0.005	0.006	0.004	0.01458
593913.11	4129295.37	0.004	0.004	0.003	0.01122
593960.92	4129295.37	0.004	0.005	0.003	0.01197
594008.73	4129295.37	0.004	0.005	0.004	0.01273
594056.54	4129295.37	0.005	0.005	0.004	0.01349
594104.35	4129295.37	0.005	0.005	0.004	0.01420
594152.16	4129295.37	0.005	0.006	0.004	0.01483
594199.97	4129295.37	0.005	0.006	0.004	0.01535

594247.78	4129295.37	0.005	0.006	0.004	0.01571
594295.59	4129295.37	0.005	0.006	0.004	0.01589
594343.4	4129295.37	0.005	0.006	0.004	0.01590
594391.21	4129295.37	0.005	0.006	0.004	0.01575
594439.02	4129295.37	0.005	0.006	0.004	0.01546
594486.83	4129295.37	0.005	0.006	0.004	0.01503
594534.64	4129295.37	0.005	0.005	0.004	0.01445
594582.45	4129295.37	0.005	0.005	0.004	0.01369
594630.26	4129295.37	0.004	0.005	0.004	0.01288
593913.11	4129329.63	0.004	0.004	0.003	0.01082
593960.92	4129329.63	0.004	0.004	0.003	0.01148
594008.73	4129329.63	0.004	0.005	0.003	0.01212
594056.54	4129329.63	0.004	0.005	0.004	0.01274
594104.35	4129329.63	0.005	0.005	0.004	0.01330
594152.16	4129329.63	0.005	0.005	0.004	0.01376
594199.97	4129329.63	0.005	0.005	0.004	0.01411
594247.78	4129329.63	0.005	0.005	0.004	0.01431
594295.59	4129329.63	0.005	0.005	0.004	0.01437
594343.4	4129329.63	0.005	0.005	0.004	0.01428
594391.21	4129329.63	0.005	0.005	0.004	0.01408
594439.02	4129329.63	0.005	0.005	0.004	0.01379
594486.83	4129329.63	0.005	0.005	0.004	0.01339
594534.64	4129329.63	0.004	0.005	0.004	0.01285
594582.45	4129329.63	0.004	0.005	0.003	0.01217
594630.26	4129329.63	0.004	0.004	0.003	0.01147
593913.11	4129363.89	0.004	0.004	0.003	0.01041
593960.92	4129363.89	0.004	0.004	0.003	0.01097
594008.73	4129363.89	0.004	0.004	0.003	0.01151
594056.54	4129363.89	0.004	0.005	0.003	0.01200
594104.35	4129363.89	0.004	0.005	0.003	0.01242
594152.16	4129363.89	0.004	0.005	0.004	0.01274
594199.97	4129363.89	0.004	0.005	0.004	0.01295
594247.78	4129363.89	0.004	0.005	0.004	0.01304
594295.59	4129363.89	0.004	0.005	0.004	0.01300
594343.4	4129363.89	0.004	0.005	0.004	0.01286
594391.21	4129363.89	0.004	0.005	0.004	0.01265
594439.02	4129363.89	0.004	0.005	0.003	0.01236
594486.83	4129363.89	0.004	0.005	0.003	0.01199
594534.64	4129363.89	0.004	0.004	0.003	0.01149
594582.45	4129363.89	0.004	0.004	0.003	0.01088

594630.26	4129363.89	0.004	0.004	0.003	0.01027
593913.11	4129398.15	0.003	0.004	0.003	0.00998
593960.92	4129398.15	0.004	0.004	0.003	0.01045
594008.73	4129398.15	0.004	0.004	0.003	0.01089
594056.54	4129398.15	0.004	0.004	0.003	0.01127
594104.35	4129398.15	0.004	0.004	0.003	0.01157
594152.16	4129398.15	0.004	0.004	0.003	0.01179
594199.97	4129398.15	0.004	0.004	0.003	0.01189
594247.78	4129398.15	0.004	0.004	0.003	0.01189
594295.59	4129398.15	0.004	0.004	0.003	0.01180
594343.4	4129398.15	0.004	0.004	0.003	0.01163
594391.21	4129398.15	0.004	0.004	0.003	0.01142
594439.02	4129398.15	0.004	0.004	0.003	0.01115
594486.83	4129398.15	0.004	0.004	0.003	0.01081
594534.64	4129398.15	0.004	0.004	0.003	0.01035
594582.45	4129398.15	0.003	0.004	0.003	0.00980
594630.26	4129398.15	0.003	0.003	0.003	0.00926
593913.11	4129432.41	0.003	0.004	0.003	0.00954
593960.92	4129432.41	0.003	0.004	0.003	0.00993
594008.73	4129432.41	0.004	0.004	0.003	0.01028
594056.54	4129432.41	0.004	0.004	0.003	0.01056
594104.35	4129432.41	0.004	0.004	0.003	0.01077
594152.16	4129432.41	0.004	0.004	0.003	0.01088
594199.97	4129432.41	0.004	0.004	0.003	0.01091
594247.78	4129432.41	0.004	0.004	0.003	0.01085
594295.59	4129432.41	0.004	0.004	0.003	0.01073
594343.4	4129432.41	0.004	0.004	0.003	0.01056
594391.21	4129432.41	0.004	0.004	0.003	0.01036
594439.02	4129432.41	0.003	0.004	0.003	0.01011
594486.83	4129432.41	0.003	0.004	0.003	0.00979
594534.64	4129432.41	0.003	0.004	0.003	0.00936
594582.45	4129432.41	0.003	0.003	0.002	0.00886
594630.26	4129432.41	0.003	0.003	0.002	0.00839
593913.11	4129466.67	0.003	0.003	0.003	0.00910
593960.92	4129466.67	0.003	0.004	0.003	0.00941
594008.73	4129466.67	0.003	0.004	0.003	0.00968
594056.54	4129466.67	0.003	0.004	0.003	0.00988
594104.35	4129466.67	0.003	0.004	0.003	0.01000
594152.16	4129466.67	0.003	0.004	0.003	0.01005
594199.97	4129466.67	0.003	0.004	0.003	0.01002

594247.78	4129466.67	0.003	0.004	0.003	0.00993
594295.59	4129466.67	0.003	0.004	0.003	0.00980
594343.4	4129466.67	0.003	0.004	0.003	0.00963
594391.21	4129466.67	0.003	0.004	0.003	0.00944
594439.02	4129466.67	0.003	0.003	0.003	0.00921
594486.83	4129466.67	0.003	0.003	0.002	0.00891
594534.64	4129466.67	0.003	0.003	0.002	0.00851
594582.45	4129466.67	0.003	0.003	0.002	0.00806
594630.26	4129466.67	0.003	0.003	0.002	0.00764
594331.14	4128962.5	0.014	0.015	0.011	0.04003
594357.05	4128962.5	0.015	0.016	0.012	0.04352
594382.96	4128962.5	0.016	0.018	0.013	0.04726
594408.87	4128962.5	0.018	0.019	0.014	0.05122
594434.78	4128962.5	0.019	0.021	0.015	0.05533
594460.69	4128962.5	0.021	0.022	0.017	0.05951
594486.6	4128962.5	0.022	0.024	0.018	0.06362
594331.14	4129004.55	0.013	0.014	0.010	0.03721
594357.05	4129004.55	0.014	0.015	0.011	0.03984
594382.96	4129004.55	0.015	0.016	0.012	0.04253
594408.87	4129004.55	0.016	0.017	0.013	0.04525
594434.78	4129004.55	0.017	0.018	0.013	0.04789
594460.69	4129004.55	0.017	0.019	0.014	0.05037
594486.6	4129004.55	0.018	0.020	0.015	0.05258
594331.14	4129046.6	0.012	0.013	0.009	0.03382
594357.05	4129046.6	0.012	0.013	0.010	0.03568
594382.96	4129046.6	0.013	0.014	0.010	0.03750
594408.87	4129046.6	0.014	0.015	0.011	0.03920
594434.78	4129046.6	0.014	0.015	0.011	0.04074
594460.69	4129046.6	0.015	0.016	0.012	0.04205
594486.6	4129046.6	0.015	0.016	0.012	0.04307
594331.14	4129088.65	0.010	0.011	0.008	0.03025
594357.05	4129088.65	0.011	0.012	0.009	0.03149
594382.96	4129088.65	0.011	0.012	0.009	0.03261
594408.87	4129088.65	0.012	0.013	0.009	0.03358
594434.78	4129088.65	0.012	0.013	0.010	0.03438
594460.69	4129088.65	0.012	0.013	0.010	0.03495
594486.6	4129088.65	0.012	0.013	0.010	0.03528
594331.14	4129130.7	0.009	0.010	0.007	0.02676
594357.05	4129130.7	0.009	0.010	0.008	0.02751
594382.96	4129130.7	0.010	0.011	0.008	0.02814



594408.87	4129130.7	0.010	0.011	0.008	0.02862
594434.78	4129130.7	0.010	0.011	0.008	0.02894
594460.69	4129130.7	0.010	0.011	0.008	0.02909
594486.6	4129130.7	0.010	0.011	0.008	0.02906
595047.1	4127721.65	0.002	0.002	0.001	0.00457
595080.55	4127721.65	0.002	0.002	0.001	0.00497
595047.1	4127745.31	0.002	0.002	0.001	0.00495
595080.55	4127745.31	0.002	0.002	0.001	0.00537
595047.1	4127768.97	0.002	0.002	0.001	0.00535
595080.55	4127768.97	0.002	0.002	0.002	0.00580
595047.1	4127792.63	0.002	0.002	0.002	0.00580
595080.55	4127792.63	0.002	0.002	0.002	0.00630
595047.1	4127816.29	0.002	0.002	0.002	0.00632
595080.55	4127816.29	0.002	0.003	0.002	0.00685
595047.1	4127839.95	0.002	0.003	0.002	0.00688
595080.55	4127839.95	0.003	0.003	0.002	0.00747
595047.1	4127863.61	0.003	0.003	0.002	0.00752
595080.55	4127863.61	0.003	0.003	0.002	0.00817
595047.1	4127887.27	0.003	0.003	0.002	0.00824
595080.55	4127887.27	0.003	0.003	0.002	0.00893
595047.1	4127910.93	0.003	0.003	0.003	0.00905
595080.55	4127910.93	0.003	0.004	0.003	0.00980
595047.1	4127934.59	0.003	0.004	0.003	0.00997
595080.55	4127934.59	0.004	0.004	0.003	0.01077
595047.1	4127958.25	0.004	0.004	0.003	0.01100
595080.55	4127958.25	0.004	0.004	0.003	0.01185
595047.1	4127981.91	0.004	0.005	0.003	0.01216
595080.55	4127981.91	0.004	0.005	0.004	0.01307
595047.1	4128005.57	0.005	0.005	0.004	0.01348
595080.55	4128005.57	0.005	0.005	0.004	0.01445
595047.1	4128029.23	0.005	0.006	0.004	0.01498
595080.55	4128029.23	0.006	0.006	0.004	0.01601
595047.1	4128052.89	0.006	0.006	0.005	0.01669
595080.55	4128052.89	0.006	0.007	0.005	0.01778
594886.23	4127719.27	0.001	0.001	0.001	0.00283
594950.74	4127719.27	0.001	0.001	0.001	0.00346
594886.23	4127747.71	0.001	0.001	0.001	0.00308
594950.74	4127747.71	0.001	0.001	0.001	0.00379
594886.23	4127776.15	0.001	0.001	0.001	0.00336
594950.74	4127776.15	0.001	0.002	0.001	0.00416

594886.23	4127804.59	0.001	0.001	0.001	0.00370
594950.74	4127804.59	0.002	0.002	0.001	0.00459
594886.23	4127833.03	0.001	0.002	0.001	0.00407
594950.74	4127833.03	0.002	0.002	0.001	0.00508
594886.23	4127861.47	0.002	0.002	0.001	0.00451
594950.74	4127861.47	0.002	0.002	0.002	0.00563
594886.23	4127889.91	0.002	0.002	0.001	0.00501
594950.74	4127889.91	0.002	0.002	0.002	0.00629
594886.23	4127918.35	0.002	0.002	0.002	0.00559
594950.74	4127918.35	0.002	0.003	0.002	0.00704
594834.46	4127713.69	0.001	0.001	0.001	0.00233
594862.34	4127713.69	0.001	0.001	0.001	0.00256
594834.46	4127736.34	0.001	0.001	0.001	0.00248
594862.34	4127736.34	0.001	0.001	0.001	0.00274
594834.46	4127758.99	0.001	0.001	0.001	0.00265
594862.34	4127758.99	0.001	0.001	0.001	0.00294
594834.46	4127781.64	0.001	0.001	0.001	0.00285
594862.34	4127781.64	0.001	0.001	0.001	0.00315
594834.46	4127804.29	0.001	0.001	0.001	0.00306
594862.34	4127804.29	0.001	0.001	0.001	0.00339
594834.46	4127826.94	0.001	0.001	0.001	0.00329
594862.34	4127826.94	0.001	0.001	0.001	0.00366
594834.46	4127849.59	0.001	0.001	0.001	0.00356
594862.34	4127849.59	0.001	0.002	0.001	0.00395
594834.46	4127872.24	0.001	0.001	0.001	0.00384
594862.34	4127872.24	0.001	0.002	0.001	0.00428
594834.46	4127894.89	0.001	0.002	0.001	0.00417
594862.34	4127894.89	0.002	0.002	0.001	0.00466
594834.46	4127917.54	0.002	0.002	0.001	0.00455
594862.34	4127917.54	0.002	0.002	0.001	0.00509
595026.39	4127722.45	0.001	0.002	0.001	0.00434
595026.39	4127759.08	0.002	0.002	0.001	0.00490
595026.39	4127795.71	0.002	0.002	0.002	0.00556
595026.39	4127832.34	0.002	0.002	0.002	0.00634
595026.39	4127868.97	0.002	0.003	0.002	0.00727
595026.39	4127905.6	0.003	0.003	0.002	0.00840
595026.39	4127942.23	0.003	0.004	0.003	0.00975
595026.39	4127978.86	0.004	0.004	0.003	0.01140
595026.39	4128015.49	0.005	0.005	0.004	0.01342
595026.39	4128052.12	0.005	0.006	0.004	0.01589

594967.92	4128313.02	0.021	0.023	0.017	0.06166
594989.44	4128313.02	0.022	0.024	0.017	0.06281
595010.96	4128313.02	0.022	0.024	0.018	0.06343
595032.48	4128313.02	0.022	0.024	0.018	0.06357
595054	4128313.02	0.022	0.024	0.018	0.06327
595075.52	4128313.02	0.022	0.024	0.017	0.06261
594967.92	4128341.65	0.026	0.028	0.021	0.07489
594989.44	4128341.65	0.026	0.028	0.021	0.07549
595010.96	4128341.65	0.026	0.028	0.021	0.07545
595032.48	4128341.65	0.026	0.028	0.021	0.07486
595054	4128341.65	0.025	0.028	0.020	0.07380
595075.52	4128341.65	0.025	0.027	0.020	0.07234
594967.92	4128370.28	0.031	0.034	0.025	0.09128
594989.44	4128370.28	0.031	0.034	0.025	0.09089
595010.96	4128370.28	0.031	0.034	0.025	0.08978
595032.48	4128370.28	0.030	0.033	0.024	0.08806
595054	4128370.28	0.030	0.032	0.024	0.08587
595075.52	4128370.28	0.029	0.031	0.023	0.08331
594967.92	4128398.91	0.038	0.042	0.031	0.11137
594989.44	4128398.91	0.038	0.041	0.030	0.10933
595010.96	4128398.91	0.037	0.040	0.030	0.10657
595032.48	4128398.91	0.036	0.039	0.029	0.10323
595054	4128398.91	0.034	0.038	0.028	0.09946
595075.52	4128398.91	0.033	0.036	0.026	0.09540
594967.92	4128427.54	0.047	0.051	0.038	0.13559
594989.44	4128427.54	0.045	0.049	0.036	0.13100
595010.96	4128427.54	0.043	0.047	0.035	0.12581
595032.48	4128427.54	0.041	0.045	0.033	0.12018
595054	4128427.54	0.039	0.043	0.032	0.11431
595075.52	4128427.54	0.037	0.041	0.030	0.10832
595000.73	4128430.99	0.045	0.049	0.036	0.13098
595032.09	4128430.99	0.042	0.046	0.034	0.12244
595063.45	4128430.99	0.039	0.043	0.031	0.11342
595000.73	4128448.25	0.050	0.055	0.040	0.14474
595032.09	4128448.25	0.046	0.050	0.037	0.13352
595063.45	4128448.25	0.042	0.046	0.034	0.12220
595000.73	4128465.51	0.055	0.060	0.044	0.15926
595032.09	4128465.51	0.050	0.055	0.040	0.14495
595063.45	4128465.51	0.045	0.049	0.036	0.13103
595056.55	4128477.03	0.048	0.053	0.039	0.14027

595097.42	4128477.03	0.042	0.046	0.034	0.12105
595138.29	4128477.03	0.036	0.039	0.029	0.10393
595056.55	4128506.38	0.054	0.059	0.043	0.15531
595097.42	4128506.38	0.045	0.049	0.036	0.13064
595138.29	4128506.38	0.038	0.041	0.030	0.10961
595185.07	4128542.78	0.031	0.034	0.025	0.08968
595200.24	4128542.78	0.029	0.031	0.023	0.08327
595215.41	4128542.78	0.027	0.029	0.021	0.07736
595230.58	4128542.78	0.025	0.027	0.020	0.07191
595245.75	4128542.78	0.023	0.025	0.019	0.06691
595260.92	4128542.78	0.021	0.024	0.017	0.06230
595276.09	4128542.78	0.020	0.022	0.016	0.05807
595291.26	4128542.78	0.019	0.020	0.015	0.05417
595306.43	4128542.78	0.017	0.019	0.014	0.05057
595321.6	4128542.78	0.016	0.018	0.013	0.04727
595185.07	4128563.98	0.030	0.033	0.024	0.08792
595200.24	4128563.98	0.028	0.031	0.023	0.08130
595215.41	4128563.98	0.026	0.028	0.021	0.07519
595230.58	4128563.98	0.024	0.026	0.019	0.06961
595245.75	4128563.98	0.022	0.024	0.018	0.06451
595260.92	4128563.98	0.021	0.023	0.017	0.05986
595276.09	4128563.98	0.019	0.021	0.015	0.05561
595291.26	4128563.98	0.018	0.020	0.014	0.05172
595306.43	4128563.98	0.017	0.018	0.013	0.04817
595321.6	4128563.98	0.015	0.017	0.012	0.04491
595185.07	4128585.18	0.029	0.032	0.024	0.08472
595200.24	4128585.18	0.027	0.029	0.022	0.07805
595215.41	4128585.18	0.025	0.027	0.020	0.07192
595230.58	4128585.18	0.023	0.025	0.018	0.06634
595245.75	4128585.18	0.021	0.023	0.017	0.06129
595260.92	4128585.18	0.020	0.021	0.016	0.05670
595276.09	4128585.18	0.018	0.020	0.015	0.05253
595291.26	4128585.18	0.017	0.018	0.014	0.04875
595306.43	4128585.18	0.016	0.017	0.013	0.04530
595321.6	4128585.18	0.015	0.016	0.012	0.04217
595185.07	4128606.38	0.028	0.030	0.022	0.08001
595200.24	4128606.38	0.025	0.028	0.020	0.07347
595215.41	4128606.38	0.023	0.025	0.019	0.06753
595230.58	4128606.38	0.021	0.023	0.017	0.06217
595245.75	4128606.38	0.020	0.022	0.016	0.05732

595260.92	4128606.38	0.018	0.020	0.015	0.05292
595276.09	4128606.38	0.017	0.018	0.014	0.04895
595291.26	4128606.38	0.016	0.017	0.013	0.04535
595306.43	4128606.38	0.015	0.016	0.012	0.04210
595321.6	4128606.38	0.013	0.015	0.011	0.03914
595343.81	4128516.24	0.016	0.017	0.013	0.04518
595380.27	4128516.24	0.013	0.015	0.011	0.03894
595416.73	4128516.24	0.012	0.013	0.009	0.03371
595453.19	4128516.24	0.010	0.011	0.008	0.02932
595343.81	4128534.78	0.015	0.016	0.012	0.04364
595380.27	4128534.78	0.013	0.014	0.010	0.03744
595416.73	4128534.78	0.011	0.012	0.009	0.03230
595453.19	4128534.78	0.010	0.011	0.008	0.02801
595343.81	4128553.32	0.014	0.016	0.012	0.04181
595380.27	4128553.32	0.012	0.013	0.010	0.03573
595416.73	4128553.32	0.011	0.012	0.009	0.03073
595453.19	4128553.32	0.009	0.010	0.007	0.02660
595343.81	4128571.86	0.014	0.015	0.011	0.03971
595380.27	4128571.86	0.012	0.013	0.009	0.03384
595416.73	4128571.86	0.010	0.011	0.008	0.02905
595453.19	4128571.86	0.009	0.009	0.007	0.02512
595343.81	4128590.4	0.013	0.014	0.010	0.03740
595380.27	4128590.4	0.011	0.012	0.009	0.03182
595416.73	4128590.4	0.009	0.010	0.008	0.02728
595453.19	4128590.4	0.008	0.009	0.007	0.02359
595343.81	4128608.94	0.012	0.013	0.010	0.03491
595380.27	4128608.94	0.010	0.011	0.008	0.02961
595416.73	4128608.94	0.009	0.010	0.007	0.02541
595453.19	4128608.94	0.008	0.008	0.006	0.02200
595459.33	4128741.51	0.004	0.005	0.003	0.01251
595488.36	4128741.51	0.004	0.004	0.003	0.01141
595517.39	4128741.51	0.004	0.004	0.003	0.01047
595546.42	4128741.51	0.003	0.004	0.003	0.00970
595575.45	4128741.51	0.003	0.003	0.003	0.00908
595604.48	4128741.51	0.003	0.003	0.002	0.00847
595633.51	4128741.51	0.003	0.003	0.002	0.00791
595662.54	4128741.51	0.003	0.003	0.002	0.00740
595691.57	4128741.51	0.002	0.003	0.002	0.00694
595720.6	4128741.51	0.002	0.002	0.002	0.00654
595749.63	4128741.51	0.002	0.002	0.002	0.00616

595778.66	4128741.51	0.002	0.002	0.002	0.00582
595807.69	4128741.51	0.002	0.002	0.002	0.00550
595836.72	4128741.51	0.002	0.002	0.001	0.00521
595865.75	4128741.51	0.002	0.002	0.001	0.00495
595894.78	4128741.51	0.002	0.002	0.001	0.00470
595923.81	4128741.51	0.002	0.002	0.001	0.00447
595952.84	4128741.51	0.001	0.002	0.001	0.00427
595981.87	4128741.51	0.001	0.002	0.001	0.00407
596010.9	4128741.51	0.001	0.001	0.001	0.00389
596039.93	4128741.51	0.001	0.001	0.001	0.00372
595459.33	4128760.66	0.004	0.004	0.003	0.01154
595488.36	4128760.66	0.004	0.004	0.003	0.01061
595517.39	4128760.66	0.003	0.004	0.003	0.00976
595546.42	4128760.66	0.003	0.003	0.003	0.00904
595575.45	4128760.66	0.003	0.003	0.002	0.00845
595604.48	4128760.66	0.003	0.003	0.002	0.00791
595633.51	4128760.66	0.003	0.003	0.002	0.00741
595662.54	4128760.66	0.002	0.003	0.002	0.00694
595691.57	4128760.66	0.002	0.002	0.002	0.00652
595720.6	4128760.66	0.002	0.002	0.002	0.00618
595749.63	4128760.66	0.002	0.002	0.002	0.00586
595778.66	4128760.66	0.002	0.002	0.002	0.00555
595807.69	4128760.66	0.002	0.002	0.001	0.00526
595836.72	4128760.66	0.002	0.002	0.001	0.00499
595865.75	4128760.66	0.002	0.002	0.001	0.00474
595894.78	4128760.66	0.002	0.002	0.001	0.00452
595923.81	4128760.66	0.001	0.002	0.001	0.00431
595952.84	4128760.66	0.001	0.002	0.001	0.00411
595981.87	4128760.66	0.001	0.001	0.001	0.00393
596010.9	4128760.66	0.001	0.001	0.001	0.00376
596039.93	4128760.66	0.001	0.001	0.001	0.00361
595459.33	4128779.81	0.004	0.004	0.003	0.01063
595488.36	4128779.81	0.003	0.004	0.003	0.00983
595517.39	4128779.81	0.003	0.003	0.003	0.00908
595546.42	4128779.81	0.003	0.003	0.002	0.00843
595575.45	4128779.81	0.003	0.003	0.002	0.00789
595604.48	4128779.81	0.003	0.003	0.002	0.00739
595633.51	4128779.81	0.002	0.003	0.002	0.00695
595662.54	4128779.81	0.002	0.002	0.002	0.00653
595691.57	4128779.81	0.002	0.002	0.002	0.00614

595720.6	4128779.81	0.002	0.002	0.002	0.00583
595749.63	4128779.81	0.002	0.002	0.002	0.00556
595778.66	4128779.81	0.002	0.002	0.001	0.00528
595807.69	4128779.81	0.002	0.002	0.001	0.00502
595836.72	4128779.81	0.002	0.002	0.001	0.00477
595865.75	4128779.81	0.002	0.002	0.001	0.00454
595894.78	4128779.81	0.001	0.002	0.001	0.00433
595923.81	4128779.81	0.001	0.002	0.001	0.00414
595952.84	4128779.81	0.001	0.001	0.001	0.00396
595981.87	4128779.81	0.001	0.001	0.001	0.00379
596010.9	4128779.81	0.001	0.001	0.001	0.00363
596039.93	4128779.81	0.001	0.001	0.001	0.00349
595459.33	4128798.96	0.003	0.004	0.003	0.00979
595488.36	4128798.96	0.003	0.003	0.003	0.00909
595517.39	4128798.96	0.003	0.003	0.002	0.00844
595546.42	4128798.96	0.003	0.003	0.002	0.00786
595575.45	4128798.96	0.003	0.003	0.002	0.00737
595604.48	4128798.96	0.002	0.003	0.002	0.00691
595633.51	4128798.96	0.002	0.002	0.002	0.00652
595662.54	4128798.96	0.002	0.002	0.002	0.00615
595691.57	4128798.96	0.002	0.002	0.002	0.00578
595720.6	4128798.96	0.002	0.002	0.002	0.00547
595749.63	4128798.96	0.002	0.002	0.001	0.00525
595778.66	4128798.96	0.002	0.002	0.001	0.00501
595807.69	4128798.96	0.002	0.002	0.001	0.00477
595836.72	4128798.96	0.002	0.002	0.001	0.00455
595865.75	4128798.96	0.001	0.002	0.001	0.00435
595894.78	4128798.96	0.001	0.002	0.001	0.00415
595923.81	4128798.96	0.001	0.002	0.001	0.00397
595952.84	4128798.96	0.001	0.001	0.001	0.00381
595981.87	4128798.96	0.001	0.001	0.001	0.00365
596010.9	4128798.96	0.001	0.001	0.001	0.00350
596039.93	4128798.96	0.001	0.001	0.001	0.00337
595459.33	4128818.11	0.003	0.003	0.003	0.00902
595488.36	4128818.11	0.003	0.003	0.002	0.00840
595517.39	4128818.11	0.003	0.003	0.002	0.00782
595546.42	4128818.11	0.003	0.003	0.002	0.00731
595575.45	4128818.11	0.002	0.003	0.002	0.00688
595604.48	4128818.11	0.002	0.002	0.002	0.00646
595633.51	4128818.11	0.002	0.002	0.002	0.00613

595662.54	4128818.11	0.002	0.002	0.002	0.00580
595691.57	4128818.11	0.002	0.002	0.002	0.00546
595720.6	4128818.11	0.002	0.002	0.001	0.00518
595749.63	4128818.11	0.002	0.002	0.001	0.00495
595778.66	4128818.11	0.002	0.002	0.001	0.00472
595807.69	4128818.11	0.002	0.002	0.001	0.00450
595836.72	4128818.11	0.001	0.002	0.001	0.00432
595865.75	4128818.11	0.001	0.002	0.001	0.00415
595894.78	4128818.11	0.001	0.002	0.001	0.00397
595923.81	4128818.11	0.001	0.001	0.001	0.00381
595952.84	4128818.11	0.001	0.001	0.001	0.00365
595981.87	4128818.11	0.001	0.001	0.001	0.00351
596010.9	4128818.11	0.001	0.001	0.001	0.00337
596039.93	4128818.11	0.001	0.001	0.001	0.00325
595459.33	4128837.26	0.003	0.003	0.002	0.00831
595488.36	4128837.26	0.003	0.003	0.002	0.00777
595517.39	4128837.26	0.002	0.003	0.002	0.00725
595546.42	4128837.26	0.002	0.003	0.002	0.00680
595575.45	4128837.26	0.002	0.002	0.002	0.00643
595604.48	4128837.26	0.002	0.002	0.002	0.00606
595633.51	4128837.26	0.002	0.002	0.002	0.00577
595662.54	4128837.26	0.002	0.002	0.002	0.00547
595691.57	4128837.26	0.002	0.002	0.001	0.00517
595720.6	4128837.26	0.002	0.002	0.001	0.00491
595749.63	4128837.26	0.002	0.002	0.001	0.00468
595778.66	4128837.26	0.002	0.002	0.001	0.00445
595807.69	4128837.26	0.001	0.002	0.001	0.00425
595836.72	4128837.26	0.001	0.002	0.001	0.00409
595865.75	4128837.26	0.001	0.001	0.001	0.00395
595894.78	4128837.26	0.001	0.001	0.001	0.00380
595923.81	4128837.26	0.001	0.001	0.001	0.00365
595952.84	4128837.26	0.001	0.001	0.001	0.00350
595981.87	4128837.26	0.001	0.001	0.001	0.00337
596010.9	4128837.26	0.001	0.001	0.001	0.00324
596039.93	4128837.26	0.001	0.001	0.001	0.00313
595459.33	4128856.41	0.003	0.003	0.002	0.00767
595488.36	4128856.41	0.002	0.003	0.002	0.00718
595517.39	4128856.41	0.002	0.003	0.002	0.00672
595546.42	4128856.41	0.002	0.002	0.002	0.00632
595575.45	4128856.41	0.002	0.002	0.002	0.00603



595604.48	4128856.41	0.002	0.002	0.002	0.00570
595633.51	4128856.41	0.002	0.002	0.002	0.00542
595662.54	4128856.41	0.002	0.002	0.001	0.00516
595691.57	4128856.41	0.002	0.002	0.001	0.00490
595720.6	4128856.41	0.002	0.002	0.001	0.00466
595749.63	4128856.41	0.002	0.002	0.001	0.00442
595778.66	4128856.41	0.001	0.002	0.001	0.00421
595807.69	4128856.41	0.001	0.002	0.001	0.00402
595836.72	4128856.41	0.001	0.001	0.001	0.00386
595865.75	4128856.41	0.001	0.001	0.001	0.00374
595894.78	4128856.41	0.001	0.001	0.001	0.00362
595923.81	4128856.41	0.001	0.001	0.001	0.00348
595952.84	4128856.41	0.001	0.001	0.001	0.00335
595981.87	4128856.41	0.001	0.001	0.001	0.00323
596010.9	4128856.41	0.001	0.001	0.001	0.00311
596039.93	4128856.41	0.001	0.001	0.001	0.00300
595459.33	4128875.56	0.002	0.003	0.002	0.00711
595488.36	4128875.56	0.002	0.003	0.002	0.00667
595517.39	4128875.56	0.002	0.002	0.002	0.00628
595546.42	4128875.56	0.002	0.002	0.002	0.00594
595575.45	4128875.56	0.002	0.002	0.002	0.00563
595604.48	4128875.56	0.002	0.002	0.001	0.00534
595633.51	4128875.56	0.002	0.002	0.001	0.00509
595662.54	4128875.56	0.002	0.002	0.001	0.00485
595691.57	4128875.56	0.002	0.002	0.001	0.00462
595720.6	4128875.56	0.002	0.002	0.001	0.00440
595749.63	4128875.56	0.001	0.002	0.001	0.00420
595778.66	4128875.56	0.001	0.002	0.001	0.00402
595807.69	4128875.56	0.001	0.001	0.001	0.00384
595836.72	4128875.56	0.001	0.001	0.001	0.00368
595865.75	4128875.56	0.001	0.001	0.001	0.00355
595894.78	4128875.56	0.001	0.001	0.001	0.00343
595923.81	4128875.56	0.001	0.001	0.001	0.00332
595952.84	4128875.56	0.001	0.001	0.001	0.00320
595981.87	4128875.56	0.001	0.001	0.001	0.00309
596010.9	4128875.56	0.001	0.001	0.001	0.00298
596039.93	4128875.56	0.001	0.001	0.001	0.00288
595459.33	4128894.71	0.002	0.003	0.002	0.00663
595488.36	4128894.71	0.002	0.002	0.002	0.00623
595517.39	4128894.71	0.002	0.002	0.002	0.00589

595546.42	4128894.71	0.002	0.002	0.002	0.00558
595575.45	4128894.71	0.002	0.002	0.001	0.00528
595604.48	4128894.71	0.002	0.002	0.001	0.00503
595633.51	4128894.71	0.002	0.002	0.001	0.00479
595662.54	4128894.71	0.002	0.002	0.001	0.00457
595691.57	4128894.71	0.001	0.002	0.001	0.00435
595720.6	4128894.71	0.001	0.002	0.001	0.00416
595749.63	4128894.71	0.001	0.002	0.001	0.00399
595778.66	4128894.71	0.001	0.001	0.001	0.00382
595807.69	4128894.71	0.001	0.001	0.001	0.00365
595836.72	4128894.71	0.001	0.001	0.001	0.00349
595865.75	4128894.71	0.001	0.001	0.001	0.00337
595894.78	4128894.71	0.001	0.001	0.001	0.00326
595923.81	4128894.71	0.001	0.001	0.001	0.00316
595952.84	4128894.71	0.001	0.001	0.001	0.00305
595981.87	4128894.71	0.001	0.001	0.001	0.00295
596010.9	4128894.71	0.001	0.001	0.001	0.00285
596039.93	4128894.71	0.001	0.001	0.001	0.00276
595459.33	4128913.86	0.002	0.002	0.002	0.00623
595488.36	4128913.86	0.002	0.002	0.002	0.00586
595517.39	4128913.86	0.002	0.002	0.002	0.00555
595546.42	4128913.86	0.002	0.002	0.001	0.00526
595575.45	4128913.86	0.002	0.002	0.001	0.00498
595604.48	4128913.86	0.002	0.002	0.001	0.00474
595633.51	4128913.86	0.002	0.002	0.001	0.00451
595662.54	4128913.86	0.001	0.002	0.001	0.00430
595691.57	4128913.86	0.001	0.002	0.001	0.00411
595720.6	4128913.86	0.001	0.001	0.001	0.00394
595749.63	4128913.86	0.001	0.001	0.001	0.00377
595778.66	4128913.86	0.001	0.001	0.001	0.00362
595807.69	4128913.86	0.001	0.001	0.001	0.00346
595836.72	4128913.86	0.001	0.001	0.001	0.00332
595865.75	4128913.86	0.001	0.001	0.001	0.00320
595894.78	4128913.86	0.001	0.001	0.001	0.00310
595923.81	4128913.86	0.001	0.001	0.001	0.00301
595952.84	4128913.86	0.001	0.001	0.001	0.00291
595981.87	4128913.86	0.001	0.001	0.001	0.00281
596010.9	4128913.86	0.001	0.001	0.001	0.00272
596039.93	4128913.86	0.001	0.001	0.001	0.00264
595459.33	4128933.01	0.002	0.002	0.002	0.00591

595488.36	4128933.01	0.002	0.002	0.002	0.00557
595517.39	4128933.01	0.002	0.002	0.001	0.00526
595546.42	4128933.01	0.002	0.002	0.001	0.00498
595575.45	4128933.01	0.002	0.002	0.001	0.00472
595604.48	4128933.01	0.002	0.002	0.001	0.00449
595633.51	4128933.01	0.001	0.002	0.001	0.00427
595662.54	4128933.01	0.001	0.002	0.001	0.00407
595691.57	4128933.01	0.001	0.001	0.001	0.00389
595720.6	4128933.01	0.001	0.001	0.001	0.00373
595749.63	4128933.01	0.001	0.001	0.001	0.00357
595778.66	4128933.01	0.001	0.001	0.001	0.00343
595807.69	4128933.01	0.001	0.001	0.001	0.00329
595836.72	4128933.01	0.001	0.001	0.001	0.00316
595865.75	4128933.01	0.001	0.001	0.001	0.00304
595894.78	4128933.01	0.001	0.001	0.001	0.00295
595923.81	4128933.01	0.001	0.001	0.001	0.00286
595952.84	4128933.01	0.001	0.001	0.001	0.00277
595981.87	4128933.01	0.001	0.001	0.001	0.00269
596010.9	4128933.01	0.001	0.001	0.001	0.00260
596039.93	4128933.01	0.001	0.001	0.001	0.00252
595459.33	4128952.16	0.002	0.002	0.002	0.00564
595488.36	4128952.16	0.002	0.002	0.001	0.00532
595517.39	4128952.16	0.002	0.002	0.001	0.00502
595546.42	4128952.16	0.002	0.002	0.001	0.00474
595575.45	4128952.16	0.002	0.002	0.001	0.00450
595604.48	4128952.16	0.001	0.002	0.001	0.00427
595633.51	4128952.16	0.001	0.002	0.001	0.00406
595662.54	4128952.16	0.001	0.001	0.001	0.00387
595691.57	4128952.16	0.001	0.001	0.001	0.00370
595720.6	4128952.16	0.001	0.001	0.001	0.00354
595749.63	4128952.16	0.001	0.001	0.001	0.00340
595778.66	4128952.16	0.001	0.001	0.001	0.00325
595807.69	4128952.16	0.001	0.001	0.001	0.00312
595836.72	4128952.16	0.001	0.001	0.001	0.00300
595865.75	4128952.16	0.001	0.001	0.001	0.00289
595894.78	4128952.16	0.001	0.001	0.001	0.00280
595923.81	4128952.16	0.001	0.001	0.001	0.00272
595952.84	4128952.16	0.001	0.001	0.001	0.00264
595981.87	4128952.16	0.001	0.001	0.001	0.00256
596010.9	4128952.16	0.001	0.001	0.001	0.00248

596039.93	4128952.16	0.001	0.001	0.001	0.00241
595459.33	4128971.31	0.002	0.002	0.002	0.00542
595488.36	4128971.31	0.002	0.002	0.001	0.00511
595517.39	4128971.31	0.002	0.002	0.001	0.00482
595546.42	4128971.31	0.002	0.002	0.001	0.00455
595575.45	4128971.31	0.001	0.002	0.001	0.00431
595604.48	4128971.31	0.001	0.002	0.001	0.00409
595633.51	4128971.31	0.001	0.001	0.001	0.00389
595662.54	4128971.31	0.001	0.001	0.001	0.00371
595691.57	4128971.31	0.001	0.001	0.001	0.00354
595720.6	4128971.31	0.001	0.001	0.001	0.00338
595749.63	4128971.31	0.001	0.001	0.001	0.00324
595778.66	4128971.31	0.001	0.001	0.001	0.00310
595807.69	4128971.31	0.001	0.001	0.001	0.00298
595836.72	4128971.31	0.001	0.001	0.001	0.00287
595865.75	4128971.31	0.001	0.001	0.001	0.00276
595894.78	4128971.31	0.001	0.001	0.001	0.00266
595923.81	4128971.31	0.001	0.001	0.001	0.00259
595952.84	4128971.31	0.001	0.001	0.001	0.00252
595981.87	4128971.31	0.001	0.001	0.001	0.00245
596010.9	4128971.31	0.001	0.001	0.001	0.00237
596039.93	4128971.31	0.001	0.001	0.001	0.00230
595459.33	4128990.46	0.002	0.002	0.001	0.00524
595488.36	4128990.46	0.002	0.002	0.001	0.00493
595517.39	4128990.46	0.002	0.002	0.001	0.00465
595546.42	4128990.46	0.001	0.002	0.001	0.00439
595575.45	4128990.46	0.001	0.002	0.001	0.00416
595604.48	4128990.46	0.001	0.001	0.001	0.00394
595633.51	4128990.46	0.001	0.001	0.001	0.00374
595662.54	4128990.46	0.001	0.001	0.001	0.00356
595691.57	4128990.46	0.001	0.001	0.001	0.00340
595720.6	4128990.46	0.001	0.001	0.001	0.00325
595749.63	4128990.46	0.001	0.001	0.001	0.00310
595778.66	4128990.46	0.001	0.001	0.001	0.00297
595807.69	4128990.46	0.001	0.001	0.001	0.00286
595836.72	4128990.46	0.001	0.001	0.001	0.00275
595865.75	4128990.46	0.001	0.001	0.001	0.00265
595894.78	4128990.46	0.001	0.001	0.001	0.00254
595923.81	4128990.46	0.001	0.001	0.001	0.00246
595952.84	4128990.46	0.001	0.001	0.001	0.00240

595981.87	4128990.46	0.001	0.001	0.001	0.00234
596010.9	4128990.46	0.001	0.001	0.001	0.00227
596039.93	4128990.46	0.001	0.001	0.001	0.00220
595459.33	4129009.61	0.002	0.002	0.001	0.00507
595488.36	4129009.61	0.002	0.002	0.001	0.00478
595517.39	4129009.61	0.002	0.002	0.001	0.00451
595546.42	4129009.61	0.001	0.002	0.001	0.00426
595575.45	4129009.61	0.001	0.002	0.001	0.00403
595604.48	4129009.61	0.001	0.001	0.001	0.00382
595633.51	4129009.61	0.001	0.001	0.001	0.00363
595662.54	4129009.61	0.001	0.001	0.001	0.00345
595691.57	4129009.61	0.001	0.001	0.001	0.00328
595720.6	4129009.61	0.001	0.001	0.001	0.00313
595749.63	4129009.61	0.001	0.001	0.001	0.00299
595778.66	4129009.61	0.001	0.001	0.001	0.00286
595807.69	4129009.61	0.001	0.001	0.001	0.00275
595836.72	4129009.61	0.001	0.001	0.001	0.00265
595865.75	4129009.61	0.001	0.001	0.001	0.00255
595894.78	4129009.61	0.001	0.001	0.001	0.00245
595923.81	4129009.61	0.001	0.001	0.001	0.00236
595952.84	4129009.61	0.001	0.001	0.001	0.00228
595981.87	4129009.61	0.001	0.001	0.001	0.00224
596010.9	4129009.61	0.001	0.001	0.001	0.00218
596039.93	4129009.61	0.001	0.001	0.001	0.00211
595459.33	4129028.76	0.002	0.002	0.001	0.00492
595488.36	4129028.76	0.002	0.002	0.001	0.00465
595517.39	4129028.76	0.001	0.002	0.001	0.00439
595546.42	4129028.76	0.001	0.002	0.001	0.00415
595575.45	4129028.76	0.001	0.001	0.001	0.00393
595604.48	4129028.76	0.001	0.001	0.001	0.00372
595633.51	4129028.76	0.001	0.001	0.001	0.00353
595662.54	4129028.76	0.001	0.001	0.001	0.00335
595691.57	4129028.76	0.001	0.001	0.001	0.00319
595720.6	4129028.76	0.001	0.001	0.001	0.00304
595749.63	4129028.76	0.001	0.001	0.001	0.00290
595778.66	4129028.76	0.001	0.001	0.001	0.00277
595807.69	4129028.76	0.001	0.001	0.001	0.00266
595836.72	4129028.76	0.001	0.001	0.001	0.00256
595865.75	4129028.76	0.001	0.001	0.001	0.00246
595894.78	4129028.76	0.001	0.001	0.001	0.00237

595923.81	4129028.76	0.001	0.001	0.001	0.00229
595952.84	4129028.76	0.001	0.001	0.001	0.00220
595981.87	4129028.76	0.001	0.001	0.001	0.00214
596010.9	4129028.76	0.001	0.001	0.001	0.00209
596039.93	4129028.76	0.001	0.001	0.001	0.00203
595459.33	4129047.91	0.002	0.002	0.001	0.00477
595488.36	4129047.91	0.002	0.002	0.001	0.00452
595517.39	4129047.91	0.001	0.002	0.001	0.00428
595546.42	4129047.91	0.001	0.002	0.001	0.00405
595575.45	4129047.91	0.001	0.001	0.001	0.00384
595604.48	4129047.91	0.001	0.001	0.001	0.00364
595633.51	4129047.91	0.001	0.001	0.001	0.00345
595662.54	4129047.91	0.001	0.001	0.001	0.00328
595691.57	4129047.91	0.001	0.001	0.001	0.00311
595720.6	4129047.91	0.001	0.001	0.001	0.00296
595749.63	4129047.91	0.001	0.001	0.001	0.00283
595778.66	4129047.91	0.001	0.001	0.001	0.00270
595807.69	4129047.91	0.001	0.001	0.001	0.00259
595836.72	4129047.91	0.001	0.001	0.001	0.00249
595865.75	4129047.91	0.001	0.001	0.001	0.00239
595894.78	4129047.91	0.001	0.001	0.001	0.00230
595923.81	4129047.91	0.001	0.001	0.001	0.00221
595952.84	4129047.91	0.001	0.001	0.001	0.00212
595981.87	4129047.91	0.001	0.001	0.001	0.00206
596010.9	4129047.91	0.001	0.001	0.001	0.00202
596039.93	4129047.91	0.001	0.001	0.001	0.00196
595459.33	4129067.06	0.002	0.002	0.001	0.00463
595488.36	4129067.06	0.001	0.002	0.001	0.00439
595517.39	4129067.06	0.001	0.002	0.001	0.00417
595546.42	4129067.06	0.001	0.002	0.001	0.00396
595575.45	4129067.06	0.001	0.001	0.001	0.00376
595604.48	4129067.06	0.001	0.001	0.001	0.00356
595633.51	4129067.06	0.001	0.001	0.001	0.00338
595662.54	4129067.06	0.001	0.001	0.001	0.00321
595691.57	4129067.06	0.001	0.001	0.001	0.00305
595720.6	4129067.06	0.001	0.001	0.001	0.00290
595749.63	4129067.06	0.001	0.001	0.001	0.00277
595778.66	4129067.06	0.001	0.001	0.001	0.00265
595807.69	4129067.06	0.001	0.001	0.001	0.00254
595836.72	4129067.06	0.001	0.001	0.001	0.00243

595865.75	4129067.06	0.001	0.001	0.001	0.00233
595894.78	4129067.06	0.001	0.001	0.001	0.00224
595923.81	4129067.06	0.001	0.001	0.001	0.00214
595952.84	4129067.06	0.001	0.001	0.001	0.00205
595981.87	4129067.06	0.001	0.001	0.001	0.00200
596010.9	4129067.06	0.001	0.001	0.001	0.00195
596039.93	4129067.06	0.001	0.001	0.001	0.00189
595459.33	4129086.21	0.002	0.002	0.001	0.00449
595488.36	4129086.21	0.001	0.002	0.001	0.00427
595517.39	4129086.21	0.001	0.002	0.001	0.00406
595546.42	4129086.21	0.001	0.001	0.001	0.00386
595575.45	4129086.21	0.001	0.001	0.001	0.00368
595604.48	4129086.21	0.001	0.001	0.001	0.00349
595633.51	4129086.21	0.001	0.001	0.001	0.00332
595662.54	4129086.21	0.001	0.001	0.001	0.00315
595691.57	4129086.21	0.001	0.001	0.001	0.00300
595720.6	4129086.21	0.001	0.001	0.001	0.00286
595749.63	4129086.21	0.001	0.001	0.001	0.00273
595778.66	4129086.21	0.001	0.001	0.001	0.00261
595807.69	4129086.21	0.001	0.001	0.001	0.00249
595836.72	4129086.21	0.001	0.001	0.001	0.00238
595865.75	4129086.21	0.001	0.001	0.001	0.00228
595894.78	4129086.21	0.001	0.001	0.001	0.00219
595923.81	4129086.21	0.001	0.001	0.001	0.00210
595952.84	4129086.21	0.001	0.001	0.001	0.00201
595981.87	4129086.21	0.001	0.001	0.001	0.00194
596010.9	4129086.21	0.001	0.001	0.001	0.00188
596039.93	4129086.21	0.001	0.001	0.001	0.00183
595459.33	4129105.36	0.001	0.002	0.001	0.00435
595488.36	4129105.36	0.001	0.002	0.001	0.00414
595517.39	4129105.36	0.001	0.002	0.001	0.00395
595546.42	4129105.36	0.001	0.001	0.001	0.00377
595575.45	4129105.36	0.001	0.001	0.001	0.00359
595604.48	4129105.36	0.001	0.001	0.001	0.00342
595633.51	4129105.36	0.001	0.001	0.001	0.00326
595662.54	4129105.36	0.001	0.001	0.001	0.00310
595691.57	4129105.36	0.001	0.001	0.001	0.00295
595720.6	4129105.36	0.001	0.001	0.001	0.00282
595749.63	4129105.36	0.001	0.001	0.001	0.00269
595778.66	4129105.36	0.001	0.001	0.001	0.00257

595807.69	4129105.36	0.001	0.001	0.001	0.00245
595836.72	4129105.36	0.001	0.001	0.001	0.00235
595865.75	4129105.36	0.001	0.001	0.001	0.00225
595894.78	4129105.36	0.001	0.001	0.001	0.00215
595923.81	4129105.36	0.001	0.001	0.001	0.00207
595952.84	4129105.36	0.001	0.001	0.001	0.00198
595981.87	4129105.36	0.001	0.001	0.001	0.00190
596010.9	4129105.36	0.001	0.001	0.001	0.00183
596039.93	4129105.36	0.001	0.001	0.000	0.00178
595459.33	4129124.51	0.001	0.002	0.001	0.00422
595488.36	4129124.51	0.001	0.002	0.001	0.00402
595517.39	4129124.51	0.001	0.001	0.001	0.00384
595546.42	4129124.51	0.001	0.001	0.001	0.00367
595575.45	4129124.51	0.001	0.001	0.001	0.00350
595604.48	4129124.51	0.001	0.001	0.001	0.00335
595633.51	4129124.51	0.001	0.001	0.001	0.00319
595662.54	4129124.51	0.001	0.001	0.001	0.00305
595691.57	4129124.51	0.001	0.001	0.001	0.00291
595720.6	4129124.51	0.001	0.001	0.001	0.00278
595749.63	4129124.51	0.001	0.001	0.001	0.00266
595778.66	4129124.51	0.001	0.001	0.001	0.00254
595807.69	4129124.51	0.001	0.001	0.001	0.00242
595836.72	4129124.51	0.001	0.001	0.001	0.00232
595865.75	4129124.51	0.001	0.001	0.001	0.00222
595894.78	4129124.51	0.001	0.001	0.001	0.00212
595923.81	4129124.51	0.001	0.001	0.001	0.00204
595952.84	4129124.51	0.001	0.001	0.001	0.00195
595981.87	4129124.51	0.001	0.001	0.001	0.00186
596010.9	4129124.51	0.001	0.001	0.001	0.00179
596039.93	4129124.51	0.001	0.001	0.000	0.00173
595249.89	4128695.55	0.012	0.014	0.010	0.03617
595290.33	4128695.55	0.010	0.011	0.008	0.02970
595330.77	4128695.55	0.009	0.009	0.007	0.02479
595371.21	4128695.55	0.007	0.008	0.006	0.02100
595411.65	4128695.55	0.006	0.007	0.005	0.01794
595452.09	4128695.55	0.005	0.006	0.004	0.01551
595249.89	4128726.21	0.010	0.011	0.008	0.02985
595290.33	4128726.21	0.009	0.009	0.007	0.02486
595330.77	4128726.21	0.007	0.008	0.006	0.02103
595371.21	4128726.21	0.006	0.007	0.005	0.01804



595411.65	4128726.21	0.005	0.006	0.004	0.01563
595452.09	4128726.21	0.005	0.005	0.004	0.01365
595249.89	4128756.87	0.008	0.009	0.007	0.02439
595290.33	4128756.87	0.007	0.008	0.006	0.02067
595330.77	4128756.87	0.006	0.007	0.005	0.01776
595371.21	4128756.87	0.005	0.006	0.004	0.01543
595411.65	4128756.87	0.005	0.005	0.004	0.01354
595452.09	4128756.87	0.004	0.005	0.003	0.01198
595249.89	4128787.53	0.007	0.008	0.006	0.01993
595290.33	4128787.53	0.006	0.007	0.005	0.01719
595330.77	4128787.53	0.005	0.006	0.004	0.01499
595371.21	4128787.53	0.005	0.005	0.004	0.01320
595411.65	4128787.53	0.004	0.004	0.003	0.01172
595452.09	4128787.53	0.004	0.004	0.003	0.01049
595249.89	4128818.19	0.006	0.006	0.005	0.01644
595290.33	4128818.19	0.005	0.005	0.004	0.01439
595330.77	4128818.19	0.004	0.005	0.004	0.01272
595371.21	4128818.19	0.004	0.004	0.003	0.01133
595411.65	4128818.19	0.003	0.004	0.003	0.01016
595452.09	4128818.19	0.003	0.003	0.003	0.00917
595249.89	4128848.85	0.005	0.005	0.004	0.01384
595290.33	4128848.85	0.004	0.005	0.003	0.01224
595330.77	4128848.85	0.004	0.004	0.003	0.01092
595371.21	4128848.85	0.003	0.004	0.003	0.00980
595411.65	4128848.85	0.003	0.003	0.002	0.00886
595452.09	4128848.85	0.003	0.003	0.002	0.00805
595249.89	4128879.51	0.004	0.005	0.003	0.01198
595290.33	4128879.51	0.004	0.004	0.003	0.01066
595330.77	4128879.51	0.003	0.004	0.003	0.00955
595371.21	4128879.51	0.003	0.003	0.002	0.00862
595411.65	4128879.51	0.003	0.003	0.002	0.00782
595452.09	4128879.51	0.002	0.003	0.002	0.00712
595249.89	4128910.17	0.004	0.004	0.003	0.01065
595290.33	4128910.17	0.003	0.004	0.003	0.00952
595330.77	4128910.17	0.003	0.003	0.002	0.00856
595371.21	4128910.17	0.003	0.003	0.002	0.00774
595411.65	4128910.17	0.002	0.003	0.002	0.00703
595452.09	4128910.17	0.002	0.002	0.002	0.00640
595249.89	4128940.83	0.003	0.004	0.003	0.00967
595290.33	4128940.83	0.003	0.003	0.002	0.00867

595330.77	4128940.83	0.003	0.003	0.002	0.00783
595371.21	4128940.83	0.002	0.003	0.002	0.00709
595411.65	4128940.83	0.002	0.002	0.002	0.00644
595452.09	4128940.83	0.002	0.002	0.002	0.00588
595370.31	4128948.01	0.002	0.003	0.002	0.00697
595402.84	4128948.01	0.002	0.002	0.002	0.00645
595435.37	4128948.01	0.002	0.002	0.002	0.00599
595370.31	4128976.76	0.002	0.002	0.002	0.00652
595402.84	4128976.76	0.002	0.002	0.002	0.00606
595435.37	4128976.76	0.002	0.002	0.002	0.00565
595370.31	4129005.51	0.002	0.002	0.002	0.00615
595402.84	4129005.51	0.002	0.002	0.002	0.00574
595435.37	4129005.51	0.002	0.002	0.002	0.00536
595370.31	4129034.26	0.002	0.002	0.002	0.00582
595402.84	4129034.26	0.002	0.002	0.002	0.00545
595435.37	4129034.26	0.002	0.002	0.001	0.00511
595370.31	4129063.01	0.002	0.002	0.002	0.00552
595402.84	4129063.01	0.002	0.002	0.001	0.00518
595435.37	4129063.01	0.002	0.002	0.001	0.00487
595370.31	4129091.76	0.002	0.002	0.001	0.00526
595402.84	4129091.76	0.002	0.002	0.001	0.00493
595435.37	4129091.76	0.002	0.002	0.001	0.00464
595548.86	4129154.91	0.001	0.001	0.001	0.00349
595605.25	4129154.91	0.001	0.001	0.001	0.00322
595661.64	4129154.91	0.001	0.001	0.001	0.00296
595718.03	4129154.91	0.001	0.001	0.001	0.00273
595548.86	4129180.69	0.001	0.001	0.001	0.00336
595605.25	4129180.69	0.001	0.001	0.001	0.00311
595661.64	4129180.69	0.001	0.001	0.001	0.00288
595718.03	4129180.69	0.001	0.001	0.001	0.00267
595548.86	4129206.47	0.001	0.001	0.001	0.00324
595605.25	4129206.47	0.001	0.001	0.001	0.00299
595661.64	4129206.47	0.001	0.001	0.001	0.00279
595718.03	4129206.47	0.001	0.001	0.001	0.00260
595548.86	4129232.25	0.001	0.001	0.001	0.00314
595605.25	4129232.25	0.001	0.001	0.001	0.00289
595661.64	4129232.25	0.001	0.001	0.001	0.00269
595718.03	4129232.25	0.001	0.001	0.001	0.00252
595770.66	4129137.18	0.001	0.001	0.001	0.00255
595794.75	4129137.18	0.001	0.001	0.001	0.00245

595818.84	4129137.18	0.001	0.001	0.001	0.00236
595842.93	4129137.18	0.001	0.001	0.001	0.00228
595867.02	4129137.18	0.001	0.001	0.001	0.00220
595891.11	4129137.18	0.001	0.001	0.001	0.00212
595915.2	4129137.18	0.001	0.001	0.001	0.00204
595939.29	4129137.18	0.001	0.001	0.001	0.00197
595770.66	4129177.59	0.001	0.001	0.001	0.00248
595794.75	4129177.59	0.001	0.001	0.001	0.00240
595818.84	4129177.59	0.001	0.001	0.001	0.00231
595842.93	4129177.59	0.001	0.001	0.001	0.00223
595867.02	4129177.59	0.001	0.001	0.001	0.00215
595891.11	4129177.59	0.001	0.001	0.001	0.00207
595915.2	4129177.59	0.001	0.001	0.001	0.00200
595939.29	4129177.59	0.001	0.001	0.001	0.00192
595770.66	4129218	0.001	0.001	0.001	0.00240
595794.75	4129218	0.001	0.001	0.001	0.00232
595818.84	4129218	0.001	0.001	0.001	0.00225
595842.93	4129218	0.001	0.001	0.001	0.00218
595867.02	4129218	0.001	0.001	0.001	0.00210
595891.11	4129218	0.001	0.001	0.001	0.00203
595915.2	4129218	0.001	0.001	0.001	0.00196
595939.29	4129218	0.001	0.001	0.001	0.00189
595770.66	4129258.41	0.001	0.001	0.001	0.00229
595794.75	4129258.41	0.001	0.001	0.001	0.00223
595818.84	4129258.41	0.001	0.001	0.001	0.00216
595842.93	4129258.41	0.001	0.001	0.001	0.00210
595867.02	4129258.41	0.001	0.001	0.001	0.00204
595891.11	4129258.41	0.001	0.001	0.001	0.00198
595915.2	4129258.41	0.001	0.001	0.001	0.00192
595939.29	4129258.41	0.001	0.001	0.001	0.00186
595770.66	4129298.82	0.001	0.001	0.001	0.00216
595794.75	4129298.82	0.001	0.001	0.001	0.00211
595818.84	4129298.82	0.001	0.001	0.001	0.00206
595842.93	4129298.82	0.001	0.001	0.001	0.00201
595867.02	4129298.82	0.001	0.001	0.001	0.00195
595891.11	4129298.82	0.001	0.001	0.001	0.00190
595915.2	4129298.82	0.001	0.001	0.001	0.00185
595939.29	4129298.82	0.001	0.001	0.001	0.00180
595957.02	4129258.56	0.001	0.001	0.001	0.00181
596003.21	4129258.56	0.001	0.001	0.000	0.00170

595957.02	4129289.71	0.001	0.001	0.000	0.00178
596003.21	4129289.71	0.001	0.001	0.000	0.00168
595957.02	4129320.86	0.001	0.001	0.000	0.00173
596003.21	4129320.86	0.001	0.001	0.000	0.00165
595957.02	4129352.01	0.001	0.001	0.000	0.00168
596003.21	4129352.01	0.001	0.001	0.000	0.00161
595780.89	4129328.94	0.001	0.001	0.001	0.00204
595811.48	4129328.94	0.001	0.001	0.001	0.00198
595842.07	4129328.94	0.001	0.001	0.001	0.00192
595872.66	4129328.94	0.001	0.001	0.001	0.00187
595903.25	4129328.94	0.001	0.001	0.001	0.00181
595933.84	4129328.94	0.001	0.001	0.000	0.00176
595780.89	4129353.44	0.001	0.001	0.001	0.00197
595811.48	4129353.44	0.001	0.001	0.001	0.00190
595842.07	4129353.44	0.001	0.001	0.001	0.00185
595872.66	4129353.44	0.001	0.001	0.001	0.00180
595903.25	4129353.44	0.001	0.001	0.000	0.00175
595933.84	4129353.44	0.001	0.001	0.000	0.00171
595780.89	4129377.94	0.001	0.001	0.001	0.00189
595811.48	4129377.94	0.001	0.001	0.001	0.00183
595842.07	4129377.94	0.001	0.001	0.000	0.00177
595872.66	4129377.94	0.001	0.001	0.000	0.00173
595903.25	4129377.94	0.001	0.001	0.000	0.00169
595933.84	4129377.94	0.001	0.001	0.000	0.00165
595780.89	4129402.44	0.001	0.001	0.001	0.00182
595811.48	4129402.44	0.001	0.001	0.000	0.00175
595842.07	4129402.44	0.001	0.001	0.000	0.00170
595872.66	4129402.44	0.001	0.001	0.000	0.00165
595903.25	4129402.44	0.001	0.001	0.000	0.00162
595933.84	4129402.44	0.001	0.001	0.000	0.00158
595780.89	4129426.94	0.001	0.001	0.000	0.00176
595811.48	4129426.94	0.001	0.001	0.000	0.00169
595842.07	4129426.94	0.001	0.001	0.000	0.00163
595872.66	4129426.94	0.001	0.001	0.000	0.00159
595903.25	4129426.94	0.001	0.001	0.000	0.00155
595933.84	4129426.94	0.001	0.001	0.000	0.00152
595780.89	4129451.44	0.001	0.001	0.000	0.00170
595811.48	4129451.44	0.001	0.001	0.000	0.00162
595842.07	4129451.44	0.001	0.001	0.000	0.00156
595872.66	4129451.44	0.001	0.001	0.000	0.00152

595903.25	4129451.44	0.001	0.001	0.000	0.00148
595933.84	4129451.44	0.000	0.001	0.000	0.00145
595780.89	4129475.94	0.001	0.001	0.000	0.00164
595811.48	4129475.94	0.001	0.001	0.000	0.00157
595842.07	4129475.94	0.001	0.001	0.000	0.00151
595872.66	4129475.94	0.000	0.001	0.000	0.00146
595903.25	4129475.94	0.000	0.001	0.000	0.00142
595933.84	4129475.94	0.000	0.001	0.000	0.00139
595642.77	4129286.53	0.001	0.001	0.001	0.00256
595677.31	4129286.53	0.001	0.001	0.001	0.00245
595711.85	4129286.53	0.001	0.001	0.001	0.00235
595746.39	4129286.53	0.001	0.001	0.001	0.00226
595642.77	4129336.29	0.001	0.001	0.001	0.00245
595677.31	4129336.29	0.001	0.001	0.001	0.00231
595711.85	4129336.29	0.001	0.001	0.001	0.00220
595746.39	4129336.29	0.001	0.001	0.001	0.00210
595642.77	4129386.05	0.001	0.001	0.001	0.00242
595677.31	4129386.05	0.001	0.001	0.001	0.00223
595711.85	4129386.05	0.001	0.001	0.001	0.00208
595746.39	4129386.05	0.001	0.001	0.001	0.00196
595642.77	4129435.81	0.001	0.001	0.001	0.00247
595677.31	4129435.81	0.001	0.001	0.001	0.00219
595711.85	4129435.81	0.001	0.001	0.001	0.00199
595746.39	4129435.81	0.001	0.001	0.001	0.00184
595642.77	4129485.57	0.001	0.001	0.001	0.00255
595677.31	4129485.57	0.001	0.001	0.001	0.00213
595711.85	4129485.57	0.001	0.001	0.001	0.00189
595746.39	4129485.57	0.001	0.001	0.000	0.00174
595788.1	4129524.74	0.001	0.001	0.000	0.00154
595814.56	4129524.74	0.001	0.001	0.000	0.00148
595841.02	4129524.74	0.000	0.001	0.000	0.00143
595867.48	4129524.74	0.000	0.001	0.000	0.00138
595893.94	4129524.74	0.000	0.001	0.000	0.00134
595920.4	4129524.74	0.000	0.000	0.000	0.00131
595946.86	4129524.74	0.000	0.000	0.000	0.00128
595973.32	4129524.74	0.000	0.000	0.000	0.00126
595999.78	4129524.74	0.000	0.000	0.000	0.00124
595788.1	4129556.46	0.001	0.001	0.000	0.00151
595814.56	4129556.46	0.000	0.001	0.000	0.00145
595841.02	4129556.46	0.000	0.001	0.000	0.00139

595867.48	4129556.46	0.000	0.001	0.000	0.00134
595893.94	4129556.46	0.000	0.000	0.000	0.00130
595920.4	4129556.46	0.000	0.000	0.000	0.00126
595946.86	4129556.46	0.000	0.000	0.000	0.00123
595973.32	4129556.46	0.000	0.000	0.000	0.00121
595999.78	4129556.46	0.000	0.000	0.000	0.00118
595788.1	4129588.18	0.001	0.001	0.000	0.00149
595814.56	4129588.18	0.000	0.001	0.000	0.00143
595841.02	4129588.18	0.000	0.001	0.000	0.00137
595867.48	4129588.18	0.000	0.001	0.000	0.00132
595893.94	4129588.18	0.000	0.000	0.000	0.00127
595920.4	4129588.18	0.000	0.000	0.000	0.00123
595946.86	4129588.18	0.000	0.000	0.000	0.00119
595973.32	4129588.18	0.000	0.000	0.000	0.00116
595999.78	4129588.18	0.000	0.000	0.000	0.00114
595788.1	4129619.9	0.001	0.001	0.000	0.00148
595814.56	4129619.9	0.000	0.001	0.000	0.00142
595841.02	4129619.9	0.000	0.001	0.000	0.00136
595867.48	4129619.9	0.000	0.000	0.000	0.00131
595893.94	4129619.9	0.000	0.000	0.000	0.00126
595920.4	4129619.9	0.000	0.000	0.000	0.00121
595946.86	4129619.9	0.000	0.000	0.000	0.00117
595973.32	4129619.9	0.000	0.000	0.000	0.00114
595999.78	4129619.9	0.000	0.000	0.000	0.00111
595788.1	4129651.62	0.000	0.001	0.000	0.00146
595814.56	4129651.62	0.000	0.001	0.000	0.00140
595841.02	4129651.62	0.000	0.001	0.000	0.00135
595867.48	4129651.62	0.000	0.000	0.000	0.00130
595893.94	4129651.62	0.000	0.000	0.000	0.00125
595920.4	4129651.62	0.000	0.000	0.000	0.00120
595946.86	4129651.62	0.000	0.000	0.000	0.00116
595973.32	4129651.62	0.000	0.000	0.000	0.00112
595999.78	4129651.62	0.000	0.000	0.000	0.00108
595788.1	4129683.34	0.000	0.001	0.000	0.00144
595814.56	4129683.34	0.000	0.001	0.000	0.00139
595841.02	4129683.34	0.000	0.001	0.000	0.00134
595867.48	4129683.34	0.000	0.000	0.000	0.00129
595893.94	4129683.34	0.000	0.000	0.000	0.00124
595920.4	4129683.34	0.000	0.000	0.000	0.00119
595946.86	4129683.34	0.000	0.000	0.000	0.00115

595973.32	4129683.34	0.000	0.000	0.000	0.00111
595999.78	4129683.34	0.000	0.000	0.000	0.00107
593920.79	4128960.54	0.004	0.004	0.003	0.01176
593955.22	4128960.54	0.004	0.005	0.004	0.01286
593989.65	4128960.54	0.005	0.005	0.004	0.01410
594024.08	4128960.54	0.005	0.006	0.004	0.01550
594058.51	4128960.54	0.006	0.006	0.005	0.01708
594092.94	4128960.54	0.007	0.007	0.005	0.01888
594127.37	4128960.54	0.007	0.008	0.006	0.02093
594161.8	4128960.54	0.008	0.009	0.006	0.02325
594196.23	4128960.54	0.009	0.010	0.007	0.02590
594230.66	4128960.54	0.010	0.011	0.008	0.02891
594265.09	4128960.54	0.011	0.012	0.009	0.03232
594299.52	4128960.54	0.012	0.014	0.010	0.03617
593920.79	4128979.2	0.004	0.005	0.003	0.01201
593955.22	4128979.2	0.005	0.005	0.004	0.01311
593989.65	4128979.2	0.005	0.005	0.004	0.01434
594024.08	4128979.2	0.005	0.006	0.004	0.01573
594058.51	4128979.2	0.006	0.007	0.005	0.01729
594092.94	4128979.2	0.007	0.007	0.005	0.01906
594127.37	4128979.2	0.007	0.008	0.006	0.02105
594161.8	4128979.2	0.008	0.009	0.006	0.02330
594196.23	4128979.2	0.009	0.010	0.007	0.02583
594230.66	4128979.2	0.010	0.011	0.008	0.02868
594265.09	4128979.2	0.011	0.012	0.009	0.03187
594299.52	4128979.2	0.012	0.013	0.010	0.03542
593920.79	4128997.86	0.004	0.005	0.003	0.01223
593955.22	4128997.86	0.005	0.005	0.004	0.01332
593989.65	4128997.86	0.005	0.005	0.004	0.01454
594024.08	4128997.86	0.005	0.006	0.004	0.01591
594058.51	4128997.86	0.006	0.007	0.005	0.01744
594092.94	4128997.86	0.007	0.007	0.005	0.01915
594127.37	4128997.86	0.007	0.008	0.006	0.02108
594161.8	4128997.86	0.008	0.009	0.006	0.02323
594196.23	4128997.86	0.009	0.010	0.007	0.02563
594230.66	4128997.86	0.010	0.011	0.008	0.02831
594265.09	4128997.86	0.011	0.012	0.009	0.03127
594299.52	4128997.86	0.012	0.013	0.010	0.03450
593920.79	4129016.52	0.004	0.005	0.003	0.01240
593955.22	4129016.52	0.005	0.005	0.004	0.01348

593989.65	4129016.52	0.005	0.006	0.004	0.01468
594024.08	4129016.52	0.006	0.006	0.004	0.01602
594058.51	4129016.52	0.006	0.007	0.005	0.01751
594092.94	4129016.52	0.007	0.007	0.005	0.01917
594127.37	4129016.52	0.007	0.008	0.006	0.02102
594161.8	4129016.52	0.008	0.009	0.006	0.02306
594196.23	4129016.52	0.009	0.010	0.007	0.02532
594230.66	4129016.52	0.010	0.010	0.008	0.02781
594265.09	4129016.52	0.011	0.012	0.008	0.03053
594299.52	4129016.52	0.012	0.013	0.009	0.03345
593920.79	4129035.18	0.004	0.005	0.003	0.01254
593955.22	4129035.18	0.005	0.005	0.004	0.01361
593989.65	4129035.18	0.005	0.006	0.004	0.01478
594024.08	4129035.18	0.006	0.006	0.004	0.01608
594058.51	4129035.18	0.006	0.007	0.005	0.01752
594092.94	4129035.18	0.007	0.007	0.005	0.01912
594127.37	4129035.18	0.007	0.008	0.006	0.02087
594161.8	4129035.18	0.008	0.009	0.006	0.02281
594196.23	4129035.18	0.009	0.009	0.007	0.02492
594230.66	4129035.18	0.009	0.010	0.008	0.02721
594265.09	4129035.18	0.010	0.011	0.008	0.02968
594299.52	4129035.18	0.011	0.012	0.009	0.03229
593920.79	4129053.84	0.004	0.005	0.004	0.01264
593955.22	4129053.84	0.005	0.005	0.004	0.01368
593989.65	4129053.84	0.005	0.006	0.004	0.01482
594024.08	4129053.84	0.006	0.006	0.004	0.01608
594058.51	4129053.84	0.006	0.007	0.005	0.01747
594092.94	4129053.84	0.007	0.007	0.005	0.01899
594127.37	4129053.84	0.007	0.008	0.006	0.02065
594161.8	4129053.84	0.008	0.008	0.006	0.02246
594196.23	4129053.84	0.008	0.009	0.007	0.02442
594230.66	4129053.84	0.009	0.010	0.007	0.02653
594265.09	4129053.84	0.010	0.011	0.008	0.02875
594299.52	4129053.84	0.011	0.012	0.009	0.03106
593920.79	4129072.5	0.004	0.005	0.004	0.01271
593955.22	4129072.5	0.005	0.005	0.004	0.01372
593989.65	4129072.5	0.005	0.006	0.004	0.01482
594024.08	4129072.5	0.006	0.006	0.004	0.01604
594058.51	4129072.5	0.006	0.007	0.005	0.01736
594092.94	4129072.5	0.006	0.007	0.005	0.01880



594127.37	4129072.5	0.007	0.008	0.006	0.02037
594161.8	4129072.5	0.008	0.008	0.006	0.02205
594196.23	4129072.5	0.008	0.009	0.007	0.02386
594230.66	4129072.5	0.009	0.010	0.007	0.02578
594265.09	4129072.5	0.010	0.010	0.008	0.02776
594299.52	4129072.5	0.010	0.011	0.008	0.02979
593920.79	4129091.16	0.004	0.005	0.004	0.01274
593955.22	4129091.16	0.005	0.005	0.004	0.01371
593989.65	4129091.16	0.005	0.006	0.004	0.01478
594024.08	4129091.16	0.005	0.006	0.004	0.01594
594058.51	4129091.16	0.006	0.006	0.005	0.01720
594092.94	4129091.16	0.006	0.007	0.005	0.01856
594127.37	4129091.16	0.007	0.008	0.006	0.02002
594161.8	4129091.16	0.007	0.008	0.006	0.02159
594196.23	4129091.16	0.008	0.009	0.006	0.02324
594230.66	4129091.16	0.009	0.009	0.007	0.02497
594265.09	4129091.16	0.009	0.010	0.007	0.02673
594299.52	4129091.16	0.010	0.011	0.008	0.02848
593920.79	4129109.82	0.004	0.005	0.004	0.01273
593955.22	4129109.82	0.005	0.005	0.004	0.01367
593989.65	4129109.82	0.005	0.006	0.004	0.01469
594024.08	4129109.82	0.005	0.006	0.004	0.01580
594058.51	4129109.82	0.006	0.006	0.005	0.01699
594092.94	4129109.82	0.006	0.007	0.005	0.01827
594127.37	4129109.82	0.007	0.007	0.005	0.01963
594161.8	4129109.82	0.007	0.008	0.006	0.02107
594196.23	4129109.82	0.008	0.009	0.006	0.02258
594230.66	4129109.82	0.008	0.009	0.007	0.02412
594265.09	4129109.82	0.009	0.010	0.007	0.02567
594299.52	4129109.82	0.009	0.010	0.008	0.02717
593920.79	4129128.48	0.004	0.005	0.004	0.01269
593955.22	4129128.48	0.005	0.005	0.004	0.01359
593989.65	4129128.48	0.005	0.006	0.004	0.01457
594024.08	4129128.48	0.005	0.006	0.004	0.01562
594058.51	4129128.48	0.006	0.006	0.005	0.01674
594092.94	4129128.48	0.006	0.007	0.005	0.01794
594127.37	4129128.48	0.007	0.007	0.005	0.01920
594161.8	4129128.48	0.007	0.008	0.006	0.02052
594196.23	4129128.48	0.008	0.008	0.006	0.02188
594230.66	4129128.48	0.008	0.009	0.006	0.02325

594265.09	4129128.48	0.008	0.009	0.007	0.02459
594299.52	4129128.48	0.009	0.010	0.007	0.02587
594246.14	4128630.32	0.005	0.005	0.004	0.01437
594272.5	4128630.32	0.005	0.006	0.004	0.01584
594298.86	4128630.32	0.006	0.007	0.005	0.01756
594325.22	4128630.32	0.007	0.007	0.005	0.01959
594351.58	4128630.32	0.008	0.008	0.006	0.02202
594377.94	4128630.32	0.009	0.009	0.007	0.02496
594404.3	4128630.32	0.010	0.011	0.008	0.02857
594430.66	4128630.32	0.011	0.012	0.009	0.03307
594246.14	4128664.43	0.006	0.006	0.005	0.01654
594272.5	4128664.43	0.006	0.007	0.005	0.01836
594298.86	4128664.43	0.007	0.008	0.006	0.02050
594325.22	4128664.43	0.008	0.009	0.006	0.02306
594351.58	4128664.43	0.009	0.010	0.007	0.02614
594377.94	4128664.43	0.010	0.011	0.008	0.02990
594404.3	4128664.43	0.012	0.013	0.010	0.03455
594430.66	4128664.43	0.014	0.015	0.011	0.04045
594246.14	4128698.54	0.007	0.007	0.005	0.01892
594272.5	4128698.54	0.007	0.008	0.006	0.02110
594298.86	4128698.54	0.008	0.009	0.007	0.02368
594325.22	4128698.54	0.009	0.010	0.007	0.02679
594351.58	4128698.54	0.011	0.012	0.008	0.03059
594377.94	4128698.54	0.012	0.013	0.010	0.03519
594404.3	4128698.54	0.014	0.015	0.011	0.04089
594430.66	4128698.54	0.017	0.018	0.013	0.04810
594246.14	4128732.65	0.007	0.008	0.006	0.02134
594272.5	4128732.65	0.008	0.009	0.007	0.02390
594298.86	4128732.65	0.009	0.010	0.007	0.02693
594325.22	4128732.65	0.011	0.012	0.008	0.03056
594351.58	4128732.65	0.012	0.013	0.010	0.03496
594377.94	4128732.65	0.014	0.015	0.011	0.04036
594404.3	4128732.65	0.016	0.018	0.013	0.04696
594430.66	4128732.65	0.019	0.021	0.015	0.05522
594246.14	4128766.76	0.008	0.009	0.007	0.02377
594272.5	4128766.76	0.009	0.010	0.007	0.02666
594298.86	4128766.76	0.010	0.011	0.008	0.03007
594325.22	4128766.76	0.012	0.013	0.009	0.03414
594351.58	4128766.76	0.013	0.015	0.011	0.03905
594377.94	4128766.76	0.016	0.017	0.012	0.04498

594404.3	4128766.76	0.018	0.020	0.014	0.05221
594430.66	4128766.76	0.021	0.023	0.017	0.06114
594246.14	4128800.87	0.009	0.010	0.007	0.02600
594272.5	4128800.87	0.010	0.011	0.008	0.02913
594298.86	4128800.87	0.011	0.012	0.009	0.03283
594325.22	4128800.87	0.013	0.014	0.010	0.03719
594351.58	4128800.87	0.015	0.016	0.012	0.04238
594377.94	4128800.87	0.017	0.018	0.013	0.04861
594404.3	4128800.87	0.019	0.021	0.016	0.05612
594430.66	4128800.87	0.023	0.025	0.018	0.06527
594246.14	4128834.98	0.010	0.011	0.008	0.02793
594272.5	4128834.98	0.011	0.012	0.009	0.03121
594298.86	4128834.98	0.012	0.013	0.010	0.03502
594325.22	4128834.98	0.014	0.015	0.011	0.03949
594351.58	4128834.98	0.015	0.017	0.012	0.04474
594377.94	4128834.98	0.018	0.019	0.014	0.05094
594404.3	4128834.98	0.020	0.022	0.016	0.05831
594430.66	4128834.98	0.023	0.025	0.019	0.06711
594246.14	4128869.09	0.010	0.011	0.008	0.02940
594272.5	4128869.09	0.011	0.012	0.009	0.03269
594298.86	4128869.09	0.013	0.014	0.010	0.03647
594325.22	4128869.09	0.014	0.015	0.011	0.04083
594351.58	4128869.09	0.016	0.017	0.013	0.04588
594377.94	4128869.09	0.018	0.020	0.014	0.05173
594404.3	4128869.09	0.020	0.022	0.016	0.05852
594430.66	4128869.09	0.023	0.025	0.018	0.06641
594246.14	4128903.2	0.010	0.011	0.008	0.03029
594272.5	4128903.2	0.012	0.013	0.009	0.03346
594298.86	4128903.2	0.013	0.014	0.010	0.03705
594325.22	4128903.2	0.014	0.016	0.011	0.04112
594351.58	4128903.2	0.016	0.017	0.013	0.04572
594377.94	4128903.2	0.018	0.019	0.014	0.05093
594404.3	4128903.2	0.020	0.021	0.016	0.05681
594430.66	4128903.2	0.022	0.024	0.018	0.06341
594246.14	4128937.31	0.011	0.012	0.008	0.03056
594272.5	4128937.31	0.012	0.013	0.009	0.03349
594298.86	4128937.31	0.013	0.014	0.010	0.03675
594325.22	4128937.31	0.014	0.015	0.011	0.04038
594351.58	4128937.31	0.015	0.017	0.012	0.04438
594377.94	4128937.31	0.017	0.018	0.014	0.04877

594404.3	4128937.31	0.018	0.020	0.015	0.05357
594430.66	4128937.31	0.020	0.022	0.016	0.05874
594242.73	4128487.55	0.003	0.003	0.002	0.00783
594265.81	4128487.55	0.003	0.003	0.002	0.00826
594288.89	4128487.55	0.003	0.003	0.002	0.00871
594311.97	4128487.55	0.003	0.003	0.003	0.00922
594335.05	4128487.55	0.003	0.004	0.003	0.00977
594358.13	4128487.55	0.004	0.004	0.003	0.01037
594381.21	4128487.55	0.004	0.004	0.003	0.01102
594404.29	4128487.55	0.004	0.004	0.003	0.01173
594427.37	4128487.55	0.004	0.005	0.003	0.01251
594450.45	4128487.55	0.005	0.005	0.004	0.01336
594473.53	4128487.55	0.005	0.005	0.004	0.01433
594242.73	4128510.84	0.003	0.003	0.002	0.00860
594265.81	4128510.84	0.003	0.003	0.003	0.00912
594288.89	4128510.84	0.003	0.004	0.003	0.00969
594311.97	4128510.84	0.004	0.004	0.003	0.01031
594335.05	4128510.84	0.004	0.004	0.003	0.01100
594358.13	4128510.84	0.004	0.004	0.003	0.01177
594381.21	4128510.84	0.004	0.005	0.004	0.01261
594404.29	4128510.84	0.005	0.005	0.004	0.01355
594427.37	4128510.84	0.005	0.006	0.004	0.01459
594450.45	4128510.84	0.005	0.006	0.004	0.01579
594473.53	4128510.84	0.006	0.006	0.005	0.01716
594242.73	4128534.13	0.003	0.004	0.003	0.00947
594265.81	4128534.13	0.003	0.004	0.003	0.01010
594288.89	4128534.13	0.004	0.004	0.003	0.01079
594311.97	4128534.13	0.004	0.004	0.003	0.01156
594335.05	4128534.13	0.004	0.005	0.003	0.01241
594358.13	4128534.13	0.005	0.005	0.004	0.01337
594381.21	4128534.13	0.005	0.005	0.004	0.01445
594404.29	4128534.13	0.005	0.006	0.004	0.01568
594427.37	4128534.13	0.006	0.006	0.005	0.01709
594450.45	4128534.13	0.006	0.007	0.005	0.01875
594473.53	4128534.13	0.007	0.008	0.006	0.02065
594242.73	4128557.42	0.004	0.004	0.003	0.01044
594265.81	4128557.42	0.004	0.004	0.003	0.01118
594288.89	4128557.42	0.004	0.005	0.003	0.01202
594311.97	4128557.42	0.004	0.005	0.004	0.01295
594335.05	4128557.42	0.005	0.005	0.004	0.01401

594358.13	4128557.42	0.005	0.006	0.004	0.01521
594381.21	4128557.42	0.006	0.006	0.005	0.01658
594404.29	4128557.42	0.006	0.007	0.005	0.01817
594427.37	4128557.42	0.007	0.008	0.006	0.02004
594450.45	4128557.42	0.008	0.008	0.006	0.02226
594473.53	4128557.42	0.009	0.009	0.007	0.02489
594242.73	4128580.71	0.004	0.004	0.003	0.01151
594265.81	4128580.71	0.004	0.005	0.003	0.01239
594288.89	4128580.71	0.005	0.005	0.004	0.01339
594311.97	4128580.71	0.005	0.005	0.004	0.01452
594335.05	4128580.71	0.005	0.006	0.004	0.01582
594358.13	4128580.71	0.006	0.007	0.005	0.01730
594381.21	4128580.71	0.007	0.007	0.005	0.01903
594404.29	4128580.71	0.007	0.008	0.006	0.02107
594427.37	4128580.71	0.008	0.009	0.007	0.02349
594450.45	4128580.71	0.009	0.010	0.007	0.02641
594473.53	4128580.71	0.010	0.011	0.008	0.03001
594276.7	4128388.72	0.002	0.002	0.002	0.00556
594305.04	4128388.72	0.002	0.002	0.002	0.00579
594333.38	4128388.72	0.002	0.002	0.002	0.00602
594361.72	4128388.72	0.002	0.002	0.002	0.00625
594390.06	4128388.72	0.002	0.002	0.002	0.00650
594418.4	4128388.72	0.002	0.003	0.002	0.00674
594276.7	4128417	0.002	0.002	0.002	0.00626
594305.04	4128417	0.002	0.002	0.002	0.00656
594333.38	4128417	0.002	0.003	0.002	0.00688
594361.72	4128417	0.002	0.003	0.002	0.00721
594390.06	4128417	0.003	0.003	0.002	0.00756
594418.4	4128417	0.003	0.003	0.002	0.00792
594276.7	4128445.28	0.002	0.003	0.002	0.00706
594305.04	4128445.28	0.003	0.003	0.002	0.00746
594333.38	4128445.28	0.003	0.003	0.002	0.00789
594361.72	4128445.28	0.003	0.003	0.002	0.00836
594390.06	4128445.28	0.003	0.003	0.002	0.00885
594418.4	4128445.28	0.003	0.004	0.003	0.00938
594276.7	4128473.56	0.003	0.003	0.002	0.00797
594305.04	4128473.56	0.003	0.003	0.002	0.00849
594333.38	4128473.56	0.003	0.003	0.003	0.00907
594361.72	4128473.56	0.003	0.004	0.003	0.00971
594390.06	4128473.56	0.004	0.004	0.003	0.01040

594418.4	4128473.56	0.004	0.004	0.003	0.01116
594019.56	4128351.99	0.001	0.001	0.001	0.00349
594057.87	4128351.99	0.001	0.001	0.001	0.00367
594096.18	4128351.99	0.001	0.001	0.001	0.00385
594134.49	4128351.99	0.001	0.002	0.001	0.00403
594172.8	4128351.99	0.001	0.002	0.001	0.00422
594211.11	4128351.99	0.002	0.002	0.001	0.00441
594019.56	4128372.85	0.001	0.001	0.001	0.00368
594057.87	4128372.85	0.001	0.001	0.001	0.00388
594096.18	4128372.85	0.001	0.002	0.001	0.00409
594134.49	4128372.85	0.001	0.002	0.001	0.00431
594172.8	4128372.85	0.002	0.002	0.001	0.00453
594211.11	4128372.85	0.002	0.002	0.001	0.00477
594019.56	4128393.71	0.001	0.001	0.001	0.00387
594057.87	4128393.71	0.001	0.002	0.001	0.00410
594096.18	4128393.71	0.001	0.002	0.001	0.00434
594134.49	4128393.71	0.002	0.002	0.001	0.00459
594172.8	4128393.71	0.002	0.002	0.001	0.00486
594211.11	4128393.71	0.002	0.002	0.001	0.00515
594019.56	4128414.57	0.001	0.002	0.001	0.00407
594057.87	4128414.57	0.001	0.002	0.001	0.00433
594096.18	4128414.57	0.002	0.002	0.001	0.00461
594134.49	4128414.57	0.002	0.002	0.001	0.00490
594172.8	4128414.57	0.002	0.002	0.001	0.00522
594211.11	4128414.57	0.002	0.002	0.002	0.00556
594019.56	4128435.43	0.001	0.002	0.001	0.00429
594057.87	4128435.43	0.002	0.002	0.001	0.00458
594096.18	4128435.43	0.002	0.002	0.001	0.00489
594134.49	4128435.43	0.002	0.002	0.001	0.00523
594172.8	4128435.43	0.002	0.002	0.002	0.00560
594211.11	4128435.43	0.002	0.002	0.002	0.00601
594019.56	4128456.29	0.002	0.002	0.001	0.00453
594057.87	4128456.29	0.002	0.002	0.001	0.00485
594096.18	4128456.29	0.002	0.002	0.001	0.00520
594134.49	4128456.29	0.002	0.002	0.002	0.00558
594172.8	4128456.29	0.002	0.002	0.002	0.00601
594211.11	4128456.29	0.002	0.002	0.002	0.00649
594019.56	4128477.15	0.002	0.002	0.001	0.00478
594057.87	4128477.15	0.002	0.002	0.001	0.00514
594096.18	4128477.15	0.002	0.002	0.002	0.00553

594134.49	4128477.15	0.002	0.002	0.002	0.00597
594172.8	4128477.15	0.002	0.002	0.002	0.00647
594211.11	4128477.15	0.002	0.003	0.002	0.00701
594019.56	4128498.01	0.002	0.002	0.001	0.00506
594057.87	4128498.01	0.002	0.002	0.002	0.00546
594096.18	4128498.01	0.002	0.002	0.002	0.00590
594134.49	4128498.01	0.002	0.002	0.002	0.00639
594172.8	4128498.01	0.002	0.003	0.002	0.00696
594211.11	4128498.01	0.003	0.003	0.002	0.00759
593932.1	4128545.28	0.002	0.002	0.001	0.00487
593958.16	4128545.28	0.002	0.002	0.001	0.00512
593984.22	4128545.28	0.002	0.002	0.001	0.00538
594010.28	4128545.28	0.002	0.002	0.002	0.00568
594036.34	4128545.28	0.002	0.002	0.002	0.00599
594062.4	4128545.28	0.002	0.002	0.002	0.00634
594088.46	4128545.28	0.002	0.003	0.002	0.00672
594114.52	4128545.28	0.002	0.003	0.002	0.00714
594140.58	4128545.28	0.003	0.003	0.002	0.00760
594166.64	4128545.28	0.003	0.003	0.002	0.00811
594192.7	4128545.28	0.003	0.003	0.002	0.00866
593932.1	4128616.57	0.002	0.002	0.002	0.00584
593958.16	4128616.57	0.002	0.002	0.002	0.00618
593984.22	4128616.57	0.002	0.002	0.002	0.00656
594010.28	4128616.57	0.002	0.003	0.002	0.00696
594036.34	4128616.57	0.003	0.003	0.002	0.00741
594062.4	4128616.57	0.003	0.003	0.002	0.00790
594088.46	4128616.57	0.003	0.003	0.002	0.00845
594114.52	4128616.57	0.003	0.003	0.003	0.00906
594140.58	4128616.57	0.003	0.004	0.003	0.00975
594166.64	4128616.57	0.004	0.004	0.003	0.01050
594192.7	4128616.57	0.004	0.004	0.003	0.01138
593932.1	4128687.86	0.002	0.003	0.002	0.00697
593958.16	4128687.86	0.003	0.003	0.002	0.00742
593984.22	4128687.86	0.003	0.003	0.002	0.00792
594010.28	4128687.86	0.003	0.003	0.002	0.00848
594036.34	4128687.86	0.003	0.003	0.003	0.00910
594062.4	4128687.86	0.003	0.004	0.003	0.00979
594088.46	4128687.86	0.004	0.004	0.003	0.01057
594114.52	4128687.86	0.004	0.004	0.003	0.01144
594140.58	4128687.86	0.004	0.005	0.003	0.01242

594166.64	4128687.86	0.005	0.005	0.004	0.01354
594192.7	4128687.86	0.005	0.006	0.004	0.01484
593920.36	4128705.8	0.002	0.003	0.002	0.00707
593960.05	4128705.8	0.003	0.003	0.002	0.00780
593999.74	4128705.8	0.003	0.003	0.002	0.00866
594039.43	4128705.8	0.003	0.004	0.003	0.00965
594079.12	4128705.8	0.004	0.004	0.003	0.01083
594118.81	4128705.8	0.004	0.005	0.003	0.01226
594158.5	4128705.8	0.005	0.005	0.004	0.01399
594198.19	4128705.8	0.006	0.006	0.004	0.01613
593920.36	4128732.44	0.003	0.003	0.002	0.00753
593960.05	4128732.44	0.003	0.003	0.002	0.00833
593999.74	4128732.44	0.003	0.004	0.003	0.00927
594039.43	4128732.44	0.004	0.004	0.003	0.01038
594079.12	4128732.44	0.004	0.004	0.003	0.01169
594118.81	4128732.44	0.005	0.005	0.004	0.01329
594158.5	4128732.44	0.005	0.006	0.004	0.01522
594198.19	4128732.44	0.006	0.007	0.005	0.01761
593920.36	4128759.08	0.003	0.003	0.002	0.00801
593960.05	4128759.08	0.003	0.003	0.002	0.00889
593999.74	4128759.08	0.003	0.004	0.003	0.00992
594039.43	4128759.08	0.004	0.004	0.003	0.01114
594079.12	4128759.08	0.004	0.005	0.003	0.01259
594118.81	4128759.08	0.005	0.005	0.004	0.01435
594158.5	4128759.08	0.006	0.006	0.005	0.01648
594198.19	4128759.08	0.007	0.007	0.005	0.01912
593920.36	4128785.72	0.003	0.003	0.002	0.00851
593960.05	4128785.72	0.003	0.004	0.003	0.00947
593999.74	4128785.72	0.004	0.004	0.003	0.01059
594039.43	4128785.72	0.004	0.005	0.003	0.01192
594079.12	4128785.72	0.005	0.005	0.004	0.01350
594118.81	4128785.72	0.005	0.006	0.004	0.01541
594158.5	4128785.72	0.006	0.007	0.005	0.01774
594198.19	4128785.72	0.007	0.008	0.006	0.02060
593920.36	4128812.36	0.003	0.003	0.003	0.00904
593960.05	4128812.36	0.003	0.004	0.003	0.01007
593999.74	4128812.36	0.004	0.004	0.003	0.01128
594039.43	4128812.36	0.004	0.005	0.004	0.01270
594079.12	4128812.36	0.005	0.005	0.004	0.01440
594118.81	4128812.36	0.006	0.006	0.005	0.01645



594158.5	4128812.36	0.007	0.007	0.005	0.01894
594198.19	4128812.36	0.008	0.008	0.006	0.02200
593920.36	4128839	0.003	0.004	0.003	0.00958
593960.05	4128839	0.004	0.004	0.003	0.01067
593999.74	4128839	0.004	0.005	0.003	0.01195
594039.43	4128839	0.005	0.005	0.004	0.01347
594079.12	4128839	0.005	0.006	0.004	0.01527
594118.81	4128839	0.006	0.007	0.005	0.01744
594158.5	4128839	0.007	0.008	0.006	0.02006
594198.19	4128839	0.008	0.009	0.006	0.02325
593920.36	4128865.64	0.003	0.004	0.003	0.01011
593960.05	4128865.64	0.004	0.004	0.003	0.01126
593999.74	4128865.64	0.004	0.005	0.004	0.01261
594039.43	4128865.64	0.005	0.005	0.004	0.01420
594079.12	4128865.64	0.006	0.006	0.004	0.01609
594118.81	4128865.64	0.006	0.007	0.005	0.01834
594158.5	4128865.64	0.007	0.008	0.006	0.02105
594198.19	4128865.64	0.008	0.009	0.007	0.02433
593920.36	4128892.28	0.004	0.004	0.003	0.01062
593960.05	4128892.28	0.004	0.004	0.003	0.01182
593999.74	4128892.28	0.005	0.005	0.004	0.01323
594039.43	4128892.28	0.005	0.006	0.004	0.01488
594079.12	4128892.28	0.006	0.006	0.005	0.01682
594118.81	4128892.28	0.007	0.007	0.005	0.01913
594158.5	4128892.28	0.008	0.008	0.006	0.02187
594198.19	4128892.28	0.009	0.010	0.007	0.02517
593920.36	4128918.92	0.004	0.004	0.003	0.01109
593960.05	4128918.92	0.004	0.005	0.003	0.01234
593999.74	4128918.92	0.005	0.005	0.004	0.01378
594039.43	4128918.92	0.005	0.006	0.004	0.01547
594079.12	4128918.92	0.006	0.007	0.005	0.01744
594118.81	4128918.92	0.007	0.007	0.005	0.01976
594158.5	4128918.92	0.008	0.008	0.006	0.02249
594198.19	4128918.92	0.009	0.010	0.007	0.02574
593920.36	4128945.56	0.004	0.004	0.003	0.01153
593960.05	4128945.56	0.004	0.005	0.004	0.01280
593999.74	4128945.56	0.005	0.005	0.004	0.01426
594039.43	4128945.56	0.006	0.006	0.004	0.01596
594079.12	4128945.56	0.006	0.007	0.005	0.01792
594118.81	4128945.56	0.007	0.008	0.006	0.02022

594158.5	4128945.56	0.008	0.009	0.006	0.02289
594198.19	4128945.56	0.009	0.010	0.007	0.02602
595128.75	4128512.05	0.040	0.043	0.032	0.11521
595157.74	4128512.05	0.035	0.038	0.028	0.10132
595128.75	4128529.32	0.041	0.044	0.033	0.11754
595157.74	4128529.32	0.035	0.039	0.028	0.10245
595128.75	4128546.59	0.041	0.045	0.033	0.11831
595157.74	4128546.59	0.035	0.039	0.028	0.10235
595362.46	4128329.27	0.014	0.015	0.011	0.04078
595397.07	4128329.27	0.013	0.014	0.010	0.03762
595431.68	4128329.27	0.012	0.013	0.010	0.03465
595466.29	4128329.27	0.011	0.012	0.009	0.03186
595362.46	4128386.58	0.015	0.017	0.012	0.04390
595397.07	4128386.58	0.014	0.015	0.011	0.03976
595431.68	4128386.58	0.012	0.014	0.010	0.03598
595466.29	4128386.58	0.011	0.012	0.009	0.03256
595362.46	4128443.89	0.015	0.017	0.012	0.04484
595397.07	4128443.89	0.014	0.015	0.011	0.03985
595431.68	4128443.89	0.012	0.013	0.010	0.03544
595466.29	4128443.89	0.011	0.012	0.009	0.03157
595362.46	4128501.2	0.015	0.016	0.012	0.04287
595397.07	4128501.2	0.013	0.014	0.010	0.03745
595431.68	4128501.2	0.011	0.012	0.009	0.03282
595466.29	4128501.2	0.010	0.011	0.008	0.02887
594785.72	4129528.1	0.002	0.002	0.002	0.00607
594896.78	4129528.1	0.002	0.002	0.001	0.00476
595007.84	4129528.1	0.001	0.001	0.001	0.00336
595118.9	4129528.1	0.001	0.001	0.001	0.00294
595229.96	4129528.1	0.001	0.001	0.001	0.00284
594785.72	4129568.18	0.002	0.002	0.002	0.00558
594896.78	4129568.18	0.002	0.002	0.001	0.00444
595007.84	4129568.18	0.001	0.001	0.001	0.00313
595118.9	4129568.18	0.001	0.001	0.001	0.00270
595229.96	4129568.18	0.001	0.001	0.001	0.00263
594785.72	4129608.26	0.002	0.002	0.001	0.00515
594896.78	4129608.26	0.001	0.002	0.001	0.00415
595007.84	4129608.26	0.001	0.001	0.001	0.00293
595118.9	4129608.26	0.001	0.001	0.001	0.00249
595229.96	4129608.26	0.001	0.001	0.001	0.00243
594785.72	4129648.34	0.002	0.002	0.001	0.00477

594896.78	4129648.34	0.001	0.001	0.001	0.00390
595007.84	4129648.34	0.001	0.001	0.001	0.00275
595118.9	4129648.34	0.001	0.001	0.001	0.00230
595229.96	4129648.34	0.001	0.001	0.001	0.00225
594785.72	4129688.42	0.002	0.002	0.001	0.00443
594896.78	4129688.42	0.001	0.001	0.001	0.00367
595007.84	4129688.42	0.001	0.001	0.001	0.00260
595118.9	4129688.42	0.001	0.001	0.001	0.00214
595229.96	4129688.42	0.001	0.001	0.001	0.00209
594785.72	4129728.5	0.001	0.002	0.001	0.00413
594896.78	4129728.5	0.001	0.001	0.001	0.00346
595007.84	4129728.5	0.001	0.001	0.001	0.00246
595118.9	4129728.5	0.001	0.001	0.001	0.00200
595229.96	4129728.5	0.001	0.001	0.001	0.00194
594785.72	4129768.58	0.001	0.001	0.001	0.00387
594896.78	4129768.58	0.001	0.001	0.001	0.00328
595007.84	4129768.58	0.001	0.001	0.001	0.00234
595118.9	4129768.58	0.001	0.001	0.001	0.00187
595229.96	4129768.58	0.001	0.001	0.001	0.00180
594785.72	4129808.66	0.001	0.001	0.001	0.00363
594896.78	4129808.66	0.001	0.001	0.001	0.00310
595007.84	4129808.66	0.001	0.001	0.001	0.00223
595118.9	4129808.66	0.001	0.001	0.000	0.00176
595229.96	4129808.66	0.001	0.001	0.000	0.00168
593938.13	4129525.18	0.003	0.003	0.002	0.00846
594005.94	4129525.18	0.003	0.003	0.002	0.00869
594073.75	4129525.18	0.003	0.003	0.002	0.00880
594141.56	4129525.18	0.003	0.003	0.002	0.00880
594209.37	4129525.18	0.003	0.003	0.002	0.00868
594277.18	4129525.18	0.003	0.003	0.002	0.00850
594344.99	4129525.18	0.003	0.003	0.002	0.00830
594412.8	4129525.18	0.003	0.003	0.002	0.00806
594480.61	4129525.18	0.003	0.003	0.002	0.00770
594548.42	4129525.18	0.002	0.003	0.002	0.00719
594616.23	4129525.18	0.002	0.003	0.002	0.00667
593938.13	4129583.05	0.003	0.003	0.002	0.00769
594005.94	4129583.05	0.003	0.003	0.002	0.00780
594073.75	4129583.05	0.003	0.003	0.002	0.00781
594141.56	4129583.05	0.003	0.003	0.002	0.00773
594209.37	4129583.05	0.003	0.003	0.002	0.00759

594277.18	4129583.05	0.003	0.003	0.002	0.00742
594344.99	4129583.05	0.002	0.003	0.002	0.00725
594412.8	4129583.05	0.002	0.003	0.002	0.00703
594480.61	4129583.05	0.002	0.003	0.002	0.00670
594548.42	4129583.05	0.002	0.002	0.002	0.00624
594616.23	4129583.05	0.002	0.002	0.002	0.00580
593938.13	4129640.92	0.002	0.003	0.002	0.00697
594005.94	4129640.92	0.002	0.003	0.002	0.00699
594073.75	4129640.92	0.002	0.003	0.002	0.00694
594141.56	4129640.92	0.002	0.003	0.002	0.00683
594209.37	4129640.92	0.002	0.003	0.002	0.00668
594277.18	4129640.92	0.002	0.002	0.002	0.00654
594344.99	4129640.92	0.002	0.002	0.002	0.00640
594412.8	4129640.92	0.002	0.002	0.002	0.00619
594480.61	4129640.92	0.002	0.002	0.002	0.00588
594548.42	4129640.92	0.002	0.002	0.002	0.00547
594616.23	4129640.92	0.002	0.002	0.001	0.00510
593938.13	4129698.79	0.002	0.002	0.002	0.00630
594005.94	4129698.79	0.002	0.002	0.002	0.00627
594073.75	4129698.79	0.002	0.002	0.002	0.00618
594141.56	4129698.79	0.002	0.002	0.002	0.00606
594209.37	4129698.79	0.002	0.002	0.002	0.00593
594277.18	4129698.79	0.002	0.002	0.002	0.00582
594344.99	4129698.79	0.002	0.002	0.002	0.00569
594412.8	4129698.79	0.002	0.002	0.002	0.00550
594480.61	4129698.79	0.002	0.002	0.001	0.00520
594548.42	4129698.79	0.002	0.002	0.001	0.00483
594616.23	4129698.79	0.002	0.002	0.001	0.00452
593938.13	4129756.66	0.002	0.002	0.002	0.00570
594005.94	4129756.66	0.002	0.002	0.002	0.00563
594073.75	4129756.66	0.002	0.002	0.002	0.00553
594141.56	4129756.66	0.002	0.002	0.002	0.00542
594209.37	4129756.66	0.002	0.002	0.001	0.00531
594277.18	4129756.66	0.002	0.002	0.001	0.00521
594344.99	4129756.66	0.002	0.002	0.001	0.00510
594412.8	4129756.66	0.002	0.002	0.001	0.00491
594480.61	4129756.66	0.002	0.002	0.001	0.00463
594548.42	4129756.66	0.001	0.002	0.001	0.00430
594616.23	4129756.66	0.001	0.002	0.001	0.00404
593938.13	4129814.53	0.002	0.002	0.001	0.00516

594005.94	4129814.53	0.002	0.002	0.001	0.00508
594073.75	4129814.53	0.002	0.002	0.001	0.00497
594141.56	4129814.53	0.002	0.002	0.001	0.00487
594209.37	4129814.53	0.002	0.002	0.001	0.00479
594277.18	4129814.53	0.002	0.002	0.001	0.00471
594344.99	4129814.53	0.002	0.002	0.001	0.00459
594412.8	4129814.53	0.002	0.002	0.001	0.00441
594480.61	4129814.53	0.001	0.002	0.001	0.00415
594548.42	4129814.53	0.001	0.001	0.001	0.00385
594616.23	4129814.53	0.001	0.001	0.001	0.00364
593667	4128083.42	0.000	0.001	0.000	0.00145
593722.02	4128083.42	0.001	0.001	0.000	0.00148
593777.04	4128083.42	0.001	0.001	0.000	0.00151
593832.06	4128083.42	0.001	0.001	0.000	0.00154
593667	4128157.74	0.001	0.001	0.000	0.00168
593722.02	4128157.74	0.001	0.001	0.000	0.00174
593777.04	4128157.74	0.001	0.001	0.001	0.00180
593832.06	4128157.74	0.001	0.001	0.001	0.00186
593667	4128232.06	0.001	0.001	0.001	0.00188
593722.02	4128232.06	0.001	0.001	0.001	0.00198
593777.04	4128232.06	0.001	0.001	0.001	0.00209
593832.06	4128232.06	0.001	0.001	0.001	0.00220
593667	4128306.38	0.001	0.001	0.001	0.00209
593722.02	4128306.38	0.001	0.001	0.001	0.00222
593777.04	4128306.38	0.001	0.001	0.001	0.00237
593832.06	4128306.38	0.001	0.001	0.001	0.00253
593667	4128380.7	0.001	0.001	0.001	0.00233
593722.02	4128380.7	0.001	0.001	0.001	0.00249
593777.04	4128380.7	0.001	0.001	0.001	0.00268
593832.06	4128380.7	0.001	0.001	0.001	0.00288
593667	4128455.02	0.001	0.001	0.001	0.00265
593722.02	4128455.02	0.001	0.001	0.001	0.00285
593777.04	4128455.02	0.001	0.001	0.001	0.00308
593832.06	4128455.02	0.001	0.001	0.001	0.00333
593667	4128529.34	0.001	0.001	0.001	0.00306
593722.02	4128529.34	0.001	0.001	0.001	0.00331
593777.04	4128529.34	0.001	0.001	0.001	0.00360
593832.06	4128529.34	0.001	0.001	0.001	0.00393
593667	4128603.66	0.001	0.001	0.001	0.00353
593722.02	4128603.66	0.001	0.001	0.001	0.00385

593777.04	4128603.66	0.001	0.002	0.001	0.00422
593832.06	4128603.66	0.002	0.002	0.001	0.00466
593667	4128677.98	0.001	0.002	0.001	0.00403
593722.02	4128677.98	0.002	0.002	0.001	0.00444
593777.04	4128677.98	0.002	0.002	0.001	0.00491
593832.06	4128677.98	0.002	0.002	0.002	0.00548
593667	4128752.3	0.002	0.002	0.001	0.00459
593722.02	4128752.3	0.002	0.002	0.001	0.00510
593777.04	4128752.3	0.002	0.002	0.002	0.00570
593832.06	4128752.3	0.002	0.002	0.002	0.00641
593667	4128826.62	0.002	0.002	0.001	0.00525
593722.02	4128826.62	0.002	0.002	0.002	0.00586
593777.04	4128826.62	0.002	0.002	0.002	0.00660
593832.06	4128826.62	0.003	0.003	0.002	0.00748
593667	4128900.94	0.002	0.002	0.002	0.00598
593722.02	4128900.94	0.002	0.003	0.002	0.00671
593777.04	4128900.94	0.003	0.003	0.002	0.00758
593832.06	4128900.94	0.003	0.003	0.002	0.00862
593667	4128975.26	0.002	0.003	0.002	0.00672
593722.02	4128975.26	0.003	0.003	0.002	0.00754
593777.04	4128975.26	0.003	0.003	0.002	0.00850
593832.06	4128975.26	0.003	0.004	0.003	0.00964
593667	4129049.58	0.003	0.003	0.002	0.00736
593722.02	4129049.58	0.003	0.003	0.002	0.00821
593777.04	4129049.58	0.003	0.003	0.003	0.00920
593832.06	4129049.58	0.004	0.004	0.003	0.01035
594352.86	4127540.64	0.000	0.000	0.000	0.00038
594416.15	4127540.64	0.000	0.000	0.000	0.00040
594479.44	4127540.64	0.000	0.000	0.000	0.00046
594542.73	4127540.64	0.000	0.000	0.000	0.00056
594606.02	4127540.64	0.000	0.000	0.000	0.00069
594669.31	4127540.64	0.000	0.000	0.000	0.00087
594732.6	4127540.64	0.000	0.000	0.000	0.00108
594795.89	4127540.64	0.000	0.001	0.000	0.00134
594859.18	4127540.64	0.001	0.001	0.000	0.00163
594922.47	4127540.64	0.001	0.001	0.001	0.00196
594985.76	4127540.64	0.001	0.001	0.001	0.00232
595049.05	4127540.64	0.001	0.001	0.001	0.00272
595112.34	4127540.64	0.001	0.001	0.001	0.00314
595175.63	4127540.64	0.001	0.001	0.001	0.00358

595238.92	4127540.64	0.001	0.002	0.001	0.00401
595302.21	4127540.64	0.002	0.002	0.001	0.00443
595365.5	4127540.64	0.002	0.002	0.001	0.00482
595428.79	4127540.64	0.002	0.002	0.001	0.00517
595492.08	4127540.64	0.002	0.002	0.002	0.00546
595555.37	4127540.64	0.002	0.002	0.002	0.00570
595618.66	4127540.64	0.002	0.002	0.002	0.00588
594352.86	4127567.33	0.000	0.000	0.000	0.00040
594416.15	4127567.33	0.000	0.000	0.000	0.00042
594479.44	4127567.33	0.000	0.000	0.000	0.00048
594542.73	4127567.33	0.000	0.000	0.000	0.00058
594606.02	4127567.33	0.000	0.000	0.000	0.00072
594669.31	4127567.33	0.000	0.000	0.000	0.00091
594732.6	4127567.33	0.000	0.000	0.000	0.00114
594795.89	4127567.33	0.000	0.001	0.000	0.00141
594859.18	4127567.33	0.001	0.001	0.000	0.00173
594922.47	4127567.33	0.001	0.001	0.001	0.00209
594985.76	4127567.33	0.001	0.001	0.001	0.00249
595049.05	4127567.33	0.001	0.001	0.001	0.00292
595112.34	4127567.33	0.001	0.001	0.001	0.00338
595175.63	4127567.33	0.001	0.001	0.001	0.00385
595238.92	4127567.33	0.001	0.002	0.001	0.00432
595302.21	4127567.33	0.002	0.002	0.001	0.00475
595365.5	4127567.33	0.002	0.002	0.001	0.00517
595428.79	4127567.33	0.002	0.002	0.002	0.00552
595492.08	4127567.33	0.002	0.002	0.002	0.00582
595555.37	4127567.33	0.002	0.002	0.002	0.00605
595618.66	4127567.33	0.002	0.002	0.002	0.00622
594352.86	4127594.02	0.000	0.000	0.000	0.00043
594416.15	4127594.02	0.000	0.000	0.000	0.00045
594479.44	4127594.02	0.000	0.000	0.000	0.00051
594542.73	4127594.02	0.000	0.000	0.000	0.00061
594606.02	4127594.02	0.000	0.000	0.000	0.00076
594669.31	4127594.02	0.000	0.000	0.000	0.00096
594732.6	4127594.02	0.000	0.000	0.000	0.00121
594795.89	4127594.02	0.001	0.001	0.000	0.00150
594859.18	4127594.02	0.001	0.001	0.001	0.00185
594922.47	4127594.02	0.001	0.001	0.001	0.00223
594985.76	4127594.02	0.001	0.001	0.001	0.00267
595049.05	4127594.02	0.001	0.001	0.001	0.00314

595112.34	4127594.02	0.001	0.001	0.001	0.00364
595175.63	4127594.02	0.001	0.002	0.001	0.00414
595238.92	4127594.02	0.002	0.002	0.001	0.00464
595302.21	4127594.02	0.002	0.002	0.001	0.00511
595365.5	4127594.02	0.002	0.002	0.002	0.00554
595428.79	4127594.02	0.002	0.002	0.002	0.00590
595492.08	4127594.02	0.002	0.002	0.002	0.00620
595555.37	4127594.02	0.002	0.002	0.002	0.00643
595618.66	4127594.02	0.002	0.002	0.002	0.00658
594352.86	4127620.71	0.000	0.000	0.000	0.00045
594416.15	4127620.71	0.000	0.000	0.000	0.00048
594479.44	4127620.71	0.000	0.000	0.000	0.00054
594542.73	4127620.71	0.000	0.000	0.000	0.00064
594606.02	4127620.71	0.000	0.000	0.000	0.00079
594669.31	4127620.71	0.000	0.000	0.000	0.00101
594732.6	4127620.71	0.000	0.000	0.000	0.00128
594795.89	4127620.71	0.001	0.001	0.000	0.00160
594859.18	4127620.71	0.001	0.001	0.001	0.00197
594922.47	4127620.71	0.001	0.001	0.001	0.00240
594985.76	4127620.71	0.001	0.001	0.001	0.00287
595049.05	4127620.71	0.001	0.001	0.001	0.00338
595112.34	4127620.71	0.001	0.001	0.001	0.00393
595175.63	4127620.71	0.002	0.002	0.001	0.00447
595238.92	4127620.71	0.002	0.002	0.001	0.00500
595302.21	4127620.71	0.002	0.002	0.002	0.00550
595365.5	4127620.71	0.002	0.002	0.002	0.00594
595428.79	4127620.71	0.002	0.002	0.002	0.00631
595492.08	4127620.71	0.002	0.002	0.002	0.00661
595555.37	4127620.71	0.002	0.003	0.002	0.00683
595618.66	4127620.71	0.002	0.003	0.002	0.00697
594352.86	4127647.4	0.000	0.000	0.000	0.00048
594416.15	4127647.4	0.000	0.000	0.000	0.00050
594479.44	4127647.4	0.000	0.000	0.000	0.00057
594542.73	4127647.4	0.000	0.000	0.000	0.00068
594606.02	4127647.4	0.000	0.000	0.000	0.00083
594669.31	4127647.4	0.000	0.000	0.000	0.00107
594732.6	4127647.4	0.000	0.001	0.000	0.00136
594795.89	4127647.4	0.001	0.001	0.000	0.00171
594859.18	4127647.4	0.001	0.001	0.001	0.00211
594922.47	4127647.4	0.001	0.001	0.001	0.00258



594985.76	4127647.4	0.001	0.001	0.001	0.00310
595049.05	4127647.4	0.001	0.001	0.001	0.00366
595112.34	4127647.4	0.001	0.002	0.001	0.00424
595175.63	4127647.4	0.002	0.002	0.001	0.00484
595238.92	4127647.4	0.002	0.002	0.002	0.00540
595302.21	4127647.4	0.002	0.002	0.002	0.00593
595365.5	4127647.4	0.002	0.002	0.002	0.00638
595428.79	4127647.4	0.002	0.003	0.002	0.00676
595492.08	4127647.4	0.002	0.003	0.002	0.00705
595555.37	4127647.4	0.002	0.003	0.002	0.00726
595618.66	4127647.4	0.003	0.003	0.002	0.00737
594352.86	4127674.09	0.000	0.000	0.000	0.00050
594416.15	4127674.09	0.000	0.000	0.000	0.00053
594479.44	4127674.09	0.000	0.000	0.000	0.00060
594542.73	4127674.09	0.000	0.000	0.000	0.00072
594606.02	4127674.09	0.000	0.000	0.000	0.00088
594669.31	4127674.09	0.000	0.000	0.000	0.00113
594732.6	4127674.09	0.000	0.001	0.000	0.00144
594795.89	4127674.09	0.001	0.001	0.001	0.00182
594859.18	4127674.09	0.001	0.001	0.001	0.00227
594922.47	4127674.09	0.001	0.001	0.001	0.00278
594985.76	4127674.09	0.001	0.001	0.001	0.00335
595049.05	4127674.09	0.001	0.002	0.001	0.00396
595112.34	4127674.09	0.002	0.002	0.001	0.00460
595175.63	4127674.09	0.002	0.002	0.001	0.00523
595238.92	4127674.09	0.002	0.002	0.002	0.00585
595302.21	4127674.09	0.002	0.002	0.002	0.00639
595365.5	4127674.09	0.002	0.003	0.002	0.00686
595428.79	4127674.09	0.002	0.003	0.002	0.00725
595492.08	4127674.09	0.003	0.003	0.002	0.00753
595555.37	4127674.09	0.003	0.003	0.002	0.00771
595618.66	4127674.09	0.003	0.003	0.002	0.00779
594352.86	4127700.78	0.000	0.000	0.000	0.00053
594416.15	4127700.78	0.000	0.000	0.000	0.00057
594479.44	4127700.78	0.000	0.000	0.000	0.00064
594542.73	4127700.78	0.000	0.000	0.000	0.00076
594606.02	4127700.78	0.000	0.000	0.000	0.00093
594669.31	4127700.78	0.000	0.000	0.000	0.00119
594732.6	4127700.78	0.001	0.001	0.000	0.00154
594795.89	4127700.78	0.001	0.001	0.001	0.00196

594859.18	4127700.78	0.001	0.001	0.001	0.00244
594922.47	4127700.78	0.001	0.001	0.001	0.00300
594985.76	4127700.78	0.001	0.001	0.001	0.00363
595049.05	4127700.78	0.001	0.002	0.001	0.00430
595112.34	4127700.78	0.002	0.002	0.001	0.00500
595175.63	4127700.78	0.002	0.002	0.002	0.00569
595238.92	4127700.78	0.002	0.002	0.002	0.00633
595302.21	4127700.78	0.002	0.003	0.002	0.00691
595365.5	4127700.78	0.003	0.003	0.002	0.00739
595428.79	4127700.78	0.003	0.003	0.002	0.00777
595492.08	4127700.78	0.003	0.003	0.002	0.00803
595555.37	4127700.78	0.003	0.003	0.002	0.00819
595618.66	4127700.78	0.003	0.003	0.002	0.00824
595497.7	4127730.05	0.003	0.003	0.002	0.00864
595572.99	4127730.05	0.003	0.003	0.002	0.00876
595648.28	4127730.05	0.003	0.003	0.002	0.00873
595723.57	4127730.05	0.003	0.003	0.002	0.00859
595798.86	4127730.05	0.003	0.003	0.002	0.00835
595497.7	4127796.4	0.003	0.004	0.003	0.01015
595572.99	4127796.4	0.003	0.004	0.003	0.01013
595648.28	4127796.4	0.003	0.004	0.003	0.00996
595723.57	4127796.4	0.003	0.004	0.003	0.00967
595798.86	4127796.4	0.003	0.004	0.003	0.00930
595497.7	4127862.75	0.004	0.004	0.003	0.01191
595572.99	4127862.75	0.004	0.004	0.003	0.01170
595648.28	4127862.75	0.004	0.004	0.003	0.01134
595723.57	4127862.75	0.004	0.004	0.003	0.01087
595798.86	4127862.75	0.004	0.004	0.003	0.01033
595497.7	4127929.1	0.005	0.005	0.004	0.01395
595572.99	4127929.1	0.005	0.005	0.004	0.01348
595648.28	4127929.1	0.004	0.005	0.004	0.01287
595723.57	4127929.1	0.004	0.005	0.003	0.01217
595798.86	4127929.1	0.004	0.004	0.003	0.01143
595497.7	4127995.45	0.006	0.006	0.005	0.01631
595572.99	4127995.45	0.005	0.006	0.004	0.01548
595648.28	4127995.45	0.005	0.005	0.004	0.01454
595723.57	4127995.45	0.005	0.005	0.004	0.01355
595798.86	4127995.45	0.004	0.005	0.003	0.01254
595497.7	4128061.8	0.007	0.007	0.005	0.01898
595572.99	4128061.8	0.006	0.007	0.005	0.01768

595648.28	4128061.8	0.006	0.006	0.005	0.01630
595723.57	4128061.8	0.005	0.006	0.004	0.01493
595798.86	4128061.8	0.005	0.005	0.004	0.01359
595497.7	4128128.15	0.008	0.008	0.006	0.02193
595572.99	4128128.15	0.007	0.008	0.006	0.01997
595648.28	4128128.15	0.006	0.007	0.005	0.01803
595723.57	4128128.15	0.006	0.006	0.004	0.01617
595798.86	4128128.15	0.005	0.005	0.004	0.01443
595497.7	4128194.5	0.009	0.009	0.007	0.02496
595572.99	4128194.5	0.008	0.008	0.006	0.02213
595648.28	4128194.5	0.007	0.007	0.005	0.01948
595723.57	4128194.5	0.006	0.006	0.005	0.01706
595798.86	4128194.5	0.005	0.006	0.004	0.01488
595497.7	4128260.85	0.010	0.010	0.008	0.02768
595572.99	4128260.85	0.008	0.009	0.007	0.02379
595648.28	4128260.85	0.007	0.008	0.006	0.02035
595723.57	4128260.85	0.006	0.007	0.005	0.01736
595798.86	4128260.85	0.005	0.006	0.004	0.01480
595497.7	4128327.2	0.010	0.011	0.008	0.02947
595572.99	4128327.2	0.008	0.009	0.007	0.02449
595648.28	4128327.2	0.007	0.008	0.006	0.02033
595723.57	4128327.2	0.006	0.006	0.005	0.01690
595798.86	4128327.2	0.005	0.005	0.004	0.01409
595497.7	4128393.55	0.010	0.011	0.008	0.02966
595572.99	4128393.55	0.008	0.009	0.007	0.02382
595648.28	4128393.55	0.007	0.007	0.005	0.01924
595723.57	4128393.55	0.005	0.006	0.004	0.01564
595798.86	4128393.55	0.004	0.005	0.004	0.01283
595497.7	4128459.9	0.010	0.011	0.008	0.02785
595572.99	4128459.9	0.007	0.008	0.006	0.02175
595648.28	4128459.9	0.006	0.006	0.005	0.01721
595723.57	4128459.9	0.005	0.005	0.004	0.01381
595798.86	4128459.9	0.004	0.004	0.003	0.01123
595497.7	4128526.25	0.008	0.009	0.007	0.02427
595572.99	4128526.25	0.006	0.007	0.005	0.01866
595648.28	4128526.25	0.005	0.006	0.004	0.01465
595723.57	4128526.25	0.004	0.004	0.003	0.01173
595798.86	4128526.25	0.003	0.004	0.003	0.00956
595497.7	4128592.6	0.007	0.007	0.006	0.01981
595572.99	4128592.6	0.005	0.006	0.004	0.01527

595648.28	4128592.6	0.004	0.005	0.003	0.01208
595723.57	4128592.6	0.003	0.004	0.003	0.00977
595798.86	4128592.6	0.003	0.003	0.002	0.00806
595497.7	4128658.95	0.005	0.006	0.004	0.01542
595572.99	4128658.95	0.004	0.005	0.003	0.01221
595648.28	4128658.95	0.003	0.004	0.003	0.00985
595723.57	4128658.95	0.003	0.003	0.002	0.00812
595798.86	4128658.95	0.002	0.003	0.002	0.00682
595497.7	4128725.3	0.004	0.004	0.003	0.01182
595572.99	4128725.3	0.003	0.004	0.003	0.00969
595648.28	4128725.3	0.003	0.003	0.002	0.00804
595723.57	4128725.3	0.002	0.003	0.002	0.00679
595798.86	4128725.3	0.002	0.002	0.002	0.00582
595312.78	4128113.49	0.009	0.009	0.007	0.02490
595353.37	4128113.49	0.008	0.009	0.007	0.02429
595393.96	4128113.49	0.008	0.009	0.007	0.02354
595434.55	4128113.49	0.008	0.009	0.006	0.02270
595312.78	4128167.08	0.010	0.011	0.008	0.02937
595353.37	4128167.08	0.010	0.011	0.008	0.02827
595393.96	4128167.08	0.009	0.010	0.008	0.02706
595434.55	4128167.08	0.009	0.010	0.007	0.02577
595312.78	4128220.67	0.012	0.013	0.010	0.03445
595353.37	4128220.67	0.011	0.012	0.009	0.03267
595393.96	4128220.67	0.011	0.012	0.009	0.03082
595434.55	4128220.67	0.010	0.011	0.008	0.02895
595312.78	4128274.26	0.014	0.015	0.011	0.03996
595353.37	4128274.26	0.013	0.014	0.010	0.03724
595393.96	4128274.26	0.012	0.013	0.010	0.03456
595434.55	4128274.26	0.011	0.012	0.009	0.03196
593786.29	4129268.12	0.003	0.004	0.003	0.00950
593838.34	4129268.12	0.004	0.004	0.003	0.01028
593786.29	4129289.04	0.003	0.004	0.003	0.00939
593838.34	4129289.04	0.003	0.004	0.003	0.01014
593786.29	4129309.96	0.003	0.004	0.003	0.00928
593838.34	4129309.96	0.003	0.004	0.003	0.00998
595225.34	4128413.88	0.023	0.026	0.019	0.06806
595225.34	4128445.98	0.025	0.027	0.020	0.07196
595225.34	4128478.09	0.026	0.028	0.021	0.07450
595225.34	4128510.2	0.026	0.028	0.021	0.07523
595230.915	4128413.39	0.023	0.025	0.019	0.06688

595236.491	4128445.01	0.024	0.026	0.019	0.06918
595242.066	4128476.63	0.024	0.026	0.019	0.06977
595247.641	4128508.25	0.024	0.026	0.019	0.06837
595236.321	4128411.94	0.023	0.025	0.018	0.06563
595247.302	4128442.11	0.023	0.025	0.018	0.06644
595258.283	4128472.28	0.023	0.025	0.018	0.06545
595269.265	4128502.45	0.022	0.024	0.017	0.06256
595241.393	4128409.58	0.022	0.024	0.018	0.06437
595257.447	4128437.38	0.022	0.024	0.018	0.06386
595273.5	4128465.19	0.021	0.023	0.017	0.06166
595289.553	4128492.99	0.020	0.022	0.016	0.05784
595245.978	4128406.37	0.022	0.024	0.018	0.06313
595266.616	4128430.96	0.021	0.023	0.017	0.06149
595287.253	4128455.56	0.020	0.022	0.016	0.05843
595307.891	4128480.15	0.019	0.020	0.015	0.05412
595249.935	4128402.41	0.021	0.023	0.017	0.06195
595274.53	4128423.05	0.020	0.022	0.016	0.05938
595299.126	4128443.68	0.019	0.021	0.015	0.05574
595323.721	4128464.32	0.018	0.019	0.014	0.05124
595253.145	4128397.82	0.021	0.023	0.017	0.06085
595280.95	4128413.88	0.020	0.022	0.016	0.05754
595308.756	4128429.93	0.018	0.020	0.015	0.05352
595336.561	4128445.98	0.017	0.019	0.014	0.04902
595255.51	4128392.75	0.021	0.023	0.017	0.05986
595285.681	4128403.73	0.019	0.021	0.016	0.05594
595315.851	4128414.71	0.018	0.020	0.014	0.05170
595346.022	4128425.69	0.016	0.018	0.013	0.04729
595256.959	4128387.35	0.020	0.022	0.016	0.05898
595288.578	4128392.92	0.019	0.021	0.015	0.05459
595320.197	4128398.5	0.017	0.019	0.014	0.05021
595351.816	4128404.07	0.016	0.017	0.013	0.04592
595257.447	4128381.77	0.020	0.022	0.016	0.05823
595289.553	4128381.77	0.018	0.020	0.015	0.05345
595321.66	4128381.77	0.017	0.018	0.014	0.04896
595353.767	4128381.77	0.015	0.017	0.012	0.04479
595256.959	4128376.19	0.020	0.022	0.016	0.05761
595288.578	4128370.62	0.018	0.020	0.015	0.05252
595320.197	4128365.04	0.017	0.018	0.013	0.04794
595351.816	4128359.47	0.015	0.017	0.012	0.04382
595255.51	4128370.79	0.020	0.022	0.016	0.05713

595285.681	4128359.81	0.018	0.020	0.014	0.05178
595315.851	4128348.83	0.016	0.018	0.013	0.04710
595346.022	4128337.85	0.015	0.016	0.012	0.04298
595253.145	4128365.72	0.020	0.021	0.016	0.05679
595280.95	4128349.66	0.018	0.019	0.014	0.05123
595308.756	4128333.61	0.016	0.018	0.013	0.04643
595336.561	4128317.56	0.015	0.016	0.012	0.04226
595249.935	4128361.13	0.020	0.021	0.016	0.05660
595274.53	4128340.49	0.018	0.019	0.014	0.05088
595299.126	4128319.86	0.016	0.017	0.013	0.04595
595323.721	4128299.22	0.014	0.016	0.012	0.04168
595245.978	4128357.17	0.020	0.021	0.016	0.05656
595266.616	4128332.58	0.018	0.019	0.014	0.05074
595287.253	4128307.98	0.016	0.017	0.013	0.04568
595307.891	4128283.39	0.014	0.016	0.011	0.04127
595241.393	4128353.96	0.020	0.021	0.016	0.05668
595257.447	4128326.16	0.018	0.019	0.014	0.05082
595273.5	4128298.35	0.016	0.017	0.013	0.04564
595289.553	4128270.55	0.014	0.016	0.011	0.04108
595236.321	4128351.6	0.020	0.022	0.016	0.05696
595247.302	4128321.43	0.018	0.019	0.014	0.05115
595258.283	4128291.26	0.016	0.017	0.013	0.04589
595269.265	4128261.09	0.014	0.016	0.011	0.04116
595230.915	4128350.15	0.020	0.022	0.016	0.05741
595236.491	4128318.53	0.018	0.020	0.014	0.05175
595242.066	4128286.91	0.016	0.018	0.013	0.04645
595247.641	4128255.29	0.014	0.016	0.012	0.04159
595225.34	4128349.66	0.020	0.022	0.016	0.05803
595225.34	4128317.56	0.018	0.020	0.015	0.05264
595225.34	4128285.45	0.016	0.018	0.013	0.04738
595225.34	4128253.34	0.015	0.016	0.012	0.04242
595219.765	4128350.15	0.020	0.022	0.016	0.05880
595214.189	4128318.53	0.019	0.020	0.015	0.05385
595208.614	4128286.91	0.017	0.018	0.014	0.04875
595203.039	4128255.29	0.015	0.017	0.012	0.04374
595214.359	4128351.6	0.021	0.023	0.017	0.05974
595203.378	4128321.43	0.019	0.021	0.015	0.05539
595192.397	4128291.26	0.017	0.019	0.014	0.05061
595181.415	4128261.09	0.016	0.017	0.013	0.04567
595209.287	4128353.96	0.021	0.023	0.017	0.06082

595193.233	4128326.16	0.020	0.022	0.016	0.05729
595177.18	4128298.35	0.018	0.020	0.015	0.05302
595161.127	4128270.55	0.017	0.018	0.013	0.04831
595204.702	4128357.17	0.021	0.023	0.017	0.06203
595184.064	4128332.58	0.021	0.022	0.017	0.05953
595163.427	4128307.98	0.019	0.021	0.016	0.05604
595142.789	4128283.39	0.018	0.020	0.014	0.05181
595200.745	4128361.13	0.022	0.024	0.018	0.06332
595176.15	4128340.49	0.021	0.023	0.017	0.06210
595151.555	4128319.86	0.021	0.023	0.017	0.05971
595126.959	4128299.22	0.019	0.021	0.016	0.05631
595197.535	4128365.72	0.022	0.024	0.018	0.06468
595169.73	4128349.66	0.022	0.025	0.018	0.06494
595141.924	4128333.61	0.022	0.024	0.018	0.06402
595114.119	4128317.56	0.021	0.023	0.017	0.06192
595195.17	4128370.79	0.023	0.025	0.018	0.06604
595164.999	4128359.81	0.023	0.026	0.019	0.06796
595134.829	4128348.83	0.024	0.026	0.019	0.06889
595104.658	4128337.85	0.024	0.026	0.019	0.06867
595193.721	4128376.19	0.023	0.025	0.019	0.06735
595162.102	4128370.62	0.025	0.027	0.020	0.07102
595130.483	4128365.04	0.026	0.028	0.021	0.07412
595098.864	4128359.47	0.026	0.029	0.021	0.07640
595193.233	4128381.77	0.024	0.026	0.019	0.06855
595161.127	4128381.77	0.026	0.028	0.021	0.07396
595129.02	4128381.77	0.027	0.030	0.022	0.07940
595096.913	4128381.77	0.029	0.032	0.024	0.08470
595193.721	4128387.35	0.024	0.026	0.019	0.06958
595162.102	4128392.92	0.026	0.029	0.021	0.07656
595130.483	4128398.5	0.029	0.032	0.023	0.08428
595098.864	4128404.07	0.032	0.035	0.026	0.09276
595195.17	4128392.75	0.024	0.027	0.020	0.07038
595164.999	4128403.73	0.027	0.030	0.022	0.07862
595134.829	4128414.71	0.030	0.033	0.024	0.08824
595104.658	4128425.69	0.034	0.038	0.028	0.09953
595197.535	4128397.82	0.024	0.027	0.020	0.07091
595169.73	4128413.88	0.028	0.030	0.022	0.07996
595141.924	4128429.93	0.031	0.034	0.025	0.09079
595114.119	4128445.98	0.036	0.039	0.029	0.10389
595200.745	4128402.41	0.025	0.027	0.020	0.07114

595176.15	4128423.05	0.028	0.030	0.022	0.08046
595151.555	4128443.68	0.032	0.035	0.025	0.09160
595126.959	4128464.32	0.036	0.040	0.029	0.10505
595204.702	4128406.37	0.025	0.027	0.020	0.07105
595184.064	4128430.96	0.028	0.030	0.022	0.08008
595163.427	4128455.56	0.031	0.034	0.025	0.09058
595142.789	4128480.15	0.035	0.039	0.029	0.10283
595209.287	4128409.58	0.024	0.027	0.020	0.07067
595193.233	4128437.38	0.027	0.030	0.022	0.07888
595177.18	4128465.19	0.030	0.033	0.024	0.08791
595161.127	4128492.99	0.034	0.037	0.027	0.09771
595214.359	4128411.94	0.024	0.026	0.019	0.07001
595203.378	4128442.11	0.027	0.029	0.021	0.07701
595192.397	4128472.28	0.029	0.032	0.023	0.08401
595181.415	4128502.45	0.031	0.034	0.025	0.09068
595219.765	4128413.39	0.024	0.026	0.019	0.06913
595214.189	4128445.01	0.026	0.028	0.021	0.07463
595208.614	4128476.63	0.027	0.030	0.022	0.07938
595203.039	4128508.25	0.029	0.031	0.023	0.08287
594645.59	4128502.87	0.014	0.015	0.011	0.03974
594644.51	4128523.39	0.021	0.023	0.017	0.05978
594640.67	4128547.67	0.032	0.035	0.026	0.09286
594778.05	4128503.58	0.129	0.141	0.104	0.37368
594789.55	4128515.08	0.152	0.166	0.122	0.44102
594800.41	4128527.22	0.174	0.191	0.140	0.50532
594813.83	4128543.19	0.200	0.219	0.161	0.58013
594859.83	4128584.08	0.225	0.246	0.181	0.65058
594870.05	4128594.31	0.226	0.247	0.182	0.65577
594880.91	4128605.81	0.227	0.248	0.182	0.65669
594891.78	4128616.67	0.223	0.244	0.179	0.64630
594611.28	4128774.49	0.089	0.097	0.072	0.25779
594594.03	4128775.13	0.074	0.081	0.060	0.21585
594611.92	4128737.43	0.088	0.096	0.070	0.25396
594614.48	4128716.98	0.086	0.094	0.069	0.25008
594595.95	4128717.62	0.070	0.077	0.056	0.20282
594590.84	4128739.35	0.070	0.076	0.056	0.20260
594572.95	4128737.43	0.058	0.064	0.047	0.16878
594558.25	4128731.68	0.050	0.055	0.040	0.14485
594650.26	4128653.09	0.112	0.123	0.090	0.32516
594556.33	4128743.18	0.051	0.055	0.041	0.14644



594156.81	4128109.88	0.001	0.001	0.001	0.00258
594173.28	4128104.16	0.001	0.001	0.001	0.00273
594204.67	4128130.51	0.001	0.001	0.001	0.00252
594294.16	4128082.57	0.001	0.002	0.001	0.00392
594402.07	4128182.58	0.001	0.001	0.001	0.00266
594560.99	4128457.35	0.005	0.005	0.004	0.01410
594484.6	4128319.73	0.002	0.002	0.001	0.00476
594496.18	4128330.79	0.002	0.002	0.001	0.00510
594785.03	4128768.48	0.359	0.392	0.288	1.03922
594809.73	4128769.39	0.264	0.289	0.212	0.76504
594853.71	4128775.36	0.149	0.163	0.120	0.43258
594860.97	4128775.36	0.136	0.149	0.109	0.39394
594896.14	4128777.48	0.075	0.082	0.060	0.21650
595133.8	4128685.43	0.027	0.029	0.022	0.07753
594914.19	4128786.67	0.051	0.056	0.041	0.14865
594874.82	4128777.83	0.105	0.115	0.084	0.30349
594152.05	4128129.79	0.001	0.001	0.001	0.00242
594202.81	4128148.84	0.001	0.001	0.001	0.00250
594241.18	4128131.38	0.001	0.001	0.001	0.00257
594332.26	4128103.12	0.001	0.001	0.001	0.00291
594456.05	4128365.74	0.002	0.002	0.002	0.00614
594570.17	4128468.28	0.006	0.006	0.004	0.01610
594462.2	4128339.56	0.002	0.002	0.001	0.00530
594506.43	4128340.91	0.002	0.002	0.002	0.00545
594790.08	4128779.43	0.261	0.286	0.210	0.75747
594830.62	4128770.02	0.213	0.232	0.171	0.61579
594782.57	4128786.09	0.229	0.250	0.184	0.66225
594852.94	4128785.86	0.118	0.129	0.095	0.34063
594873.88	4128804.73	0.058	0.064	0.047	0.16943
595133.34	4128701.89	0.024	0.026	0.019	0.06929
595019.02	4128685.83	0.070	0.077	0.057	0.20412
595057.48	4128670.69	0.053	0.058	0.043	0.15434
595058.31	4128653.72	0.057	0.062	0.046	0.16474
595056.86	4128637.66	0.060	0.066	0.048	0.17468
594151.73	4128146.21	0.001	0.001	0.001	0.00240
594240.91	4128149.07	0.001	0.001	0.001	0.00255
594174.19	4128094.46	0.001	0.001	0.001	0.00299
594310.35	4128118.59	0.001	0.001	0.001	0.00267
594494.91	4128412.28	0.003	0.003	0.002	0.00864
594580.96	4128478.67	0.006	0.007	0.005	0.01865

594471.65	4128352.38	0.002	0.002	0.002	0.00574
594515.61	4128353.46	0.002	0.002	0.002	0.00594
594929.89	4128040.25	0.004	0.004	0.003	0.01123
594897.89	4128019.95	0.003	0.003	0.003	0.00902
594729.44	4128313.92	0.006	0.007	0.005	0.01855
594730.04	4128324.02	0.007	0.008	0.006	0.02040
594965.04	4128727.99	0.098	0.107	0.079	0.28431
595039.74	4128656.87	0.066	0.072	0.053	0.19055
595011.68	4128715.14	0.061	0.067	0.049	0.17803
595023.07	4128705.51	0.059	0.065	0.048	0.17129
595035.37	4128696.33	0.056	0.061	0.045	0.16221
595048.6	4128684.86	0.053	0.058	0.043	0.15442
594156.81	4128166.44	0.001	0.001	0.001	0.00245
594324.73	4128150.25	0.001	0.001	0.001	0.00258
594192.29	4128092.14	0.001	0.001	0.001	0.00314
594328.45	4128132.15	0.001	0.001	0.001	0.00258
594484.65	4128398.92	0.003	0.003	0.002	0.00779
594590.68	4128491.48	0.008	0.009	0.006	0.02258
594481.09	4128364.92	0.002	0.002	0.002	0.00624
594526.67	4128365.19	0.002	0.002	0.002	0.00647
594851.13	4127984.38	0.002	0.002	0.002	0.00638
594848.47	4128001.92	0.002	0.003	0.002	0.00680
594712.46	4128323.73	0.006	0.007	0.005	0.01790
594780.3	4128311.57	0.010	0.011	0.008	0.02897
595091.67	4128681.59	0.038	0.041	0.030	0.10913
594985.15	4128715.08	0.084	0.092	0.068	0.24447
595001.12	4128701.32	0.078	0.085	0.062	0.22469
594975.35	4128737.57	0.075	0.082	0.060	0.21611
594894.98	4128801.8	0.047	0.052	0.038	0.13786
594918.29	4128804.09	0.035	0.039	0.029	0.10336
594935.19	4128811.44	0.028	0.031	0.023	0.08130
594292.66	4128148.25	0.001	0.001	0.001	0.00258
594206.26	4128109.2	0.001	0.001	0.001	0.00272
594372.26	4128145.71	0.001	0.001	0.001	0.00253
594476.02	4128388.8	0.002	0.003	0.002	0.00722
594599.04	4128501.06	0.009	0.010	0.007	0.02678
594492.7	4128375.31	0.002	0.003	0.002	0.00673
594534.77	4128374.77	0.002	0.003	0.002	0.00696
594931.92	4128018.42	0.003	0.004	0.003	0.01021
594897.21	4128000.82	0.003	0.003	0.002	0.00825

594753.99	4128314.5	0.008	0.009	0.006	0.02314
594780.53	4128299.81	0.009	0.010	0.007	0.02616
595091.67	4128697.59	0.034	0.037	0.027	0.09767
595033.78	4128674.19	0.065	0.071	0.052	0.18766
595092.89	4128798.07	0.013	0.014	0.010	0.03659
595109.32	4128798.07	0.012	0.013	0.009	0.03370
595123.92	4128797.61	0.011	0.012	0.009	0.03155
594594.57	4128547.24	0.018	0.019	0.014	0.05089
594610.2	4128548.32	0.021	0.023	0.017	0.06096
594624.75	4128548.86	0.025	0.028	0.021	0.07395
594621.75	4128590.45	0.044	0.048	0.035	0.12652
594105.97	4128171.34	0.001	0.001	0.001	0.00237
594239.91	4128105.3	0.001	0.001	0.001	0.00284
594369.41	4128168.8	0.001	0.001	0.001	0.00261
594584.77	4128432.65	0.004	0.005	0.003	0.01192
594576.92	4128422.67	0.004	0.004	0.003	0.01070
594616.02	4128467.73	0.006	0.007	0.005	0.01899
594556.63	4128400.54	0.003	0.003	0.002	0.00861
594898.07	4127985.5	0.003	0.003	0.002	0.00774
594929.03	4127999.04	0.003	0.003	0.003	0.00923
594766.84	4128316.04	0.009	0.010	0.007	0.02641
594779.15	4128327.06	0.011	0.012	0.009	0.03259
595090.75	4128714.05	0.030	0.033	0.024	0.08608
595008.09	4128772.32	0.030	0.033	0.024	0.08630
595051.13	4128776.45	0.020	0.022	0.016	0.05909
595018.02	4128785.17	0.023	0.025	0.018	0.06619
595050.97	4128790.22	0.017	0.019	0.014	0.05013
594549.75	4128547.91	0.012	0.013	0.010	0.03570
594565.38	4128547.1	0.014	0.015	0.011	0.03967
594642.31	4128571.41	0.048	0.053	0.039	0.14070
594649.57	4128583.56	0.065	0.071	0.053	0.18909
594156.81	4128181.41	0.001	0.001	0.001	0.00251
594242.13	4128084.89	0.001	0.002	0.001	0.00366
594466.33	4128377.73	0.002	0.003	0.002	0.00666
594595.83	4128445.2	0.005	0.005	0.004	0.01383
594606.6	4128457.61	0.006	0.006	0.005	0.01628
594567.98	4128410.66	0.003	0.004	0.003	0.00950
594623.82	4128478.93	0.008	0.009	0.006	0.02281
594850.69	4127967.48	0.002	0.002	0.002	0.00593
594713.46	4128311.86	0.005	0.006	0.005	0.01645

594766.84	4128324.25	0.010	0.011	0.008	0.02833
594779.15	4128339.62	0.012	0.014	0.010	0.03625
594863.24	4128961.31	0.012	0.013	0.010	0.03508
595029.65	4128774.56	0.024	0.027	0.020	0.07049
595091.97	4128774.56	0.016	0.018	0.013	0.04664
595109.78	4128774.56	0.014	0.016	0.012	0.04207
595050.97	4128765.38	0.023	0.026	0.019	0.06787
594535.7	4128548.04	0.011	0.012	0.009	0.03253
594580.5	4128547.5	0.015	0.017	0.013	0.04499
594639.61	4128583.69	0.054	0.059	0.044	0.15674
594649.3	4128595.3	0.073	0.080	0.059	0.21312
594112.36	4128157.82	0.001	0.001	0.001	0.00234
594316.11	4128129.88	0.001	0.001	0.001	0.00260
594604.22	4128516.57	0.012	0.013	0.010	0.03494
594544.02	4128470.15	0.005	0.006	0.004	0.01520
594516.47	4128436.69	0.004	0.004	0.003	0.01072
594531.56	4128422.12	0.003	0.004	0.003	0.00983
594502.39	4128386.5	0.003	0.003	0.002	0.00731
594711.93	4128340.94	0.007	0.008	0.006	0.02077
594724.7	4128340.71	0.008	0.009	0.006	0.02300
594738.16	4128340.94	0.009	0.010	0.007	0.02611
594764.92	4128298.95	0.008	0.009	0.006	0.02256
594855.84	4128802.72	0.076	0.083	0.061	0.21913
594785.53	4128831.63	0.074	0.081	0.060	0.21482
594796.46	4128831.63	0.069	0.076	0.056	0.20027
595049.6	4128808.45	0.014	0.016	0.012	0.04136
594828.2	4128794.7	0.121	0.132	0.097	0.35077
594891.14	4128831.45	0.031	0.034	0.025	0.09094
594905.45	4128831.19	0.028	0.030	0.022	0.08012
594918	4128830.69	0.025	0.027	0.020	0.07255
594291.98	4128131.38	0.001	0.001	0.001	0.00260
594574.27	4128502.13	0.008	0.009	0.007	0.02387
594554.54	4128483.51	0.006	0.007	0.005	0.01791
594525.37	4128448.16	0.004	0.005	0.003	0.01198
594541.54	4128435.48	0.004	0.004	0.003	0.01114
594512.1	4128397.16	0.003	0.003	0.002	0.00795
594788.47	4128796.69	0.155	0.169	0.125	0.44911
594812.03	4128788.66	0.163	0.178	0.131	0.47176
594808.73	4128806.79	0.104	0.114	0.084	0.30263
594855.23	4128813.67	0.060	0.066	0.049	0.17505

594859.28	4128793.94	0.089	0.098	0.072	0.25831
595427.44	4129452.45	0.001	0.001	0.001	0.00303
595443.76	4129477.89	0.001	0.001	0.001	0.00287
595096.58	4128893.01	0.006	0.007	0.005	0.01903
594931.43	4128831.15	0.022	0.025	0.018	0.06531
594942.72	4128831.15	0.021	0.023	0.017	0.06072
594952	4128830.89	0.020	0.022	0.016	0.05781
594296.11	4128099.86	0.001	0.001	0.001	0.00301
594583.17	4128516.02	0.010	0.011	0.008	0.02996
594565.07	4128491.74	0.007	0.008	0.006	0.02034
594535.36	4128456.66	0.005	0.005	0.004	0.01316
594551.25	4128443.17	0.004	0.005	0.003	0.01212
594634.61	4128491.2	0.010	0.011	0.008	0.02956
594807.75	4128780.8	0.209	0.228	0.168	0.60455
594789.31	4128805.81	0.120	0.131	0.097	0.34842
594831.22	4128783.32	0.157	0.172	0.126	0.45572
594832.05	4128808.57	0.084	0.092	0.068	0.24350
594810.94	4128797.36	0.130	0.142	0.105	0.37713
595414.09	4129463.99	0.001	0.001	0.001	0.00293
595497.65	4129524.43	0.001	0.001	0.001	0.00262
595481.49	4129523.42	0.001	0.001	0.001	0.00261
595080.91	4128875.09	0.007	0.008	0.006	0.02203
595084.17	4128856.08	0.008	0.009	0.007	0.02411
595139.79	4128859.08	0.007	0.007	0.005	0.01901
595164.13	4128891	0.005	0.006	0.004	0.01494
595207.95	4128939.61	0.004	0.004	0.003	0.01093
595220.47	4129289.9	0.002	0.002	0.001	0.00469
595259.38	4129289.47	0.002	0.002	0.001	0.00457
595294.68	4129290.12	0.002	0.002	0.001	0.00453
594902.61	4129107.8	0.005	0.005	0.004	0.01409
594827.43	4129184.31	0.005	0.005	0.004	0.01413
594852.82	4129183.98	0.004	0.005	0.004	0.01290
595333.6	4129288.08	0.002	0.002	0.001	0.00473
595380.35	4129325.01	0.001	0.002	0.001	0.00456
595354.7	4129297.95	0.002	0.002	0.001	0.00481
595368.91	4129310.75	0.001	0.002	0.001	0.00473
595107.61	4128896.67	0.006	0.007	0.005	0.01792
595293.36	4129039.9	0.002	0.003	0.002	0.00686
595128.46	4128901.73	0.005	0.006	0.005	0.01620
595155	4128868.94	0.006	0.006	0.005	0.01708

595175.78	4128905.49	0.005	0.005	0.004	0.01356
595238.67	4129290.18	0.002	0.002	0.001	0.00462
595275	4129290.4	0.002	0.002	0.001	0.00454
595312.87	4129293.82	0.001	0.002	0.001	0.00450
594951.95	4129201.23	0.003	0.003	0.002	0.00857
594951.45	4129184.34	0.003	0.003	0.003	0.00907
594951.87	4129167.45	0.003	0.004	0.003	0.00960
595428.66	4129378.62	0.001	0.002	0.001	0.00407
595310.9	4129057.13	0.002	0.002	0.002	0.00637
595331.92	4129156.05	0.002	0.002	0.002	0.00572
595321.54	4129074.33	0.002	0.002	0.002	0.00605
595113.6	4128851.38	0.008	0.008	0.006	0.02199
595112.85	4128887.74	0.006	0.007	0.005	0.01822
595120.78	4128911.11	0.005	0.006	0.005	0.01611
595221.89	4128959.1	0.003	0.004	0.003	0.00992
595233.53	4128971.89	0.003	0.004	0.003	0.00929
595119.78	4129332.57	0.002	0.002	0.001	0.00458
595138.93	4129334.68	0.002	0.002	0.001	0.00449
595155.7	4129334.42	0.002	0.002	0.001	0.00443
595183.3	4129288.98	0.002	0.002	0.001	0.00483
595272.73	4129366.65	0.001	0.001	0.001	0.00384
595214.73	4129331.51	0.001	0.002	0.001	0.00429
595287.25	4129332.83	0.001	0.002	0.001	0.00409
595311.95	4129339.18	0.001	0.002	0.001	0.00400
595331.37	4129347.63	0.001	0.002	0.001	0.00390
595074.4	4129323.35	0.002	0.002	0.001	0.00490
595285.77	4129354.5	0.001	0.001	0.001	0.00391
595418.42	4129365.33	0.001	0.002	0.001	0.00420
595279.07	4129085.35	0.002	0.003	0.002	0.00682
595372.78	4129189.43	0.002	0.002	0.001	0.00499
595343.48	4129168.35	0.002	0.002	0.002	0.00552
595230.18	4129029.41	0.003	0.003	0.002	0.00843
595263.39	4129007.48	0.003	0.003	0.002	0.00790
595279.79	4129026.86	0.002	0.003	0.002	0.00728
595147.72	4128938.09	0.005	0.005	0.004	0.01337
595137.3	4128924.75	0.005	0.006	0.004	0.01446
595112.65	4129285.77	0.002	0.002	0.001	0.00519
595074.99	4129304.8	0.002	0.002	0.001	0.00514
595127.17	4129285.77	0.002	0.002	0.001	0.00511
595175.91	4129334.39	0.001	0.002	0.001	0.00437

595255.03	4129366.62	0.001	0.001	0.001	0.00388
595237.46	4129351.56	0.001	0.002	0.001	0.00405
595439.07	4129389.95	0.001	0.002	0.001	0.00400
595452.9	4129402.76	0.001	0.002	0.001	0.00397
595371.16	4129439.36	0.001	0.001	0.001	0.00310
595393.46	4129414.88	0.001	0.001	0.001	0.00329
595476.63	4129434.13	0.001	0.001	0.001	0.00363
595458.53	4129407.98	0.001	0.002	0.001	0.00394
595408.18	4129350.58	0.001	0.002	0.001	0.00441
595257.99	4129067.54	0.002	0.003	0.002	0.00742
595306.54	4129122.59	0.002	0.002	0.002	0.00617
595319.82	4129140.23	0.002	0.002	0.002	0.00593
595240.41	4129023.07	0.003	0.003	0.002	0.00821
595247.31	4128986.52	0.003	0.003	0.002	0.00863
595252.74	4128994.2	0.003	0.003	0.002	0.00836
595192.09	4128920.73	0.004	0.005	0.003	0.01219
595175.66	4128966.77	0.004	0.004	0.003	0.01126
595088.6	4129290.76	0.002	0.002	0.001	0.00526
595148.7	4129287.07	0.002	0.002	0.001	0.00499
595164.42	4129287.86	0.002	0.002	0.001	0.00491
595198.63	4129286.27	0.002	0.002	0.001	0.00481
595196.38	4129334.89	0.001	0.002	0.001	0.00431
595235.34	4129332.77	0.001	0.002	0.001	0.00422
595444.67	4129395.56	0.001	0.002	0.001	0.00398
595365.92	4129389.11	0.001	0.001	0.001	0.00349
595379.02	4129400.34	0.001	0.001	0.001	0.00340
595382.68	4129426.61	0.001	0.001	0.001	0.00319
595488.78	4129448.63	0.001	0.001	0.001	0.00356
595466.19	4129420.63	0.001	0.001	0.001	0.00372
595393.19	4129336.56	0.001	0.002	0.001	0.00451
595247.67	4129052.75	0.003	0.003	0.002	0.00776
595290.63	4129099.2	0.002	0.003	0.002	0.00653
595327.57	4129081.99	0.002	0.002	0.002	0.00589
595203.86	4128999.19	0.003	0.004	0.003	0.00961
595219.16	4129017.83	0.003	0.003	0.003	0.00888
595229.71	4129010.52	0.003	0.003	0.002	0.00866
595160.4	4128953.08	0.004	0.005	0.003	0.01228
595191.01	4128985.43	0.003	0.004	0.003	0.01028
595341.75	4129361.55	0.001	0.001	0.001	0.00377
595319.56	4129372.12	0.001	0.001	0.001	0.00370

594823.12	4129350.69	0.003	0.003	0.002	0.00866
594840.16	4129351.18	0.003	0.003	0.002	0.00826
594856.23	4129352.15	0.003	0.003	0.002	0.00784
594950.83	4129354.09	0.002	0.002	0.002	0.00563
594967.39	4129353.6	0.002	0.002	0.001	0.00537
594983.45	4129353.6	0.002	0.002	0.001	0.00516
595001.49	4129349.66	0.002	0.002	0.001	0.00501
595044.8	4129396.91	0.001	0.002	0.001	0.00418
595075.17	4129370.37	0.001	0.002	0.001	0.00435
595126.08	4129373.64	0.001	0.002	0.001	0.00416
595243.87	4129478.68	0.001	0.001	0.001	0.00311
595274.5	4129500.59	0.001	0.001	0.001	0.00293
595213.07	4129402.68	0.001	0.001	0.001	0.00370
595265.91	4129429.75	0.001	0.001	0.001	0.00338
595301.52	4129380.53	0.001	0.001	0.001	0.00366
594793.06	4129350.42	0.003	0.003	0.003	0.00924
594809.62	4129351.39	0.003	0.003	0.002	0.00892
594871.74	4129351.88	0.003	0.003	0.002	0.00745
594886.84	4129352.36	0.002	0.003	0.002	0.00705
594901.45	4129353.81	0.002	0.003	0.002	0.00667
594919.95	4129353.33	0.002	0.002	0.002	0.00625
594937.47	4129353.33	0.002	0.002	0.002	0.00588
595042.27	4129376.58	0.002	0.002	0.001	0.00441
595074.73	4129391.99	0.001	0.002	0.001	0.00412
595196.07	4129448.03	0.001	0.001	0.001	0.00340
595231.02	4129462.96	0.001	0.001	0.001	0.00323
595258.89	4129485.88	0.001	0.001	0.001	0.00304
595214.71	4129454.65	0.001	0.001	0.001	0.00332
595234.32	4129411.58	0.001	0.001	0.001	0.00358
595295.77	4129404.2	0.001	0.001	0.001	0.00349
594782.4	4129402.99	0.003	0.003	0.002	0.00817
594801.86	4129402.51	0.003	0.003	0.002	0.00794
594867.38	4129404.44	0.002	0.003	0.002	0.00669
594932.94	4129404.03	0.002	0.002	0.001	0.00534
594916.39	4129403.8	0.002	0.002	0.002	0.00566
594980.9	4129488.37	0.001	0.001	0.001	0.00388
595042.13	4129464.29	0.001	0.001	0.001	0.00359
595043.53	4129409.85	0.001	0.002	0.001	0.00406
595075.74	4129409.01	0.001	0.001	0.001	0.00395
595120.42	4129478.92	0.001	0.001	0.001	0.00327



595156.71	4129400.4	0.001	0.001	0.001	0.00384
595177.02	4129399.64	0.001	0.001	0.001	0.00381
595196.66	4129400.39	0.001	0.001	0.001	0.00376
595250.73	4129418.85	0.001	0.001	0.001	0.00349
595313	4129420.08	0.001	0.001	0.001	0.00330
594781.91	4129437.14	0.003	0.003	0.002	0.00750
594830.95	4129407.57	0.003	0.003	0.002	0.00738
594849.93	4129403.69	0.002	0.003	0.002	0.00707
594816.55	4129402.72	0.003	0.003	0.002	0.00771
594883.03	4129407.57	0.002	0.002	0.002	0.00631
594981.08	4129408.19	0.002	0.002	0.001	0.00457
595042.55	4129444.39	0.001	0.001	0.001	0.00375
595042.69	4129361.68	0.002	0.002	0.001	0.00458
595074.05	4129427.93	0.001	0.001	0.001	0.00377
595075.46	4129481.52	0.001	0.001	0.001	0.00334
595077.71	4129443.96	0.001	0.001	0.001	0.00362
595140.24	4129399.04	0.001	0.001	0.001	0.00389
595119.5	4129398.54	0.001	0.001	0.001	0.00394
595281.49	4129442.51	0.001	0.001	0.001	0.00326
595334.74	4129423.24	0.001	0.001	0.001	0.00323
594864.47	4129487.19	0.002	0.002	0.002	0.00568
594830.95	4129434.93	0.002	0.003	0.002	0.00693
594850.89	4129434.93	0.002	0.002	0.002	0.00658
594818	4129433.96	0.002	0.003	0.002	0.00714
594883.03	4129434.93	0.002	0.002	0.002	0.00596
594981.08	4129435.55	0.001	0.002	0.001	0.00431
595042.55	4129430.39	0.001	0.001	0.001	0.00387
595047.75	4129479.34	0.001	0.001	0.001	0.00344
594931.84	4129488.8	0.002	0.002	0.001	0.00453
594799.73	4129485.62	0.002	0.002	0.002	0.00655
595075.6	4129465.84	0.001	0.001	0.001	0.00345
595137.24	4129447.6	0.001	0.001	0.001	0.00349
595255.31	4129522.17	0.001	0.001	0.001	0.00284
595311.84	4129464.54	0.001	0.001	0.001	0.00306
595351.96	4129405.48	0.001	0.001	0.001	0.00335
594846.58	4129485.19	0.002	0.002	0.002	0.00598
594882.33	4129487.03	0.002	0.002	0.001	0.00538
594896.74	4129487.49	0.002	0.002	0.001	0.00513
594933.4	4129439.32	0.002	0.002	0.001	0.00495
594916.85	4129436.8	0.002	0.002	0.001	0.00528

594963.52	4129489.06	0.001	0.002	0.001	0.00408
594998.39	4129487.22	0.001	0.001	0.001	0.00371
594947.7	4129488.63	0.001	0.002	0.001	0.00430
594915.56	4129487.95	0.002	0.002	0.001	0.00480
594781	4129485.68	0.002	0.003	0.002	0.00670
595137.88	4129477.6	0.001	0.001	0.001	0.00326
595120.48	4129450.25	0.001	0.001	0.001	0.00349
595175.68	4129446.72	0.001	0.001	0.001	0.00344
595301.08	4129559.26	0.001	0.001	0.001	0.00258
594831.76	4129486.38	0.002	0.002	0.002	0.00618
595044.38	4129341.64	0.002	0.002	0.001	0.00481
594816.63	4129485.43	0.002	0.002	0.002	0.00638
595158.18	4129478.49	0.001	0.001	0.001	0.00323
595211.37	4129485.99	0.001	0.001	0.001	0.00312
595225.3	4129500.11	0.001	0.001	0.001	0.00301
595152.74	4129448.92	0.001	0.001	0.001	0.00346
595341.13	4129562.02	0.001	0.001	0.001	0.00249
595077.18	4129350.52	0.002	0.002	0.001	0.00456
595174.06	4129476.72	0.001	0.001	0.001	0.00323
595193.28	4129481.58	0.001	0.001	0.001	0.00317
595367.41	4129555.23	0.001	0.001	0.001	0.00248
595420.58	4129543.73	0.001	0.001	0.001	0.00249
595315.46	4129536.06	0.001	0.001	0.001	0.00267
595477.45	4129540.62	0.001	0.001	0.001	0.00249
595396.15	4129564.98	0.001	0.001	0.001	0.00240
595353.82	4129526.46	0.001	0.001	0.001	0.00264
595394.78	4129535.18	0.001	0.001	0.001	0.00254
595330.8	4129498.57	0.001	0.001	0.001	0.00284
595475.42	4129559.86	0.001	0.001	0.001	0.00238
595419.83	4129565.95	0.001	0.001	0.001	0.00238
595392.86	4129507.11	0.001	0.001	0.001	0.00268
595417.79	4129513.03	0.001	0.001	0.001	0.00264
595360.09	4129499.09	0.001	0.001	0.001	0.00277
594801.31	4129435.64	0.003	0.003	0.002	0.00733
594867.73	4129437.09	0.002	0.002	0.002	0.00623
594899.24	4129405.96	0.002	0.002	0.002	0.00598
594899.24	4129433.32	0.002	0.002	0.002	0.00565
594965.89	4129410.32	0.002	0.002	0.001	0.00474
594965.89	4129437.68	0.002	0.002	0.001	0.00447
594949.1	4129408.18	0.002	0.002	0.001	0.00501

594949.1	4129435.54	0.002	0.002	0.001	0.00473
594123.36	4128193.08	0.001	0.001	0.001	0.00251
594125.98	4128217.36	0.001	0.001	0.001	0.00266
594125.98	4128234.55	0.001	0.001	0.001	0.00279
594154.37	4128235.67	0.001	0.001	0.001	0.00285
594155.86	4128216.99	0.001	0.001	0.001	0.00272
594156.23	4128199.06	0.001	0.001	0.001	0.00260
594084.14	4128215.87	0.001	0.001	0.001	0.00258
594077.04	4128225.58	0.001	0.001	0.001	0.00263
594080.03	4128244.63	0.001	0.001	0.001	0.00278
594204.79	4128164.7	0.001	0.001	0.001	0.00253
594204.79	4128184.49	0.001	0.001	0.001	0.00260
594240.28	4128166.19	0.001	0.001	0.001	0.00258
594240.28	4128184.87	0.001	0.001	0.001	0.00266
594238.04	4128199.81	0.001	0.001	0.001	0.00274
594204.79	4128205.04	0.001	0.001	0.001	0.00272
594201.81	4128219.98	0.001	0.001	0.001	0.00282
594203.3	4128236.42	0.001	0.001	0.001	0.00296
594238.04	4128218.49	0.001	0.001	0.001	0.00287
594241.78	4128235.3	0.001	0.001	0.001	0.00302
594292.2	4128166.94	0.001	0.001	0.001	0.00263
594291.05	4128204.51	0.001	0.001	0.001	0.00284
594290.37	4128187.64	0.001	0.001	0.001	0.00273
594292.54	4128238.87	0.001	0.001	0.001	0.00314
594291.87	4128222	0.001	0.001	0.001	0.00298
594325.04	4128258.3	0.001	0.001	0.001	0.00341
594324.36	4128241.43	0.001	0.001	0.001	0.00322
594325.41	4128220.2	0.001	0.001	0.001	0.00300
594324.74	4128203.33	0.001	0.001	0.001	0.00286
594323.17	4128186.2	0.001	0.001	0.001	0.00273
594322.5	4128169.33	0.001	0.001	0.001	0.00264
594369.12	4128259.42	0.001	0.001	0.001	0.00350
594368.44	4128242.55	0.001	0.001	0.001	0.00328
594369.87	4128221.69	0.001	0.001	0.001	0.00303
594369.19	4128204.82	0.001	0.001	0.001	0.00287
594400.12	4128260.17	0.001	0.001	0.001	0.00354
594399.45	4128243.3	0.001	0.001	0.001	0.00330
594401.24	4128223.93	0.001	0.001	0.001	0.00305
594400.57	4128207.06	0.001	0.001	0.001	0.00287
594371.02	4128185.99	0.001	0.001	0.001	0.00272

594446.85	4128235.67	0.001	0.001	0.001	0.00315
594448.34	4128259.58	0.001	0.001	0.001	0.00351
594465.15	4128255.84	0.001	0.001	0.001	0.00343
594239.44	4128279.33	0.001	0.001	0.001	0.00348
594237.57	4128294.65	0.001	0.001	0.001	0.00367
594237.94	4128312.58	0.001	0.001	0.001	0.00392
594237.19	4128327.52	0.001	0.002	0.001	0.00414
594202.73	4128279.8	0.001	0.001	0.001	0.00339
594200.87	4128295.12	0.001	0.001	0.001	0.00357
594201.24	4128313.05	0.001	0.001	0.001	0.00380
594203.99	4128327.12	0.001	0.002	0.001	0.00400
594156.41	4128278.68	0.001	0.001	0.001	0.00326
594154.54	4128294	0.001	0.001	0.001	0.00342
594154.92	4128311.93	0.001	0.001	0.001	0.00362
594154.17	4128326.87	0.001	0.001	0.001	0.00380
594116.44	4128279.8	0.001	0.001	0.001	0.00316
594114.57	4128295.12	0.001	0.001	0.001	0.00331
594114.95	4128313.05	0.001	0.001	0.001	0.00350
594114.2	4128327.99	0.001	0.001	0.001	0.00366
594283.66	4128296.51	0.001	0.001	0.001	0.00384
594283.68	4128309.94	0.001	0.002	0.001	0.00404
594282.98	4128324.63	0.001	0.002	0.001	0.00428
594282.23	4128339.57	0.002	0.002	0.001	0.00455
594326.57	4128303.53	0.001	0.002	0.001	0.00408
594283.41	4128281.6	0.001	0.001	0.001	0.00363
594326.97	4128334.89	0.002	0.002	0.001	0.00467
594313.27	4128335.25	0.002	0.002	0.001	0.00462
594357.93	4128334.55	0.002	0.002	0.001	0.00480
594344.23	4128334.92	0.002	0.002	0.001	0.00475
594325.72	4128356.04	0.002	0.002	0.001	0.00513
594312.02	4128356.41	0.002	0.002	0.001	0.00506
594356.68	4128355.7	0.002	0.002	0.001	0.00530
594342.98	4128356.07	0.002	0.002	0.001	0.00523
594385.1	4128356.31	0.002	0.002	0.002	0.00547
594371.39	4128356.68	0.002	0.002	0.002	0.00540
594416.06	4128355.97	0.002	0.002	0.002	0.00562
594402.36	4128356.34	0.002	0.002	0.002	0.00556
594385.37	4128334.99	0.002	0.002	0.001	0.00493
594371.66	4128335.36	0.002	0.002	0.001	0.00488
594416.33	4128334.65	0.002	0.002	0.001	0.00503

594402.63	4128335.02	0.002	0.002	0.001	0.00499
594430.03	4128355.38	0.002	0.002	0.002	0.00567
594430.3	4128334.06	0.002	0.002	0.001	0.00506
594339.75	4128303.14	0.001	0.002	0.001	0.00412
594352.16	4128303.71	0.001	0.002	0.001	0.00417
594312.76	4128303.7	0.001	0.002	0.001	0.00404
594380.47	4128302.9	0.001	0.002	0.001	0.00423
594393.65	4128302.51	0.001	0.002	0.001	0.00426
594412.26	4128302.54	0.001	0.002	0.001	0.00429
594366.66	4128303.06	0.001	0.002	0.001	0.00420
594427.77	4128304.53	0.001	0.002	0.001	0.00435
594441.74	4128303.94	0.001	0.002	0.001	0.00435
594455.26	4128305.32	0.001	0.002	0.001	0.00439
594473.08	4128305.05	0.001	0.002	0.001	0.00439
594074.7	4128261.48	0.001	0.001	0.001	0.00290
594070.34	4128276.85	0.001	0.001	0.001	0.00302
594070.34	4128295.44	0.001	0.001	0.001	0.00318
594028.36	4128311.96	0.001	0.001	0.001	0.00319
594051.3	4128317.92	0.001	0.001	0.001	0.00332
594068.96	4128323.43	0.001	0.001	0.001	0.00344
594715.3	4128299.81	0.005	0.006	0.004	0.01540
594727.32	4128298.74	0.005	0.006	0.005	0.01645
594740.08	4128298.51	0.006	0.007	0.005	0.01813
594753.54	4128298.74	0.007	0.008	0.006	0.02040
594739.71	4128353.69	0.010	0.011	0.008	0.02978
594752.48	4128353.46	0.012	0.013	0.009	0.03367
594765.93	4128353.69	0.013	0.014	0.011	0.03815
594773.9	4128358.74	0.015	0.016	0.012	0.04229
594786.67	4128358.51	0.016	0.018	0.013	0.04740
594800.12	4128358.74	0.018	0.020	0.015	0.05238
594812.29	4128360.84	0.020	0.022	0.016	0.05775
594825.75	4128361.07	0.021	0.023	0.017	0.06216
594845.57	4128365.89	0.024	0.027	0.020	0.07098
594859.02	4128366.12	0.026	0.028	0.021	0.07459
594803.25	4128299.49	0.011	0.012	0.009	0.03084
594801.87	4128326.74	0.013	0.015	0.011	0.03884
594801.87	4128339.3	0.015	0.017	0.012	0.04370
594803.02	4128311.25	0.012	0.013	0.009	0.03407
594790.8	4128341.22	0.014	0.016	0.011	0.04117
594823.23	4128330.04	0.016	0.017	0.013	0.04564

594823.23	4128342.6	0.018	0.019	0.014	0.05130
594824.38	4128314.55	0.014	0.015	0.011	0.04000
594860.1	4128325.99	0.018	0.020	0.015	0.05238
594859.41	4128341.54	0.021	0.023	0.017	0.05976
594847.25	4128321.72	0.016	0.018	0.013	0.04780
594880.14	4128351.38	0.024	0.026	0.019	0.06996
594880.14	4128363.94	0.027	0.029	0.022	0.07804
594881.28	4128335.89	0.021	0.023	0.017	0.06157
594881.09	4128322.58	0.019	0.021	0.015	0.05513
594882.24	4128307.09	0.017	0.018	0.014	0.04891
594853.17	4128299.79	0.014	0.015	0.011	0.04098
594841.78	4128299.58	0.013	0.015	0.011	0.03871
594864.69	4128299.69	0.015	0.016	0.012	0.04309
594914.48	4128370.74	0.031	0.033	0.025	0.08871
594914.48	4128383.3	0.034	0.037	0.027	0.09835
594914.02	4128355.68	0.027	0.030	0.022	0.07847
594914.94	4128341.45	0.024	0.027	0.019	0.07020
594915.4	4128328.83	0.022	0.024	0.018	0.06369
594910.81	4128299.69	0.017	0.019	0.014	0.05049
594924.35	4128299.46	0.018	0.020	0.014	0.05213
594938.8	4128299.69	0.019	0.020	0.015	0.05385
594950.97	4128303.13	0.019	0.021	0.016	0.05636
594742.21	4128451.06	0.038	0.042	0.031	0.11013
594756.79	4128451.81	0.044	0.049	0.036	0.12876
594772.85	4128452.93	0.051	0.056	0.041	0.14725
594792.28	4128453.67	0.057	0.062	0.045	0.16388
594806.11	4128453.67	0.059	0.065	0.048	0.17151
594821.43	4128454.05	0.061	0.067	0.049	0.17812
594842.36	4128455.92	0.064	0.070	0.052	0.18660
594855.81	4128461.15	0.069	0.075	0.055	0.19894
594871.87	4128467.5	0.073	0.079	0.058	0.21043
594804.99	4128494.4	0.107	0.117	0.086	0.31040
594814.7	4128487.3	0.096	0.105	0.077	0.27817
594826.29	4128476.84	0.083	0.091	0.067	0.24085
594829.65	4128505.61	0.119	0.130	0.095	0.34382
594841.23	4128496.65	0.104	0.114	0.084	0.30134
594854.69	4128486.18	0.090	0.099	0.073	0.26182
594890.82	4128577.25	0.173	0.189	0.139	0.50143
594902.32	4128588.75	0.173	0.189	0.139	0.50155
594913.18	4128600.89	0.172	0.188	0.138	0.49878

594902.06	4128562.56	0.146	0.160	0.118	0.42396
594913.57	4128574.06	0.147	0.161	0.118	0.42650
594924.43	4128586.2	0.147	0.161	0.118	0.42647
594943.24	4128641.96	0.159	0.174	0.128	0.46114
594916.1	4128666.97	0.226	0.248	0.182	0.65612
594927.17	4128654.17	0.193	0.211	0.155	0.55822
594957.7	4128630.49	0.136	0.149	0.110	0.39460
594964.69	4128642.88	0.131	0.143	0.105	0.37920
594977.71	4128652.73	0.117	0.127	0.094	0.33767
594970.41	4128622.55	0.121	0.132	0.097	0.34936
594981.84	4128615.88	0.109	0.119	0.088	0.31546
594988.83	4128606.35	0.102	0.111	0.082	0.29420
594988.51	4128641.61	0.106	0.116	0.085	0.30617
595001.53	4128630.49	0.095	0.103	0.076	0.27399
594813.87	4128831.08	0.062	0.068	0.050	0.17987
594828.18	4128830.83	0.056	0.061	0.045	0.16258
594852.69	4128831.18	0.045	0.050	0.036	0.13135
594610.06	4128785.72	0.087	0.095	0.070	0.25103
594592.81	4128786.36	0.073	0.080	0.059	0.21158
594611.14	4128819.74	0.078	0.085	0.062	0.22511
594589.57	4128819.84	0.065	0.072	0.053	0.18947
594588.48	4128835.99	0.061	0.066	0.049	0.17533
594612.24	4128836.53	0.071	0.077	0.057	0.20503
594574.44	4128791.98	0.062	0.067	0.049	0.17828
594577.14	4128779.29	0.063	0.069	0.051	0.18390
594550.94	4128790.9	0.051	0.055	0.041	0.14687
594557.96	4128779.56	0.054	0.059	0.043	0.15555
594537.98	4128785.23	0.046	0.050	0.037	0.13253
594527.72	4128780.37	0.042	0.046	0.034	0.12206
594571.47	4128835.72	0.054	0.059	0.043	0.15669
594554.99	4128827.89	0.050	0.054	0.040	0.14375
594540.68	4128821.41	0.046	0.050	0.037	0.13212
594521.24	4128816.28	0.040	0.044	0.032	0.11645
594500.45	4128816.01	0.035	0.038	0.028	0.10149
594482.9	4128816.01	0.031	0.034	0.025	0.09074
594512.33	4128784.69	0.038	0.041	0.030	0.10920
594518.81	4128769.84	0.039	0.043	0.031	0.11265
594490.46	4128781.18	0.032	0.035	0.026	0.09310
594463.46	4128816.55	0.028	0.030	0.022	0.08052
594474.8	4128788.2	0.029	0.032	0.023	0.08450

594569.94	4128717.94	0.054	0.059	0.043	0.15532
594576.93	4128700.78	0.054	0.059	0.043	0.15654
594562.95	4128701.42	0.047	0.052	0.038	0.13664
594567.4	4128690.62	0.047	0.051	0.038	0.13625
594569.3	4128677.59	0.045	0.049	0.036	0.13039
594651.12	4128634.24	0.103	0.112	0.083	0.29789
594638.83	4128633.85	0.083	0.091	0.067	0.24105
594618.73	4128637.95	0.063	0.069	0.051	0.18374
594599.61	4128635.02	0.048	0.053	0.039	0.14052
594577.18	4128634.44	0.037	0.041	0.030	0.10824
594557.86	4128635.02	0.031	0.034	0.025	0.08914
594542.45	4128643.61	0.028	0.031	0.023	0.08196
594541.86	4128632.1	0.026	0.028	0.021	0.07505
594531.43	4128643.7	0.026	0.028	0.021	0.07437
594530.84	4128632.19	0.023	0.026	0.019	0.06814
594540.11	4128655.31	0.030	0.033	0.024	0.08672
594518.69	4128738.15	0.036	0.040	0.029	0.10514
594499.87	4128737.46	0.031	0.034	0.025	0.09062
594472.79	4128739.52	0.026	0.028	0.021	0.07483
594513.64	4128720.93	0.033	0.036	0.027	0.09554
594512.27	4128702.11	0.030	0.033	0.024	0.08769
594510.66	4128692.01	0.029	0.031	0.023	0.08266
594477.61	4128716.57	0.025	0.027	0.020	0.07145
594478.52	4128700.28	0.023	0.025	0.019	0.06716
594478.75	4128690.18	0.022	0.024	0.018	0.06417
594477.26	4128678.47	0.021	0.023	0.017	0.05983
594477.49	4128668.37	0.020	0.021	0.016	0.05669
594512.95	4128634.86	0.021	0.023	0.017	0.05992
594493.21	4128634.4	0.018	0.019	0.014	0.05132
594479.9	4128636.24	0.016	0.018	0.013	0.04719
594520.41	4128546.93	0.010	0.011	0.008	0.02930
594506.37	4128547.06	0.009	0.010	0.008	0.02709
594490.43	4128547.26	0.009	0.009	0.007	0.02494
594543.41	4128516.78	0.008	0.009	0.007	0.02430
594528.11	4128515.67	0.008	0.008	0.006	0.02237
594514.07	4128515.8	0.007	0.008	0.006	0.02105
594498.14	4128516.01	0.007	0.007	0.005	0.01972
594521.34	4128494.93	0.006	0.007	0.005	0.01783
594492.14	4128494.79	0.006	0.006	0.004	0.01611
594507.26	4128495.18	0.006	0.006	0.005	0.01702



594596.96	4128603.83	0.036	0.039	0.029	0.10436
594597.02	4128588.09	0.031	0.033	0.025	0.08856
594576.88	4128589.98	0.025	0.027	0.020	0.07232
594553.64	4128588.55	0.020	0.022	0.016	0.05716
594538.01	4128588.04	0.017	0.019	0.014	0.04983
594516.04	4128591.11	0.015	0.016	0.012	0.04313
594513.59	4128574.71	0.013	0.014	0.010	0.03655
594493.57	4128590.27	0.013	0.014	0.010	0.03663
594760.51	4128824.14	0.099	0.108	0.080	0.28679
594520.63	4128867.68	0.036	0.039	0.029	0.10448
594503.08	4128867.68	0.033	0.036	0.027	0.09554
594483.64	4128868.22	0.030	0.033	0.024	0.08646
594520.63	4128893.02	0.033	0.036	0.026	0.09537
594503.08	4128893.02	0.031	0.033	0.025	0.08852
594483.64	4128893.56	0.028	0.031	0.023	0.08126
594463.73	4128893.02	0.026	0.028	0.021	0.07459
594468.42	4128866.12	0.028	0.030	0.022	0.08036
594565.38	4128882.18	0.042	0.046	0.034	0.12115
594561.5	4128916.3	0.034	0.037	0.027	0.09775
594552.23	4128934.41	0.030	0.032	0.024	0.08565
594566.42	4128896.15	0.039	0.042	0.031	0.11215
594528.39	4128942.69	0.027	0.029	0.021	0.07738
594510.84	4128942.69	0.026	0.028	0.021	0.07402
594491.4	4128943.23	0.024	0.026	0.019	0.06996
594471.41	4128940.8	0.023	0.025	0.018	0.06650
594605.25	4128901.88	0.042	0.045	0.033	0.12026
594621.14	4128901.88	0.043	0.047	0.034	0.12366
594635.12	4128902.2	0.043	0.047	0.035	0.12520
594640.52	4128886.63	0.051	0.055	0.041	0.14653
594606.52	4128881.86	0.049	0.053	0.039	0.14162
594625.27	4128881.86	0.052	0.056	0.041	0.14923
594603.03	4128926.98	0.034	0.037	0.027	0.09824
594619.87	4128927.61	0.034	0.037	0.027	0.09899
594638.29	4128927.3	0.034	0.038	0.028	0.09942
594852.47	4128984.02	0.011	0.012	0.009	0.03207
594849.93	4128999.27	0.010	0.011	0.008	0.02963
594870.26	4128985.29	0.010	0.011	0.008	0.02920
594876.3	4129002.45	0.009	0.010	0.007	0.02573
594893.77	4129021.83	0.007	0.008	0.006	0.02147
594894.41	4129003.08	0.008	0.009	0.007	0.02359

595091.6	4128755.33	0.020	0.022	0.016	0.05722
595109.41	4128755.33	0.018	0.019	0.014	0.05096
595093.43	4128736.06	0.024	0.026	0.019	0.06873
595111.25	4128736.06	0.021	0.023	0.017	0.06059
595029.54	4128756.5	0.031	0.034	0.025	0.09044
595046.67	4128741.76	0.032	0.035	0.026	0.09381
594992.37	4128751	0.049	0.054	0.039	0.14173
595004.01	4128740.39	0.050	0.055	0.040	0.14534
595130.48	4128770.73	0.013	0.015	0.011	0.03889
595129.26	4128740.39	0.018	0.020	0.014	0.05173
595153.5	4128684.24	0.024	0.026	0.019	0.06828
595153.04	4128700.7	0.021	0.023	0.017	0.06121
595176.21	4128770.73	0.011	0.012	0.009	0.03080
595177.13	4128794.07	0.009	0.010	0.007	0.02554
595158.31	4128805.34	0.009	0.010	0.007	0.02538
595152.35	4128779.19	0.011	0.012	0.009	0.03225
595180.8	4128815.43	0.007	0.008	0.006	0.02151
595204.2	4128820.02	0.007	0.007	0.005	0.01909
595140.88	4128720.46	0.020	0.022	0.016	0.05695
595166.57	4128720.46	0.017	0.018	0.013	0.04849
595172.54	4128700.27	0.019	0.020	0.015	0.05423
595195.48	4128710.82	0.015	0.017	0.012	0.04395
595189.05	4128689.72	0.018	0.020	0.015	0.05262
595204.65	4128688.34	0.017	0.018	0.013	0.04840
595195.94	4128735.6	0.013	0.014	0.010	0.03662
595175.75	4128744.32	0.013	0.014	0.011	0.03815
595202.36	4128779.64	0.009	0.010	0.007	0.02552
595203.74	4128760.37	0.010	0.011	0.008	0.02927
595216.58	4128741.56	0.011	0.012	0.009	0.03157
595217.96	4128723.67	0.012	0.013	0.010	0.03556
595219.34	4128702.56	0.014	0.015	0.011	0.04069
594850.37	4127951.3	0.002	0.002	0.002	0.00554
594852.13	4127935.04	0.002	0.002	0.001	0.00523
594898.07	4127967.2	0.002	0.003	0.002	0.00716
594931.28	4127981.33	0.003	0.003	0.002	0.00859
594934.82	4127965.79	0.003	0.003	0.002	0.00813
594899.13	4127944.23	0.002	0.002	0.002	0.00652
594898.78	4127930.8	0.002	0.002	0.002	0.00616
594934.46	4127945.65	0.003	0.003	0.002	0.00745
594928.81	4127927.62	0.002	0.003	0.002	0.00679

595340	4129093.59	0.002	0.002	0.002	0.00563
595349.49	4129109.17	0.002	0.002	0.002	0.00540
595373.19	4129128.81	0.002	0.002	0.001	0.00500
595405.7	4129155.9	0.001	0.002	0.001	0.00451
594828.06	4129208.24	0.004	0.005	0.004	0.01298
594853.46	4129207.91	0.004	0.004	0.003	0.01188
594825.42	4129228.03	0.004	0.005	0.003	0.01227
594850.82	4129227.7	0.004	0.004	0.003	0.01126
594827.4	4129248.81	0.004	0.004	0.003	0.01142
594852.8	4129248.48	0.004	0.004	0.003	0.01049
594896.99	4129195.71	0.004	0.004	0.003	0.01048
594922.38	4129195.38	0.003	0.004	0.003	0.00957
594891.71	4129220.12	0.003	0.004	0.003	0.00989
594917.11	4129219.79	0.003	0.003	0.003	0.00902
594891.71	4129241.88	0.003	0.004	0.003	0.00926
594917.11	4129241.55	0.003	0.003	0.002	0.00845
594893.69	4129262.33	0.003	0.003	0.002	0.00867
594919.09	4129262	0.003	0.003	0.002	0.00792
594893.36	4129285.74	0.003	0.003	0.002	0.00814
594918.76	4129285.41	0.003	0.003	0.002	0.00743
594825.75	4129273.54	0.004	0.004	0.003	0.01065
594851.15	4129273.21	0.003	0.004	0.003	0.00982
594828.06	4129297.28	0.003	0.004	0.003	0.00988
594853.46	4129296.95	0.003	0.003	0.003	0.00912
595429.03	4129137.08	0.001	0.002	0.001	0.00438
595398.56	4129118.5	0.002	0.002	0.001	0.00477
595323.48	4128976.53	0.002	0.003	0.002	0.00729
595337.6	4128998.08	0.002	0.003	0.002	0.00672
595353.21	4129028.56	0.002	0.002	0.002	0.00610
594282.32	4128355.01	0.002	0.002	0.001	0.00486
594281.57	4128369.95	0.002	0.002	0.001	0.00517
594237.72	4128344.51	0.002	0.002	0.001	0.00442
594236.97	4128359.46	0.002	0.002	0.001	0.00468
594240.34	4128380.37	0.002	0.002	0.001	0.00510
594239.59	4128395.32	0.002	0.002	0.002	0.00541
594227.72	4128414.08	0.002	0.002	0.002	0.00571
595154.49	4128556.43	0.036	0.039	0.029	0.10340
595544.9	4129513.26	0.001	0.001	0.001	0.00309
595560.09	4129522.66	0.001	0.001	0.001	0.00309
595546.35	4129534.23	0.001	0.001	0.001	0.00268

595565.51	4129536.76	0.001	0.001	0.001	0.00275
595570.93	4129559.54	0.001	0.001	0.001	0.00234
595545.62	4129557.37	0.001	0.001	0.001	0.00238

**1410 South Bascom Avenue Project**

**Unmitigated  
at Sensitive Receptors**

**Chronic Non-Cancer Hazard Index**

**Reference Exposure Level (REL) for DPM:** 5 ug/m3

**CNCHI = DPM/REL**

X (m)	Y (m)	2020 DPM (ug/m3)	2021 DPM (ug/m3)	2022 DPM (ug/m3)	Max DPM (ug/m3)	CNCHI	Maximum 0.04 BAAQMD threshold of significance 1 Exceed thresholds? No
593913.11	4129158.33	0.002522	0.001629	0.001377	0.002522	0.00050	
593960.92	4129158.33	0.00276	0.001782	0.001506	0.00276	0.00055	
594008.73	4129158.33	0.00302	0.00195	0.001648	0.00302	0.00060	
594056.54	4129158.33	0.003303	0.002133	0.001802	0.003303	0.00066	
594104.35	4129158.33	0.003605	0.002327	0.001967	0.003605	0.00072	
594152.16	4129158.33	0.003921	0.002531	0.002139	0.003921	0.00078	
594199.97	4129158.33	0.004242	0.002738	0.002314	0.004242	0.00085	
594247.78	4129158.33	0.004552	0.002939	0.002484	0.004552	0.00091	
594295.59	4129158.33	0.004832	0.003119	0.002637	0.004832	0.00097	
594343.4	4129158.33	0.00506	0.003267	0.002761	0.00506	0.00101	
594391.21	4129158.33	0.005212	0.003364	0.002844	0.005212	0.00104	
594439.02	4129158.33	0.005271	0.003403	0.002876	0.005271	0.00105	
594486.83	4129158.33	0.005236	0.003381	0.002857	0.005236	0.00105	
594534.64	4129158.33	0.005102	0.003295	0.002785	0.005102	0.00102	
594582.45	4129158.33	0.004867	0.003143	0.002657	0.004867	0.00097	
594630.26	4129158.33	0.00456	0.002945	0.00249	0.00456	0.00091	
593913.11	4129192.59	0.00248	0.001602	0.001354	0.00248	0.00050	
593960.92	4129192.59	0.002697	0.001741	0.001472	0.002697	0.00054	
594008.73	4129192.59	0.00293	0.001892	0.001599	0.00293	0.00059	
594056.54	4129192.59	0.003178	0.002052	0.001734	0.003178	0.00064	
594104.35	4129192.59	0.003438	0.002219	0.001876	0.003438	0.00069	
594152.16	4129192.59	0.0037	0.002389	0.002019	0.0037	0.00074	
594199.97	4129192.59	0.003956	0.002554	0.002159	0.003956	0.00079	
594247.78	4129192.59	0.00419	0.002705	0.002286	0.00419	0.00084	
594295.59	4129192.59	0.004385	0.002831	0.002393	0.004385	0.00088	
594343.4	4129192.59	0.004525	0.002921	0.002469	0.004525	0.00091	
594391.21	4129192.59	0.004598	0.002969	0.002509	0.004598	0.00092	
594439.02	4129192.59	0.004598	0.002969	0.002509	0.004598	0.00092	

594486.83	4129192.59	0.004527	0.002923	0.002471	0.004527	0.00091
594534.64	4129192.59	0.004385	0.002832	0.002393	0.004385	0.00088
594582.45	4129192.59	0.00417	0.002694	0.002277	0.00417	0.00083
594630.26	4129192.59	0.003912	0.002527	0.002136	0.003912	0.00078
593913.11	4129226.85	0.002424	0.001565	0.001323	0.002424	0.00048
593960.92	4129226.85	0.00262	0.001692	0.00143	0.00262	0.00052
594008.73	4129226.85	0.002826	0.001825	0.001543	0.002826	0.00057
594056.54	4129226.85	0.003041	0.001964	0.00166	0.003041	0.00061
594104.35	4129226.85	0.003259	0.002104	0.001779	0.003259	0.00065
594152.16	4129226.85	0.003473	0.002242	0.001895	0.003473	0.00069
594199.97	4129226.85	0.00367	0.00237	0.002003	0.00367	0.00073
594247.78	4129226.85	0.00384	0.002479	0.002095	0.00384	0.00077
594295.59	4129226.85	0.003967	0.002561	0.002165	0.003967	0.00079
594343.4	4129226.85	0.004043	0.00261	0.002206	0.004043	0.00081
594391.21	4129226.85	0.004064	0.002624	0.002218	0.004064	0.00081
594439.02	4129226.85	0.00403	0.002602	0.002199	0.00403	0.00081
594486.83	4129226.85	0.003944	0.002547	0.002153	0.003944	0.00079
594534.64	4129226.85	0.003805	0.002457	0.002077	0.003805	0.00076
594582.45	4129226.85	0.003612	0.002333	0.001972	0.003612	0.00072
594630.26	4129226.85	0.00339	0.002191	0.001852	0.00339	0.00068
593913.11	4129261.11	0.002358	0.001522	0.001287	0.002358	0.00047
593960.92	4129261.11	0.002532	0.001635	0.001382	0.002532	0.00051
594008.73	4129261.11	0.002713	0.001752	0.001481	0.002713	0.00054
594056.54	4129261.11	0.002896	0.00187	0.001581	0.002896	0.00058
594104.35	4129261.11	0.003076	0.001986	0.001679	0.003076	0.00062
594152.16	4129261.11	0.003244	0.002095	0.00177	0.003244	0.00065
594199.97	4129261.11	0.003392	0.00219	0.001851	0.003392	0.00068
594247.78	4129261.11	0.003508	0.002265	0.001914	0.003508	0.00070
594295.59	4129261.11	0.003584	0.002314	0.001956	0.003584	0.00072
594343.4	4129261.11	0.003614	0.002334	0.001973	0.003614	0.00072
594391.21	4129261.11	0.003602	0.002326	0.001966	0.003602	0.00072
594439.02	4129261.11	0.003551	0.002293	0.001938	0.003551	0.00071
594486.83	4129261.11	0.003462	0.002236	0.00189	0.003462	0.00069
594534.64	4129261.11	0.003332	0.002152	0.001819	0.003332	0.00067
594582.45	4129261.11	0.003159	0.002041	0.001725	0.003159	0.00063
594630.26	4129261.11	0.002968	0.001918	0.001621	0.002968	0.00059
593913.11	4129295.37	0.002284	0.001475	0.001246	0.002284	0.00046
593960.92	4129295.37	0.002437	0.001574	0.00133	0.002437	0.00049
594008.73	4129295.37	0.002593	0.001674	0.001415	0.002593	0.00052

594056.54	4129295.37	0.002746	0.001773	0.001499	0.002746	0.00055
594104.35	4129295.37	0.002891	0.001867	0.001578	0.002891	0.00058
594152.16	4129295.37	0.00302	0.00195	0.001648	0.00302	0.00060
594199.97	4129295.37	0.003125	0.002018	0.001706	0.003125	0.00063
594247.78	4129295.37	0.003199	0.002065	0.001746	0.003199	0.00064
594295.59	4129295.37	0.003236	0.00209	0.001766	0.003236	0.00065
594343.4	4129295.37	0.003237	0.00209	0.001767	0.003237	0.00065
594391.21	4129295.37	0.003206	0.00207	0.00175	0.003206	0.00064
594439.02	4129295.37	0.003147	0.002033	0.001718	0.003147	0.00063
594486.83	4129295.37	0.00306	0.001977	0.001671	0.00306	0.00061
594534.64	4129295.37	0.00294	0.0019	0.001606	0.00294	0.00059
594582.45	4129295.37	0.002786	0.0018	0.001522	0.002786	0.00056
594630.26	4129295.37	0.002622	0.001695	0.001433	0.002622	0.00052
593913.11	4129329.63	0.002204	0.001423	0.001203	0.002204	0.00044
593960.92	4129329.63	0.002337	0.001509	0.001276	0.002337	0.00047
594008.73	4129329.63	0.002469	0.001594	0.001347	0.002469	0.00049
594056.54	4129329.63	0.002595	0.001675	0.001416	0.002595	0.00052
594104.35	4129329.63	0.002708	0.001749	0.001478	0.002708	0.00054
594152.16	4129329.63	0.002803	0.00181	0.00153	0.002803	0.00056
594199.97	4129329.63	0.002873	0.001855	0.001568	0.002873	0.00057
594247.78	4129329.63	0.002914	0.001882	0.001591	0.002914	0.00058
594295.59	4129329.63	0.002925	0.001889	0.001597	0.002925	0.00058
594343.4	4129329.63	0.002907	0.001877	0.001587	0.002907	0.00058
594391.21	4129329.63	0.002866	0.001851	0.001565	0.002866	0.00057
594439.02	4129329.63	0.002806	0.001813	0.001532	0.002806	0.00056
594486.83	4129329.63	0.002725	0.00176	0.001488	0.002725	0.00054
594534.64	4129329.63	0.002614	0.001689	0.001428	0.002614	0.00052
594582.45	4129329.63	0.002476	0.0016	0.001353	0.002476	0.00050
594630.26	4129329.63	0.002333	0.001508	0.001275	0.002333	0.00047
593913.11	4129363.89	0.00212	0.001369	0.001157	0.00212	0.00042
593960.92	4129363.89	0.002234	0.001442	0.001219	0.002234	0.00045
594008.73	4129363.89	0.002343	0.001513	0.001279	0.002343	0.00047
594056.54	4129363.89	0.002443	0.001577	0.001333	0.002443	0.00049
594104.35	4129363.89	0.002529	0.001633	0.00138	0.002529	0.00051
594152.16	4129363.89	0.002595	0.001676	0.001416	0.002595	0.00052
594199.97	4129363.89	0.002638	0.001703	0.00144	0.002638	0.00053
594247.78	4129363.89	0.002655	0.001714	0.001449	0.002655	0.00053
594295.59	4129363.89	0.002647	0.001709	0.001445	0.002647	0.00053
594343.4	4129363.89	0.002618	0.001691	0.001429	0.002618	0.00052

594391.21	4129363.89	0.002575	0.001663	0.001406	0.002575	0.00052
594439.02	4129363.89	0.002517	0.001626	0.001374	0.002517	0.00050
594486.83	4129363.89	0.002441	0.001577	0.001333	0.002441	0.00049
594534.64	4129363.89	0.002339	0.001512	0.001278	0.002339	0.00047
594582.45	4129363.89	0.002214	0.001431	0.00121	0.002214	0.00044
594630.26	4129363.89	0.00209	0.001352	0.001142	0.00209	0.00042
593913.11	4129398.15	0.002032	0.001312	0.001109	0.002032	0.00041
593960.92	4129398.15	0.002128	0.001374	0.001162	0.002128	0.00043
594008.73	4129398.15	0.002217	0.001431	0.00121	0.002217	0.00044
594056.54	4129398.15	0.002294	0.001482	0.001252	0.002294	0.00046
594104.35	4129398.15	0.002357	0.001522	0.001286	0.002357	0.00047
594152.16	4129398.15	0.0024	0.00155	0.00131	0.0024	0.00048
594199.97	4129398.15	0.002421	0.001563	0.001322	0.002421	0.00048
594247.78	4129398.15	0.002421	0.001563	0.001321	0.002421	0.00048
594295.59	4129398.15	0.002402	0.001551	0.001311	0.002402	0.00048
594343.4	4129398.15	0.002368	0.00153	0.001293	0.002368	0.00047
594391.21	4129398.15	0.002325	0.001502	0.001269	0.002325	0.00046
594439.02	4129398.15	0.00227	0.001467	0.00124	0.00227	0.00045
594486.83	4129398.15	0.002199	0.001421	0.001201	0.002199	0.00044
594534.64	4129398.15	0.002106	0.001361	0.00115	0.002106	0.00042
594582.45	4129398.15	0.001993	0.001289	0.001089	0.001993	0.00040
594630.26	4129398.15	0.001884	0.001219	0.00103	0.001884	0.00038
593913.11	4129432.41	0.001943	0.001255	0.001061	0.001943	0.00039
593960.92	4129432.41	0.002022	0.001306	0.001104	0.002022	0.00040
594008.73	4129432.41	0.002092	0.001351	0.001142	0.002092	0.00042
594056.54	4129432.41	0.00215	0.001388	0.001174	0.00215	0.00043
594104.35	4129432.41	0.002192	0.001416	0.001196	0.002192	0.00044
594152.16	4129432.41	0.002216	0.001431	0.00121	0.002216	0.00044
594199.97	4129432.41	0.002222	0.001435	0.001213	0.002222	0.00044
594247.78	4129432.41	0.00221	0.001427	0.001206	0.00221	0.00044
594295.59	4129432.41	0.002185	0.001411	0.001193	0.002185	0.00044
594343.4	4129432.41	0.00215	0.001389	0.001174	0.00215	0.00043
594391.21	4129432.41	0.002109	0.001362	0.001152	0.002109	0.00042
594439.02	4129432.41	0.002058	0.00133	0.001124	0.002058	0.00041
594486.83	4129432.41	0.001992	0.001287	0.001088	0.001992	0.00040
594534.64	4129432.41	0.001905	0.001231	0.001041	0.001905	0.00038
594582.45	4129432.41	0.001803	0.001166	0.000985	0.001803	0.00036
594630.26	4129432.41	0.001707	0.001104	0.000933	0.001707	0.00034
593913.11	4129466.67	0.001853	0.001197	0.001012	0.001853	0.00037



593960.92	4129466.67	0.001916	0.001238	0.001046	0.001916	0.00038
594008.73	4129466.67	0.00197	0.001272	0.001075	0.00197	0.00039
594056.54	4129466.67	0.002011	0.001299	0.001098	0.002011	0.00040
594104.35	4129466.67	0.002037	0.001315	0.001112	0.002037	0.00041
594152.16	4129466.67	0.002047	0.001322	0.001117	0.002047	0.00041
594199.97	4129466.67	0.002041	0.001318	0.001114	0.002041	0.00041
594247.78	4129466.67	0.002022	0.001306	0.001104	0.002022	0.00040
594295.59	4129466.67	0.001994	0.001288	0.001089	0.001994	0.00040
594343.4	4129466.67	0.001961	0.001267	0.001071	0.001961	0.00039
594391.21	4129466.67	0.001922	0.001242	0.00105	0.001922	0.00038
594439.02	4129466.67	0.001875	0.001212	0.001024	0.001875	0.00038
594486.83	4129466.67	0.001813	0.001172	0.00099	0.001813	0.00036
594534.64	4129466.67	0.001731	0.001119	0.000946	0.001731	0.00035
594582.45	4129466.67	0.001639	0.00106	0.000896	0.001639	0.00033
594630.26	4129466.67	0.001555	0.001006	0.00085	0.001555	0.00031
594331.14	4128962.5	0.008153	0.005262	0.004447	0.008153	0.00163
594357.05	4128962.5	0.008865	0.005721	0.004836	0.008865	0.00177
594382.96	4128962.5	0.009627	0.006213	0.005252	0.009627	0.00193
594408.87	4128962.5	0.010433	0.006733	0.005691	0.010433	0.00209
594434.78	4128962.5	0.011271	0.007274	0.006148	0.011271	0.00225
594460.69	4128962.5	0.012123	0.007823	0.006612	0.012123	0.00242
594486.6	4128962.5	0.01296	0.008363	0.007069	0.01296	0.00259
594331.14	4129004.55	0.007579	0.004891	0.004134	0.007579	0.00152
594357.05	4129004.55	0.008115	0.005237	0.004427	0.008115	0.00162
594382.96	4129004.55	0.008663	0.005591	0.004726	0.008663	0.00173
594408.87	4129004.55	0.009217	0.005948	0.005028	0.009217	0.00184
594434.78	4129004.55	0.009755	0.006295	0.005321	0.009755	0.00195
594460.69	4129004.55	0.01026	0.006621	0.005597	0.01026	0.00205
594486.6	4129004.55	0.01071	0.006911	0.005842	0.01071	0.00214
594331.14	4129046.6	0.006889	0.004446	0.003758	0.006889	0.00138
594357.05	4129046.6	0.007267	0.00469	0.003965	0.007267	0.00145
594382.96	4129046.6	0.007638	0.004929	0.004166	0.007638	0.00153
594408.87	4129046.6	0.007985	0.005153	0.004356	0.007985	0.00160
594434.78	4129046.6	0.008299	0.005356	0.004527	0.008299	0.00166
594460.69	4129046.6	0.008566	0.005529	0.004673	0.008566	0.00171
594486.6	4129046.6	0.008773	0.005662	0.004786	0.008773	0.00175
594331.14	4129088.65	0.006162	0.003977	0.003362	0.006162	0.00123
594357.05	4129088.65	0.006414	0.00414	0.003499	0.006414	0.00128
594382.96	4129088.65	0.006642	0.004287	0.003624	0.006642	0.00133

594408.87	4129088.65	0.00684	0.004415	0.003732	0.00684	0.00137
594434.78	4129088.65	0.007002	0.004519	0.00382	0.007002	0.00140
594460.69	4129088.65	0.007118	0.004595	0.003884	0.007118	0.00142
594486.6	4129088.65	0.007185	0.004638	0.00392	0.007185	0.00144
594331.14	4129130.7	0.005451	0.003519	0.002974	0.005451	0.00109
594357.05	4129130.7	0.005603	0.003617	0.003057	0.005603	0.00112
594382.96	4129130.7	0.005731	0.003699	0.003127	0.005731	0.00115
594408.87	4129130.7	0.005828	0.003762	0.00318	0.005828	0.00117
594434.78	4129130.7	0.005895	0.003805	0.003216	0.005895	0.00118
594460.69	4129130.7	0.005925	0.003825	0.003233	0.005925	0.00118
594486.6	4129130.7	0.005918	0.003821	0.003229	0.005918	0.00118
595047.1	4127721.65	0.000925	0.000602	0.000509	0.000925	0.00019
595080.55	4127721.65	0.001007	0.000655	0.000554	0.001007	0.00020
595047.1	4127745.31	0.001001	0.000652	0.000551	0.001001	0.00020
595080.55	4127745.31	0.001087	0.000707	0.000598	0.001087	0.00022
595047.1	4127768.97	0.001083	0.000705	0.000596	0.001083	0.00022
595080.55	4127768.97	0.001176	0.000765	0.000647	0.001176	0.00024
595047.1	4127792.63	0.001176	0.000765	0.000647	0.001176	0.00024
595080.55	4127792.63	0.001278	0.000831	0.000702	0.001278	0.00026
595047.1	4127816.29	0.00128	0.000833	0.000704	0.00128	0.00026
595080.55	4127816.29	0.00139	0.000903	0.000764	0.00139	0.00028
595047.1	4127839.95	0.001395	0.000908	0.000767	0.001395	0.00028
595080.55	4127839.95	0.001515	0.000984	0.000832	0.001515	0.00030
595047.1	4127863.61	0.001523	0.000991	0.000837	0.001523	0.00030
595080.55	4127863.61	0.001656	0.001076	0.00091	0.001656	0.00033
595047.1	4127887.27	0.001671	0.001087	0.000918	0.001671	0.00033
595080.55	4127887.27	0.001812	0.001176	0.000994	0.001812	0.00036
595047.1	4127910.93	0.001836	0.001193	0.001009	0.001836	0.00037
595080.55	4127910.93	0.001989	0.001291	0.001091	0.001989	0.00040
595047.1	4127934.59	0.002022	0.001314	0.00111	0.002022	0.00040
595080.55	4127934.59	0.002185	0.001418	0.001198	0.002185	0.00044
595047.1	4127958.25	0.002232	0.001449	0.001225	0.002232	0.00045
595080.55	4127958.25	0.002406	0.00156	0.001319	0.002406	0.00048
595047.1	4127981.91	0.002468	0.001602	0.001354	0.002468	0.00049
595080.55	4127981.91	0.002655	0.001721	0.001455	0.002655	0.00053
595047.1	4128005.57	0.002737	0.001775	0.0015	0.002737	0.00055
595080.55	4128005.57	0.002936	0.001902	0.001608	0.002936	0.00059
595047.1	4128029.23	0.003043	0.001972	0.001667	0.003043	0.00061
595080.55	4128029.23	0.003254	0.002107	0.001781	0.003254	0.00065

595047.1	4128052.89	0.003391	0.002197	0.001857	0.003391	0.00068
595080.55	4128052.89	0.003613	0.002339	0.001977	0.003613	0.00072
594886.23	4127719.27	0.000569	0.000374	0.000316	0.000569	0.00011
594950.74	4127719.27	0.0007	0.000458	0.000387	0.0007	0.00014
594886.23	4127747.71	0.00062	0.000407	0.000344	0.00062	0.00012
594950.74	4127747.71	0.000766	0.000501	0.000423	0.000766	0.00015
594886.23	4127776.15	0.000677	0.000445	0.000376	0.000677	0.00014
594950.74	4127776.15	0.000841	0.00055	0.000465	0.000841	0.00017
594886.23	4127804.59	0.000744	0.000489	0.000413	0.000744	0.00015
594950.74	4127804.59	0.000927	0.000606	0.000513	0.000927	0.00019
594886.23	4127833.03	0.000819	0.000539	0.000455	0.000819	0.00016
594950.74	4127833.03	0.001025	0.000671	0.000567	0.001025	0.00021
594886.23	4127861.47	0.000907	0.000597	0.000504	0.000907	0.00018
594950.74	4127861.47	0.001137	0.000744	0.000629	0.001137	0.00023
594886.23	4127889.91	0.001007	0.000662	0.00056	0.001007	0.00020
594950.74	4127889.91	0.00127	0.00083	0.000702	0.00127	0.00025
594886.23	4127918.35	0.001124	0.00074	0.000625	0.001124	0.00022
594950.74	4127918.35	0.001423	0.00093	0.000786	0.001423	0.00028
594834.46	4127713.69	0.000468	0.000308	0.00026	0.000468	0.00009
594862.34	4127713.69	0.000516	0.000339	0.000286	0.000516	0.00010
594834.46	4127736.34	0.000499	0.000329	0.000278	0.000499	0.00010
594862.34	4127736.34	0.000551	0.000362	0.000306	0.000551	0.00011
594834.46	4127758.99	0.000533	0.000352	0.000297	0.000533	0.00011
594862.34	4127758.99	0.000591	0.000389	0.000329	0.000591	0.00012
594834.46	4127781.64	0.000572	0.000377	0.000319	0.000572	0.00011
594862.34	4127781.64	0.000633	0.000417	0.000352	0.000633	0.00013
594834.46	4127804.29	0.000613	0.000405	0.000342	0.000613	0.00012
594862.34	4127804.29	0.000682	0.000449	0.00038	0.000682	0.00014
594834.46	4127826.94	0.00066	0.000436	0.000369	0.00066	0.00013
594862.34	4127826.94	0.000735	0.000484	0.000409	0.000735	0.00015
594834.46	4127849.59	0.000712	0.000471	0.000398	0.000712	0.00014
594862.34	4127849.59	0.000794	0.000523	0.000442	0.000794	0.00016
594834.46	4127872.24	0.00077	0.00051	0.000431	0.00077	0.00015
594862.34	4127872.24	0.000859	0.000567	0.000479	0.000859	0.00017
594834.46	4127894.89	0.000834	0.000553	0.000467	0.000834	0.00017
594862.34	4127894.89	0.000936	0.000618	0.000522	0.000936	0.00019
594834.46	4127917.54	0.000909	0.000603	0.00051	0.000909	0.00018
594862.34	4127917.54	0.00102	0.000674	0.00057	0.00102	0.00020
595026.39	4127722.45	0.000879	0.000573	0.000484	0.000879	0.00018

595026.39	4127759.08	0.000992	0.000646	0.000546	0.000992	0.00020
595026.39	4127795.71	0.001125	0.000733	0.00062	0.001125	0.00023
595026.39	4127832.34	0.001283	0.000836	0.000706	0.001283	0.00026
595026.39	4127868.97	0.001472	0.000958	0.00081	0.001472	0.00029
595026.39	4127905.6	0.001701	0.001107	0.000936	0.001701	0.00034
595026.39	4127942.23	0.001977	0.001285	0.001087	0.001977	0.00040
595026.39	4127978.86	0.002313	0.001502	0.00127	0.002313	0.00046
595026.39	4128015.49	0.002723	0.001767	0.001494	0.002723	0.00054
595026.39	4128052.12	0.003226	0.002092	0.001768	0.003226	0.00065
594967.92	4128313.02	0.012553	0.008108	0.006854	0.012553	0.00251
594989.44	4128313.02	0.012788	0.008259	0.006981	0.012788	0.00256
595010.96	4128313.02	0.012915	0.00834	0.007049	0.012915	0.00258
595032.48	4128313.02	0.012944	0.008358	0.007064	0.012944	0.00259
595054	4128313.02	0.012885	0.008319	0.007032	0.012885	0.00258
595075.52	4128313.02	0.01275	0.008231	0.006957	0.01275	0.00255
594967.92	4128341.65	0.015249	0.009847	0.008323	0.015249	0.00305
594989.44	4128341.65	0.015371	0.009925	0.008389	0.015371	0.00307
595010.96	4128341.65	0.015365	0.00992	0.008385	0.015365	0.00307
595032.48	4128341.65	0.015245	0.009842	0.008319	0.015245	0.00305
595054	4128341.65	0.015029	0.009702	0.008201	0.015029	0.00301
595075.52	4128341.65	0.014733	0.00951	0.008038	0.014733	0.00295
594967.92	4128370.28	0.018588	0.012001	0.010143	0.018588	0.00372
594989.44	4128370.28	0.01851	0.011949	0.0101	0.01851	0.00370
595010.96	4128370.28	0.018284	0.011803	0.009976	0.018284	0.00366
595032.48	4128370.28	0.017936	0.011577	0.009786	0.017936	0.00359
595054	4128370.28	0.01749	0.011289	0.009542	0.01749	0.00350
595075.52	4128370.28	0.016969	0.010953	0.009257	0.016969	0.00339
594967.92	4128398.91	0.022683	0.014641	0.012375	0.022683	0.00454
594989.44	4128398.91	0.022269	0.014374	0.012149	0.022269	0.00445
595010.96	4128398.91	0.021706	0.01401	0.011842	0.021706	0.00434
595032.48	4128398.91	0.021027	0.013571	0.01147	0.021027	0.00421
595054	4128398.91	0.020259	0.013075	0.011052	0.020259	0.00405
595075.52	4128398.91	0.019432	0.012541	0.010601	0.019432	0.00389
594967.92	4128427.54	0.02762	0.017825	0.015067	0.02762	0.00552
594989.44	4128427.54	0.026686	0.017222	0.014556	0.026686	0.00534
595010.96	4128427.54	0.025628	0.016539	0.013979	0.025628	0.00513
595032.48	4128427.54	0.024482	0.015799	0.013354	0.024482	0.00490
595054	4128427.54	0.023284	0.015026	0.012701	0.023284	0.00466
595075.52	4128427.54	0.022064	0.014239	0.012035	0.022064	0.00441

595000.73	4128430.99	0.026681	0.017218	0.014554	0.026681	0.00534
595032.09	4128430.99	0.024942	0.016096	0.013605	0.024942	0.00499
595063.45	4128430.99	0.023104	0.01491	0.012603	0.023104	0.00462
595000.73	4128448.25	0.029484	0.019026	0.016082	0.029484	0.00590
595032.09	4128448.25	0.027199	0.017552	0.014835	0.027199	0.00544
595063.45	4128448.25	0.024893	0.016064	0.013578	0.024893	0.00498
595000.73	4128465.51	0.032443	0.020935	0.017695	0.032443	0.00649
595032.09	4128465.51	0.029527	0.019054	0.016105	0.029527	0.00591
595063.45	4128465.51	0.026691	0.017224	0.014558	0.026691	0.00534
595056.55	4128477.03	0.028575	0.018439	0.015585	0.028575	0.00571
595097.42	4128477.03	0.024659	0.015913	0.01345	0.024659	0.00493
595138.29	4128477.03	0.021171	0.013663	0.011548	0.021171	0.00423
595056.55	4128506.38	0.031639	0.020416	0.017256	0.031639	0.00633
595097.42	4128506.38	0.026613	0.017174	0.014516	0.026613	0.00532
595138.29	4128506.38	0.022327	0.014409	0.012179	0.022327	0.00447
595185.07	4128542.78	0.018267	0.01179	0.009966	0.018267	0.00365
595200.24	4128542.78	0.016961	0.010948	0.009253	0.016961	0.00339
595215.41	4128542.78	0.015756	0.01017	0.008596	0.015756	0.00315
595230.58	4128542.78	0.014646	0.009455	0.007991	0.014646	0.00293
595245.75	4128542.78	0.013627	0.008796	0.007435	0.013627	0.00273
595260.92	4128542.78	0.012688	0.008191	0.006923	0.012688	0.00254
595276.09	4128542.78	0.011825	0.007634	0.006453	0.011825	0.00237
595291.26	4128542.78	0.011031	0.007122	0.006019	0.011031	0.00221
595306.43	4128542.78	0.010299	0.00665	0.00562	0.010299	0.00206
595321.6	4128542.78	0.009625	0.006215	0.005253	0.009625	0.00193
595185.07	4128563.98	0.017908	0.011559	0.00977	0.017908	0.00358
595200.24	4128563.98	0.016558	0.010688	0.009034	0.016558	0.00331
595215.41	4128563.98	0.015314	0.009886	0.008356	0.015314	0.00306
595230.58	4128563.98	0.014176	0.009152	0.007735	0.014176	0.00284
595245.75	4128563.98	0.013138	0.008482	0.007169	0.013138	0.00263
595260.92	4128563.98	0.01219	0.00787	0.006652	0.01219	0.00244
595276.09	4128563.98	0.011324	0.007312	0.00618	0.011324	0.00226
595291.26	4128563.98	0.010532	0.006801	0.005748	0.010532	0.00211
595306.43	4128563.98	0.009808	0.006333	0.005353	0.009808	0.00196
595321.6	4128563.98	0.009145	0.005905	0.004991	0.009145	0.00183
595185.07	4128585.18	0.017255	0.011139	0.009415	0.017255	0.00345
595200.24	4128585.18	0.015895	0.010261	0.008673	0.015895	0.00318
595215.41	4128585.18	0.014646	0.009455	0.007992	0.014646	0.00293
595230.58	4128585.18	0.013511	0.008723	0.007373	0.013511	0.00270

595245.75	4128585.18	0.01248	0.008058	0.006811	0.01248	0.00250
595260.92	4128585.18	0.011545	0.007455	0.006301	0.011545	0.00231
595276.09	4128585.18	0.010697	0.006907	0.005838	0.010697	0.00214
595291.26	4128585.18	0.009925	0.00641	0.005418	0.009925	0.00199
595306.43	4128585.18	0.009224	0.005957	0.005035	0.009224	0.00184
595321.6	4128585.18	0.008586	0.005545	0.004687	0.008586	0.00172
595185.07	4128606.38	0.016295	0.01052	0.008892	0.016295	0.00326
595200.24	4128606.38	0.014961	0.009659	0.008164	0.014961	0.00299
595215.41	4128606.38	0.01375	0.008878	0.007504	0.01375	0.00275
595230.58	4128606.38	0.012659	0.008174	0.006909	0.012659	0.00253
595245.75	4128606.38	0.011671	0.007537	0.006371	0.011671	0.00233
595260.92	4128606.38	0.010776	0.006959	0.005882	0.010776	0.00216
595276.09	4128606.38	0.009966	0.006436	0.00544	0.009966	0.00199
595291.26	4128606.38	0.009234	0.005964	0.005041	0.009234	0.00185
595306.43	4128606.38	0.008571	0.005536	0.004679	0.008571	0.00171
595321.6	4128606.38	0.007969	0.005147	0.004351	0.007969	0.00159
595343.81	4128516.24	0.009199	0.00594	0.00502	0.009199	0.00184
595380.27	4128516.24	0.007929	0.00512	0.004328	0.007929	0.00159
595416.73	4128516.24	0.006865	0.004433	0.003747	0.006865	0.00137
595453.19	4128516.24	0.00597	0.003856	0.003259	0.00597	0.00119
595343.81	4128534.78	0.008887	0.005739	0.00485	0.008887	0.00178
595380.27	4128534.78	0.007624	0.004923	0.004161	0.007624	0.00152
595416.73	4128534.78	0.006576	0.004247	0.00359	0.006576	0.00132
595453.19	4128534.78	0.005703	0.003684	0.003114	0.005703	0.00114
595343.81	4128553.32	0.008512	0.005497	0.004646	0.008512	0.00170
595380.27	4128553.32	0.007274	0.004698	0.003971	0.007274	0.00145
595416.73	4128553.32	0.006256	0.004041	0.003416	0.006256	0.00125
595453.19	4128553.32	0.005415	0.003498	0.002957	0.005415	0.00108
595343.81	4128571.86	0.008085	0.005222	0.004414	0.008085	0.00162
595380.27	4128571.86	0.006889	0.00445	0.003761	0.006889	0.00138
595416.73	4128571.86	0.005914	0.003821	0.003229	0.005914	0.00118
595453.19	4128571.86	0.005113	0.003304	0.002792	0.005113	0.00102
595343.81	4128590.4	0.007615	0.004919	0.004157	0.007615	0.00152
595380.27	4128590.4	0.006476	0.004184	0.003537	0.006476	0.00130
595416.73	4128590.4	0.005553	0.003588	0.003033	0.005553	0.00111
595453.19	4128590.4	0.004801	0.003103	0.002623	0.004801	0.00096
595343.81	4128608.94	0.007107	0.004591	0.003881	0.007107	0.00142
595380.27	4128608.94	0.006027	0.003894	0.003292	0.006027	0.00121
595416.73	4128608.94	0.005171	0.003342	0.002825	0.005171	0.00103

595453.19	4128608.94	0.004476	0.002894	0.002446	0.004476	0.00090
595459.33	4128741.51	0.002541	0.001647	0.001392	0.002541	0.00051
595488.36	4128741.51	0.002317	0.001502	0.00127	0.002317	0.00046
595517.39	4128741.51	0.002127	0.001379	0.001166	0.002127	0.00043
595546.42	4128741.51	0.00197	0.001278	0.00108	0.00197	0.00039
595575.45	4128741.51	0.001844	0.001196	0.001011	0.001844	0.00037
595604.48	4128741.51	0.00172	0.001116	0.000943	0.00172	0.00034
595633.51	4128741.51	0.001605	0.001041	0.00088	0.001605	0.00032
595662.54	4128741.51	0.001502	0.000974	0.000824	0.001502	0.00030
595691.57	4128741.51	0.001409	0.000914	0.000773	0.001409	0.00028
595720.6	4128741.51	0.001327	0.000861	0.000728	0.001327	0.00027
595749.63	4128741.51	0.001251	0.000812	0.000686	0.001251	0.00025
595778.66	4128741.51	0.001181	0.000766	0.000648	0.001181	0.00024
595807.69	4128741.51	0.001117	0.000725	0.000613	0.001117	0.00022
595836.72	4128741.51	0.001058	0.000687	0.00058	0.001058	0.00021
595865.75	4128741.51	0.001003	0.000651	0.000551	0.001003	0.00020
595894.78	4128741.51	0.000954	0.000619	0.000523	0.000954	0.00019
595923.81	4128741.51	0.000908	0.000589	0.000498	0.000908	0.00018
595952.84	4128741.51	0.000866	0.000562	0.000475	0.000866	0.00017
595981.87	4128741.51	0.000826	0.000536	0.000453	0.000826	0.00017
596010.9	4128741.51	0.00079	0.000513	0.000433	0.00079	0.00016
596039.93	4128741.51	0.000756	0.000491	0.000415	0.000756	0.00015
595459.33	4128760.66	0.002343	0.00152	0.001285	0.002343	0.00047
595488.36	4128760.66	0.002153	0.001397	0.001181	0.002153	0.00043
595517.39	4128760.66	0.001982	0.001286	0.001087	0.001982	0.00040
595546.42	4128760.66	0.001835	0.001191	0.001006	0.001835	0.00037
595575.45	4128760.66	0.001716	0.001114	0.000941	0.001716	0.00034
595604.48	4128760.66	0.001605	0.001042	0.000881	0.001605	0.00032
595633.51	4128760.66	0.001503	0.000976	0.000825	0.001503	0.00030
595662.54	4128760.66	0.001409	0.000914	0.000773	0.001409	0.00028
595691.57	4128760.66	0.001324	0.000859	0.000726	0.001324	0.00026
595720.6	4128760.66	0.001255	0.000815	0.000689	0.001255	0.00025
595749.63	4128760.66	0.001189	0.000772	0.000653	0.001189	0.00024
595778.66	4128760.66	0.001126	0.000731	0.000618	0.001126	0.00023
595807.69	4128760.66	0.001067	0.000693	0.000586	0.001067	0.00021
595836.72	4128760.66	0.001012	0.000657	0.000556	0.001012	0.00020
595865.75	4128760.66	0.000962	0.000625	0.000528	0.000962	0.00019
595894.78	4128760.66	0.000916	0.000595	0.000503	0.000916	0.00018
595923.81	4128760.66	0.000873	0.000567	0.000479	0.000873	0.00017

595952.84	4128760.66	0.000834	0.000542	0.000458	0.000834	0.00017
595981.87	4128760.66	0.000797	0.000518	0.000438	0.000797	0.00016
596010.9	4128760.66	0.000763	0.000496	0.000419	0.000763	0.00015
596039.93	4128760.66	0.000731	0.000475	0.000402	0.000731	0.00015
595459.33	4128779.81	0.002158	0.001401	0.001184	0.002158	0.00043
595488.36	4128779.81	0.001995	0.001295	0.001094	0.001995	0.00040
595517.39	4128779.81	0.001843	0.001196	0.001011	0.001843	0.00037
595546.42	4128779.81	0.001711	0.001111	0.000939	0.001711	0.00034
595575.45	4128779.81	0.001601	0.001039	0.000878	0.001601	0.00032
595604.48	4128779.81	0.001499	0.000974	0.000823	0.001499	0.00030
595633.51	4128779.81	0.001409	0.000915	0.000773	0.001409	0.00028
595662.54	4128779.81	0.001324	0.00086	0.000727	0.001324	0.00026
595691.57	4128779.81	0.001245	0.000809	0.000684	0.001245	0.00025
595720.6	4128779.81	0.001182	0.000768	0.000649	0.001182	0.00024
595749.63	4128779.81	0.001127	0.000732	0.000619	0.001127	0.00023
595778.66	4128779.81	0.001071	0.000696	0.000588	0.001071	0.00021
595807.69	4128779.81	0.001017	0.000661	0.000559	0.001017	0.00020
595836.72	4128779.81	0.000967	0.000629	0.000531	0.000967	0.00019
595865.75	4128779.81	0.000921	0.000599	0.000506	0.000921	0.00018
595894.78	4128779.81	0.000879	0.000571	0.000483	0.000879	0.00018
595923.81	4128779.81	0.000839	0.000545	0.000461	0.000839	0.00017
595952.84	4128779.81	0.000803	0.000522	0.000441	0.000803	0.00016
595981.87	4128779.81	0.000769	0.000499	0.000422	0.000769	0.00015
596010.9	4128779.81	0.000737	0.000479	0.000405	0.000737	0.00015
596039.93	4128779.81	0.000707	0.000459	0.000388	0.000707	0.00014
595459.33	4128798.96	0.001986	0.00129	0.00109	0.001986	0.00040
595488.36	4128798.96	0.001844	0.001198	0.001013	0.001844	0.00037
595517.39	4128798.96	0.001711	0.001112	0.00094	0.001711	0.00034
595546.42	4128798.96	0.001594	0.001036	0.000875	0.001594	0.00032
595575.45	4128798.96	0.001494	0.000971	0.00082	0.001494	0.00030
595604.48	4128798.96	0.001401	0.00091	0.00077	0.001401	0.00028
595633.51	4128798.96	0.001322	0.000859	0.000726	0.001322	0.00026
595662.54	4128798.96	0.001246	0.00081	0.000685	0.001246	0.00025
595691.57	4128798.96	0.001172	0.000762	0.000644	0.001172	0.00023
595720.6	4128798.96	0.001109	0.000721	0.00061	0.001109	0.00022
595749.63	4128798.96	0.001064	0.000692	0.000585	0.001064	0.00021
595778.66	4128798.96	0.001017	0.000661	0.000559	0.001017	0.00020
595807.69	4128798.96	0.000968	0.000629	0.000532	0.000968	0.00019
595836.72	4128798.96	0.000923	0.0006	0.000507	0.000923	0.00018



595865.75	4128798.96	0.000881	0.000573	0.000484	0.000881	0.00018
595894.78	4128798.96	0.000842	0.000547	0.000463	0.000842	0.00017
595923.81	4128798.96	0.000806	0.000524	0.000443	0.000806	0.00016
595952.84	4128798.96	0.000772	0.000502	0.000424	0.000772	0.00015
595981.87	4128798.96	0.00074	0.000481	0.000407	0.00074	0.00015
596010.9	4128798.96	0.00071	0.000462	0.00039	0.00071	0.00014
596039.93	4128798.96	0.000683	0.000444	0.000375	0.000683	0.00014
595459.33	4128818.11	0.001828	0.001188	0.001005	0.001828	0.00037
595488.36	4128818.11	0.001704	0.001108	0.000936	0.001704	0.00034
595517.39	4128818.11	0.001586	0.001031	0.000872	0.001586	0.00032
595546.42	4128818.11	0.001481	0.000963	0.000814	0.001481	0.00030
595575.45	4128818.11	0.001394	0.000907	0.000766	0.001394	0.00028
595604.48	4128818.11	0.00131	0.000852	0.00072	0.00131	0.00026
595633.51	4128818.11	0.001243	0.000808	0.000683	0.001243	0.00025
595662.54	4128818.11	0.001175	0.000764	0.000646	0.001175	0.00024
595691.57	4128818.11	0.001106	0.00072	0.000608	0.001106	0.00022
595720.6	4128818.11	0.00105	0.000683	0.000577	0.00105	0.00021
595749.63	4128818.11	0.001004	0.000653	0.000552	0.001004	0.00020
595778.66	4128818.11	0.000957	0.000622	0.000526	0.000957	0.00019
595807.69	4128818.11	0.000912	0.000593	0.000501	0.000912	0.00018
595836.72	4128818.11	0.000875	0.000569	0.000481	0.000875	0.00017
595865.75	4128818.11	0.000841	0.000547	0.000462	0.000841	0.00017
595894.78	4128818.11	0.000805	0.000524	0.000443	0.000805	0.00016
595923.81	4128818.11	0.000772	0.000502	0.000424	0.000772	0.00015
595952.84	4128818.11	0.000741	0.000482	0.000407	0.000741	0.00015
595981.87	4128818.11	0.000711	0.000463	0.000391	0.000711	0.00014
596010.9	4128818.11	0.000684	0.000445	0.000376	0.000684	0.00014
596039.93	4128818.11	0.000658	0.000428	0.000362	0.000658	0.00013
595459.33	4128837.26	0.001684	0.001096	0.000926	0.001684	0.00034
595488.36	4128837.26	0.001573	0.001024	0.000865	0.001573	0.00031
595517.39	4128837.26	0.001469	0.000956	0.000808	0.001469	0.00029
595546.42	4128837.26	0.001377	0.000896	0.000757	0.001377	0.00028
595575.45	4128837.26	0.001303	0.000848	0.000717	0.001303	0.00026
595604.48	4128837.26	0.001228	0.000799	0.000675	0.001228	0.00025
595633.51	4128837.26	0.001168	0.00076	0.000643	0.001168	0.00023
595662.54	4128837.26	0.001108	0.000721	0.00061	0.001108	0.00022
595691.57	4128837.26	0.001047	0.000682	0.000576	0.001047	0.00021
595720.6	4128837.26	0.000995	0.000648	0.000548	0.000995	0.00020
595749.63	4128837.26	0.000947	0.000617	0.000521	0.000947	0.00019

595778.66	4128837.26	0.000902	0.000587	0.000496	0.000902	0.00018
595807.69	4128837.26	0.000861	0.00056	0.000473	0.000861	0.00017
595836.72	4128837.26	0.000828	0.000539	0.000455	0.000828	0.00017
595865.75	4128837.26	0.000799	0.00052	0.00044	0.000799	0.00016
595894.78	4128837.26	0.000769	0.0005	0.000423	0.000769	0.00015
595923.81	4128837.26	0.000739	0.000481	0.000406	0.000739	0.00015
595952.84	4128837.26	0.00071	0.000462	0.00039	0.00071	0.00014
595981.87	4128837.26	0.000683	0.000444	0.000375	0.000683	0.00014
596010.9	4128837.26	0.000657	0.000427	0.000361	0.000657	0.00013
596039.93	4128837.26	0.000633	0.000412	0.000348	0.000633	0.00013
595459.33	4128856.41	0.001553	0.001012	0.000856	0.001553	0.00031
595488.36	4128856.41	0.001454	0.000947	0.000801	0.001454	0.00029
595517.39	4128856.41	0.001361	0.000887	0.00075	0.001361	0.00027
595546.42	4128856.41	0.00128	0.000834	0.000705	0.00128	0.00026
595575.45	4128856.41	0.00122	0.000795	0.000672	0.00122	0.00024
595604.48	4128856.41	0.001153	0.000751	0.000635	0.001153	0.00023
595633.51	4128856.41	0.001097	0.000715	0.000604	0.001097	0.00022
595662.54	4128856.41	0.001045	0.000681	0.000575	0.001045	0.00021
595691.57	4128856.41	0.000992	0.000646	0.000546	0.000992	0.00020
595720.6	4128856.41	0.000943	0.000615	0.000519	0.000943	0.00019
595749.63	4128856.41	0.000896	0.000583	0.000493	0.000896	0.00018
595778.66	4128856.41	0.000852	0.000555	0.000469	0.000852	0.00017
595807.69	4128856.41	0.000814	0.000531	0.000448	0.000814	0.00016
595836.72	4128856.41	0.000782	0.00051	0.000431	0.000782	0.00016
595865.75	4128856.41	0.000758	0.000493	0.000417	0.000758	0.00015
595894.78	4128856.41	0.000732	0.000477	0.000403	0.000732	0.00015
595923.81	4128856.41	0.000705	0.000459	0.000388	0.000705	0.00014
595952.84	4128856.41	0.000679	0.000442	0.000373	0.000679	0.00014
595981.87	4128856.41	0.000654	0.000425	0.00036	0.000654	0.00013
596010.9	4128856.41	0.00063	0.00041	0.000347	0.00063	0.00013
596039.93	4128856.41	0.000608	0.000396	0.000335	0.000608	0.00012
595459.33	4128875.56	0.001438	0.000938	0.000793	0.001438	0.00029
595488.36	4128875.56	0.001349	0.00088	0.000744	0.001349	0.00027
595517.39	4128875.56	0.00127	0.000829	0.0007	0.00127	0.00025
595546.42	4128875.56	0.001202	0.000784	0.000663	0.001202	0.00024
595575.45	4128875.56	0.001138	0.000742	0.000627	0.001138	0.00023
595604.48	4128875.56	0.001081	0.000705	0.000596	0.001081	0.00022
595633.51	4128875.56	0.00103	0.000672	0.000568	0.00103	0.00021
595662.54	4128875.56	0.000982	0.00064	0.000541	0.000982	0.00020

595691.57	4128875.56	0.000934	0.000609	0.000515	0.000934	0.00019
595720.6	4128875.56	0.000891	0.000581	0.000491	0.000891	0.00018
595749.63	4128875.56	0.000851	0.000555	0.000469	0.000851	0.00017
595778.66	4128875.56	0.000813	0.00053	0.000448	0.000813	0.00016
595807.69	4128875.56	0.000776	0.000506	0.000428	0.000776	0.00016
595836.72	4128875.56	0.000744	0.000485	0.00041	0.000744	0.00015
595865.75	4128875.56	0.000719	0.000468	0.000396	0.000719	0.00014
595894.78	4128875.56	0.000694	0.000452	0.000382	0.000694	0.00014
595923.81	4128875.56	0.000672	0.000438	0.00037	0.000672	0.00013
595952.84	4128875.56	0.000648	0.000422	0.000357	0.000648	0.00013
595981.87	4128875.56	0.000625	0.000407	0.000344	0.000625	0.00013
596010.9	4128875.56	0.000604	0.000393	0.000332	0.000604	0.00012
596039.93	4128875.56	0.000583	0.00038	0.000321	0.000583	0.00012
595459.33	4128894.71	0.001339	0.000875	0.00074	0.001339	0.00027
595488.36	4128894.71	0.001259	0.000822	0.000695	0.001259	0.00025
595517.39	4128894.71	0.00119	0.000778	0.000657	0.00119	0.00024
595546.42	4128894.71	0.001129	0.000737	0.000623	0.001129	0.00023
595575.45	4128894.71	0.001067	0.000696	0.000589	0.001067	0.00021
595604.48	4128894.71	0.001016	0.000663	0.000561	0.001016	0.00020
595633.51	4128894.71	0.000969	0.000632	0.000534	0.000969	0.00019
595662.54	4128894.71	0.000923	0.000603	0.000509	0.000923	0.00018
595691.57	4128894.71	0.00088	0.000574	0.000486	0.00088	0.00018
595720.6	4128894.71	0.000842	0.000549	0.000464	0.000842	0.00017
595749.63	4128894.71	0.000806	0.000526	0.000445	0.000806	0.00016
595778.66	4128894.71	0.000773	0.000504	0.000426	0.000773	0.00015
595807.69	4128894.71	0.000738	0.000482	0.000407	0.000738	0.00015
595836.72	4128894.71	0.000707	0.000461	0.00039	0.000707	0.00014
595865.75	4128894.71	0.000682	0.000445	0.000376	0.000682	0.00014
595894.78	4128894.71	0.000659	0.00043	0.000363	0.000659	0.00013
595923.81	4128894.71	0.000639	0.000417	0.000352	0.000639	0.00013
595952.84	4128894.71	0.000618	0.000403	0.00034	0.000618	0.00012
595981.87	4128894.71	0.000597	0.000389	0.000329	0.000597	0.00012
596010.9	4128894.71	0.000577	0.000376	0.000318	0.000577	0.00012
596039.93	4128894.71	0.000558	0.000364	0.000307	0.000558	0.00011
595459.33	4128913.86	0.001257	0.000823	0.000695	0.001257	0.00025
595488.36	4128913.86	0.001184	0.000774	0.000655	0.001184	0.00024
595517.39	4128913.86	0.001121	0.000733	0.00062	0.001121	0.00022
595546.42	4128913.86	0.001062	0.000694	0.000587	0.001062	0.00021
595575.45	4128913.86	0.001007	0.000658	0.000556	0.001007	0.00020

595604.48	4128913.86	0.000958	0.000626	0.000529	0.000958	0.00019
595633.51	4128913.86	0.000912	0.000596	0.000504	0.000912	0.00018
595662.54	4128913.86	0.00087	0.000568	0.00048	0.00087	0.00017
595691.57	4128913.86	0.000831	0.000543	0.000459	0.000831	0.00017
595720.6	4128913.86	0.000795	0.000519	0.000439	0.000795	0.00016
595749.63	4128913.86	0.000763	0.000498	0.000421	0.000763	0.00015
595778.66	4128913.86	0.000732	0.000478	0.000404	0.000732	0.00015
595807.69	4128913.86	0.0007	0.000457	0.000387	0.0007	0.00014
595836.72	4128913.86	0.000672	0.000439	0.000371	0.000672	0.00013
595865.75	4128913.86	0.000648	0.000423	0.000357	0.000648	0.00013
595894.78	4128913.86	0.000627	0.000409	0.000346	0.000627	0.00013
595923.81	4128913.86	0.000608	0.000397	0.000335	0.000608	0.00012
595952.84	4128913.86	0.000589	0.000384	0.000325	0.000589	0.00012
595981.87	4128913.86	0.000569	0.000371	0.000314	0.000569	0.00011
596010.9	4128913.86	0.000551	0.000359	0.000304	0.000551	0.00011
596039.93	4128913.86	0.000534	0.000348	0.000294	0.000534	0.00011
595459.33	4128933.01	0.001191	0.000781	0.00066	0.001191	0.00024
595488.36	4128933.01	0.001122	0.000735	0.000622	0.001122	0.00022
595517.39	4128933.01	0.001061	0.000695	0.000588	0.001061	0.00021
595546.42	4128933.01	0.001004	0.000658	0.000556	0.001004	0.00020
595575.45	4128933.01	0.000953	0.000624	0.000527	0.000953	0.00019
595604.48	4128933.01	0.000906	0.000593	0.000501	0.000906	0.00018
595633.51	4128933.01	0.000862	0.000564	0.000477	0.000862	0.00017
595662.54	4128933.01	0.000823	0.000538	0.000455	0.000823	0.00016
595691.57	4128933.01	0.000786	0.000514	0.000435	0.000786	0.00016
595720.6	4128933.01	0.000753	0.000492	0.000416	0.000753	0.00015
595749.63	4128933.01	0.000722	0.000472	0.000399	0.000722	0.00014
595778.66	4128933.01	0.000692	0.000453	0.000383	0.000692	0.00014
595807.69	4128933.01	0.000664	0.000434	0.000367	0.000664	0.00013
595836.72	4128933.01	0.000638	0.000417	0.000352	0.000638	0.00013
595865.75	4128933.01	0.000615	0.000402	0.00034	0.000615	0.00012
595894.78	4128933.01	0.000596	0.000389	0.000329	0.000596	0.00012
595923.81	4128933.01	0.000579	0.000378	0.000319	0.000579	0.00012
595952.84	4128933.01	0.000561	0.000366	0.000309	0.000561	0.00011
595981.87	4128933.01	0.000543	0.000354	0.000299	0.000543	0.00011
596010.9	4128933.01	0.000526	0.000343	0.00029	0.000526	0.00011
596039.93	4128933.01	0.00051	0.000333	0.000281	0.00051	0.00010
595459.33	4128952.16	0.001137	0.000746	0.000631	0.001137	0.00023
595488.36	4128952.16	0.001072	0.000703	0.000594	0.001072	0.00021

595517.39	4128952.16	0.001011	0.000663	0.000561	0.001011	0.00020
595546.42	4128952.16	0.000956	0.000627	0.00053	0.000956	0.00019
595575.45	4128952.16	0.000907	0.000594	0.000502	0.000907	0.00018
595604.48	4128952.16	0.000861	0.000564	0.000477	0.000861	0.00017
595633.51	4128952.16	0.000819	0.000537	0.000454	0.000819	0.00016
595662.54	4128952.16	0.000782	0.000512	0.000433	0.000782	0.00016
595691.57	4128952.16	0.000747	0.000489	0.000413	0.000747	0.00015
595720.6	4128952.16	0.000715	0.000468	0.000396	0.000715	0.00014
595749.63	4128952.16	0.000685	0.000449	0.000379	0.000685	0.00014
595778.66	4128952.16	0.000657	0.00043	0.000363	0.000657	0.00013
595807.69	4128952.16	0.00063	0.000412	0.000349	0.00063	0.00013
595836.72	4128952.16	0.000606	0.000397	0.000335	0.000606	0.00012
595865.75	4128952.16	0.000584	0.000382	0.000323	0.000584	0.00012
595894.78	4128952.16	0.000566	0.00037	0.000313	0.000566	0.00011
595923.81	4128952.16	0.000551	0.00036	0.000304	0.000551	0.00011
595952.84	4128952.16	0.000534	0.000349	0.000295	0.000534	0.00011
595981.87	4128952.16	0.000518	0.000338	0.000286	0.000518	0.00010
596010.9	4128952.16	0.000502	0.000328	0.000277	0.000502	0.00010
596039.93	4128952.16	0.000487	0.000318	0.000269	0.000487	0.00010
595459.33	4128971.31	0.001092	0.000718	0.000607	0.001092	0.00022
595488.36	4128971.31	0.001028	0.000676	0.000571	0.001028	0.00021
595517.39	4128971.31	0.00097	0.000637	0.000538	0.00097	0.00019
595546.42	4128971.31	0.000917	0.000602	0.000509	0.000917	0.00018
595575.45	4128971.31	0.000868	0.00057	0.000482	0.000868	0.00017
595604.48	4128971.31	0.000824	0.000541	0.000457	0.000824	0.00016
595633.51	4128971.31	0.000784	0.000514	0.000435	0.000784	0.00016
595662.54	4128971.31	0.000747	0.00049	0.000414	0.000747	0.00015
595691.57	4128971.31	0.000713	0.000468	0.000395	0.000713	0.00014
595720.6	4128971.31	0.000682	0.000447	0.000378	0.000682	0.00014
595749.63	4128971.31	0.000653	0.000428	0.000362	0.000653	0.00013
595778.66	4128971.31	0.000626	0.00041	0.000347	0.000626	0.00013
595807.69	4128971.31	0.000601	0.000394	0.000333	0.000601	0.00012
595836.72	4128971.31	0.000578	0.000379	0.00032	0.000578	0.00012
595865.75	4128971.31	0.000556	0.000364	0.000308	0.000556	0.00011
595894.78	4128971.31	0.000537	0.000351	0.000297	0.000537	0.00011
595923.81	4128971.31	0.000523	0.000342	0.000289	0.000523	0.00010
595952.84	4128971.31	0.000509	0.000333	0.000281	0.000509	0.00010
595981.87	4128971.31	0.000494	0.000323	0.000273	0.000494	0.00010
596010.9	4128971.31	0.00048	0.000313	0.000265	0.00048	0.00010

596039.93	4128971.31	0.000466	0.000304	0.000257	0.000466	0.00009
595459.33	4128990.46	0.001053	0.000693	0.000586	0.001053	0.00021
595488.36	4128990.46	0.000992	0.000653	0.000552	0.000992	0.00020
595517.39	4128990.46	0.000936	0.000616	0.00052	0.000936	0.00019
595546.42	4128990.46	0.000884	0.000581	0.000491	0.000884	0.00018
595575.45	4128990.46	0.000837	0.00055	0.000465	0.000837	0.00017
595604.48	4128990.46	0.000794	0.000521	0.000441	0.000794	0.00016
595633.51	4128990.46	0.000754	0.000495	0.000419	0.000754	0.00015
595662.54	4128990.46	0.000718	0.000471	0.000398	0.000718	0.00014
595691.57	4128990.46	0.000685	0.000449	0.00038	0.000685	0.00014
595720.6	4128990.46	0.000654	0.000429	0.000363	0.000654	0.00013
595749.63	4128990.46	0.000625	0.00041	0.000347	0.000625	0.00013
595778.66	4128990.46	0.000599	0.000393	0.000332	0.000599	0.00012
595807.69	4128990.46	0.000576	0.000377	0.000319	0.000576	0.00012
595836.72	4128990.46	0.000554	0.000363	0.000307	0.000554	0.00011
595865.75	4128990.46	0.000534	0.00035	0.000295	0.000534	0.00011
595894.78	4128990.46	0.000513	0.000336	0.000284	0.000513	0.00010
595923.81	4128990.46	0.000497	0.000325	0.000275	0.000497	0.00010
595952.84	4128990.46	0.000484	0.000317	0.000268	0.000484	0.00010
595981.87	4128990.46	0.000472	0.000309	0.000261	0.000472	0.00009
596010.9	4128990.46	0.000459	0.0003	0.000254	0.000459	0.00009
596039.93	4128990.46	0.000445	0.000291	0.000246	0.000445	0.00009
595459.33	4129009.61	0.001018	0.000672	0.000568	0.001018	0.00020
595488.36	4129009.61	0.00096	0.000633	0.000535	0.00096	0.00019
595517.39	4129009.61	0.000907	0.000597	0.000505	0.000907	0.00018
595546.42	4129009.61	0.000857	0.000564	0.000477	0.000857	0.00017
595575.45	4129009.61	0.000811	0.000534	0.000451	0.000811	0.00016
595604.48	4129009.61	0.000769	0.000506	0.000427	0.000769	0.00015
595633.51	4129009.61	0.00073	0.00048	0.000406	0.00073	0.00015
595662.54	4129009.61	0.000694	0.000456	0.000386	0.000694	0.00014
595691.57	4129009.61	0.000661	0.000435	0.000367	0.000661	0.00013
595720.6	4129009.61	0.00063	0.000414	0.00035	0.00063	0.00013
595749.63	4129009.61	0.000602	0.000395	0.000334	0.000602	0.00012
595778.66	4129009.61	0.000577	0.000379	0.00032	0.000577	0.00012
595807.69	4129009.61	0.000554	0.000364	0.000307	0.000554	0.00011
595836.72	4129009.61	0.000534	0.000351	0.000296	0.000534	0.00011
595865.75	4129009.61	0.000514	0.000337	0.000285	0.000514	0.00010
595894.78	4129009.61	0.000494	0.000324	0.000273	0.000494	0.00010
595923.81	4129009.61	0.000475	0.000311	0.000263	0.000475	0.00010

595952.84	4129009.61	0.000461	0.000302	0.000255	0.000461	0.00009
595981.87	4129009.61	0.000452	0.000296	0.00025	0.000452	0.00009
596010.9	4129009.61	0.00044	0.000288	0.000243	0.00044	0.00009
596039.93	4129009.61	0.000427	0.000279	0.000236	0.000427	0.00009
595459.33	4129028.76	0.000986	0.000652	0.000551	0.000986	0.00020
595488.36	4129028.76	0.000932	0.000616	0.00052	0.000932	0.00019
595517.39	4129028.76	0.000881	0.000582	0.000492	0.000881	0.00018
595546.42	4129028.76	0.000834	0.00055	0.000465	0.000834	0.00017
595575.45	4129028.76	0.000789	0.00052	0.00044	0.000789	0.00016
595604.48	4129028.76	0.000748	0.000493	0.000417	0.000748	0.00015
595633.51	4129028.76	0.00071	0.000468	0.000395	0.00071	0.00014
595662.54	4129028.76	0.000674	0.000444	0.000375	0.000674	0.00013
595691.57	4129028.76	0.000642	0.000422	0.000357	0.000642	0.00013
595720.6	4129028.76	0.000611	0.000402	0.00034	0.000611	0.00012
595749.63	4129028.76	0.000583	0.000384	0.000324	0.000583	0.00012
595778.66	4129028.76	0.000558	0.000367	0.00031	0.000558	0.00011
595807.69	4129028.76	0.000536	0.000352	0.000298	0.000536	0.00011
595836.72	4129028.76	0.000516	0.000339	0.000286	0.000516	0.00010
595865.75	4129028.76	0.000496	0.000326	0.000275	0.000496	0.00010
595894.78	4129028.76	0.000478	0.000314	0.000265	0.000478	0.00010
595923.81	4129028.76	0.000461	0.000302	0.000255	0.000461	0.00009
595952.84	4129028.76	0.000443	0.00029	0.000245	0.000443	0.00009
595981.87	4129028.76	0.000431	0.000282	0.000239	0.000431	0.00009
596010.9	4129028.76	0.000422	0.000276	0.000233	0.000422	0.00008
596039.93	4129028.76	0.00041	0.000268	0.000227	0.00041	0.00008
595459.33	4129047.91	0.000955	0.000633	0.000535	0.000955	0.00019
595488.36	4129047.91	0.000905	0.000599	0.000507	0.000905	0.00018
595517.39	4129047.91	0.000858	0.000567	0.00048	0.000858	0.00017
595546.42	4129047.91	0.000812	0.000537	0.000454	0.000812	0.00016
595575.45	4129047.91	0.00077	0.000509	0.00043	0.00077	0.00015
595604.48	4129047.91	0.00073	0.000482	0.000407	0.00073	0.00015
595633.51	4129047.91	0.000693	0.000457	0.000386	0.000693	0.00014
595662.54	4129047.91	0.000658	0.000434	0.000367	0.000658	0.00013
595691.57	4129047.91	0.000626	0.000412	0.000348	0.000626	0.00013
595720.6	4129047.91	0.000596	0.000392	0.000332	0.000596	0.00012
595749.63	4129047.91	0.000568	0.000374	0.000316	0.000568	0.00011
595778.66	4129047.91	0.000544	0.000358	0.000303	0.000544	0.00011
595807.69	4129047.91	0.000522	0.000343	0.00029	0.000522	0.00010
595836.72	4129047.91	0.000501	0.000329	0.000278	0.000501	0.00010

595865.75	4129047.91	0.000481	0.000316	0.000267	0.000481	0.00010
595894.78	4129047.91	0.000464	0.000305	0.000257	0.000464	0.00009
595923.81	4129047.91	0.000446	0.000293	0.000247	0.000446	0.00009
595952.84	4129047.91	0.000427	0.00028	0.000237	0.000427	0.00009
595981.87	4129047.91	0.000414	0.000272	0.00023	0.000414	0.00008
596010.9	4129047.91	0.000407	0.000266	0.000225	0.000407	0.00008
596039.93	4129047.91	0.000395	0.000258	0.000218	0.000395	0.00008
595459.33	4129067.06	0.000925	0.000615	0.00052	0.000925	0.00018
595488.36	4129067.06	0.000879	0.000583	0.000493	0.000879	0.00018
595517.39	4129067.06	0.000834	0.000553	0.000467	0.000834	0.00017
595546.42	4129067.06	0.000792	0.000525	0.000443	0.000792	0.00016
595575.45	4129067.06	0.000753	0.000498	0.000421	0.000753	0.00015
595604.48	4129067.06	0.000715	0.000472	0.000399	0.000715	0.00014
595633.51	4129067.06	0.000678	0.000448	0.000379	0.000678	0.00014
595662.54	4129067.06	0.000644	0.000425	0.00036	0.000644	0.00013
595691.57	4129067.06	0.000613	0.000404	0.000342	0.000613	0.00012
595720.6	4129067.06	0.000583	0.000385	0.000325	0.000583	0.00012
595749.63	4129067.06	0.000557	0.000367	0.00031	0.000557	0.00011
595778.66	4129067.06	0.000533	0.000351	0.000297	0.000533	0.00011
595807.69	4129067.06	0.00051	0.000336	0.000284	0.00051	0.00010
595836.72	4129067.06	0.000488	0.000321	0.000272	0.000488	0.00010
595865.75	4129067.06	0.000469	0.000308	0.000261	0.000469	0.00009
595894.78	4129067.06	0.000451	0.000297	0.000251	0.000451	0.00009
595923.81	4129067.06	0.000432	0.000284	0.00024	0.000432	0.00009
595952.84	4129067.06	0.000413	0.000271	0.000229	0.000413	0.00008
595981.87	4129067.06	0.000402	0.000264	0.000223	0.000402	0.00008
596010.9	4129067.06	0.000393	0.000258	0.000218	0.000393	0.00008
596039.93	4129067.06	0.000381	0.00025	0.000211	0.000381	0.00008
595459.33	4129086.21	0.000895	0.000597	0.000504	0.000895	0.00018
595488.36	4129086.21	0.000852	0.000567	0.000479	0.000852	0.00017
595517.39	4129086.21	0.000811	0.000539	0.000456	0.000811	0.00016
595546.42	4129086.21	0.000773	0.000513	0.000433	0.000773	0.00015
595575.45	4129086.21	0.000736	0.000488	0.000412	0.000736	0.00015
595604.48	4129086.21	0.0007	0.000463	0.000392	0.0007	0.00014
595633.51	4129086.21	0.000665	0.00044	0.000372	0.000665	0.00013
595662.54	4129086.21	0.000632	0.000418	0.000353	0.000632	0.00013
595691.57	4129086.21	0.000602	0.000398	0.000336	0.000602	0.00012
595720.6	4129086.21	0.000574	0.000379	0.00032	0.000574	0.00011
595749.63	4129086.21	0.000548	0.000361	0.000305	0.000548	0.00011



595778.66	4129086.21	0.000523	0.000345	0.000292	0.000523	0.00010
595807.69	4129086.21	0.000501	0.00033	0.000279	0.000501	0.00010
595836.72	4129086.21	0.000479	0.000315	0.000267	0.000479	0.00010
595865.75	4129086.21	0.000459	0.000302	0.000255	0.000459	0.00009
595894.78	4129086.21	0.000441	0.00029	0.000245	0.000441	0.00009
595923.81	4129086.21	0.000423	0.000278	0.000235	0.000423	0.00008
595952.84	4129086.21	0.000406	0.000266	0.000225	0.000406	0.00008
595981.87	4129086.21	0.000391	0.000257	0.000217	0.000391	0.00008
596010.9	4129086.21	0.00038	0.000249	0.000211	0.00038	0.00008
596039.93	4129086.21	0.00037	0.000242	0.000205	0.00037	0.00007
595459.33	4129105.36	0.000865	0.000579	0.00049	0.000865	0.00017
595488.36	4129105.36	0.000825	0.000551	0.000466	0.000825	0.00017
595517.39	4129105.36	0.000788	0.000525	0.000444	0.000788	0.00016
595546.42	4129105.36	0.000753	0.0005	0.000423	0.000753	0.00015
595575.45	4129105.36	0.000718	0.000477	0.000403	0.000718	0.00014
595604.48	4129105.36	0.000685	0.000454	0.000384	0.000685	0.00014
595633.51	4129105.36	0.000652	0.000432	0.000365	0.000652	0.00013
595662.54	4129105.36	0.000621	0.000411	0.000348	0.000621	0.00012
595691.57	4129105.36	0.000592	0.000392	0.000331	0.000592	0.00012
595720.6	4129105.36	0.000565	0.000373	0.000316	0.000565	0.00011
595749.63	4129105.36	0.00054	0.000356	0.000301	0.00054	0.00011
595778.66	4129105.36	0.000515	0.00034	0.000288	0.000515	0.00010
595807.69	4129105.36	0.000493	0.000325	0.000275	0.000493	0.00010
595836.72	4129105.36	0.000472	0.000311	0.000263	0.000472	0.00009
595865.75	4129105.36	0.000451	0.000297	0.000251	0.000451	0.00009
595894.78	4129105.36	0.000433	0.000285	0.000241	0.000433	0.00009
595923.81	4129105.36	0.000416	0.000274	0.000231	0.000416	0.00008
595952.84	4129105.36	0.000399	0.000262	0.000221	0.000399	0.00008
595981.87	4129105.36	0.000382	0.000251	0.000212	0.000382	0.00008
596010.9	4129105.36	0.000369	0.000242	0.000205	0.000369	0.00007
596039.93	4129105.36	0.000359	0.000236	0.000199	0.000359	0.00007
595459.33	4129124.51	0.000836	0.000562	0.000475	0.000836	0.00017
595488.36	4129124.51	0.000798	0.000535	0.000452	0.000798	0.00016
595517.39	4129124.51	0.000764	0.000511	0.000432	0.000764	0.00015
595546.42	4129124.51	0.000731	0.000488	0.000412	0.000731	0.00015
595575.45	4129124.51	0.000699	0.000466	0.000394	0.000699	0.00014
595604.48	4129124.51	0.000669	0.000444	0.000376	0.000669	0.00013
595633.51	4129124.51	0.000639	0.000424	0.000358	0.000639	0.00013
595662.54	4129124.51	0.00061	0.000404	0.000342	0.00061	0.00012

595691.57	4129124.51	0.000583	0.000386	0.000326	0.000583	0.00012
595720.6	4129124.51	0.000557	0.000369	0.000312	0.000557	0.00011
595749.63	4129124.51	0.000532	0.000352	0.000298	0.000532	0.00011
595778.66	4129124.51	0.000509	0.000336	0.000284	0.000509	0.00010
595807.69	4129124.51	0.000486	0.000321	0.000271	0.000486	0.00010
595836.72	4129124.51	0.000465	0.000307	0.000259	0.000465	0.00009
595865.75	4129124.51	0.000445	0.000294	0.000248	0.000445	0.00009
595894.78	4129124.51	0.000427	0.000281	0.000238	0.000427	0.00009
595923.81	4129124.51	0.000409	0.000269	0.000228	0.000409	0.00008
595952.84	4129124.51	0.000391	0.000257	0.000218	0.000391	0.00008
595981.87	4129124.51	0.000375	0.000246	0.000208	0.000375	0.00007
596010.9	4129124.51	0.000361	0.000237	0.000201	0.000361	0.00007
596039.93	4129124.51	0.000349	0.000229	0.000194	0.000349	0.00007
595249.89	4128695.55	0.007359	0.004758	0.004022	0.007359	0.00147
595290.33	4128695.55	0.006041	0.003907	0.003302	0.006041	0.00121
595330.77	4128695.55	0.005043	0.003262	0.002757	0.005043	0.00101
595371.21	4128695.55	0.004271	0.002763	0.002336	0.004271	0.00085
595411.65	4128695.55	0.003648	0.002361	0.001996	0.003648	0.00073
595452.09	4128695.55	0.003153	0.002041	0.001725	0.003153	0.00063
595249.89	4128726.21	0.006069	0.003927	0.003319	0.006069	0.00121
595290.33	4128726.21	0.005054	0.003271	0.002765	0.005054	0.00101
595330.77	4128726.21	0.004276	0.002768	0.00234	0.004276	0.00086
595371.21	4128726.21	0.003666	0.002374	0.002006	0.003666	0.00073
595411.65	4128726.21	0.003176	0.002057	0.001739	0.003176	0.00064
595452.09	4128726.21	0.002774	0.001797	0.001519	0.002774	0.00055
595249.89	4128756.87	0.004957	0.003211	0.002714	0.004957	0.00099
595290.33	4128756.87	0.0042	0.002721	0.0023	0.0042	0.00084
595330.77	4128756.87	0.003607	0.002338	0.001976	0.003607	0.00072
595371.21	4128756.87	0.003135	0.002032	0.001718	0.003135	0.00063
595411.65	4128756.87	0.00275	0.001783	0.001507	0.00275	0.00055
595452.09	4128756.87	0.002432	0.001577	0.001333	0.002432	0.00049
595249.89	4128787.53	0.004045	0.002625	0.002218	0.004045	0.00081
595290.33	4128787.53	0.003489	0.002264	0.001914	0.003489	0.00070
595330.77	4128787.53	0.003043	0.001975	0.001669	0.003043	0.00061
595371.21	4128787.53	0.002679	0.001739	0.00147	0.002679	0.00054
595411.65	4128787.53	0.002379	0.001544	0.001305	0.002379	0.00048
595452.09	4128787.53	0.002128	0.001381	0.001168	0.002128	0.00043
595249.89	4128818.19	0.003332	0.002167	0.001831	0.003332	0.00067
595290.33	4128818.19	0.002918	0.001897	0.001603	0.002918	0.00058

595330.77	4128818.19	0.002578	0.001676	0.001417	0.002578	0.00052
595371.21	4128818.19	0.002296	0.001493	0.001262	0.002296	0.00046
595411.65	4128818.19	0.00206	0.001339	0.001132	0.00206	0.00041
595452.09	4128818.19	0.00186	0.001209	0.001022	0.00186	0.00037
595249.89	4128848.85	0.002801	0.001826	0.001543	0.002801	0.00056
595290.33	4128848.85	0.002478	0.001615	0.001365	0.002478	0.00050
595330.77	4128848.85	0.00221	0.00144	0.001217	0.00221	0.00044
595371.21	4128848.85	0.001985	0.001293	0.001093	0.001985	0.00040
595411.65	4128848.85	0.001794	0.001169	0.000988	0.001794	0.00036
595452.09	4128848.85	0.00163	0.001061	0.000897	0.00163	0.00033
595249.89	4128879.51	0.002418	0.001581	0.001337	0.002418	0.00048
595290.33	4128879.51	0.002154	0.001407	0.00119	0.002154	0.00043
595330.77	4128879.51	0.001931	0.001261	0.001066	0.001931	0.00039
595371.21	4128879.51	0.001743	0.001138	0.000962	0.001743	0.00035
595411.65	4128879.51	0.001581	0.001032	0.000872	0.001581	0.00032
595452.09	4128879.51	0.00144	0.00094	0.000794	0.00144	0.00029
595249.89	4128910.17	0.002145	0.001408	0.00119	0.002145	0.00043
595290.33	4128910.17	0.001919	0.001259	0.001064	0.001919	0.00038
595330.77	4128910.17	0.001727	0.001131	0.000956	0.001727	0.00035
595371.21	4128910.17	0.001561	0.001022	0.000864	0.001561	0.00031
595411.65	4128910.17	0.001418	0.000928	0.000785	0.001418	0.00028
595452.09	4128910.17	0.001293	0.000846	0.000715	0.001293	0.00026
595249.89	4128940.83	0.001941	0.00128	0.001082	0.001941	0.00039
595290.33	4128940.83	0.001744	0.001148	0.00097	0.001744	0.00035
595330.77	4128940.83	0.001575	0.001035	0.000875	0.001575	0.00031
595371.21	4128940.83	0.001427	0.000937	0.000792	0.001427	0.00029
595411.65	4128940.83	0.001297	0.000851	0.00072	0.001297	0.00026
595452.09	4128940.83	0.001185	0.000778	0.000657	0.001185	0.00024
595370.31	4128948.01	0.001404	0.000923	0.00078	0.001404	0.00028
595402.84	4128948.01	0.0013	0.000854	0.000722	0.0013	0.00026
595435.37	4128948.01	0.001207	0.000792	0.00067	0.001207	0.00024
595370.31	4128976.76	0.00131	0.000864	0.00073	0.00131	0.00026
595402.84	4128976.76	0.001217	0.000802	0.000678	0.001217	0.00024
595435.37	4128976.76	0.001136	0.000748	0.000632	0.001136	0.00023
595370.31	4129005.51	0.001232	0.000816	0.00069	0.001232	0.00025
595402.84	4129005.51	0.00115	0.00076	0.000643	0.00115	0.00023
595435.37	4129005.51	0.001077	0.000711	0.000601	0.001077	0.00022
595370.31	4129034.26	0.001162	0.000773	0.000654	0.001162	0.00023
595402.84	4129034.26	0.00109	0.000723	0.000611	0.00109	0.00022

595435.37	4129034.26	0.001023	0.000678	0.000573	0.001023	0.00020
595370.31	4129063.01	0.001097	0.000735	0.000621	0.001097	0.00022
595402.84	4129063.01	0.001031	0.000688	0.000582	0.001031	0.00021
595435.37	4129063.01	0.000972	0.000647	0.000547	0.000972	0.00019
595370.31	4129091.76	0.00104	0.000702	0.000594	0.00104	0.00021
595402.84	4129091.76	0.000977	0.000656	0.000555	0.000977	0.00020
595435.37	4129091.76	0.000923	0.000617	0.000522	0.000923	0.00018
595548.86	4129154.91	0.000694	0.000465	0.000393	0.000694	0.00014
595605.25	4129154.91	0.000641	0.000428	0.000362	0.000641	0.00013
595661.64	4129154.91	0.000592	0.000394	0.000333	0.000592	0.00012
595718.03	4129154.91	0.000546	0.000362	0.000306	0.000546	0.00011
595548.86	4129180.69	0.000665	0.000448	0.000379	0.000665	0.00013
595605.25	4129180.69	0.000618	0.000414	0.00035	0.000618	0.00012
595661.64	4129180.69	0.000575	0.000383	0.000324	0.000575	0.00011
595718.03	4129180.69	0.000533	0.000354	0.0003	0.000533	0.00011
595548.86	4129206.47	0.000639	0.000433	0.000366	0.000639	0.00013
595605.25	4129206.47	0.000593	0.000399	0.000338	0.000593	0.00012
595661.64	4129206.47	0.000555	0.000371	0.000314	0.000555	0.00011
595718.03	4129206.47	0.000518	0.000345	0.000292	0.000518	0.00010
595548.86	4129232.25	0.000616	0.000421	0.000356	0.000616	0.00012
595605.25	4129232.25	0.00057	0.000386	0.000326	0.00057	0.00011
595661.64	4129232.25	0.000534	0.000359	0.000303	0.000534	0.00011
595718.03	4129232.25	0.000502	0.000335	0.000283	0.000502	0.00010
595770.66	4129137.18	0.000511	0.000338	0.000285	0.000511	0.00010
595794.75	4129137.18	0.000492	0.000325	0.000275	0.000492	0.00010
595818.84	4129137.18	0.000474	0.000313	0.000265	0.000474	0.00009
595842.93	4129137.18	0.000457	0.000302	0.000255	0.000457	0.00009
595867.02	4129137.18	0.000441	0.000291	0.000246	0.000441	0.00009
595891.11	4129137.18	0.000426	0.00028	0.000237	0.000426	0.00009
595915.2	4129137.18	0.000411	0.000271	0.000229	0.000411	0.00008
595939.29	4129137.18	0.000396	0.00026	0.00022	0.000396	0.00008
595770.66	4129177.59	0.000497	0.000329	0.000278	0.000497	0.00010
595794.75	4129177.59	0.00048	0.000318	0.000269	0.00048	0.00010
595818.84	4129177.59	0.000463	0.000306	0.000259	0.000463	0.00009
595842.93	4129177.59	0.000447	0.000295	0.00025	0.000447	0.00009
595867.02	4129177.59	0.000432	0.000285	0.000241	0.000432	0.00009
595891.11	4129177.59	0.000416	0.000274	0.000232	0.000416	0.00008
595915.2	4129177.59	0.000401	0.000264	0.000223	0.000401	0.00008
595939.29	4129177.59	0.000387	0.000255	0.000215	0.000387	0.00008

595770.66	4129218	0.000479	0.000319	0.000269	0.000479	0.00010
595794.75	4129218	0.000465	0.000308	0.000261	0.000465	0.00009
595818.84	4129218	0.00045	0.000298	0.000252	0.00045	0.00009
595842.93	4129218	0.000436	0.000288	0.000244	0.000436	0.00009
595867.02	4129218	0.000422	0.000279	0.000235	0.000422	0.00008
595891.11	4129218	0.000407	0.000269	0.000227	0.000407	0.00008
595915.2	4129218	0.000394	0.000259	0.000219	0.000394	0.00008
595939.29	4129218	0.00038	0.00025	0.000212	0.00038	0.00008
595770.66	4129258.41	0.000457	0.000305	0.000257	0.000457	0.00009
595794.75	4129258.41	0.000445	0.000296	0.00025	0.000445	0.00009
595818.84	4129258.41	0.000433	0.000287	0.000243	0.000433	0.00009
595842.93	4129258.41	0.000421	0.000279	0.000236	0.000421	0.00008
595867.02	4129258.41	0.000409	0.00027	0.000228	0.000409	0.00008
595891.11	4129258.41	0.000397	0.000262	0.000221	0.000397	0.00008
595915.2	4129258.41	0.000385	0.000254	0.000215	0.000385	0.00008
595939.29	4129258.41	0.000373	0.000246	0.000208	0.000373	0.00007
595770.66	4129298.82	0.000431	0.000288	0.000244	0.000431	0.00009
595794.75	4129298.82	0.000421	0.000281	0.000237	0.000421	0.00008
595818.84	4129298.82	0.000411	0.000273	0.000231	0.000411	0.00008
595842.93	4129298.82	0.000401	0.000266	0.000225	0.000401	0.00008
595867.02	4129298.82	0.000391	0.000259	0.000219	0.000391	0.00008
595891.11	4129298.82	0.000382	0.000252	0.000213	0.000382	0.00008
595915.2	4129298.82	0.000372	0.000246	0.000208	0.000372	0.00007
595939.29	4129298.82	0.000363	0.000239	0.000202	0.000363	0.00007
595957.02	4129258.56	0.000365	0.00024	0.000203	0.000365	0.00007
596003.21	4129258.56	0.000343	0.000225	0.000191	0.000343	0.00007
595957.02	4129289.71	0.000358	0.000235	0.000199	0.000358	0.00007
596003.21	4129289.71	0.000339	0.000223	0.000188	0.000339	0.00007
595957.02	4129320.86	0.000349	0.000229	0.000194	0.000349	0.00007
596003.21	4129320.86	0.000333	0.000218	0.000185	0.000333	0.00007
595957.02	4129352.01	0.000337	0.000222	0.000187	0.000337	0.00007
596003.21	4129352.01	0.000324	0.000212	0.00018	0.000324	0.00006
595780.89	4129328.94	0.000406	0.000272	0.00023	0.000406	0.00008
595811.48	4129328.94	0.000395	0.000263	0.000223	0.000395	0.00008
595842.07	4129328.94	0.000384	0.000255	0.000216	0.000384	0.00008
595872.66	4129328.94	0.000374	0.000248	0.000209	0.000374	0.00007
595903.25	4129328.94	0.000364	0.00024	0.000203	0.000364	0.00007
595933.84	4129328.94	0.000354	0.000233	0.000197	0.000354	0.00007
595780.89	4129353.44	0.00039	0.000262	0.000221	0.00039	0.00008

595811.48	4129353.44	0.000379	0.000253	0.000214	0.000379	0.00008
595842.07	4129353.44	0.00037	0.000246	0.000208	0.00037	0.00007
595872.66	4129353.44	0.00036	0.000239	0.000202	0.00036	0.00007
595903.25	4129353.44	0.000352	0.000232	0.000196	0.000352	0.00007
595933.84	4129353.44	0.000343	0.000226	0.000191	0.000343	0.00007
595780.89	4129377.94	0.000375	0.000252	0.000213	0.000375	0.00007
595811.48	4129377.94	0.000364	0.000243	0.000205	0.000364	0.00007
595842.07	4129377.94	0.000355	0.000236	0.000199	0.000355	0.00007
595872.66	4129377.94	0.000346	0.000229	0.000194	0.000346	0.00007
595903.25	4129377.94	0.000339	0.000223	0.000189	0.000339	0.00007
595933.84	4129377.94	0.000331	0.000218	0.000184	0.000331	0.00007
595780.89	4129402.44	0.000361	0.000243	0.000205	0.000361	0.00007
595811.48	4129402.44	0.000349	0.000233	0.000197	0.000349	0.00007
595842.07	4129402.44	0.00034	0.000226	0.000191	0.00034	0.00007
595872.66	4129402.44	0.000332	0.000219	0.000185	0.000332	0.00007
595903.25	4129402.44	0.000325	0.000214	0.000181	0.000325	0.00006
595933.84	4129402.44	0.000319	0.00021	0.000177	0.000319	0.00006
595780.89	4129426.94	0.000349	0.000234	0.000198	0.000349	0.00007
595811.48	4129426.94	0.000336	0.000224	0.000189	0.000336	0.00007
595842.07	4129426.94	0.000326	0.000216	0.000183	0.000326	0.00007
595872.66	4129426.94	0.000318	0.00021	0.000178	0.000318	0.00006
595903.25	4129426.94	0.000311	0.000205	0.000173	0.000311	0.00006
595933.84	4129426.94	0.000306	0.000201	0.00017	0.000306	0.00006
595780.89	4129451.44	0.000337	0.000226	0.000191	0.000337	0.00007
595811.48	4129451.44	0.000324	0.000215	0.000182	0.000324	0.00006
595842.07	4129451.44	0.000313	0.000207	0.000175	0.000313	0.00006
595872.66	4129451.44	0.000305	0.000201	0.00017	0.000305	0.00006
595903.25	4129451.44	0.000299	0.000196	0.000166	0.000299	0.00006
595933.84	4129451.44	0.000293	0.000192	0.000163	0.000293	0.00006
595780.89	4129475.94	0.000328	0.000218	0.000185	0.000328	0.00007
595811.48	4129475.94	0.000314	0.000208	0.000176	0.000314	0.00006
595842.07	4129475.94	0.000303	0.0002	0.000169	0.000303	0.00006
595872.66	4129475.94	0.000294	0.000193	0.000163	0.000294	0.00006
595903.25	4129475.94	0.000287	0.000188	0.000159	0.000287	0.00006
595933.84	4129475.94	0.000281	0.000184	0.000156	0.000281	0.00006
595642.77	4129286.53	0.000504	0.000343	0.00029	0.000504	0.00010
595677.31	4129286.53	0.000484	0.000327	0.000277	0.000484	0.00010
595711.85	4129286.53	0.000466	0.000314	0.000265	0.000466	0.00009
595746.39	4129286.53	0.00045	0.000301	0.000255	0.00045	0.00009

595642.77	4129336.29	0.000478	0.00033	0.000279	0.000478	0.00010
595677.31	4129336.29	0.000453	0.00031	0.000262	0.000453	0.00009
595711.85	4129336.29	0.000432	0.000294	0.000248	0.000432	0.00009
595746.39	4129336.29	0.000416	0.00028	0.000237	0.000416	0.00008
595642.77	4129386.05	0.000466	0.000327	0.000277	0.000466	0.00009
595677.31	4129386.05	0.000433	0.0003	0.000254	0.000433	0.00009
595711.85	4129386.05	0.000407	0.000278	0.000235	0.000407	0.00008
595746.39	4129386.05	0.000386	0.000262	0.000221	0.000386	0.00008
595642.77	4129435.81	0.000468	0.000336	0.000284	0.000468	0.00009
595677.31	4129435.81	0.000423	0.000297	0.000251	0.000423	0.00008
595711.85	4129435.81	0.000389	0.000268	0.000226	0.000389	0.00008
595746.39	4129435.81	0.000364	0.000247	0.000208	0.000364	0.00007
595642.77	4129485.57	0.000477	0.00035	0.000296	0.000477	0.00010
595677.31	4129485.57	0.000411	0.000287	0.000243	0.000411	0.00008
595711.85	4129485.57	0.000372	0.000253	0.000214	0.000372	0.00007
595746.39	4129485.57	0.000345	0.000231	0.000196	0.000345	0.00007
595788.1	4129524.74	0.00031	0.000205	0.000173	0.00031	0.00006
595814.56	4129524.74	0.000298	0.000196	0.000166	0.000298	0.00006
595841.02	4129524.74	0.000287	0.000189	0.00016	0.000287	0.00006
595867.48	4129524.74	0.000278	0.000183	0.000154	0.000278	0.00006
595893.94	4129524.74	0.000271	0.000177	0.00015	0.000271	0.00005
595920.4	4129524.74	0.000264	0.000173	0.000146	0.000264	0.00005
595946.86	4129524.74	0.000259	0.000169	0.000143	0.000259	0.00005
595973.32	4129524.74	0.000255	0.000166	0.00014	0.000255	0.00005
595999.78	4129524.74	0.000251	0.000164	0.000138	0.000251	0.00005
595788.1	4129556.46	0.000305	0.0002	0.000169	0.000305	0.00006
595814.56	4129556.46	0.000292	0.000192	0.000162	0.000292	0.00006
595841.02	4129556.46	0.000281	0.000184	0.000156	0.000281	0.00006
595867.48	4129556.46	0.000271	0.000177	0.00015	0.000271	0.00005
595893.94	4129556.46	0.000263	0.000172	0.000145	0.000263	0.00005
595920.4	4129556.46	0.000255	0.000167	0.000141	0.000255	0.00005
595946.86	4129556.46	0.000249	0.000163	0.000137	0.000249	0.00005
595973.32	4129556.46	0.000244	0.000159	0.000134	0.000244	0.00005
595999.78	4129556.46	0.00024	0.000156	0.000132	0.00024	0.00005
595788.1	4129588.18	0.000301	0.000197	0.000167	0.000301	0.00006
595814.56	4129588.18	0.000289	0.000189	0.00016	0.000289	0.00006
595841.02	4129588.18	0.000277	0.000181	0.000153	0.000277	0.00006
595867.48	4129588.18	0.000267	0.000174	0.000147	0.000267	0.00005
595893.94	4129588.18	0.000257	0.000168	0.000142	0.000257	0.00005

595920.4	4129588.18	0.000249	0.000162	0.000137	0.000249	0.00005
595946.86	4129588.18	0.000242	0.000158	0.000133	0.000242	0.00005
595973.32	4129588.18	0.000236	0.000154	0.00013	0.000236	0.00005
595999.78	4129588.18	0.00023	0.00015	0.000127	0.00023	0.00005
595788.1	4129619.9	0.000298	0.000195	0.000165	0.000298	0.00006
595814.56	4129619.9	0.000286	0.000187	0.000158	0.000286	0.00006
595841.02	4129619.9	0.000275	0.000179	0.000152	0.000275	0.00005
595867.48	4129619.9	0.000264	0.000172	0.000146	0.000264	0.00005
595893.94	4129619.9	0.000254	0.000166	0.00014	0.000254	0.00005
595920.4	4129619.9	0.000245	0.00016	0.000135	0.000245	0.00005
595946.86	4129619.9	0.000237	0.000154	0.00013	0.000237	0.00005
595973.32	4129619.9	0.00023	0.00015	0.000127	0.00023	0.00005
595999.78	4129619.9	0.000224	0.000146	0.000123	0.000224	0.00004
595788.1	4129651.62	0.000295	0.000193	0.000163	0.000295	0.00006
595814.56	4129651.62	0.000284	0.000185	0.000157	0.000284	0.00006
595841.02	4129651.62	0.000273	0.000178	0.00015	0.000273	0.00005
595867.48	4129651.62	0.000262	0.000171	0.000145	0.000262	0.00005
595893.94	4129651.62	0.000252	0.000164	0.000139	0.000252	0.00005
595920.4	4129651.62	0.000243	0.000158	0.000134	0.000243	0.00005
595946.86	4129651.62	0.000234	0.000152	0.000129	0.000234	0.00005
595973.32	4129651.62	0.000226	0.000147	0.000124	0.000226	0.00005
595999.78	4129651.62	0.000219	0.000143	0.000121	0.000219	0.00004
595788.1	4129683.34	0.000291	0.00019	0.000161	0.000291	0.00006
595814.56	4129683.34	0.000281	0.000183	0.000155	0.000281	0.00006
595841.02	4129683.34	0.000271	0.000177	0.000149	0.000271	0.00005
595867.48	4129683.34	0.000261	0.00017	0.000144	0.000261	0.00005
595893.94	4129683.34	0.000251	0.000163	0.000138	0.000251	0.00005
595920.4	4129683.34	0.000242	0.000157	0.000133	0.000242	0.00005
595946.86	4129683.34	0.000232	0.000151	0.000128	0.000232	0.00005
595973.32	4129683.34	0.000224	0.000146	0.000123	0.000224	0.00004
595999.78	4129683.34	0.000217	0.000141	0.000119	0.000217	0.00004
593920.79	4128960.54	0.002395	0.001547	0.001308	0.002395	0.00048
593955.22	4128960.54	0.002619	0.001691	0.00143	0.002619	0.00052
593989.65	4128960.54	0.002871	0.001854	0.001567	0.002871	0.00057
594024.08	4128960.54	0.003156	0.002038	0.001723	0.003156	0.00063
594058.51	4128960.54	0.003479	0.002246	0.001898	0.003479	0.00070
594092.94	4128960.54	0.003845	0.002483	0.002098	0.003845	0.00077
594127.37	4128960.54	0.004261	0.002751	0.002325	0.004261	0.00085
594161.8	4128960.54	0.004736	0.003057	0.002584	0.004736	0.00095



594196.23	4128960.54	0.005275	0.003405	0.002878	0.005275	0.00105
594230.66	4128960.54	0.005888	0.003801	0.003212	0.005888	0.00118
594265.09	4128960.54	0.006583	0.004249	0.003591	0.006583	0.00132
594299.52	4128960.54	0.007368	0.004756	0.00402	0.007368	0.00147
593920.79	4128979.2	0.002446	0.00158	0.001335	0.002446	0.00049
593955.22	4128979.2	0.002669	0.001724	0.001457	0.002669	0.00053
593989.65	4128979.2	0.002921	0.001886	0.001594	0.002921	0.00058
594024.08	4128979.2	0.003204	0.002069	0.001748	0.003204	0.00064
594058.51	4128979.2	0.003521	0.002274	0.001922	0.003521	0.00070
594092.94	4128979.2	0.00388	0.002505	0.002118	0.00388	0.00078
594127.37	4128979.2	0.004286	0.002767	0.002339	0.004286	0.00086
594161.8	4128979.2	0.004745	0.003063	0.002589	0.004745	0.00095
594196.23	4128979.2	0.005261	0.003396	0.00287	0.005261	0.00105
594230.66	4128979.2	0.005841	0.003771	0.003187	0.005841	0.00117
594265.09	4128979.2	0.006491	0.00419	0.003541	0.006491	0.00130
594299.52	4128979.2	0.007215	0.004657	0.003936	0.007215	0.00144
593920.79	4128997.86	0.002489	0.001608	0.001359	0.002489	0.00050
593955.22	4128997.86	0.002712	0.001751	0.00148	0.002712	0.00054
593989.65	4128997.86	0.002961	0.001912	0.001616	0.002961	0.00059
594024.08	4128997.86	0.003239	0.002091	0.001768	0.003239	0.00065
594058.51	4128997.86	0.00355	0.002292	0.001938	0.00355	0.00071
594092.94	4128997.86	0.0039	0.002518	0.002128	0.0039	0.00078
594127.37	4128997.86	0.004292	0.002771	0.002342	0.004292	0.00086
594161.8	4128997.86	0.004731	0.003054	0.002581	0.004731	0.00095
594196.23	4128997.86	0.005221	0.00337	0.002848	0.005221	0.00104
594230.66	4128997.86	0.005765	0.003721	0.003145	0.005765	0.00115
594265.09	4128997.86	0.006368	0.00411	0.003474	0.006368	0.00127
594299.52	4128997.86	0.007028	0.004536	0.003834	0.007028	0.00141
593920.79	4129016.52	0.002525	0.001631	0.001379	0.002525	0.00051
593955.22	4129016.52	0.002746	0.001773	0.001499	0.002746	0.00055
593989.65	4129016.52	0.00299	0.001931	0.001632	0.00299	0.00060
594024.08	4129016.52	0.003262	0.002106	0.00178	0.003262	0.00065
594058.51	4129016.52	0.003566	0.002302	0.001946	0.003566	0.00071
594092.94	4129016.52	0.003904	0.002521	0.00213	0.003904	0.00078
594127.37	4129016.52	0.00428	0.002763	0.002335	0.00428	0.00086
594161.8	4129016.52	0.004697	0.003032	0.002563	0.004697	0.00094
594196.23	4129016.52	0.005158	0.003329	0.002814	0.005158	0.00103
594230.66	4129016.52	0.005664	0.003656	0.00309	0.005664	0.00113
594265.09	4129016.52	0.006218	0.004013	0.003392	0.006218	0.00124

594299.52	4129016.52	0.006813	0.004397	0.003717	0.006813	0.00136
593920.79	4129035.18	0.002554	0.001649	0.001394	0.002554	0.00051
593955.22	4129035.18	0.00277	0.001789	0.001512	0.00277	0.00055
593989.65	4129035.18	0.003009	0.001943	0.001642	0.003009	0.00060
594024.08	4129035.18	0.003275	0.002114	0.001787	0.003275	0.00065
594058.51	4129035.18	0.003568	0.002304	0.001947	0.003568	0.00071
594092.94	4129035.18	0.003893	0.002513	0.002124	0.003893	0.00078
594127.37	4129035.18	0.004251	0.002744	0.00232	0.004251	0.00085
594161.8	4129035.18	0.004645	0.002998	0.002534	0.004645	0.00093
594196.23	4129035.18	0.005075	0.003276	0.002769	0.005075	0.00102
594230.66	4129035.18	0.005543	0.003578	0.003024	0.005543	0.00111
594265.09	4129035.18	0.006045	0.003902	0.003298	0.006045	0.00121
594299.52	4129035.18	0.006576	0.004245	0.003588	0.006576	0.00132
593920.79	4129053.84	0.002575	0.001663	0.001405	0.002575	0.00051
593955.22	4129053.84	0.002786	0.001799	0.001521	0.002786	0.00056
593989.65	4129053.84	0.003019	0.001949	0.001647	0.003019	0.00060
594024.08	4129053.84	0.003275	0.002115	0.001787	0.003275	0.00066
594058.51	4129053.84	0.003558	0.002297	0.001941	0.003558	0.00071
594092.94	4129053.84	0.003867	0.002496	0.00211	0.003867	0.00077
594127.37	4129053.84	0.004206	0.002715	0.002295	0.004206	0.00084
594161.8	4129053.84	0.004575	0.002953	0.002496	0.004575	0.00092
594196.23	4129053.84	0.004974	0.003211	0.002714	0.004974	0.00099
594230.66	4129053.84	0.005404	0.003488	0.002948	0.005404	0.00108
594265.09	4129053.84	0.005856	0.00378	0.003195	0.005856	0.00117
594299.52	4129053.84	0.006327	0.004084	0.003452	0.006327	0.00127
593920.79	4129072.5	0.002588	0.001671	0.001412	0.002588	0.00052
593955.22	4129072.5	0.002793	0.001804	0.001525	0.002793	0.00056
593989.65	4129072.5	0.003019	0.001949	0.001647	0.003019	0.00060
594024.08	4129072.5	0.003265	0.002108	0.001782	0.003265	0.00065
594058.51	4129072.5	0.003535	0.002282	0.001929	0.003535	0.00071
594092.94	4129072.5	0.003829	0.002472	0.002089	0.003829	0.00077
594127.37	4129072.5	0.004148	0.002678	0.002263	0.004148	0.00083
594161.8	4129072.5	0.004492	0.0029	0.002451	0.004492	0.00090
594196.23	4129072.5	0.00486	0.003137	0.002651	0.00486	0.00097
594230.66	4129072.5	0.00525	0.003389	0.002864	0.00525	0.00105
594265.09	4129072.5	0.005654	0.00365	0.003085	0.005654	0.00113
594299.52	4129072.5	0.006067	0.003916	0.00331	0.006067	0.00121
593920.79	4129091.16	0.002593	0.001675	0.001416	0.002593	0.00052
593955.22	4129091.16	0.002792	0.001803	0.001524	0.002792	0.00056

593989.65	4129091.16	0.003009	0.001943	0.001642	0.003009	0.00060
594024.08	4129091.16	0.003246	0.002095	0.001771	0.003246	0.00065
594058.51	4129091.16	0.003502	0.002261	0.001911	0.003502	0.00070
594092.94	4129091.16	0.00378	0.00244	0.002062	0.00378	0.00076
594127.37	4129091.16	0.004078	0.002633	0.002225	0.004078	0.00082
594161.8	4129091.16	0.004397	0.002838	0.002399	0.004397	0.00088
594196.23	4129091.16	0.004733	0.003056	0.002583	0.004733	0.00095
594230.66	4129091.16	0.005085	0.003282	0.002774	0.005085	0.00102
594265.09	4129091.16	0.005444	0.003514	0.00297	0.005444	0.00109
594299.52	4129091.16	0.005801	0.003745	0.003165	0.005801	0.00116
593920.79	4129109.82	0.002592	0.001674	0.001415	0.002592	0.00052
593955.22	4129109.82	0.002784	0.001797	0.001519	0.002784	0.00056
593989.65	4129109.82	0.002992	0.001932	0.001633	0.002992	0.00060
594024.08	4129109.82	0.003217	0.002077	0.001756	0.003217	0.00064
594058.51	4129109.82	0.00346	0.002234	0.001888	0.00346	0.00069
594092.94	4129109.82	0.003721	0.002402	0.00203	0.003721	0.00074
594127.37	4129109.82	0.003999	0.002581	0.002182	0.003999	0.00080
594161.8	4129109.82	0.004292	0.002771	0.002342	0.004292	0.00086
594196.23	4129109.82	0.004598	0.002968	0.002509	0.004598	0.00092
594230.66	4129109.82	0.004912	0.003171	0.00268	0.004912	0.00098
594265.09	4129109.82	0.005227	0.003374	0.002852	0.005227	0.00105
594299.52	4129109.82	0.005535	0.003572	0.00302	0.005535	0.00111
593920.79	4129128.48	0.002584	0.001669	0.00141	0.002584	0.00052
593955.22	4129128.48	0.002768	0.001787	0.001511	0.002768	0.00055
593989.65	4129128.48	0.002967	0.001916	0.001619	0.002967	0.00059
594024.08	4129128.48	0.003181	0.002054	0.001736	0.003181	0.00064
594058.51	4129128.48	0.00341	0.002201	0.001861	0.00341	0.00068
594092.94	4129128.48	0.003653	0.002359	0.001994	0.003653	0.00073
594127.37	4129128.48	0.003911	0.002525	0.002134	0.003911	0.00078
594161.8	4129128.48	0.004179	0.002698	0.00228	0.004179	0.00084
594196.23	4129128.48	0.004456	0.002876	0.002431	0.004456	0.00089
594230.66	4129128.48	0.004735	0.003056	0.002583	0.004735	0.00095
594265.09	4129128.48	0.005009	0.003233	0.002733	0.005009	0.00100
594299.52	4129128.48	0.00527	0.003402	0.002875	0.00527	0.00105
594246.14	4128630.32	0.002924	0.001891	0.001598	0.002924	0.00058
594272.5	4128630.32	0.003223	0.002084	0.001761	0.003223	0.00064
594298.86	4128630.32	0.003573	0.00231	0.001952	0.003573	0.00071
594325.22	4128630.32	0.003987	0.002577	0.002178	0.003987	0.00080
594351.58	4128630.32	0.004482	0.002897	0.002449	0.004482	0.00090

594377.94	4128630.32	0.00508	0.003283	0.002775	0.00508	0.00102
594404.3	4128630.32	0.005815	0.003758	0.003176	0.005815	0.00116
594430.66	4128630.32	0.00673	0.004349	0.003676	0.00673	0.00135
594246.14	4128664.43	0.003366	0.002175	0.001839	0.003366	0.00067
594272.5	4128664.43	0.003736	0.002414	0.002041	0.003736	0.00075
594298.86	4128664.43	0.004173	0.002697	0.002279	0.004173	0.00083
594325.22	4128664.43	0.004694	0.003033	0.002564	0.004694	0.00094
594351.58	4128664.43	0.005322	0.003438	0.002906	0.005322	0.00106
594377.94	4128664.43	0.006087	0.003933	0.003324	0.006087	0.00122
594404.3	4128664.43	0.007033	0.004543	0.00384	0.007033	0.00141
594430.66	4128664.43	0.008234	0.005318	0.004495	0.008234	0.00165
594246.14	4128698.54	0.00385	0.002488	0.002103	0.00385	0.00077
594272.5	4128698.54	0.004294	0.002775	0.002345	0.004294	0.00086
594298.86	4128698.54	0.004821	0.003114	0.002632	0.004821	0.00096
594325.22	4128698.54	0.005454	0.003523	0.002978	0.005454	0.00109
594351.58	4128698.54	0.006228	0.004023	0.0034	0.006228	0.00125
594377.94	4128698.54	0.007166	0.004628	0.003912	0.007166	0.00143
594404.3	4128698.54	0.008325	0.005376	0.004544	0.008325	0.00167
594430.66	4128698.54	0.009794	0.006324	0.005345	0.009794	0.00196
594246.14	4128732.65	0.004345	0.002807	0.002372	0.004345	0.00087
594272.5	4128732.65	0.004867	0.003143	0.002657	0.004867	0.00097
594298.86	4128732.65	0.005482	0.003541	0.002993	0.005482	0.00110
594325.22	4128732.65	0.006222	0.004018	0.003396	0.006222	0.00124
594351.58	4128732.65	0.007119	0.004597	0.003886	0.007119	0.00142
594377.94	4128732.65	0.008219	0.005307	0.004485	0.008219	0.00164
594404.3	4128732.65	0.009563	0.006174	0.005219	0.009563	0.00191
594430.66	4128732.65	0.011247	0.007261	0.006137	0.011247	0.00225
594246.14	4128766.76	0.004839	0.003125	0.002642	0.004839	0.00097
594272.5	4128766.76	0.005427	0.003505	0.002962	0.005427	0.00109
594298.86	4128766.76	0.006123	0.003954	0.003342	0.006123	0.00122
594325.22	4128766.76	0.006952	0.004489	0.003794	0.006952	0.00139
594351.58	4128766.76	0.007953	0.005135	0.00434	0.007953	0.00159
594377.94	4128766.76	0.00916	0.005914	0.004998	0.00916	0.00183
594404.3	4128766.76	0.010634	0.006864	0.005802	0.010634	0.00213
594430.66	4128766.76	0.012453	0.008038	0.006794	0.012453	0.00249
594246.14	4128800.87	0.005293	0.003418	0.002889	0.005293	0.00106
594272.5	4128800.87	0.005932	0.00383	0.003237	0.005932	0.00119
594298.86	4128800.87	0.006685	0.004316	0.003648	0.006685	0.00134
594325.22	4128800.87	0.007574	0.00489	0.004133	0.007574	0.00151

594351.58	4128800.87	0.008632	0.005572	0.00471	0.008632	0.00173
594377.94	4128800.87	0.0099	0.00639	0.005401	0.0099	0.00198
594404.3	4128800.87	0.011431	0.007378	0.006236	0.011431	0.00229
594430.66	4128800.87	0.013296	0.008581	0.007253	0.013296	0.00266
594246.14	4128834.98	0.005688	0.003672	0.003104	0.005688	0.00114
594272.5	4128834.98	0.006355	0.004103	0.003468	0.006355	0.00127
594298.86	4128834.98	0.007132	0.004604	0.003892	0.007132	0.00143
594325.22	4128834.98	0.008042	0.005191	0.004388	0.008042	0.00161
594351.58	4128834.98	0.009112	0.005881	0.004971	0.009112	0.00182
594377.94	4128834.98	0.010376	0.006697	0.00566	0.010376	0.00208
594404.3	4128834.98	0.011877	0.007665	0.006479	0.011877	0.00238
594430.66	4128834.98	0.01367	0.008822	0.007456	0.01367	0.00273
594246.14	4128869.09	0.005987	0.003865	0.003267	0.005987	0.00120
594272.5	4128869.09	0.006657	0.004297	0.003632	0.006657	0.00133
594298.86	4128869.09	0.007428	0.004795	0.004052	0.007428	0.00149
594325.22	4128869.09	0.008317	0.005368	0.004537	0.008317	0.00166
594351.58	4128869.09	0.009345	0.006031	0.005098	0.009345	0.00187
594377.94	4128869.09	0.010537	0.0068	0.005748	0.010537	0.00211
594404.3	4128869.09	0.01192	0.007692	0.006502	0.01192	0.00238
594430.66	4128869.09	0.013528	0.00873	0.007379	0.013528	0.00271
594246.14	4128903.2	0.006169	0.003982	0.003366	0.006169	0.00123
594272.5	4128903.2	0.006815	0.004399	0.003718	0.006815	0.00136
594298.86	4128903.2	0.007546	0.004871	0.004117	0.007546	0.00151
594325.22	4128903.2	0.008375	0.005406	0.004569	0.008375	0.00168
594351.58	4128903.2	0.009314	0.006011	0.005081	0.009314	0.00186
594377.94	4128903.2	0.010375	0.006696	0.00566	0.010375	0.00208
594404.3	4128903.2	0.011573	0.007468	0.006312	0.011573	0.00231
594430.66	4128903.2	0.012917	0.008335	0.007045	0.012917	0.00258
594246.14	4128937.31	0.006224	0.004017	0.003396	0.006224	0.00124
594272.5	4128937.31	0.006821	0.004403	0.003721	0.006821	0.00136
594298.86	4128937.31	0.007486	0.004832	0.004084	0.007486	0.00150
594325.22	4128937.31	0.008224	0.005308	0.004487	0.008224	0.00164
594351.58	4128937.31	0.009039	0.005834	0.004931	0.009039	0.00181
594377.94	4128937.31	0.009935	0.006412	0.005419	0.009935	0.00199
594404.3	4128937.31	0.010912	0.007042	0.005952	0.010912	0.00218
594430.66	4128937.31	0.011966	0.007722	0.006527	0.011966	0.00239
594242.73	4128487.55	0.001589	0.001031	0.000871	0.001589	0.00032
594265.81	4128487.55	0.001676	0.001087	0.000919	0.001676	0.00034
594288.89	4128487.55	0.001769	0.001147	0.00097	0.001769	0.00035

594311.97	4128487.55	0.001872	0.001214	0.001026	0.001872	0.00037
594335.05	4128487.55	0.001984	0.001286	0.001087	0.001984	0.00040
594358.13	4128487.55	0.002107	0.001366	0.001155	0.002107	0.00042
594381.21	4128487.55	0.002238	0.001451	0.001227	0.002238	0.00045
594404.29	4128487.55	0.002382	0.001545	0.001306	0.002382	0.00048
594427.37	4128487.55	0.00254	0.001647	0.001392	0.00254	0.00051
594450.45	4128487.55	0.002712	0.001759	0.001487	0.002712	0.00054
594473.53	4128487.55	0.00291	0.001887	0.001595	0.00291	0.00058
594242.73	4128510.84	0.001748	0.001133	0.000958	0.001748	0.00035
594265.81	4128510.84	0.001853	0.001201	0.001015	0.001853	0.00037
594288.89	4128510.84	0.001968	0.001275	0.001078	0.001968	0.00039
594311.97	4128510.84	0.002095	0.001357	0.001147	0.002095	0.00042
594335.05	4128510.84	0.002235	0.001448	0.001224	0.002235	0.00045
594358.13	4128510.84	0.002391	0.001549	0.001309	0.002391	0.00048
594381.21	4128510.84	0.002562	0.00166	0.001403	0.002562	0.00051
594404.29	4128510.84	0.002752	0.001783	0.001507	0.002752	0.00055
594427.37	4128510.84	0.002965	0.001921	0.001624	0.002965	0.00059
594450.45	4128510.84	0.003207	0.002078	0.001757	0.003207	0.00064
594473.53	4128510.84	0.003486	0.002259	0.001909	0.003486	0.00070
594242.73	4128534.13	0.001925	0.001247	0.001054	0.001925	0.00038
594265.81	4128534.13	0.002052	0.001329	0.001123	0.002052	0.00041
594288.89	4128534.13	0.002192	0.00142	0.0012	0.002192	0.00044
594311.97	4128534.13	0.002349	0.001521	0.001286	0.002349	0.00047
594335.05	4128534.13	0.002523	0.001634	0.001381	0.002523	0.00050
594358.13	4128534.13	0.002718	0.00176	0.001488	0.002718	0.00054
594381.21	4128534.13	0.002938	0.001902	0.001608	0.002938	0.00059
594404.29	4128534.13	0.003187	0.002063	0.001744	0.003187	0.00064
594427.37	4128534.13	0.003475	0.00225	0.001902	0.003475	0.00069
594450.45	4128534.13	0.003811	0.002467	0.002086	0.003811	0.00076
594473.53	4128534.13	0.004197	0.002717	0.002297	0.004197	0.00084
594242.73	4128557.42	0.002121	0.001373	0.001161	0.002121	0.00042
594265.81	4128557.42	0.002273	0.001472	0.001244	0.002273	0.00045
594288.89	4128557.42	0.002443	0.001581	0.001337	0.002443	0.00049
594311.97	4128557.42	0.002633	0.001704	0.001441	0.002633	0.00053
594335.05	4128557.42	0.002848	0.001843	0.001558	0.002848	0.00057
594358.13	4128557.42	0.003093	0.002001	0.001692	0.003093	0.00062
594381.21	4128557.42	0.003372	0.002182	0.001844	0.003372	0.00067
594404.29	4128557.42	0.003695	0.002391	0.002021	0.003695	0.00074
594427.37	4128557.42	0.004074	0.002636	0.002228	0.004074	0.00081

594450.45	4128557.42	0.004528	0.00293	0.002476	0.004528	0.00091
594473.53	4128557.42	0.005062	0.003275	0.002768	0.005062	0.00101
594242.73	4128580.71	0.00234	0.001514	0.00128	0.00234	0.00047
594265.81	4128580.71	0.00252	0.001631	0.001378	0.00252	0.00050
594288.89	4128580.71	0.002723	0.001762	0.001489	0.002723	0.00054
594311.97	4128580.71	0.002954	0.001911	0.001615	0.002954	0.00059
594335.05	4128580.71	0.003217	0.002081	0.001759	0.003217	0.00064
594358.13	4128580.71	0.00352	0.002277	0.001924	0.00352	0.00070
594381.21	4128580.71	0.003871	0.002504	0.002116	0.003871	0.00077
594404.29	4128580.71	0.004286	0.002772	0.002343	0.004286	0.00086
594427.37	4128580.71	0.004779	0.00309	0.002612	0.004779	0.00096
594450.45	4128580.71	0.005372	0.003474	0.002936	0.005372	0.00107
594473.53	4128580.71	0.006106	0.003948	0.003337	0.006106	0.00122
594276.7	4128388.72	0.001125	0.000733	0.00062	0.001125	0.00023
594305.04	4128388.72	0.001171	0.000763	0.000645	0.001171	0.00023
594333.38	4128388.72	0.001218	0.000793	0.000671	0.001218	0.00024
594361.72	4128388.72	0.001266	0.000825	0.000697	0.001266	0.00025
594390.06	4128388.72	0.001315	0.000857	0.000724	0.001315	0.00026
594418.4	4128388.72	0.001363	0.000889	0.000751	0.001363	0.00027
594276.7	4128417	0.00127	0.000826	0.000698	0.00127	0.00025
594305.04	4128417	0.00133	0.000865	0.000731	0.00133	0.00027
594333.38	4128417	0.001394	0.000907	0.000767	0.001394	0.00028
594361.72	4128417	0.001462	0.000951	0.000804	0.001462	0.00029
594390.06	4128417	0.001532	0.000997	0.000843	0.001532	0.00031
594418.4	4128417	0.001605	0.001044	0.000883	0.001605	0.00032
594276.7	4128445.28	0.001431	0.00093	0.000786	0.001431	0.00029
594305.04	4128445.28	0.001513	0.000983	0.000831	0.001513	0.00030
594333.38	4128445.28	0.0016	0.001039	0.000879	0.0016	0.00032
594361.72	4128445.28	0.001695	0.001101	0.00093	0.001695	0.00034
594390.06	4128445.28	0.001795	0.001166	0.000986	0.001795	0.00036
594418.4	4128445.28	0.001902	0.001235	0.001044	0.001902	0.00038
594276.7	4128473.56	0.001617	0.001049	0.000887	0.001617	0.00032
594305.04	4128473.56	0.001723	0.001118	0.000945	0.001723	0.00034
594333.38	4128473.56	0.001841	0.001194	0.00101	0.001841	0.00037
594361.72	4128473.56	0.001971	0.001279	0.001081	0.001971	0.00039
594390.06	4128473.56	0.002112	0.00137	0.001158	0.002112	0.00042
594418.4	4128473.56	0.002266	0.00147	0.001243	0.002266	0.00045
594019.56	4128351.99	0.000707	0.000461	0.00039	0.000707	0.00014
594057.87	4128351.99	0.000742	0.000484	0.000409	0.000742	0.00015

594096.18	4128351.99	0.000778	0.000508	0.000429	0.000778	0.00016
594134.49	4128351.99	0.000815	0.000532	0.00045	0.000815	0.00016
594172.8	4128351.99	0.000853	0.000557	0.000471	0.000853	0.00017
594211.11	4128351.99	0.000892	0.000583	0.000493	0.000892	0.00018
594019.56	4128372.85	0.000744	0.000485	0.00041	0.000744	0.00015
594057.87	4128372.85	0.000785	0.000512	0.000432	0.000785	0.00016
594096.18	4128372.85	0.000827	0.000539	0.000456	0.000827	0.00017
594134.49	4128372.85	0.000871	0.000568	0.00048	0.000871	0.00017
594172.8	4128372.85	0.000917	0.000598	0.000505	0.000917	0.00018
594211.11	4128372.85	0.000964	0.000629	0.000532	0.000964	0.00019
594019.56	4128393.71	0.000784	0.00051	0.000431	0.000784	0.00016
594057.87	4128393.71	0.00083	0.00054	0.000457	0.00083	0.00017
594096.18	4128393.71	0.000879	0.000572	0.000484	0.000879	0.00018
594134.49	4128393.71	0.00093	0.000606	0.000512	0.00093	0.00019
594172.8	4128393.71	0.000984	0.000641	0.000542	0.000984	0.00020
594211.11	4128393.71	0.001042	0.000679	0.000574	0.001042	0.00021
594019.56	4128414.57	0.000825	0.000537	0.000454	0.000825	0.00017
594057.87	4128414.57	0.000877	0.000571	0.000482	0.000877	0.00018
594096.18	4128414.57	0.000933	0.000607	0.000513	0.000933	0.00019
594134.49	4128414.57	0.000993	0.000646	0.000546	0.000993	0.00020
594172.8	4128414.57	0.001057	0.000688	0.000581	0.001057	0.00021
594211.11	4128414.57	0.001127	0.000733	0.000619	0.001127	0.00023
594019.56	4128435.43	0.00087	0.000566	0.000478	0.00087	0.00017
594057.87	4128435.43	0.000928	0.000603	0.00051	0.000928	0.00019
594096.18	4128435.43	0.000991	0.000644	0.000545	0.000991	0.00020
594134.49	4128435.43	0.001061	0.000689	0.000583	0.001061	0.00021
594172.8	4128435.43	0.001135	0.000738	0.000624	0.001135	0.00023
594211.11	4128435.43	0.001218	0.000791	0.000669	0.001218	0.00024
594019.56	4128456.29	0.000918	0.000596	0.000504	0.000918	0.00018
594057.87	4128456.29	0.000983	0.000639	0.00054	0.000983	0.00020
594096.18	4128456.29	0.001054	0.000685	0.000579	0.001054	0.00021
594134.49	4128456.29	0.001133	0.000736	0.000622	0.001133	0.00023
594172.8	4128456.29	0.00122	0.000792	0.00067	0.00122	0.00024
594211.11	4128456.29	0.001316	0.000855	0.000722	0.001316	0.00026
594019.56	4128477.15	0.00097	0.00063	0.000533	0.00097	0.00019
594057.87	4128477.15	0.001043	0.000677	0.000572	0.001043	0.00021
594096.18	4128477.15	0.001123	0.000729	0.000616	0.001123	0.00022
594134.49	4128477.15	0.001212	0.000786	0.000665	0.001212	0.00024
594172.8	4128477.15	0.001312	0.000851	0.00072	0.001312	0.00026



594211.11	4128477.15	0.001424	0.000924	0.000781	0.001424	0.00028
594019.56	4128498.01	0.001027	0.000667	0.000563	0.001027	0.00021
594057.87	4128498.01	0.001108	0.000719	0.000608	0.001108	0.00022
594096.18	4128498.01	0.001197	0.000777	0.000656	0.001197	0.00024
594134.49	4128498.01	0.001297	0.000842	0.000711	0.001297	0.00026
594172.8	4128498.01	0.001413	0.000916	0.000774	0.001413	0.00028
594211.11	4128498.01	0.001541	0.000999	0.000844	0.001541	0.00031
593932.1	4128545.28	0.000988	0.000641	0.000542	0.000988	0.00020
593958.16	4128545.28	0.001039	0.000674	0.000569	0.001039	0.00021
593984.22	4128545.28	0.001094	0.000709	0.000599	0.001094	0.00022
594010.28	4128545.28	0.001153	0.000747	0.000632	0.001153	0.00023
594036.34	4128545.28	0.001217	0.000789	0.000667	0.001217	0.00024
594062.4	4128545.28	0.001288	0.000835	0.000705	0.001288	0.00026
594088.46	4128545.28	0.001366	0.000885	0.000748	0.001366	0.00027
594114.52	4128545.28	0.001451	0.00094	0.000795	0.001451	0.00029
594140.58	4128545.28	0.001545	0.001001	0.000846	0.001545	0.00031
594166.64	4128545.28	0.001648	0.001067	0.000902	0.001648	0.00033
594192.7	4128545.28	0.00176	0.00114	0.000964	0.00176	0.00035
593932.1	4128616.57	0.001187	0.000769	0.00065	0.001187	0.00024
593958.16	4128616.57	0.001257	0.000814	0.000688	0.001257	0.00025
593984.22	4128616.57	0.001333	0.000863	0.000729	0.001333	0.00027
594010.28	4128616.57	0.001415	0.000916	0.000774	0.001415	0.00028
594036.34	4128616.57	0.001506	0.000975	0.000824	0.001506	0.00030
594062.4	4128616.57	0.001607	0.00104	0.000879	0.001607	0.00032
594088.46	4128616.57	0.001718	0.001112	0.00094	0.001718	0.00034
594114.52	4128616.57	0.001843	0.001193	0.001008	0.001843	0.00037
594140.58	4128616.57	0.001983	0.001283	0.001084	0.001983	0.00040
594166.64	4128616.57	0.002136	0.001382	0.001168	0.002136	0.00043
594192.7	4128616.57	0.002314	0.001497	0.001265	0.002314	0.00046
593932.1	4128687.86	0.001417	0.000917	0.000775	0.001417	0.00028
593958.16	4128687.86	0.00151	0.000977	0.000826	0.00151	0.00030
593984.22	4128687.86	0.001612	0.001043	0.000881	0.001612	0.00032
594010.28	4128687.86	0.001726	0.001116	0.000943	0.001726	0.00035
594036.34	4128687.86	0.001852	0.001198	0.001012	0.001852	0.00037
594062.4	4128687.86	0.001992	0.001288	0.001089	0.001992	0.00040
594088.46	4128687.86	0.00215	0.00139	0.001175	0.00215	0.00043
594114.52	4128687.86	0.002327	0.001505	0.001272	0.002327	0.00047
594140.58	4128687.86	0.002526	0.001633	0.00138	0.002526	0.00051
594166.64	4128687.86	0.002756	0.001781	0.001506	0.002756	0.00055

594192.7	4128687.86	0.003019	0.001951	0.001649	0.003019	0.00060
593920.36	4128705.8	0.001438	0.00093	0.000786	0.001438	0.00029
593960.05	4128705.8	0.001587	0.001026	0.000867	0.001587	0.00032
593999.74	4128705.8	0.001761	0.001139	0.000962	0.001761	0.00035
594039.43	4128705.8	0.001963	0.00127	0.001073	0.001963	0.00039
594079.12	4128705.8	0.002204	0.001425	0.001205	0.002204	0.00044
594118.81	4128705.8	0.002494	0.001612	0.001363	0.002494	0.00050
594158.5	4128705.8	0.002847	0.00184	0.001555	0.002847	0.00057
594198.19	4128705.8	0.003282	0.002121	0.001793	0.003282	0.00066
593920.36	4128732.44	0.001531	0.00099	0.000837	0.001531	0.00031
593960.05	4128732.44	0.001695	0.001096	0.000926	0.001695	0.00034
593999.74	4128732.44	0.001887	0.00122	0.001031	0.001887	0.00038
594039.43	4128732.44	0.002111	0.001365	0.001154	0.002111	0.00042
594079.12	4128732.44	0.002379	0.001538	0.0013	0.002379	0.00048
594118.81	4128732.44	0.002705	0.001748	0.001478	0.002705	0.00054
594158.5	4128732.44	0.003097	0.002001	0.001691	0.003097	0.00062
594198.19	4128732.44	0.003584	0.002316	0.001957	0.003584	0.00072
593920.36	4128759.08	0.00163	0.001054	0.000891	0.00163	0.00033
593960.05	4128759.08	0.001809	0.00117	0.000989	0.001809	0.00036
593999.74	4128759.08	0.002018	0.001304	0.001103	0.002018	0.00040
594039.43	4128759.08	0.002267	0.001465	0.001238	0.002267	0.00045
594079.12	4128759.08	0.002562	0.001656	0.001399	0.002562	0.00051
594118.81	4128759.08	0.00292	0.001887	0.001595	0.00292	0.00058
594158.5	4128759.08	0.003354	0.002167	0.001832	0.003354	0.00067
594198.19	4128759.08	0.003893	0.002515	0.002125	0.003893	0.00078
593920.36	4128785.72	0.001732	0.00112	0.000946	0.001732	0.00035
593960.05	4128785.72	0.001927	0.001245	0.001053	0.001927	0.00039
593999.74	4128785.72	0.002155	0.001393	0.001177	0.002155	0.00043
594039.43	4128785.72	0.002426	0.001568	0.001325	0.002426	0.00049
594079.12	4128785.72	0.002748	0.001776	0.001501	0.002748	0.00055
594118.81	4128785.72	0.003137	0.002027	0.001713	0.003137	0.00063
594158.5	4128785.72	0.003611	0.002333	0.001972	0.003611	0.00072
594198.19	4128785.72	0.004193	0.002708	0.002289	0.004193	0.00084
593920.36	4128812.36	0.00184	0.001189	0.001005	0.00184	0.00037
593960.05	4128812.36	0.00205	0.001325	0.00112	0.00205	0.00041
593999.74	4128812.36	0.002295	0.001483	0.001253	0.002295	0.00046
594039.43	4128812.36	0.002585	0.00167	0.001412	0.002585	0.00052
594079.12	4128812.36	0.002931	0.001894	0.001601	0.002931	0.00059
594118.81	4128812.36	0.003349	0.002163	0.001828	0.003349	0.00067

594158.5	4128812.36	0.003856	0.00249	0.002105	0.003856	0.00077
594198.19	4128812.36	0.004479	0.002892	0.002445	0.004479	0.00090
593920.36	4128839	0.001949	0.00126	0.001065	0.001949	0.00039
593960.05	4128839	0.002172	0.001404	0.001186	0.002172	0.00043
593999.74	4128839	0.002433	0.001572	0.001329	0.002433	0.00049
594039.43	4128839	0.002742	0.001771	0.001497	0.002742	0.00055
594079.12	4128839	0.003109	0.002008	0.001697	0.003109	0.00062
594118.81	4128839	0.00355	0.002293	0.001938	0.00355	0.00071
594158.5	4128839	0.004084	0.002637	0.002229	0.004084	0.00082
594198.19	4128839	0.004735	0.003058	0.002584	0.004735	0.00095
593920.36	4128865.64	0.002057	0.001329	0.001123	0.002057	0.00041
593960.05	4128865.64	0.002292	0.001481	0.001252	0.002292	0.00046
593999.74	4128865.64	0.002567	0.001658	0.001402	0.002567	0.00051
594039.43	4128865.64	0.002891	0.001867	0.001578	0.002891	0.00058
594079.12	4128865.64	0.003275	0.002115	0.001788	0.003275	0.00066
594118.81	4128865.64	0.003734	0.002412	0.002038	0.003734	0.00075
594158.5	4128865.64	0.004286	0.002768	0.002339	0.004286	0.00086
594198.19	4128865.64	0.004954	0.003199	0.002704	0.004954	0.00099
593920.36	4128892.28	0.002161	0.001396	0.00118	0.002161	0.00043
593960.05	4128892.28	0.002406	0.001554	0.001314	0.002406	0.00048
593999.74	4128892.28	0.002693	0.001739	0.00147	0.002693	0.00054
594039.43	4128892.28	0.003029	0.001956	0.001653	0.003029	0.00061
594079.12	4128892.28	0.003425	0.002212	0.001869	0.003425	0.00068
594118.81	4128892.28	0.003894	0.002515	0.002126	0.003894	0.00078
594158.5	4128892.28	0.004454	0.002876	0.002431	0.004454	0.00089
594198.19	4128892.28	0.005126	0.003309	0.002797	0.005126	0.00103
593920.36	4128918.92	0.002259	0.001459	0.001233	0.002259	0.00045
593960.05	4128918.92	0.002512	0.001622	0.001371	0.002512	0.00050
593999.74	4128918.92	0.002806	0.001812	0.001532	0.002806	0.00056
594039.43	4128918.92	0.003149	0.002034	0.001719	0.003149	0.00063
594079.12	4128918.92	0.003551	0.002293	0.001938	0.003551	0.00071
594118.81	4128918.92	0.004023	0.002597	0.002195	0.004023	0.00080
594158.5	4128918.92	0.00458	0.002957	0.0025	0.00458	0.00092
594198.19	4128918.92	0.005241	0.003384	0.00286	0.005241	0.00105
593920.36	4128945.56	0.002348	0.001516	0.001282	0.002348	0.00047
593960.05	4128945.56	0.002606	0.001683	0.001422	0.002606	0.00052
593999.74	4128945.56	0.002904	0.001875	0.001585	0.002904	0.00058
594039.43	4128945.56	0.003249	0.002098	0.001773	0.003249	0.00065
594079.12	4128945.56	0.00365	0.002357	0.001992	0.00365	0.00073

594118.81	4128945.56	0.004117	0.002658	0.002247	0.004117	0.00082
594158.5	4128945.56	0.004662	0.00301	0.002544	0.004662	0.00093
594198.19	4128945.56	0.0053	0.003422	0.002892	0.0053	0.00106
595128.75	4128512.05	0.02347	0.015146	0.012802	0.02347	0.00469
595157.74	4128512.05	0.020639	0.01332	0.011259	0.020639	0.00413
595128.75	4128529.32	0.023943	0.015452	0.01306	0.023943	0.00479
595157.74	4128529.32	0.020868	0.013468	0.011383	0.020868	0.00417
595128.75	4128546.59	0.024099	0.015553	0.013146	0.024099	0.00482
595157.74	4128546.59	0.020848	0.013455	0.011373	0.020848	0.00417
595362.46	4128329.27	0.008305	0.005361	0.004531	0.008305	0.00166
595397.07	4128329.27	0.007662	0.004946	0.004181	0.007662	0.00153
595431.68	4128329.27	0.007056	0.004555	0.00385	0.007056	0.00141
595466.29	4128329.27	0.006489	0.004189	0.003541	0.006489	0.00130
595362.46	4128386.58	0.008941	0.005772	0.004879	0.008941	0.00179
595397.07	4128386.58	0.008097	0.005227	0.004418	0.008097	0.00162
595431.68	4128386.58	0.007327	0.004731	0.003998	0.007327	0.00147
595466.29	4128386.58	0.00663	0.00428	0.003618	0.00663	0.00133
595362.46	4128443.89	0.009133	0.005896	0.004983	0.009133	0.00183
595397.07	4128443.89	0.008115	0.005239	0.004428	0.008115	0.00162
595431.68	4128443.89	0.007217	0.00466	0.003939	0.007217	0.00144
595466.29	4128443.89	0.006429	0.004151	0.003509	0.006429	0.00129
595362.46	4128501.2	0.00873	0.005637	0.004764	0.00873	0.00175
595397.07	4128501.2	0.007625	0.004924	0.004162	0.007625	0.00153
595431.68	4128501.2	0.006683	0.004316	0.003648	0.006683	0.00134
595466.29	4128501.2	0.005878	0.003796	0.003209	0.005878	0.00118
594785.72	4129528.1	0.001233	0.000799	0.000675	0.001233	0.00025
594896.78	4129528.1	0.000966	0.000627	0.00053	0.000966	0.00019
595007.84	4129528.1	0.000679	0.000443	0.000374	0.000679	0.00014
595118.9	4129528.1	0.000593	0.000388	0.000328	0.000593	0.00012
595229.96	4129528.1	0.000572	0.000376	0.000318	0.000572	0.00011
594785.72	4129568.18	0.001134	0.000734	0.000621	0.001134	0.00023
594896.78	4129568.18	0.000901	0.000585	0.000494	0.000901	0.00018
595007.84	4129568.18	0.000633	0.000412	0.000349	0.000633	0.00013
595118.9	4129568.18	0.000545	0.000357	0.000302	0.000545	0.00011
595229.96	4129568.18	0.000529	0.000348	0.000294	0.000529	0.00011
594785.72	4129608.26	0.001046	0.000678	0.000573	0.001046	0.00021
594896.78	4129608.26	0.000843	0.000547	0.000463	0.000843	0.00017
595007.84	4129608.26	0.000592	0.000386	0.000326	0.000592	0.00012
595118.9	4129608.26	0.000502	0.000329	0.000278	0.000502	0.00010

595229.96	4129608.26	0.000489	0.000321	0.000271	0.000489	0.00010
594785.72	4129648.34	0.000969	0.000628	0.000531	0.000969	0.00019
594896.78	4129648.34	0.000791	0.000514	0.000434	0.000791	0.00016
595007.84	4129648.34	0.000557	0.000363	0.000307	0.000557	0.00011
595118.9	4129648.34	0.000465	0.000304	0.000257	0.000465	0.00009
595229.96	4129648.34	0.000453	0.000297	0.000251	0.000453	0.00009
594785.72	4129688.42	0.000901	0.000584	0.000493	0.000901	0.00018
594896.78	4129688.42	0.000745	0.000484	0.000409	0.000745	0.00015
595007.84	4129688.42	0.000525	0.000342	0.000289	0.000525	0.00011
595118.9	4129688.42	0.000432	0.000283	0.000239	0.000432	0.00009
595229.96	4129688.42	0.000421	0.000276	0.000233	0.000421	0.00008
594785.72	4129728.5	0.00084	0.000544	0.00046	0.00084	0.00017
594896.78	4129728.5	0.000703	0.000456	0.000386	0.000703	0.00014
595007.84	4129728.5	0.000498	0.000324	0.000274	0.000498	0.00010
595118.9	4129728.5	0.000403	0.000264	0.000223	0.000403	0.00008
595229.96	4129728.5	0.000391	0.000256	0.000216	0.000391	0.00008
594785.72	4129768.58	0.000785	0.000509	0.00043	0.000785	0.00016
594896.78	4129768.58	0.000665	0.000431	0.000365	0.000665	0.00013
595007.84	4129768.58	0.000473	0.000308	0.00026	0.000473	0.00009
595118.9	4129768.58	0.000378	0.000247	0.000209	0.000378	0.00008
595229.96	4129768.58	0.000364	0.000238	0.000201	0.000364	0.00007
594785.72	4129808.66	0.000737	0.000477	0.000403	0.000737	0.00015
594896.78	4129808.66	0.00063	0.000409	0.000346	0.00063	0.00013
595007.84	4129808.66	0.000451	0.000294	0.000248	0.000451	0.00009
595118.9	4129808.66	0.000355	0.000232	0.000196	0.000355	0.00007
595229.96	4129808.66	0.00034	0.000222	0.000188	0.00034	0.00007
593938.13	4129525.18	0.001722	0.001112	0.00094	0.001722	0.00034
594005.94	4129525.18	0.001769	0.001143	0.000966	0.001769	0.00035
594073.75	4129525.18	0.001792	0.001158	0.000979	0.001792	0.00036
594141.56	4129525.18	0.001791	0.001157	0.000978	0.001791	0.00036
594209.37	4129525.18	0.001767	0.001142	0.000965	0.001767	0.00035
594277.18	4129525.18	0.001731	0.001118	0.000945	0.001731	0.00035
594344.99	4129525.18	0.001689	0.001092	0.000923	0.001689	0.00034
594412.8	4129525.18	0.00164	0.00106	0.000896	0.00164	0.00033
594480.61	4129525.18	0.001566	0.001013	0.000856	0.001566	0.00031
594548.42	4129525.18	0.001463	0.000946	0.0008	0.001463	0.00029
594616.23	4129525.18	0.001355	0.000877	0.000741	0.001355	0.00027
593938.13	4129583.05	0.001565	0.001011	0.000854	0.001565	0.00031
594005.94	4129583.05	0.001588	0.001026	0.000867	0.001588	0.00032

594073.75	4129583.05	0.00159	0.001027	0.000868	0.00159	0.00032
594141.56	4129583.05	0.001574	0.001017	0.000859	0.001574	0.00031
594209.37	4129583.05	0.001545	0.000998	0.000844	0.001545	0.00031
594277.18	4129583.05	0.001511	0.000976	0.000825	0.001511	0.00030
594344.99	4129583.05	0.001475	0.000953	0.000806	0.001475	0.00030
594412.8	4129583.05	0.001431	0.000925	0.000782	0.001431	0.00029
594480.61	4129583.05	0.001363	0.000881	0.000745	0.001363	0.00027
594548.42	4129583.05	0.00127	0.000822	0.000694	0.00127	0.00025
594616.23	4129583.05	0.00118	0.000764	0.000646	0.00118	0.00024
593938.13	4129640.92	0.001418	0.000916	0.000774	0.001418	0.00028
594005.94	4129640.92	0.001423	0.000919	0.000777	0.001423	0.00028
594073.75	4129640.92	0.001412	0.000913	0.000771	0.001412	0.00028
594141.56	4129640.92	0.001389	0.000898	0.000759	0.001389	0.00028
594209.37	4129640.92	0.001361	0.000879	0.000743	0.001361	0.00027
594277.18	4129640.92	0.001331	0.00086	0.000727	0.001331	0.00027
594344.99	4129640.92	0.001301	0.000841	0.000711	0.001301	0.00026
594412.8	4129640.92	0.00126	0.000815	0.000689	0.00126	0.00025
594480.61	4129640.92	0.001196	0.000774	0.000654	0.001196	0.00024
594548.42	4129640.92	0.001113	0.00072	0.000609	0.001113	0.00022
594616.23	4129640.92	0.001037	0.000672	0.000568	0.001037	0.00021
593938.13	4129698.79	0.001283	0.000829	0.000701	0.001283	0.00026
594005.94	4129698.79	0.001276	0.000825	0.000697	0.001276	0.00026
594073.75	4129698.79	0.001258	0.000813	0.000687	0.001258	0.00025
594141.56	4129698.79	0.001234	0.000797	0.000674	0.001234	0.00025
594209.37	4129698.79	0.001208	0.000781	0.00066	0.001208	0.00024
594277.18	4129698.79	0.001184	0.000765	0.000647	0.001184	0.00024
594344.99	4129698.79	0.001157	0.000748	0.000632	0.001157	0.00023
594412.8	4129698.79	0.001118	0.000723	0.000611	0.001118	0.00022
594480.61	4129698.79	0.001058	0.000684	0.000578	0.001058	0.00021
594548.42	4129698.79	0.000983	0.000636	0.000538	0.000983	0.00020
594616.23	4129698.79	0.00092	0.000595	0.000503	0.00092	0.00018
593938.13	4129756.66	0.00116	0.00075	0.000634	0.00116	0.00023
594005.94	4129756.66	0.001147	0.000741	0.000626	0.001147	0.00023
594073.75	4129756.66	0.001126	0.000727	0.000615	0.001126	0.00023
594141.56	4129756.66	0.001102	0.000712	0.000602	0.001102	0.00022
594209.37	4129756.66	0.001081	0.000699	0.000591	0.001081	0.00022
594277.18	4129756.66	0.001061	0.000686	0.00058	0.001061	0.00021
594344.99	4129756.66	0.001037	0.000671	0.000567	0.001037	0.00021
594412.8	4129756.66	0.000999	0.000646	0.000546	0.000999	0.00020

594480.61	4129756.66	0.000942	0.000609	0.000515	0.000942	0.00019
594548.42	4129756.66	0.000874	0.000566	0.000478	0.000874	0.00017
594616.23	4129756.66	0.000822	0.000532	0.00045	0.000822	0.00016
593938.13	4129814.53	0.00105	0.000679	0.000574	0.00105	0.00021
594005.94	4129814.53	0.001033	0.000668	0.000564	0.001033	0.00021
594073.75	4129814.53	0.001012	0.000654	0.000553	0.001012	0.00020
594141.56	4129814.53	0.000992	0.000641	0.000542	0.000992	0.00020
594209.37	4129814.53	0.000974	0.00063	0.000532	0.000974	0.00019
594277.18	4129814.53	0.000957	0.000619	0.000523	0.000957	0.00019
594344.99	4129814.53	0.000935	0.000604	0.000511	0.000935	0.00019
594412.8	4129814.53	0.000897	0.00058	0.00049	0.000897	0.00018
594480.61	4129814.53	0.000843	0.000545	0.000461	0.000843	0.00017
594548.42	4129814.53	0.000783	0.000507	0.000428	0.000783	0.00016
594616.23	4129814.53	0.000739	0.000479	0.000404	0.000739	0.00015
593667	4128083.42	0.000294	0.000191	0.000162	0.000294	0.00006
593722.02	4128083.42	0.0003	0.000195	0.000165	0.0003	0.00006
593777.04	4128083.42	0.000306	0.000199	0.000168	0.000306	0.00006
593832.06	4128083.42	0.000311	0.000203	0.000172	0.000311	0.00006
593667	4128157.74	0.00034	0.000221	0.000187	0.00034	0.00007
593722.02	4128157.74	0.000352	0.000229	0.000194	0.000352	0.00007
593777.04	4128157.74	0.000364	0.000237	0.000201	0.000364	0.00007
593832.06	4128157.74	0.000376	0.000246	0.000208	0.000376	0.00008
593667	4128232.06	0.000381	0.000248	0.00021	0.000381	0.00008
593722.02	4128232.06	0.000402	0.000262	0.000221	0.000402	0.00008
593777.04	4128232.06	0.000423	0.000276	0.000233	0.000423	0.00008
593832.06	4128232.06	0.000444	0.00029	0.000245	0.000444	0.00009
593667	4128306.38	0.000423	0.000275	0.000232	0.000423	0.00008
593722.02	4128306.38	0.00045	0.000293	0.000248	0.00045	0.00009
593777.04	4128306.38	0.00048	0.000313	0.000264	0.00048	0.00010
593832.06	4128306.38	0.000511	0.000334	0.000282	0.000511	0.00010
593667	4128380.7	0.000472	0.000307	0.000259	0.000472	0.00009
593722.02	4128380.7	0.000505	0.000329	0.000278	0.000505	0.00010
593777.04	4128380.7	0.000542	0.000353	0.000298	0.000542	0.00011
593832.06	4128380.7	0.000584	0.00038	0.000321	0.000584	0.00012
593667	4128455.02	0.000538	0.000349	0.000295	0.000538	0.00011
593722.02	4128455.02	0.000578	0.000376	0.000317	0.000578	0.00012
593777.04	4128455.02	0.000624	0.000405	0.000343	0.000624	0.00012
593832.06	4128455.02	0.000676	0.000439	0.000371	0.000676	0.00014
593667	4128529.34	0.000622	0.000403	0.000341	0.000622	0.00012

593722.02	4128529.34	0.000673	0.000436	0.000369	0.000673	0.00013
593777.04	4128529.34	0.000731	0.000474	0.000401	0.000731	0.00015
593832.06	4128529.34	0.000798	0.000518	0.000438	0.000798	0.00016
593667	4128603.66	0.000717	0.000464	0.000393	0.000717	0.00014
593722.02	4128603.66	0.000782	0.000507	0.000428	0.000782	0.00016
593777.04	4128603.66	0.000858	0.000556	0.00047	0.000858	0.00017
593832.06	4128603.66	0.000946	0.000613	0.000518	0.000946	0.00019
593667	4128677.98	0.000819	0.000531	0.000448	0.000819	0.00016
593722.02	4128677.98	0.000903	0.000584	0.000494	0.000903	0.00018
593777.04	4128677.98	0.000999	0.000647	0.000547	0.000999	0.00020
593832.06	4128677.98	0.001113	0.000721	0.000609	0.001113	0.00022
593667	4128752.3	0.000934	0.000604	0.000511	0.000934	0.00019
593722.02	4128752.3	0.001037	0.000671	0.000567	0.001037	0.00021
593777.04	4128752.3	0.001159	0.000749	0.000633	0.001159	0.00023
593832.06	4128752.3	0.001304	0.000843	0.000713	0.001304	0.00026
593667	4128826.62	0.001067	0.00069	0.000583	0.001067	0.00021
593722.02	4128826.62	0.001193	0.000771	0.000652	0.001193	0.00024
593777.04	4128826.62	0.001342	0.000868	0.000734	0.001342	0.00027
593832.06	4128826.62	0.001522	0.000984	0.000832	0.001522	0.00030
593667	4128900.94	0.001216	0.000786	0.000664	0.001216	0.00024
593722.02	4128900.94	0.001365	0.000882	0.000746	0.001365	0.00027
593777.04	4128900.94	0.001542	0.000997	0.000842	0.001542	0.00031
593832.06	4128900.94	0.001754	0.001134	0.000958	0.001754	0.00035
593667	4128975.26	0.001367	0.000883	0.000747	0.001367	0.00027
593722.02	4128975.26	0.001534	0.000991	0.000838	0.001534	0.00031
593777.04	4128975.26	0.00173	0.001118	0.000945	0.00173	0.00035
593832.06	4128975.26	0.001963	0.001268	0.001072	0.001963	0.00039
593667	4129049.58	0.001497	0.000967	0.000818	0.001497	0.00030
593722.02	4129049.58	0.001671	0.00108	0.000913	0.001671	0.00033
593777.04	4129049.58	0.001873	0.00121	0.001023	0.001873	0.00037
593832.06	4129049.58	0.002108	0.001362	0.001151	0.002108	0.00042
594352.86	4127540.64	7.53E-05	4.99E-05	4.22E-05	7.53E-05	0.00002
594416.15	4127540.64	8.08E-05	5.37E-05	4.54E-05	8.08E-05	0.00002
594479.44	4127540.64	9.23E-05	6.13E-05	5.19E-05	9.23E-05	0.00002
594542.73	4127540.64	0.000111	7.37E-05	6.23E-05	0.000111	0.00002
594606.02	4127540.64	0.000138	9.16E-05	7.74E-05	0.000138	0.00003
594669.31	4127540.64	0.000174	0.000115	9.7E-05	0.000174	0.00003
594732.6	4127540.64	0.000218	0.000143	0.000121	0.000218	0.00004
594795.89	4127540.64	0.000269	0.000177	0.000149	0.000269	0.00005



594859.18	4127540.64	0.000328	0.000215	0.000182	0.000328	0.00007
594922.47	4127540.64	0.000395	0.000258	0.000218	0.000395	0.00008
594985.76	4127540.64	0.000469	0.000306	0.000259	0.000469	0.00009
595049.05	4127540.64	0.000551	0.000359	0.000303	0.000551	0.00011
595112.34	4127540.64	0.000637	0.000414	0.00035	0.000637	0.00013
595175.63	4127540.64	0.000727	0.000472	0.000399	0.000727	0.00015
595238.92	4127540.64	0.000815	0.000529	0.000447	0.000815	0.00016
595302.21	4127540.64	0.0009	0.000584	0.000493	0.0009	0.00018
595365.5	4127540.64	0.000979	0.000634	0.000536	0.000979	0.00020
595428.79	4127540.64	0.00105	0.00068	0.000575	0.00105	0.00021
595492.08	4127540.64	0.00111	0.000719	0.000608	0.00111	0.00022
595555.37	4127540.64	0.001159	0.00075	0.000634	0.001159	0.00023
595618.66	4127540.64	0.001195	0.000773	0.000654	0.001195	0.00024
594352.86	4127567.33	7.96E-05	5.29E-05	4.47E-05	7.96E-05	0.00002
594416.15	4127567.33	8.46E-05	5.64E-05	4.76E-05	8.46E-05	0.00002
594479.44	4127567.33	9.65E-05	6.43E-05	5.43E-05	9.65E-05	0.00002
594542.73	4127567.33	0.000116	7.71E-05	6.51E-05	0.000116	0.00002
594606.02	4127567.33	0.000145	9.58E-05	8.1E-05	0.000145	0.00003
594669.31	4127567.33	0.000182	0.00012	0.000102	0.000182	0.00004
594732.6	4127567.33	0.000229	0.000151	0.000128	0.000229	0.00005
594795.89	4127567.33	0.000285	0.000187	0.000158	0.000285	0.00006
594859.18	4127567.33	0.000349	0.000229	0.000193	0.000349	0.00007
594922.47	4127567.33	0.000422	0.000276	0.000233	0.000422	0.00008
594985.76	4127567.33	0.000503	0.000328	0.000277	0.000503	0.00010
595049.05	4127567.33	0.00059	0.000384	0.000325	0.00059	0.00012
595112.34	4127567.33	0.000685	0.000445	0.000376	0.000685	0.00014
595175.63	4127567.33	0.000781	0.000507	0.000429	0.000781	0.00016
595238.92	4127567.33	0.000876	0.000568	0.00048	0.000876	0.00018
595302.21	4127567.33	0.000966	0.000626	0.000529	0.000966	0.00019
595365.5	4127567.33	0.001049	0.00068	0.000575	0.001049	0.00021
595428.79	4127567.33	0.001122	0.000726	0.000614	0.001122	0.00022
595492.08	4127567.33	0.001183	0.000765	0.000647	0.001183	0.00024
595555.37	4127567.33	0.00123	0.000796	0.000673	0.00123	0.00025
595618.66	4127567.33	0.001265	0.000818	0.000692	0.001265	0.00025
594352.86	4127594.02	8.49E-05	5.65E-05	4.78E-05	8.49E-05	0.00002
594416.15	4127594.02	8.97E-05	5.99E-05	5.06E-05	8.97E-05	0.00002
594479.44	4127594.02	0.000101	6.76E-05	5.71E-05	0.000101	0.00002
594542.73	4127594.02	0.000121	8.08E-05	6.83E-05	0.000121	0.00002
594606.02	4127594.02	0.000151	0.0001	8.49E-05	0.000151	0.00003

594669.31	4127594.02	0.000192	0.000127	0.000107	0.000192	0.00004
594732.6	4127594.02	0.000242	0.00016	0.000135	0.000242	0.00005
594795.89	4127594.02	0.000303	0.000199	0.000168	0.000303	0.00006
594859.18	4127594.02	0.000373	0.000244	0.000206	0.000373	0.00007
594922.47	4127594.02	0.000451	0.000295	0.000249	0.000451	0.00009
594985.76	4127594.02	0.00054	0.000352	0.000298	0.00054	0.00011
595049.05	4127594.02	0.000635	0.000414	0.00035	0.000635	0.00013
595112.34	4127594.02	0.000737	0.000479	0.000405	0.000737	0.00015
595175.63	4127594.02	0.000841	0.000546	0.000461	0.000841	0.00017
595238.92	4127594.02	0.000942	0.000611	0.000517	0.000942	0.00019
595302.21	4127594.02	0.001038	0.000673	0.000569	0.001038	0.00021
595365.5	4127594.02	0.001125	0.000729	0.000616	0.001125	0.00022
595428.79	4127594.02	0.001199	0.000777	0.000656	0.001199	0.00024
595492.08	4127594.02	0.00126	0.000816	0.000689	0.00126	0.00025
595555.37	4127594.02	0.001307	0.000846	0.000715	0.001307	0.00026
595618.66	4127594.02	0.001339	0.000866	0.000732	0.001339	0.00027
594352.86	4127620.71	8.94E-05	5.97E-05	5.04E-05	8.94E-05	0.00002
594416.15	4127620.71	9.51E-05	6.37E-05	5.38E-05	9.51E-05	0.00002
594479.44	4127620.71	0.000108	7.22E-05	6.1E-05	0.000108	0.00002
594542.73	4127620.71	0.000128	8.54E-05	7.22E-05	0.000128	0.00003
594606.02	4127620.71	0.000158	0.000105	8.91E-05	0.000158	0.00003
594669.31	4127620.71	0.000202	0.000134	0.000113	0.000202	0.00004
594732.6	4127620.71	0.000256	0.000169	0.000143	0.000256	0.00005
594795.89	4127620.71	0.000322	0.000212	0.000179	0.000322	0.00006
594859.18	4127620.71	0.000398	0.000261	0.00022	0.000398	0.00008
594922.47	4127620.71	0.000484	0.000317	0.000268	0.000484	0.00010
594985.76	4127620.71	0.00058	0.000378	0.00032	0.00058	0.00012
595049.05	4127620.71	0.000685	0.000446	0.000377	0.000685	0.00014
595112.34	4127620.71	0.000796	0.000517	0.000437	0.000796	0.00016
595175.63	4127620.71	0.000907	0.000589	0.000498	0.000907	0.00018
595238.92	4127620.71	0.001015	0.000659	0.000557	0.001015	0.00020
595302.21	4127620.71	0.001117	0.000724	0.000612	0.001117	0.00022
595365.5	4127620.71	0.001207	0.000782	0.000661	0.001207	0.00024
595428.79	4127620.71	0.001283	0.000831	0.000702	0.001283	0.00026
595492.08	4127620.71	0.001344	0.00087	0.000735	0.001344	0.00027
595555.37	4127620.71	0.001389	0.000899	0.000759	0.001389	0.00028
595618.66	4127620.71	0.001417	0.000916	0.000775	0.001417	0.00028
594352.86	4127647.4	9.45E-05	6.32E-05	5.34E-05	9.45E-05	0.00002
594416.15	4127647.4	0.0001	6.72E-05	5.68E-05	0.0001	0.00002

594479.44	4127647.4	0.000113	7.61E-05	6.43E-05	0.000113	0.00002
594542.73	4127647.4	0.000135	9.06E-05	7.66E-05	0.000135	0.00003
594606.02	4127647.4	0.000166	0.000111	9.38E-05	0.000166	0.00003
594669.31	4127647.4	0.000213	0.000141	0.00012	0.000213	0.00004
594732.6	4127647.4	0.000272	0.00018	0.000152	0.000272	0.00005
594795.89	4127647.4	0.000343	0.000226	0.000191	0.000343	0.00007
594859.18	4127647.4	0.000426	0.000279	0.000236	0.000426	0.00009
594922.47	4127647.4	0.00052	0.00034	0.000288	0.00052	0.00010
594985.76	4127647.4	0.000626	0.000409	0.000345	0.000626	0.00013
595049.05	4127647.4	0.000741	0.000482	0.000408	0.000741	0.00015
595112.34	4127647.4	0.00086	0.000559	0.000473	0.00086	0.00017
595175.63	4127647.4	0.000981	0.000637	0.000538	0.000981	0.00020
595238.92	4127647.4	0.001097	0.000712	0.000602	0.001097	0.00022
595302.21	4127647.4	0.001204	0.00078	0.000659	0.001204	0.00024
595365.5	4127647.4	0.001297	0.00084	0.00071	0.001297	0.00026
595428.79	4127647.4	0.001375	0.00089	0.000752	0.001375	0.00027
595492.08	4127647.4	0.001434	0.000928	0.000785	0.001434	0.00029
595555.37	4127647.4	0.001476	0.000955	0.000807	0.001476	0.00030
595618.66	4127647.4	0.001499	0.000969	0.000819	0.001499	0.00030
594352.86	4127674.09	0.0001	6.72E-05	5.68E-05	0.0001	0.00002
594416.15	4127674.09	0.000105	7.11E-05	6.01E-05	0.000105	0.00002
594479.44	4127674.09	0.000119	8.03E-05	6.78E-05	0.000119	0.00002
594542.73	4127674.09	0.000142	9.57E-05	8.09E-05	0.000142	0.00003
594606.02	4127674.09	0.000175	0.000117	9.88E-05	0.000175	0.00003
594669.31	4127674.09	0.000225	0.00015	0.000127	0.000225	0.00005
594732.6	4127674.09	0.000289	0.000191	0.000162	0.000289	0.00006
594795.89	4127674.09	0.000367	0.000242	0.000204	0.000367	0.00007
594859.18	4127674.09	0.000457	0.0003	0.000254	0.000457	0.00009
594922.47	4127674.09	0.000561	0.000367	0.00031	0.000561	0.00011
594985.76	4127674.09	0.000677	0.000442	0.000373	0.000677	0.00014
595049.05	4127674.09	0.000802	0.000523	0.000442	0.000802	0.00016
595112.34	4127674.09	0.000933	0.000606	0.000513	0.000933	0.00019
595175.63	4127674.09	0.001062	0.00069	0.000583	0.001062	0.00021
595238.92	4127674.09	0.001187	0.00077	0.000651	0.001187	0.00024
595302.21	4127674.09	0.001299	0.000842	0.000711	0.001299	0.00026
595365.5	4127674.09	0.001395	0.000904	0.000764	0.001395	0.00028
595428.79	4127674.09	0.001473	0.000953	0.000806	0.001473	0.00029
595492.08	4127674.09	0.001531	0.000991	0.000837	0.001531	0.00031
595555.37	4127674.09	0.001568	0.001014	0.000857	0.001568	0.00031

595618.66	4127674.09	0.001585	0.001025	0.000866	0.001585	0.00032
594352.86	4127700.78	0.000105	7.07E-05	5.97E-05	0.000105	0.00002
594416.15	4127700.78	0.000112	7.55E-05	6.38E-05	0.000112	0.00002
594479.44	4127700.78	0.000125	8.49E-05	7.18E-05	0.000125	0.00003
594542.73	4127700.78	0.00015	0.000101	8.54E-05	0.00015	0.00003
594606.02	4127700.78	0.000184	0.000124	0.000104	0.000184	0.00004
594669.31	4127700.78	0.000238	0.000159	0.000134	0.000238	0.00005
594732.6	4127700.78	0.000308	0.000204	0.000172	0.000308	0.00006
594795.89	4127700.78	0.000393	0.000259	0.000219	0.000393	0.00008
594859.18	4127700.78	0.000492	0.000323	0.000273	0.000492	0.00010
594922.47	4127700.78	0.000606	0.000397	0.000335	0.000606	0.00012
594985.76	4127700.78	0.000733	0.000479	0.000405	0.000733	0.00015
595049.05	4127700.78	0.000871	0.000567	0.000479	0.000871	0.00017
595112.34	4127700.78	0.001013	0.000659	0.000557	0.001013	0.00020
595175.63	4127700.78	0.001154	0.000749	0.000633	0.001154	0.00023
595238.92	4127700.78	0.001285	0.000833	0.000704	0.001285	0.00026
595302.21	4127700.78	0.001403	0.000909	0.000769	0.001403	0.00028
595365.5	4127700.78	0.001502	0.000973	0.000822	0.001502	0.00030
595428.79	4127700.78	0.001579	0.001022	0.000864	0.001579	0.00032
595492.08	4127700.78	0.001634	0.001057	0.000893	0.001634	0.00033
595555.37	4127700.78	0.001665	0.001077	0.00091	0.001665	0.00033
595618.66	4127700.78	0.001676	0.001084	0.000916	0.001676	0.00034
595497.7	4127730.05	0.001758	0.001137	0.000961	0.001758	0.00035
595572.99	4127730.05	0.001782	0.001152	0.000974	0.001782	0.00036
595648.28	4127730.05	0.001777	0.001149	0.000971	0.001777	0.00036
595723.57	4127730.05	0.001747	0.001129	0.000955	0.001747	0.00035
595798.86	4127730.05	0.0017	0.001099	0.000929	0.0017	0.00034
595497.7	4127796.4	0.002064	0.001335	0.001128	0.002064	0.00041
595572.99	4127796.4	0.002062	0.001333	0.001127	0.002062	0.00041
595648.28	4127796.4	0.002027	0.00131	0.001107	0.002027	0.00041
595723.57	4127796.4	0.001968	0.001272	0.001075	0.001968	0.00039
595798.86	4127796.4	0.001894	0.001224	0.001034	0.001894	0.00038
595497.7	4127862.75	0.002423	0.001566	0.001324	0.002423	0.00048
595572.99	4127862.75	0.002382	0.001539	0.001301	0.002382	0.00048
595648.28	4127862.75	0.002308	0.001491	0.00126	0.002308	0.00046
595723.57	4127862.75	0.002212	0.001429	0.001208	0.002212	0.00044
595798.86	4127862.75	0.002103	0.001359	0.001149	0.002103	0.00042
595497.7	4127929.1	0.002839	0.001835	0.001551	0.002839	0.00057
595572.99	4127929.1	0.002744	0.001773	0.001499	0.002744	0.00055

595648.28	4127929.1	0.002619	0.001692	0.00143	0.002619	0.00052
595723.57	4127929.1	0.002477	0.0016	0.001353	0.002477	0.00050
595798.86	4127929.1	0.002326	0.001503	0.00127	0.002326	0.00047
595497.7	4127995.45	0.00332	0.002144	0.001813	0.00332	0.00066
595572.99	4127995.45	0.003152	0.002036	0.001721	0.003152	0.00063
595648.28	4127995.45	0.00296	0.001912	0.001616	0.00296	0.00059
595723.57	4127995.45	0.002758	0.001781	0.001506	0.002758	0.00055
595798.86	4127995.45	0.002553	0.001649	0.001394	0.002553	0.00051
595497.7	4128061.8	0.003865	0.002496	0.00211	0.003865	0.00077
595572.99	4128061.8	0.003599	0.002324	0.001965	0.003599	0.00072
595648.28	4128061.8	0.003319	0.002144	0.001812	0.003319	0.00066
595723.57	4128061.8	0.003039	0.001963	0.001659	0.003039	0.00061
595798.86	4128061.8	0.002767	0.001787	0.00151	0.002767	0.00055
595497.7	4128128.15	0.004465	0.002883	0.002437	0.004465	0.00089
595572.99	4128128.15	0.004065	0.002625	0.002219	0.004065	0.00081
595648.28	4128128.15	0.00367	0.00237	0.002003	0.00367	0.00073
595723.57	4128128.15	0.003292	0.002126	0.001797	0.003292	0.00066
595798.86	4128128.15	0.002937	0.001897	0.001604	0.002937	0.00059
595497.7	4128194.5	0.005082	0.003282	0.002774	0.005082	0.00102
595572.99	4128194.5	0.004506	0.00291	0.002459	0.004506	0.00090
595648.28	4128194.5	0.003967	0.002562	0.002165	0.003967	0.00079
595723.57	4128194.5	0.003474	0.002243	0.001896	0.003474	0.00069
595798.86	4128194.5	0.00303	0.001957	0.001654	0.00303	0.00061
595497.7	4128260.85	0.005636	0.003639	0.003076	0.005636	0.00113
595572.99	4128260.85	0.004845	0.003128	0.002644	0.004845	0.00097
595648.28	4128260.85	0.004144	0.002676	0.002262	0.004144	0.00083
595723.57	4128260.85	0.003535	0.002283	0.00193	0.003535	0.00071
595798.86	4128260.85	0.003012	0.001946	0.001645	0.003012	0.00060
595497.7	4128327.2	0.006002	0.003875	0.003275	0.006002	0.00120
595572.99	4128327.2	0.004986	0.00322	0.002721	0.004986	0.00100
595648.28	4128327.2	0.004138	0.002673	0.002259	0.004138	0.00083
595723.57	4128327.2	0.00344	0.002222	0.001878	0.00344	0.00069
595798.86	4128327.2	0.002868	0.001853	0.001566	0.002868	0.00057
595497.7	4128393.55	0.00604	0.0039	0.003296	0.00604	0.00121
595572.99	4128393.55	0.004851	0.003133	0.002648	0.004851	0.00097
595648.28	4128393.55	0.003916	0.00253	0.002138	0.003916	0.00078
595723.57	4128393.55	0.003185	0.002057	0.001739	0.003185	0.00064
595798.86	4128393.55	0.002612	0.001688	0.001427	0.002612	0.00052
595497.7	4128459.9	0.00567	0.003661	0.003095	0.00567	0.00113

595572.99	4128459.9	0.004427	0.00286	0.002417	0.004427	0.00089
595648.28	4128459.9	0.003503	0.002263	0.001913	0.003503	0.00070
595723.57	4128459.9	0.00281	0.001816	0.001535	0.00281	0.00056
595798.86	4128459.9	0.002286	0.001478	0.001249	0.002286	0.00046
595497.7	4128526.25	0.00494	0.003191	0.002697	0.00494	0.00099
595572.99	4128526.25	0.003798	0.002454	0.002075	0.003798	0.00076
595648.28	4128526.25	0.002981	0.001927	0.001629	0.002981	0.00060
595723.57	4128526.25	0.002387	0.001543	0.001304	0.002387	0.00048
595798.86	4128526.25	0.001945	0.001258	0.001064	0.001945	0.00039
595497.7	4128592.6	0.004031	0.002606	0.002203	0.004031	0.00081
595572.99	4128592.6	0.003107	0.002009	0.001698	0.003107	0.00062
595648.28	4128592.6	0.002457	0.001589	0.001343	0.002457	0.00049
595723.57	4128592.6	0.001987	0.001286	0.001087	0.001987	0.00040
595798.86	4128592.6	0.001638	0.00106	0.000896	0.001638	0.00033
595497.7	4128658.95	0.003135	0.002029	0.001715	0.003135	0.00063
595572.99	4128658.95	0.002482	0.001606	0.001358	0.002482	0.00050
595648.28	4128658.95	0.002002	0.001296	0.001096	0.002002	0.00040
595723.57	4128658.95	0.00165	0.001069	0.000904	0.00165	0.00033
595798.86	4128658.95	0.001385	0.000898	0.000759	0.001385	0.00028
595497.7	4128725.3	0.002401	0.001556	0.001315	0.002401	0.00048
595572.99	4128725.3	0.001967	0.001275	0.001078	0.001967	0.00039
595648.28	4128725.3	0.001633	0.001059	0.000895	0.001633	0.00033
595723.57	4128725.3	0.001379	0.000894	0.000756	0.001379	0.00028
595798.86	4128725.3	0.001181	0.000766	0.000648	0.001181	0.00024
595312.78	4128113.49	0.005069	0.003274	0.002767	0.005069	0.00101
595353.37	4128113.49	0.004945	0.003194	0.002699	0.004945	0.00099
595393.96	4128113.49	0.004793	0.003095	0.002616	0.004793	0.00096
595434.55	4128113.49	0.004621	0.002984	0.002522	0.004621	0.00092
595312.78	4128167.08	0.00598	0.003862	0.003264	0.00598	0.00120
595353.37	4128167.08	0.005757	0.003717	0.003142	0.005757	0.00115
595393.96	4128167.08	0.00551	0.003558	0.003007	0.00551	0.00110
595434.55	4128167.08	0.005248	0.003389	0.002864	0.005248	0.00105
595312.78	4128220.67	0.007016	0.00453	0.003829	0.007016	0.00140
595353.37	4128220.67	0.006653	0.004295	0.00363	0.006653	0.00133
595393.96	4128220.67	0.006276	0.004052	0.003425	0.006276	0.00126
595434.55	4128220.67	0.005896	0.003807	0.003218	0.005896	0.00118
595312.78	4128274.26	0.008139	0.005254	0.004441	0.008139	0.00163
595353.37	4128274.26	0.007585	0.004896	0.004139	0.007585	0.00152
595393.96	4128274.26	0.007038	0.004544	0.00384	0.007038	0.00141

595434.55	4128274.26	0.006508	0.004201	0.003551	0.006508	0.00130
593786.29	4129268.12	0.001935	0.001249	0.001056	0.001935	0.00039
593838.34	4129268.12	0.002094	0.001352	0.001143	0.002094	0.00042
593786.29	4129289.04	0.001913	0.001235	0.001044	0.001913	0.00038
593838.34	4129289.04	0.002064	0.001333	0.001127	0.002064	0.00041
593786.29	4129309.96	0.001889	0.00122	0.001031	0.001889	0.00038
593838.34	4129309.96	0.002032	0.001312	0.001109	0.002032	0.00041
595225.34	4128413.877	0.013864	0.008948	0.007563	0.013864	0.00277
595225.34	4128445.983	0.014658	0.00946	0.007996	0.014658	0.00293
595225.34	4128478.09	0.015175	0.009794	0.008278	0.015175	0.00303
595225.34	4128510.197	0.015323	0.00989	0.008359	0.015323	0.00306
595230.9153	4128413.389	0.013622	0.008792	0.007432	0.013622	0.00272
595236.4905	4128445.008	0.014091	0.009095	0.007687	0.014091	0.00282
595242.0658	4128476.627	0.014212	0.009173	0.007753	0.014212	0.00284
595247.6411	4128508.246	0.013925	0.008988	0.007597	0.013925	0.00278
595236.3211	4128411.94	0.013368	0.008628	0.007293	0.013368	0.00267
595247.3023	4128442.111	0.013533	0.008735	0.007383	0.013533	0.00271
595258.2834	4128472.281	0.013331	0.008604	0.007273	0.013331	0.00267
595269.2646	4128502.452	0.012741	0.008225	0.006952	0.012741	0.00255
595241.3934	4128409.575	0.01311	0.008462	0.007152	0.01311	0.00262
595257.4467	4128437.38	0.013007	0.008395	0.007096	0.013007	0.00260
595273.5001	4128465.186	0.012558	0.008106	0.006851	0.012558	0.00251
595289.5534	4128492.991	0.011781	0.007605	0.006428	0.011781	0.00236
595245.9778	4128406.365	0.012858	0.008299	0.007014	0.012858	0.00257
595266.6156	4128430.96	0.012525	0.008084	0.006833	0.012525	0.00251
595287.2534	4128455.556	0.011901	0.007682	0.006493	0.011901	0.00238
595307.8912	4128480.151	0.011023	0.007116	0.006014	0.011023	0.00220
595249.9352	4128402.408	0.012617	0.008144	0.006883	0.012617	0.00252
595274.5303	4128423.046	0.012095	0.007807	0.006599	0.012095	0.00242
595299.1255	4128443.683	0.011353	0.007328	0.006194	0.011353	0.00227
595323.7207	4128464.321	0.010436	0.006737	0.005694	0.010436	0.00209
595253.1452	4128397.823	0.012394	0.008	0.006762	0.012394	0.00248
595280.9505	4128413.877	0.011719	0.007564	0.006393	0.011719	0.00234
595308.7557	4128429.93	0.010901	0.007037	0.005948	0.010901	0.00218
595336.5609	4128445.983	0.009983	0.006445	0.005447	0.009983	0.00200
595255.5104	4128392.751	0.012192	0.007869	0.006651	0.012192	0.00244
595285.6809	4128403.732	0.011394	0.007354	0.006216	0.011394	0.00228
595315.8513	4128414.713	0.01053	0.006797	0.005745	0.01053	0.00211
595346.0218	4128425.695	0.009632	0.006218	0.005255	0.009632	0.00193

595256.9589	4128387.345	0.012013	0.007754	0.006554	0.012013	0.00240
595288.5779	4128392.921	0.011118	0.007176	0.006066	0.011118	0.00222
595320.1968	4128398.496	0.010225	0.0066	0.005579	0.010225	0.00205
595351.8158	4128404.071	0.009352	0.006037	0.005103	0.009352	0.00187
595257.4467	4128381.77	0.01186	0.007655	0.00647	0.01186	0.00237
595289.5534	4128381.77	0.010886	0.007027	0.005939	0.010886	0.00218
595321.6601	4128381.77	0.009973	0.006437	0.005441	0.009973	0.00199
595353.7668	4128381.77	0.009122	0.005888	0.004977	0.009122	0.00182
595256.9589	4128376.195	0.011734	0.007574	0.006401	0.011734	0.00235
595288.5779	4128370.619	0.010696	0.006904	0.005836	0.010696	0.00214
595320.1968	4128365.044	0.009764	0.006302	0.005327	0.009764	0.00195
595351.8158	4128359.469	0.008925	0.005761	0.00487	0.008925	0.00179
595255.5104	4128370.789	0.011636	0.00751	0.006348	0.011636	0.00233
595285.6809	4128359.808	0.010546	0.006807	0.005754	0.010546	0.00211
595315.8513	4128348.827	0.009592	0.006192	0.005233	0.009592	0.00192
595346.0218	4128337.845	0.008754	0.005651	0.004776	0.008754	0.00175
595253.1452	4128365.717	0.011567	0.007466	0.00631	0.011567	0.00231
595280.9505	4128349.663	0.010434	0.006735	0.005693	0.010434	0.00209
595308.7557	4128333.61	0.009457	0.006104	0.00516	0.009457	0.00189
595336.5609	4128317.557	0.008608	0.005556	0.004696	0.008608	0.00172
595249.9352	4128361.132	0.011528	0.007441	0.006289	0.011528	0.00231
595274.5303	4128340.494	0.010363	0.006689	0.005654	0.010363	0.00207
595299.1255	4128319.857	0.009359	0.006041	0.005106	0.009359	0.00187
595323.7207	4128299.219	0.008489	0.00548	0.004632	0.008489	0.00170
595245.9778	4128357.175	0.01152	0.007436	0.006285	0.01152	0.00230
595266.6156	4128332.58	0.010334	0.006671	0.005638	0.010334	0.00207
595287.2534	4128307.985	0.009303	0.006006	0.005076	0.009303	0.00186
595307.8912	4128283.389	0.008405	0.005426	0.004586	0.008405	0.00168
595241.3934	4128353.965	0.011545	0.007452	0.006298	0.011545	0.00231
595257.4467	4128326.16	0.010351	0.006682	0.005648	0.010351	0.00207
595273.5001	4128298.354	0.009296	0.006001	0.005072	0.009296	0.00186
595289.5534	4128270.549	0.008366	0.005401	0.004565	0.008366	0.00167
595236.3211	4128351.6	0.011602	0.007489	0.00633	0.011602	0.00232
595247.3023	4128321.429	0.010418	0.006725	0.005684	0.010418	0.00208
595258.2834	4128291.259	0.009345	0.006033	0.005099	0.009345	0.00187
595269.2646	4128261.088	0.008383	0.005412	0.004574	0.008383	0.00168
595230.9153	4128350.151	0.011693	0.007548	0.00638	0.011693	0.00234
595236.4905	4128318.532	0.01054	0.006804	0.005751	0.01054	0.00211
595242.0658	4128286.913	0.009459	0.006106	0.005161	0.009459	0.00189



595247.6411	4128255.294	0.008469	0.005468	0.004621	0.008469	0.00169
595225.34	4128349.663	0.011819	0.007628	0.006448	0.011819	0.00236
595225.34	4128317.557	0.010721	0.00692	0.005849	0.010721	0.00214
595225.34	4128285.45	0.00965	0.00623	0.005265	0.00965	0.00193
595225.34	4128253.343	0.008638	0.005577	0.004714	0.008638	0.00173
595219.7647	4128350.151	0.011977	0.007731	0.006534	0.011977	0.00240
595214.1895	4128318.532	0.010967	0.007079	0.005984	0.010967	0.00219
595208.6142	4128286.913	0.009928	0.006409	0.005417	0.009928	0.00199
595203.0389	4128255.294	0.008908	0.005751	0.004861	0.008908	0.00178
595214.3589	4128351.6	0.012168	0.007854	0.006638	0.012168	0.00243
595203.3777	4128321.429	0.011282	0.007283	0.006156	0.011282	0.00226
595192.3966	4128291.259	0.010306	0.006653	0.005624	0.010306	0.00206
595181.4154	4128261.088	0.009299	0.006004	0.005075	0.009299	0.00186
595209.2867	4128353.965	0.012388	0.007996	0.006758	0.012388	0.00248
595193.2333	4128326.16	0.011669	0.007532	0.006366	0.011669	0.00233
595177.1799	4128298.354	0.010798	0.00697	0.005892	0.010798	0.00216
595161.1266	4128270.549	0.009838	0.006352	0.005369	0.009838	0.00197
595204.7022	4128357.175	0.012633	0.008154	0.006892	0.012633	0.00253
595184.0644	4128332.58	0.012126	0.007827	0.006616	0.012126	0.00243
595163.4266	4128307.985	0.011414	0.007368	0.006228	0.011414	0.00228
595142.7888	4128283.389	0.010551	0.006812	0.005758	0.010551	0.00211
595200.7448	4128361.132	0.012898	0.008325	0.007037	0.012898	0.00258
595176.1497	4128340.494	0.012649	0.008164	0.006901	0.012649	0.00253
595151.5545	4128319.857	0.012161	0.00785	0.006635	0.012161	0.00243
595126.9593	4128299.219	0.011467	0.007403	0.006257	0.011467	0.00229
595197.5348	4128365.717	0.013174	0.008503	0.007187	0.013174	0.00263
595169.7296	4128349.663	0.013227	0.008538	0.007216	0.013227	0.00265
595141.9243	4128333.61	0.013039	0.008417	0.007114	0.013039	0.00261
595114.1191	4128317.557	0.012611	0.008141	0.006881	0.012611	0.00252
595195.1696	4128370.789	0.013451	0.008682	0.007338	0.013451	0.00269
595164.9991	4128359.808	0.013842	0.008934	0.007552	0.013842	0.00277
595134.8287	4128348.827	0.014031	0.009057	0.007655	0.014031	0.00281
595104.6583	4128337.845	0.013986	0.009028	0.007631	0.013986	0.00280
595193.7211	4128376.195	0.013718	0.008854	0.007484	0.013718	0.00274
595162.1021	4128370.619	0.014467	0.009337	0.007892	0.014467	0.00289
595130.4832	4128365.044	0.015097	0.009744	0.008236	0.015097	0.00302
595098.8643	4128359.469	0.015562	0.010045	0.00849	0.015562	0.00311
595193.2333	4128381.77	0.013963	0.009012	0.007617	0.013963	0.00279
595161.1266	4128381.77	0.015065	0.009723	0.008218	0.015065	0.00301

595129.0199	4128381.77	0.016173	0.010438	0.008823	0.016173	0.00323
595096.9132	4128381.77	0.017252	0.011134	0.009411	0.017252	0.00345
595193.7211	4128387.345	0.014173	0.009147	0.007732	0.014173	0.00283
595162.1021	4128392.921	0.015595	0.010065	0.008507	0.015595	0.00312
595130.4832	4128398.496	0.017168	0.01108	0.009365	0.017168	0.00343
595098.8643	4128404.071	0.018895	0.012194	0.010307	0.018895	0.00378
595195.1696	4128392.751	0.014336	0.009253	0.007821	0.014336	0.00287
595164.9991	4128403.732	0.016014	0.010335	0.008736	0.016014	0.00320
595134.8287	4128414.713	0.017974	0.0116	0.009805	0.017974	0.00359
595104.6583	4128425.695	0.020273	0.013083	0.011059	0.020273	0.00405
595197.5348	4128397.823	0.014444	0.009322	0.007879	0.014444	0.00289
595169.7296	4128413.877	0.016287	0.010511	0.008885	0.016287	0.00326
595141.9243	4128429.93	0.018494	0.011935	0.010088	0.018494	0.00370
595114.1191	4128445.983	0.021162	0.013657	0.011543	0.021162	0.00423
595200.7448	4128402.408	0.01449	0.009352	0.007905	0.01449	0.00290
595176.1497	4128423.046	0.016388	0.010577	0.00894	0.016388	0.00328
595151.5545	4128443.683	0.018659	0.012042	0.010178	0.018659	0.00373
595126.9593	4128464.321	0.021399	0.01381	0.011673	0.021399	0.00428
595204.7022	4128406.365	0.014473	0.009341	0.007895	0.014473	0.00289
595184.0644	4128430.96	0.016312	0.010527	0.008898	0.016312	0.00326
595163.4266	4128455.556	0.018451	0.011908	0.010065	0.018451	0.00369
595142.7888	4128480.151	0.020947	0.013518	0.011426	0.020947	0.00419
595209.2867	4128409.575	0.014395	0.00929	0.007853	0.014395	0.00288
595193.2333	4128437.38	0.016068	0.01037	0.008765	0.016068	0.00321
595177.1799	4128465.186	0.017908	0.011557	0.009769	0.017908	0.00358
595161.1266	4128492.991	0.019904	0.012845	0.010857	0.019904	0.00398
595214.3589	4128411.94	0.014261	0.009204	0.00778	0.014261	0.00285
595203.3777	4128442.111	0.015685	0.010123	0.008557	0.015685	0.00314
595192.3966	4128472.281	0.017112	0.011044	0.009335	0.017112	0.00342
595181.4154	4128502.452	0.018471	0.011921	0.010076	0.018471	0.00369
595219.7647	4128413.389	0.01408	0.009088	0.007681	0.01408	0.00282
595214.1895	4128445.008	0.015202	0.009811	0.008293	0.015202	0.00304
595208.6142	4128476.627	0.016168	0.010435	0.00882	0.016168	0.00323
595203.0389	4128508.246	0.016879	0.010894	0.009208	0.016879	0.00338
594645.59	4128502.87	0.00804	0.005243	0.004432	0.00804	0.00161
594644.51	4128523.39	0.012124	0.007876	0.006657	0.012124	0.00242
594640.67	4128547.67	0.018871	0.012222	0.010331	0.018871	0.00377
594778.05	4128503.58	0.076112	0.049126	0.041523	0.076112	0.01522
594789.55	4128515.08	0.08984	0.057974	0.049002	0.08984	0.01797

594800.41	4128527.22	0.102949	0.066424	0.056144	0.102949	0.02059
594813.83	4128543.19	0.118196	0.076254	0.064453	0.118196	0.02364
594859.83	4128584.08	0.132554	0.085514	0.072279	0.132554	0.02651
594870.05	4128594.31	0.133608	0.086197	0.072856	0.133608	0.02672
594880.91	4128605.81	0.133793	0.086319	0.07296	0.133793	0.02676
594891.78	4128616.67	0.131674	0.084954	0.071806	0.131674	0.02633
594611.28	4128774.49	0.052524	0.033884	0.02864	0.052524	0.01050
594594.03	4128775.13	0.043977	0.028372	0.023981	0.043977	0.00880
594611.92	4128737.43	0.05174	0.033382	0.028216	0.05174	0.01035
594614.48	4128716.98	0.050947	0.032874	0.027786	0.050947	0.01019
594595.95	4128717.62	0.041316	0.026661	0.022535	0.041316	0.00826
594590.84	4128739.35	0.041275	0.026632	0.02251	0.041275	0.00826
594572.95	4128737.43	0.034382	0.022186	0.018752	0.034382	0.00688
594558.25	4128731.68	0.029508	0.019042	0.016095	0.029508	0.00590
594650.26	4128653.09	0.066208	0.042755	0.036138	0.066208	0.01324
594556.33	4128743.18	0.029831	0.01925	0.016271	0.029831	0.00597
594156.81	4128109.88	0.000476	0.000356	0.000301	0.000476	0.00010
594173.28	4128104.16	0.000496	0.000379	0.000321	0.000496	0.00010
594204.67	4128130.51	0.000477	0.000344	0.000291	0.000477	0.00010
594294.16	4128082.57	0.000654	0.000564	0.000477	0.000654	0.00013
594402.07	4128182.58	0.000519	0.000356	0.000301	0.000519	0.00010
594560.99	4128457.35	0.002854	0.001859	0.001572	0.002854	0.00057
594484.6	4128319.73	0.000957	0.00063	0.000533	0.000957	0.00019
594496.18	4128330.79	0.001025	0.000675	0.00057	0.001025	0.00021
594785.03	4128768.48	0.211765	0.136588	0.115449	0.211765	0.04235
594809.73	4128769.39	0.155882	0.100556	0.084993	0.155882	0.03118
594853.71	4128775.36	0.088109	0.056869	0.048068	0.088109	0.01762
594860.97	4128775.36	0.080228	0.051793	0.043777	0.080228	0.01605
594896.14	4128777.48	0.04401	0.028492	0.024083	0.04401	0.00880
595133.8	4128685.43	0.015783	0.010196	0.008618	0.015783	0.00316
594914.19	4128786.67	0.030146	0.019587	0.016556	0.030146	0.00603
594874.82	4128777.83	0.06178	0.039909	0.033733	0.06178	0.01236
594152.05	4128129.79	0.00046	0.000329	0.000279	0.00046	0.00009
594202.81	4128148.84	0.000481	0.000338	0.000285	0.000481	0.00010
594241.18	4128131.38	0.000485	0.00035	0.000296	0.000485	0.00010
594332.26	4128103.12	0.000519	0.000408	0.000345	0.000519	0.00010
594456.05	4128365.74	0.00124	0.000811	0.000686	0.00124	0.00025
594570.17	4128468.28	0.00326	0.002122	0.001794	0.00326	0.00065
594462.2	4128339.56	0.001068	0.000701	0.000592	0.001068	0.00021

594506.43	4128340.91	0.001097	0.000721	0.00061	0.001097	0.00022
594790.08	4128779.43	0.154346	0.099559	0.084151	0.154346	0.03087
594830.62	4128770.02	0.125457	0.080943	0.068416	0.125457	0.02509
594782.57	4128786.09	0.134944	0.087045	0.073573	0.134944	0.02699
594852.94	4128785.86	0.069375	0.044782	0.037851	0.069375	0.01388
594873.88	4128804.73	0.034482	0.022283	0.018834	0.034482	0.00690
595133.34	4128701.89	0.014102	0.009113	0.007702	0.014102	0.00282
595019.02	4128685.83	0.04157	0.026837	0.022683	0.04157	0.00831
595057.48	4128670.69	0.031432	0.020292	0.017152	0.031432	0.00629
595058.31	4128653.72	0.033553	0.021658	0.018306	0.033553	0.00671
595056.86	4128637.66	0.03558	0.022964	0.01941	0.03558	0.00712
594151.73	4128146.21	0.000463	0.000324	0.000274	0.000463	0.00009
594240.91	4128149.07	0.000489	0.000344	0.000291	0.000489	0.00010
594174.19	4128094.46	0.000529	0.000421	0.000356	0.000529	0.00011
594310.35	4128118.59	0.000493	0.000369	0.000312	0.000493	0.00010
594494.91	4128412.28	0.001749	0.00114	0.000964	0.001749	0.00035
594580.96	4128478.67	0.003778	0.002459	0.002078	0.003778	0.00076
594471.65	4128352.38	0.001158	0.000759	0.000641	0.001158	0.00023
594515.61	4128353.46	0.001196	0.000786	0.000664	0.001196	0.00024
594929.89	4128040.25	0.002273	0.001482	0.001253	0.002273	0.00045
594897.89	4128019.95	0.00182	0.001192	0.001008	0.00182	0.00036
594729.44	4128313.92	0.003676	0.002473	0.002091	0.003676	0.00074
594730.04	4128324.02	0.004055	0.002716	0.002296	0.004055	0.00081
594965.04	4128727.99	0.057883	0.037385	0.0316	0.057883	0.01158
595039.74	4128656.87	0.03881	0.02505	0.021174	0.03881	0.00776
595011.68	4128715.14	0.036247	0.02341	0.019787	0.036247	0.00725
595023.07	4128705.51	0.034876	0.022522	0.019037	0.034876	0.00698
595035.37	4128696.33	0.033031	0.021329	0.018028	0.033031	0.00661
595048.6	4128684.86	0.031445	0.020303	0.01716	0.031445	0.00629
594156.81	4128166.44	0.000479	0.000329	0.000278	0.000479	0.00010
594324.73	4128150.25	0.000495	0.000349	0.000295	0.000495	0.00010
594192.29	4128092.14	0.00055	0.000444	0.000375	0.00055	0.00011
594328.45	4128132.15	0.000486	0.000353	0.000299	0.000486	0.00010
594484.65	4128398.92	0.001575	0.001028	0.000869	0.001575	0.00031
594590.68	4128491.48	0.004577	0.002976	0.002515	0.004577	0.00092
594481.09	4128364.92	0.001258	0.000824	0.000696	0.001258	0.00025
594526.67	4128365.19	0.001304	0.000856	0.000724	0.001304	0.00026
594851.13	4127984.38	0.001278	0.000846	0.000715	0.001278	0.00026
594848.47	4128001.92	0.001362	0.000902	0.000762	0.001362	0.00027

594712.46	4128323.73	0.003487	0.002407	0.002035	0.003487	0.00070
594780.3	4128311.57	0.005856	0.003823	0.003232	0.005856	0.00117
595091.67	4128681.59	0.022219	0.014349	0.012128	0.022219	0.00444
594985.15	4128715.08	0.049779	0.032144	0.02717	0.049779	0.00996
595001.12	4128701.32	0.045757	0.029543	0.02497	0.045757	0.00915
594975.35	4128737.57	0.043984	0.028421	0.024023	0.043984	0.00880
594894.98	4128801.8	0.028027	0.018141	0.015334	0.028027	0.00561
594918.29	4128804.09	0.020957	0.01362	0.011512	0.020957	0.00419
594935.19	4128811.44	0.016426	0.010733	0.009072	0.016426	0.00329
594292.66	4128148.25	0.000495	0.00035	0.000296	0.000495	0.00010
594206.26	4128109.2	0.000497	0.000377	0.000319	0.000497	0.00010
594372.26	4128145.71	0.000481	0.000343	0.00029	0.000481	0.00010
594476.02	4128388.8	0.001459	0.000952	0.000805	0.001459	0.00029
594599.04	4128501.06	0.00543	0.003529	0.002983	0.00543	0.00109
594492.7	4128375.31	0.001358	0.000889	0.000751	0.001358	0.00027
594534.77	4128374.77	0.001402	0.00092	0.000778	0.001402	0.00028
594931.92	4128018.42	0.002065	0.001347	0.001139	0.002065	0.00041
594897.21	4128000.82	0.001663	0.001091	0.000922	0.001663	0.00033
594753.99	4128314.5	0.004647	0.003063	0.00259	0.004647	0.00093
594780.53	4128299.81	0.005285	0.003454	0.00292	0.005285	0.00106
595091.67	4128697.59	0.019882	0.012843	0.010855	0.019882	0.00398
595033.78	4128674.19	0.038219	0.024672	0.020853	0.038219	0.00764
595092.89	4128798.07	0.007423	0.004821	0.004075	0.007423	0.00148
595109.32	4128798.07	0.006837	0.00444	0.003753	0.006837	0.00137
595123.92	4128797.61	0.0064	0.004156	0.003513	0.0064	0.00128
594594.57	4128547.24	0.010346	0.006698	0.005661	0.010346	0.00207
594610.2	4128548.32	0.012392	0.008023	0.006781	0.012392	0.00248
594624.75	4128548.86	0.015032	0.009732	0.008226	0.015032	0.00301
594621.75	4128590.45	0.025747	0.01664	0.014065	0.025747	0.00515
594105.97	4128171.34	0.000466	0.000317	0.000268	0.000466	0.00009
594239.91	4128105.3	0.000513	0.000395	0.000334	0.000513	0.00010
594369.41	4128168.8	0.000506	0.000351	0.000297	0.000506	0.00010
594584.77	4128432.65	0.002406	0.001574	0.001331	0.002406	0.00048
594576.92	4128422.67	0.002159	0.001413	0.001195	0.002159	0.00043
594616.02	4128467.73	0.003837	0.002507	0.002119	0.003837	0.00077
594556.63	4128400.54	0.001737	0.001138	0.000962	0.001737	0.00035
594898.07	4127985.5	0.001559	0.001023	0.000865	0.001559	0.00031
594929.03	4127999.04	0.001865	0.001219	0.00103	0.001865	0.00037
594766.84	4128316.04	0.005325	0.00349	0.00295	0.005325	0.00106

594779.15	4128327.06	0.006593	0.0043	0.003634	0.006593	0.00132
595090.75	4128714.05	0.01752	0.011321	0.009569	0.01752	0.00350
595008.09	4128772.32	0.017531	0.011362	0.009603	0.017531	0.00351
595051.13	4128776.45	0.012003	0.00778	0.006576	0.012003	0.00240
595018.02	4128785.17	0.013432	0.008719	0.00737	0.013432	0.00269
595050.97	4128790.22	0.010172	0.006604	0.005582	0.010172	0.00203
594549.75	4128547.91	0.007257	0.004697	0.00397	0.007257	0.00145
594565.38	4128547.1	0.008066	0.005221	0.004413	0.008066	0.00161
594642.31	4128571.41	0.028619	0.01851	0.015646	0.028619	0.00572
594649.57	4128583.56	0.03847	0.024874	0.021024	0.03847	0.00769
594156.81	4128181.41	0.000494	0.000336	0.000284	0.000494	0.00010
594242.13	4128084.89	0.00062	0.000523	0.000443	0.00062	0.00012
594466.33	4128377.73	0.001346	0.00088	0.000744	0.001346	0.00027
594595.83	4128445.2	0.002794	0.001827	0.001544	0.002794	0.00056
594606.6	4128457.61	0.003289	0.00215	0.001817	0.003289	0.00066
594567.98	4128410.66	0.001916	0.001255	0.001061	0.001916	0.00038
594623.82	4128478.93	0.004612	0.003011	0.002545	0.004612	0.00092
594850.69	4127967.48	0.001187	0.000786	0.000664	0.001187	0.00024
594713.46	4128311.86	0.003196	0.002214	0.001872	0.003196	0.00064
594766.84	4128324.25	0.005717	0.003742	0.003163	0.005717	0.00114
594779.15	4128339.62	0.007339	0.004781	0.004041	0.007339	0.00147
594863.24	4128961.31	0.007134	0.004615	0.003901	0.007134	0.00143
595029.65	4128774.56	0.014319	0.009281	0.007844	0.014319	0.00286
595091.97	4128774.56	0.009475	0.006141	0.00519	0.009475	0.00190
595109.78	4128774.56	0.008546	0.005538	0.004681	0.008546	0.00171
595050.97	4128765.38	0.013794	0.008933	0.00755	0.013794	0.00276
594535.7	4128548.04	0.006613	0.00428	0.003618	0.006613	0.00132
594580.5	4128547.5	0.009147	0.005921	0.005005	0.009147	0.00183
594639.61	4128583.69	0.03189	0.020617	0.017426	0.03189	0.00638
594649.3	4128595.3	0.043369	0.028032	0.023694	0.043369	0.00867
594112.36	4128157.82	0.000456	0.000313	0.000265	0.000456	0.00009
594316.11	4128129.88	0.000488	0.000356	0.000301	0.000488	0.00010
594604.22	4128516.57	0.007092	0.004602	0.00389	0.007092	0.00142
594544.02	4128470.15	0.003081	0.002004	0.001694	0.003081	0.00062
594516.47	4128436.69	0.002171	0.001414	0.001195	0.002171	0.00043
594531.56	4128422.12	0.001989	0.001298	0.001097	0.001989	0.00040
594502.39	4128386.5	0.001477	0.000965	0.000816	0.001477	0.00030
594711.93	4128340.94	0.004071	0.002785	0.002354	0.004071	0.00081
594724.7	4128340.71	0.004571	0.003063	0.002589	0.004571	0.00091

594738.16	4128340.94	0.005233	0.003462	0.002926	0.005233	0.00105
594764.92	4128298.95	0.004541	0.002984	0.002523	0.004541	0.00091
594855.84	4128802.72	0.044621	0.028813	0.024354	0.044621	0.00892
594785.53	4128831.63	0.043761	0.028239	0.023868	0.043761	0.00875
594796.46	4128831.63	0.040796	0.026328	0.022253	0.040796	0.00816
595049.6	4128808.45	0.008376	0.005453	0.004609	0.008376	0.00168
594828.2	4128794.7	0.071457	0.046111	0.038975	0.071457	0.01429
594891.14	4128831.45	0.018491	0.011966	0.010114	0.018491	0.00370
594905.45	4128831.19	0.016277	0.010548	0.008915	0.016277	0.00326
594918	4128830.69	0.014721	0.009556	0.008077	0.014721	0.00294
594291.98	4128131.38	0.000489	0.000355	0.0003	0.000489	0.00010
594574.27	4128502.13	0.004844	0.003145	0.002658	0.004844	0.00097
594554.54	4128483.51	0.003632	0.00236	0.001995	0.003632	0.00073
594525.37	4128448.16	0.002426	0.001579	0.001335	0.002426	0.00049
594541.54	4128435.48	0.002254	0.00147	0.001242	0.002254	0.00045
594512.1	4128397.16	0.001606	0.00105	0.000887	0.001606	0.00032
594788.47	4128796.69	0.091506	0.059032	0.049896	0.091506	0.01830
594812.03	4128788.66	0.096115	0.06201	0.052413	0.096115	0.01922
594808.73	4128806.79	0.061651	0.039781	0.033624	0.061651	0.01233
594855.23	4128813.67	0.035641	0.023017	0.019455	0.035641	0.00713
594859.28	4128793.94	0.052599	0.033963	0.028707	0.052599	0.01052
595427.44	4129452.45	0.000588	0.000408	0.000345	0.000588	0.00012
595443.76	4129477.89	0.000559	0.000387	0.000327	0.000559	0.00011
595096.58	4128893.01	0.003805	0.002526	0.002135	0.003805	0.00076
594931.43	4128831.15	0.013228	0.008612	0.007279	0.013228	0.00265
594942.72	4128831.15	0.012267	0.008016	0.006776	0.012267	0.00245
594952	4128830.89	0.011643	0.007645	0.006462	0.011643	0.00233
594296.11	4128099.86	0.000533	0.000422	0.000357	0.000533	0.00011
594583.17	4128516.02	0.006082	0.003945	0.003334	0.006082	0.00122
594565.07	4128491.74	0.004126	0.00268	0.002266	0.004126	0.00083
594535.36	4128456.66	0.002667	0.001736	0.001467	0.002667	0.00053
594551.25	4128443.17	0.002453	0.001599	0.001352	0.002453	0.00049
594634.61	4128491.2	0.005979	0.003901	0.003298	0.005979	0.00120
594807.75	4128780.8	0.123178	0.079463	0.067165	0.123178	0.02464
594789.31	4128805.81	0.070987	0.045799	0.038711	0.070987	0.01420
594831.22	4128783.32	0.092841	0.059906	0.050634	0.092841	0.01857
594832.05	4128808.57	0.049597	0.032012	0.027058	0.049597	0.00992
594810.94	4128797.36	0.076832	0.049573	0.041901	0.076832	0.01537
595414.09	4129463.99	0.000573	0.000393	0.000332	0.000573	0.00011

595497.65	4129524.43	0.000507	0.000354	0.000299	0.000507	0.00010
595481.49	4129523.42	0.000507	0.000351	0.000297	0.000507	0.00010
595080.91	4128875.09	0.004417	0.00292	0.002468	0.004417	0.00088
595084.17	4128856.08	0.004856	0.003187	0.002694	0.004856	0.00097
595139.79	4128859.08	0.003838	0.002511	0.002122	0.003838	0.00077
595164.13	4128891	0.003007	0.001977	0.001671	0.003007	0.00060
595207.95	4128939.61	0.002189	0.001449	0.001225	0.002189	0.00044
595220.47	4129289.9	0.000935	0.000622	0.000526	0.000935	0.00019
595259.38	4129289.47	0.000906	0.00061	0.000516	0.000906	0.00018
595294.68	4129290.12	0.000886	0.000607	0.000513	0.000886	0.00018
594902.61	4129107.8	0.002861	0.001855	0.001568	0.002861	0.00057
594827.43	4129184.31	0.002873	0.001859	0.001572	0.002873	0.00057
594852.82	4129183.98	0.002621	0.001698	0.001435	0.002621	0.00052
595333.6	4129288.08	0.000901	0.000643	0.000544	0.000901	0.00018
595380.35	4129325.01	0.000848	0.000627	0.00053	0.000848	0.00017
595354.7	4129297.95	0.0009	0.000659	0.000557	0.0009	0.00018
595368.91	4129310.75	0.00088	0.00065	0.00055	0.00088	0.00018
595107.61	4128896.67	0.003586	0.002378	0.00201	0.003586	0.00072
595293.36	4129039.9	0.001359	0.000915	0.000773	0.001359	0.00027
595128.46	4128901.73	0.003246	0.002148	0.001816	0.003246	0.00065
595155	4128868.94	0.003446	0.002257	0.001908	0.003446	0.00069
595175.78	4128905.49	0.002725	0.001795	0.001517	0.002725	0.00054
595238.67	4129290.18	0.00092	0.000615	0.00052	0.00092	0.00018
595275	4129290.4	0.000895	0.000606	0.000513	0.000895	0.00018
595312.87	4129293.82	0.000874	0.000606	0.000512	0.000874	0.00017
594951.95	4129201.23	0.001737	0.001129	0.000955	0.001737	0.00035
594951.45	4129184.34	0.001839	0.001195	0.00101	0.001839	0.00037
594951.87	4129167.45	0.001946	0.001265	0.001069	0.001946	0.00039
595428.66	4129378.62	0.000751	0.000562	0.000475	0.000751	0.00015
595310.9	4129057.13	0.00126	0.000851	0.000719	0.00126	0.00025
595331.92	4129156.05	0.00109	0.000778	0.000658	0.00109	0.00022
595321.54	4129074.33	0.001192	0.000808	0.000683	0.001192	0.00024
595113.6	4128851.38	0.00444	0.002905	0.002455	0.00444	0.00089
595112.85	4128887.74	0.003657	0.002415	0.002041	0.003657	0.00073
595120.78	4128911.11	0.003218	0.00214	0.001809	0.003218	0.00064
595221.89	4128959.1	0.001983	0.001317	0.001113	0.001983	0.00040
595233.53	4128971.89	0.001854	0.001234	0.001043	0.001854	0.00037
595119.78	4129332.57	0.000924	0.000606	0.000512	0.000924	0.00018
595138.93	4129334.68	0.000903	0.000593	0.000502	0.000903	0.00018



595155.7	4129334.42	0.000892	0.000587	0.000496	0.000892	0.00018
595183.3	4129288.98	0.000968	0.00064	0.000541	0.000968	0.00019
595272.73	4129366.65	0.000765	0.00051	0.000431	0.000765	0.00015
595214.73	4129331.51	0.000859	0.000569	0.000481	0.000859	0.00017
595287.25	4129332.83	0.000811	0.000546	0.000462	0.000811	0.00016
595311.95	4129339.18	0.000787	0.000534	0.000452	0.000787	0.00016
595331.37	4129347.63	0.000765	0.000523	0.000442	0.000765	0.00015
595074.4	4129323.35	0.000989	0.000647	0.000547	0.000989	0.00020
595285.77	4129354.5	0.000776	0.000521	0.00044	0.000776	0.00016
595418.42	4129365.33	0.000775	0.00058	0.000491	0.000775	0.00016
595279.07	4129085.35	0.001324	0.000919	0.000777	0.001324	0.00026
595372.78	4129189.43	0.000951	0.000679	0.000574	0.000951	0.00019
595343.48	4129168.35	0.001049	0.000752	0.000636	0.001049	0.00021
595230.18	4129029.41	0.001654	0.00113	0.000955	0.001654	0.00033
595263.39	4129007.48	0.00157	0.001051	0.000889	0.00157	0.00031
595279.79	4129026.86	0.001443	0.00097	0.00082	0.001443	0.00029
595147.72	4128938.09	0.002661	0.001779	0.001504	0.002661	0.00053
595137.3	4128924.75	0.002883	0.001921	0.001624	0.002883	0.00058
595112.65	4129285.77	0.001047	0.000687	0.00058	0.001047	0.00021
595074.99	4129304.8	0.001037	0.000678	0.000573	0.001037	0.00021
595127.17	4129285.77	0.001029	0.000676	0.000572	0.001029	0.00021
595175.91	4129334.39	0.000878	0.000579	0.000489	0.000878	0.00018
595255.03	4129366.62	0.000775	0.000515	0.000436	0.000775	0.00015
595237.46	4129351.56	0.00081	0.000538	0.000455	0.00081	0.00016
595439.07	4129389.95	0.000737	0.000553	0.000468	0.000737	0.00015
595452.9	4129402.76	0.000726	0.00055	0.000465	0.000726	0.00015
595371.16	4129439.36	0.00061	0.000414	0.00035	0.00061	0.00012
595393.46	4129414.88	0.000641	0.000443	0.000374	0.000641	0.00013
595476.63	4129434.13	0.000666	0.000501	0.000424	0.000666	0.00013
595458.53	4129407.98	0.000719	0.000546	0.000462	0.000719	0.00014
595408.18	4129350.58	0.000811	0.00061	0.000516	0.000811	0.00016
595257.99	4129067.54	0.001442	0.000998	0.000844	0.001442	0.00029
595306.54	4129122.59	0.001187	0.000836	0.000707	0.001187	0.00024
595319.82	4129140.23	0.001133	0.000804	0.00068	0.001133	0.00023
595240.41	4129023.07	0.001619	0.001097	0.000927	0.001619	0.00032
595247.31	4128986.52	0.001721	0.001148	0.00097	0.001721	0.00034
595252.74	4128994.2	0.001665	0.001112	0.00094	0.001665	0.00033
595192.09	4128920.73	0.002446	0.001614	0.001365	0.002446	0.00049
595175.66	4128966.77	0.002233	0.001502	0.00127	0.002233	0.00045

595088.6	4129290.76	0.001061	0.000695	0.000588	0.001061	0.00021
595148.7	4129287.07	0.001003	0.000661	0.000558	0.001003	0.00020
595164.42	4129287.86	0.000986	0.00065	0.00055	0.000986	0.00020
595198.63	4129286.27	0.000962	0.000638	0.000539	0.000962	0.00019
595196.38	4129334.89	0.000865	0.000571	0.000483	0.000865	0.00017
595235.34	4129332.77	0.000843	0.000561	0.000474	0.000843	0.00017
595444.67	4129395.56	0.000732	0.000551	0.000466	0.000732	0.00015
595365.92	4129389.11	0.000683	0.000469	0.000397	0.000683	0.00014
595379.02	4129400.34	0.000663	0.000457	0.000386	0.000663	0.00013
595382.68	4129426.61	0.000625	0.000428	0.000362	0.000625	0.00013
595488.78	4129448.63	0.000653	0.000492	0.000416	0.000653	0.00013
595466.19	4129420.63	0.000684	0.000515	0.000435	0.000684	0.00014
595393.19	4129336.56	0.000834	0.000622	0.000526	0.000834	0.00017
595247.67	4129052.75	0.001514	0.001043	0.000882	0.001514	0.00030
595290.63	4129099.2	0.001263	0.00088	0.000744	0.001263	0.00025
595327.57	4129081.99	0.001161	0.000788	0.000667	0.001161	0.00023
595203.86	4128999.19	0.001895	0.001285	0.001086	0.001895	0.00038
595219.16	4129017.83	0.001744	0.001189	0.001005	0.001744	0.00035
595229.71	4129010.52	0.00171	0.001156	0.000977	0.00171	0.00034
595160.4	4128953.08	0.002437	0.001636	0.001383	0.002437	0.00049
595191.01	4128985.43	0.002032	0.001373	0.001161	0.002032	0.00041
595341.75	4129361.55	0.000738	0.000505	0.000427	0.000738	0.00015
595319.56	4129372.12	0.000731	0.000494	0.000417	0.000731	0.00015
594823.12	4129350.69	0.00176	0.00114	0.000964	0.00176	0.00035
594840.16	4129351.18	0.001678	0.001087	0.000919	0.001678	0.00034
594856.23	4129352.15	0.001593	0.001032	0.000873	0.001593	0.00032
594950.83	4129354.09	0.00114	0.000742	0.000627	0.00114	0.00023
594967.39	4129353.6	0.001088	0.000708	0.000598	0.001088	0.00022
594983.45	4129353.6	0.001044	0.00068	0.000575	0.001044	0.00021
595001.49	4129349.66	0.001015	0.000661	0.000559	0.001015	0.00020
595044.8	4129396.91	0.000845	0.000552	0.000467	0.000845	0.00017
595075.17	4129370.37	0.000878	0.000574	0.000485	0.000878	0.00018
595126.08	4129373.64	0.000838	0.00055	0.000465	0.000838	0.00017
595243.87	4129478.68	0.000625	0.000412	0.000349	0.000625	0.00012
595274.5	4129500.59	0.000588	0.000389	0.000329	0.000588	0.00012
595213.07	4129402.68	0.000743	0.00049	0.000414	0.000743	0.00015
595265.91	4129429.75	0.000676	0.000448	0.000379	0.000676	0.00014
595301.52	4129380.53	0.000727	0.000488	0.000413	0.000727	0.00015
594793.06	4129350.42	0.001879	0.001217	0.001028	0.001879	0.00038

594809.62	4129351.39	0.001814	0.001174	0.000993	0.001814	0.00036
594871.74	4129351.88	0.001513	0.000981	0.000829	0.001513	0.00030
594886.84	4129352.36	0.001432	0.000929	0.000785	0.001432	0.00029
594901.45	4129353.81	0.001353	0.000878	0.000742	0.001353	0.00027
594919.95	4129353.33	0.001267	0.000823	0.000696	0.001267	0.00025
594937.47	4129353.33	0.001193	0.000775	0.000655	0.001193	0.00024
595042.27	4129376.58	0.000892	0.000582	0.000492	0.000892	0.00018
595074.73	4129391.99	0.000832	0.000544	0.00046	0.000832	0.00017
595196.07	4129448.03	0.000683	0.00045	0.00038	0.000683	0.00014
595231.02	4129462.96	0.000649	0.000428	0.000362	0.000649	0.00013
595258.89	4129485.88	0.000611	0.000403	0.000341	0.000611	0.00012
595214.71	4129454.65	0.000667	0.000439	0.000371	0.000667	0.00013
595234.32	4129411.58	0.000718	0.000475	0.000402	0.000718	0.00014
595295.77	4129404.2	0.000694	0.000464	0.000392	0.000694	0.00014
594782.4	4129402.99	0.001661	0.001075	0.000909	0.001661	0.00033
594801.86	4129402.51	0.001614	0.001045	0.000883	0.001614	0.00032
594867.38	4129404.44	0.001359	0.000881	0.000745	0.001359	0.00027
594932.94	4129404.03	0.001082	0.000703	0.000594	0.001082	0.00022
594916.39	4129403.8	0.001147	0.000745	0.00063	0.001147	0.00023
594980.9	4129488.37	0.000785	0.000511	0.000432	0.000785	0.00016
595042.13	4129464.29	0.000725	0.000473	0.0004	0.000725	0.00014
595043.53	4129409.85	0.00082	0.000536	0.000453	0.00082	0.00016
595075.74	4129409.01	0.000797	0.000521	0.000441	0.000797	0.00016
595120.42	4129478.92	0.00066	0.000433	0.000366	0.00066	0.00013
595156.71	4129400.4	0.000773	0.000508	0.00043	0.000773	0.00015
595177.02	4129399.64	0.000765	0.000504	0.000426	0.000765	0.00015
595196.66	4129400.39	0.000755	0.000497	0.00042	0.000755	0.00015
595250.73	4129418.85	0.0007	0.000463	0.000392	0.0007	0.00014
595313	4129420.08	0.000656	0.000439	0.000371	0.000656	0.00013
594781.91	4129437.14	0.001525	0.000988	0.000835	0.001525	0.00031
594830.95	4129407.57	0.001499	0.000971	0.000821	0.001499	0.00030
594849.93	4129403.69	0.001437	0.000931	0.000787	0.001437	0.00029
594816.55	4129402.72	0.001568	0.001015	0.000858	0.001568	0.00031
594883.03	4129407.57	0.001281	0.000831	0.000703	0.001281	0.00026
594981.08	4129408.19	0.000925	0.000602	0.000509	0.000925	0.00018
595042.55	4129444.39	0.000757	0.000495	0.000418	0.000757	0.00015
595042.69	4129361.68	0.000925	0.000604	0.000511	0.000925	0.00019
595074.05	4129427.93	0.000762	0.000498	0.000421	0.000762	0.00015
595075.46	4129481.52	0.000674	0.00044	0.000372	0.000674	0.00013

595077.71	4129443.96	0.000732	0.000479	0.000405	0.000732	0.00015
595140.24	4129399.04	0.000783	0.000514	0.000434	0.000783	0.00016
595119.5	4129398.54	0.000794	0.00052	0.00044	0.000794	0.00016
595281.49	4129442.51	0.000651	0.000433	0.000366	0.000651	0.00013
595334.74	4129423.24	0.000641	0.000431	0.000364	0.000641	0.00013
594864.47	4129487.19	0.001153	0.000748	0.000632	0.001153	0.00023
594830.95	4129434.93	0.001407	0.000912	0.000771	0.001407	0.00028
594850.89	4129434.93	0.001336	0.000866	0.000732	0.001336	0.00027
594818	4129433.96	0.001451	0.00094	0.000795	0.001451	0.00029
594883.03	4129434.93	0.001209	0.000784	0.000663	0.001209	0.00024
594981.08	4129435.55	0.000872	0.000568	0.00048	0.000872	0.00017
595042.55	4129430.39	0.000783	0.000511	0.000432	0.000783	0.00016
595047.75	4129479.34	0.000696	0.000455	0.000384	0.000696	0.00014
594931.84	4129488.8	0.000919	0.000597	0.000505	0.000919	0.00018
594799.73	4129485.62	0.001331	0.000862	0.000729	0.001331	0.00027
595075.6	4129465.84	0.000697	0.000456	0.000385	0.000697	0.00014
595137.24	4129447.6	0.000703	0.000461	0.00039	0.000703	0.00014
595255.31	4129522.17	0.000571	0.000377	0.000318	0.000571	0.00011
595311.84	4129464.54	0.000611	0.000407	0.000344	0.000611	0.00012
595351.96	4129405.48	0.00066	0.000448	0.000379	0.00066	0.00013
594846.58	4129485.19	0.001215	0.000788	0.000666	0.001215	0.00024
594882.33	4129487.03	0.001092	0.000709	0.000599	0.001092	0.00022
594896.74	4129487.49	0.001041	0.000676	0.000571	0.001041	0.00021
594933.4	4129439.32	0.001005	0.000653	0.000552	0.001005	0.00020
594916.85	4129436.8	0.00107	0.000695	0.000588	0.00107	0.00021
594963.52	4129489.06	0.000826	0.000538	0.000454	0.000826	0.00017
594998.39	4129487.22	0.000751	0.000489	0.000414	0.000751	0.00015
594947.7	4129488.63	0.000871	0.000566	0.000479	0.000871	0.00017
594915.56	4129487.95	0.000974	0.000633	0.000535	0.000974	0.00019
594781	4129485.68	0.001361	0.000881	0.000745	0.001361	0.00027
595137.88	4129477.6	0.000658	0.000431	0.000365	0.000658	0.00013
595120.48	4129450.25	0.000704	0.000461	0.00039	0.000704	0.00014
595175.68	4129446.72	0.000693	0.000455	0.000385	0.000693	0.00014
595301.08	4129559.26	0.000518	0.000342	0.000289	0.000518	0.00010
594831.76	4129486.38	0.001256	0.000814	0.000688	0.001256	0.00025
595044.38	4129341.64	0.000973	0.000635	0.000537	0.000973	0.00019
594816.63	4129485.43	0.001296	0.00084	0.00071	0.001296	0.00026
595158.18	4129478.49	0.000652	0.000428	0.000362	0.000652	0.00013
595211.37	4129485.99	0.000627	0.000413	0.000349	0.000627	0.00013

595225.3	4129500.11	0.000605	0.000399	0.000337	0.000605	0.00012
595152.74	4129448.92	0.000697	0.000457	0.000387	0.000697	0.00014
595341.13	4129562.02	0.000498	0.000331	0.000279	0.000498	0.00010
595077.18	4129350.52	0.000921	0.000602	0.000509	0.000921	0.00018
595174.06	4129476.72	0.00065	0.000427	0.000361	0.00065	0.00013
595193.28	4129481.58	0.000638	0.00042	0.000355	0.000638	0.00013
595367.41	4129555.23	0.000495	0.00033	0.000279	0.000495	0.00010
595420.58	4129543.73	0.000493	0.000332	0.00028	0.000493	0.00010
595315.46	4129536.06	0.000535	0.000355	0.0003	0.000535	0.00011
595477.45	4129540.62	0.000488	0.000334	0.000282	0.000488	0.00010
595396.15	4129564.98	0.000479	0.00032	0.00027	0.000479	0.00010
595353.82	4129526.46	0.000526	0.000351	0.000297	0.000526	0.00011
595394.78	4129535.18	0.000505	0.000338	0.000286	0.000505	0.00010
595330.8	4129498.57	0.000567	0.000377	0.000319	0.000567	0.00011
595475.42	4129559.86	0.000469	0.000318	0.000269	0.000469	0.00009
595419.83	4129565.95	0.000474	0.000317	0.000268	0.000474	0.00009
595392.86	4129507.11	0.000531	0.000358	0.000302	0.000531	0.00011
595417.79	4129513.03	0.000522	0.000353	0.000299	0.000522	0.00010
595360.09	4129499.09	0.000551	0.000369	0.000312	0.000551	0.00011
594801.31	4129435.64	0.00149	0.000965	0.000816	0.00149	0.00030
594867.73	4129437.09	0.001265	0.00082	0.000693	0.001265	0.00025
594899.24	4129405.96	0.001215	0.000788	0.000666	0.001215	0.00024
594899.24	4129433.32	0.001147	0.000745	0.000629	0.001147	0.00023
594965.89	4129410.32	0.00096	0.000625	0.000528	0.00096	0.00019
594965.89	4129437.68	0.000906	0.00059	0.000499	0.000906	0.00018
594949.1	4129408.18	0.001016	0.000661	0.000558	0.001016	0.00020
594949.1	4129435.54	0.00096	0.000624	0.000528	0.00096	0.00019
594123.36	4128193.08	0.000497	0.000335	0.000283	0.000497	0.00010
594125.98	4128217.36	0.000531	0.000354	0.0003	0.000531	0.00011
594125.98	4128234.55	0.000558	0.000371	0.000313	0.000558	0.00011
594154.37	4128235.67	0.00057	0.000379	0.00032	0.00057	0.00011
594155.86	4128216.99	0.00054	0.000361	0.000306	0.00054	0.00011
594156.23	4128199.06	0.000515	0.000347	0.000293	0.000515	0.00010
594084.14	4128215.87	0.000514	0.000342	0.000289	0.000514	0.00010
594077.04	4128225.58	0.000526	0.000349	0.000295	0.000526	0.00011
594080.03	4128244.63	0.000557	0.000368	0.000311	0.000557	0.00011
594204.79	4128164.7	0.000492	0.00034	0.000287	0.000492	0.00010
594204.79	4128184.49	0.000512	0.000349	0.000295	0.000512	0.00010
594240.28	4128166.19	0.000502	0.000347	0.000293	0.000502	0.00010

594240.28	4128184.87	0.000522	0.000356	0.000301	0.000522	0.00010
594238.04	4128199.81	0.000542	0.000366	0.00031	0.000542	0.00011
594204.79	4128205.04	0.000539	0.000363	0.000307	0.000539	0.00011
594201.81	4128219.98	0.000561	0.000375	0.000317	0.000561	0.00011
594203.3	4128236.42	0.00059	0.000393	0.000332	0.00059	0.00012
594238.04	4128218.49	0.000571	0.000383	0.000323	0.000571	0.00011
594241.78	4128235.3	0.000602	0.000402	0.000339	0.000602	0.00012
594292.2	4128166.94	0.000511	0.000354	0.000299	0.000511	0.00010
594291.05	4128204.51	0.000562	0.000379	0.000321	0.000562	0.00011
594290.37	4128187.64	0.000536	0.000365	0.000309	0.000536	0.00011
594292.54	4128238.87	0.000627	0.000418	0.000353	0.000627	0.00013
594291.87	4128222	0.000593	0.000397	0.000336	0.000593	0.00012
594325.04	4128258.3	0.000683	0.000453	0.000383	0.000683	0.00014
594324.36	4128241.43	0.000642	0.000428	0.000361	0.000642	0.00013
594325.41	4128220.2	0.000596	0.0004	0.000338	0.000596	0.00012
594324.74	4128203.33	0.000564	0.000382	0.000323	0.000564	0.00011
594323.17	4128186.2	0.000537	0.000366	0.00031	0.000537	0.00011
594322.5	4128169.33	0.000514	0.000356	0.000301	0.000514	0.00010
594369.12	4128259.42	0.0007	0.000464	0.000393	0.0007	0.00014
594368.44	4128242.55	0.000653	0.000435	0.000368	0.000653	0.00013
594369.87	4128221.69	0.000602	0.000404	0.000342	0.000602	0.00012
594369.19	4128204.82	0.000567	0.000383	0.000324	0.000567	0.00011
594400.12	4128260.17	0.000708	0.00047	0.000397	0.000708	0.00014
594399.45	4128243.3	0.000657	0.000438	0.00037	0.000657	0.00013
594401.24	4128223.93	0.000605	0.000406	0.000344	0.000605	0.00012
594400.57	4128207.06	0.000566	0.000383	0.000324	0.000566	0.00011
594371.02	4128185.99	0.000532	0.000364	0.000308	0.000532	0.00011
594446.85	4128235.67	0.000627	0.00042	0.000355	0.000627	0.00013
594448.34	4128259.58	0.0007	0.000466	0.000394	0.0007	0.00014
594465.15	4128255.84	0.000683	0.000456	0.000385	0.000683	0.00014
594239.44	4128279.33	0.000699	0.000461	0.00039	0.000699	0.00014
594237.57	4128294.65	0.000738	0.000486	0.000411	0.000738	0.00015
594237.94	4128312.58	0.00079	0.000518	0.000438	0.00079	0.00016
594237.19	4128327.52	0.000836	0.000547	0.000463	0.000836	0.00017
594202.73	4128279.8	0.000681	0.000449	0.000379	0.000681	0.00014
594200.87	4128295.12	0.000718	0.000472	0.000399	0.000718	0.00014
594201.24	4128313.05	0.000766	0.000502	0.000424	0.000766	0.00015
594203.99	4128327.12	0.000808	0.000529	0.000447	0.000808	0.00016
594156.41	4128278.68	0.000655	0.000431	0.000365	0.000655	0.00013

594154.54	4128294	0.000688	0.000452	0.000382	0.000688	0.00014
594154.92	4128311.93	0.000731	0.000479	0.000405	0.000731	0.00015
594154.17	4128326.87	0.000767	0.000502	0.000425	0.000767	0.00015
594116.44	4128279.8	0.000636	0.000419	0.000354	0.000636	0.00013
594114.57	4128295.12	0.000667	0.000438	0.00037	0.000667	0.00013
594114.95	4128313.05	0.000706	0.000462	0.000391	0.000706	0.00014
594114.2	4128327.99	0.000739	0.000483	0.000409	0.000739	0.00015
594283.66	4128296.51	0.000772	0.000508	0.000429	0.000772	0.00015
594283.68	4128309.94	0.000814	0.000534	0.000452	0.000814	0.00016
594282.98	4128324.63	0.000864	0.000566	0.000479	0.000864	0.00017
594282.23	4128339.57	0.000919	0.000601	0.000508	0.000919	0.00018
594326.57	4128303.53	0.000822	0.00054	0.000457	0.000822	0.00016
594283.41	4128281.6	0.000728	0.00048	0.000406	0.000728	0.00015
594326.97	4128334.89	0.000943	0.000617	0.000522	0.000943	0.00019
594313.27	4128335.25	0.000932	0.00061	0.000516	0.000932	0.00019
594357.93	4128334.55	0.00097	0.000635	0.000537	0.00097	0.00019
594344.23	4128334.92	0.000959	0.000628	0.000531	0.000959	0.00019
594325.72	4128356.04	0.001037	0.000677	0.000572	0.001037	0.00021
594312.02	4128356.41	0.001022	0.000668	0.000564	0.001022	0.00020
594356.68	4128355.7	0.00107	0.000699	0.000591	0.00107	0.00021
594342.98	4128356.07	0.001056	0.00069	0.000583	0.001056	0.00021
594385.1	4128356.31	0.001104	0.000722	0.00061	0.001104	0.00022
594371.39	4128356.68	0.001091	0.000713	0.000603	0.001091	0.00022
594416.06	4128355.97	0.001135	0.000742	0.000627	0.001135	0.00023
594402.36	4128356.34	0.001123	0.000734	0.000621	0.001123	0.00022
594385.37	4128334.99	0.000994	0.000651	0.00055	0.000994	0.00020
594371.66	4128335.36	0.000985	0.000645	0.000545	0.000985	0.00020
594416.33	4128334.65	0.001015	0.000665	0.000562	0.001015	0.00020
594402.63	4128335.02	0.001007	0.00066	0.000558	0.001007	0.00020
594430.03	4128355.38	0.001144	0.000749	0.000633	0.001144	0.00023
594430.3	4128334.06	0.00102	0.000669	0.000565	0.00102	0.00020
594339.75	4128303.14	0.000829	0.000545	0.000461	0.000829	0.00017
594352.16	4128303.71	0.000839	0.000552	0.000466	0.000839	0.00017
594312.76	4128303.7	0.000813	0.000534	0.000452	0.000813	0.00016
594380.47	4128302.9	0.000852	0.00056	0.000473	0.000852	0.00017
594393.65	4128302.51	0.000856	0.000563	0.000476	0.000856	0.00017
594412.26	4128302.54	0.000863	0.000568	0.00048	0.000863	0.00017
594366.66	4128303.06	0.000845	0.000556	0.00047	0.000845	0.00017
594427.77	4128304.53	0.000875	0.000576	0.000487	0.000875	0.00017

594441.74	4128303.94	0.000874	0.000576	0.000487	0.000874	0.00017
594455.26	4128305.32	0.000882	0.000581	0.000491	0.000882	0.00018
594473.08	4128305.05	0.000881	0.000581	0.000491	0.000881	0.00018
594074.7	4128261.48	0.000583	0.000384	0.000325	0.000583	0.00012
594070.34	4128276.85	0.000608	0.0004	0.000338	0.000608	0.00012
594070.34	4128295.44	0.000642	0.000421	0.000356	0.000642	0.00013
594028.36	4128311.96	0.000644	0.000422	0.000357	0.000644	0.00013
594051.3	4128317.92	0.000671	0.000439	0.000371	0.000671	0.00013
594068.96	4128323.43	0.000694	0.000454	0.000384	0.000694	0.00014
594715.3	4128299.81	0.002992	0.002073	0.001753	0.002992	0.00060
594727.32	4128298.74	0.003247	0.002198	0.001858	0.003247	0.00065
594740.08	4128298.51	0.003613	0.002411	0.002038	0.003613	0.00072
594753.54	4128298.74	0.004091	0.002703	0.002285	0.004091	0.00082
594739.71	4128353.69	0.005984	0.003942	0.003332	0.005984	0.00120
594752.48	4128353.46	0.006792	0.004448	0.00376	0.006792	0.00136
594765.93	4128353.69	0.007719	0.005033	0.004255	0.007719	0.00154
594773.9	4128358.74	0.008568	0.005574	0.004712	0.008568	0.00171
594786.67	4128358.51	0.009616	0.006244	0.005278	0.009616	0.00192
594800.12	4128358.74	0.010638	0.006897	0.005829	0.010638	0.00213
594812.29	4128360.84	0.011735	0.007601	0.006424	0.011735	0.00235
594825.75	4128361.07	0.012638	0.008179	0.006913	0.012638	0.00253
594845.57	4128365.89	0.014441	0.009337	0.007892	0.014441	0.00289
594859.02	4128366.12	0.015178	0.009811	0.008292	0.015178	0.00304
594803.25	4128299.49	0.006248	0.004066	0.003437	0.006248	0.00125
594801.87	4128326.74	0.007879	0.005118	0.004326	0.007879	0.00158
594801.87	4128339.3	0.008869	0.005756	0.004866	0.008869	0.00177
594803.02	4128311.25	0.006906	0.00449	0.003795	0.006906	0.00138
594790.8	4128341.22	0.008349	0.005425	0.004586	0.008349	0.00167
594823.23	4128330.04	0.009271	0.006008	0.005079	0.009271	0.00185
594823.23	4128342.6	0.010425	0.006753	0.005708	0.010425	0.00208
594824.38	4128314.55	0.008122	0.005267	0.004452	0.008122	0.00162
594860.1	4128325.99	0.010651	0.006891	0.005825	0.010651	0.00213
594859.41	4128341.54	0.012157	0.007862	0.006645	0.012157	0.00243
594847.25	4128321.72	0.009716	0.00629	0.005317	0.009716	0.00194
594880.14	4128351.38	0.014237	0.009201	0.007777	0.014237	0.00285
594880.14	4128363.94	0.015884	0.010263	0.008675	0.015884	0.00318
594881.28	4128335.89	0.012527	0.008098	0.006845	0.012527	0.00251
594881.09	4128322.58	0.011215	0.007252	0.00613	0.011215	0.00224
594882.24	4128307.09	0.009948	0.006435	0.005439	0.009948	0.00199



594853.17	4128299.79	0.008328	0.005395	0.00456	0.008328	0.00167
594841.78	4128299.58	0.007863	0.005097	0.004308	0.007863	0.00157
594864.69	4128299.69	0.008759	0.005671	0.004793	0.008759	0.00175
594914.48	4128370.74	0.018062	0.011664	0.009859	0.018062	0.00361
594914.48	4128383.3	0.020026	0.012931	0.01093	0.020026	0.00401
594914.02	4128355.68	0.015976	0.010319	0.008722	0.015976	0.00320
594914.94	4128341.45	0.01429	0.009232	0.007803	0.01429	0.00286
594915.4	4128328.83	0.012963	0.008376	0.00708	0.012963	0.00259
594910.81	4128299.69	0.010272	0.006642	0.005614	0.010272	0.00205
594924.35	4128299.46	0.010608	0.006857	0.005796	0.010608	0.00212
594938.8	4128299.69	0.010959	0.007082	0.005986	0.010959	0.00219
594950.97	4128303.13	0.011471	0.007412	0.006265	0.011471	0.00229
594742.21	4128451.06	0.022373	0.014497	0.012254	0.022373	0.00447
594756.79	4128451.81	0.026184	0.016941	0.01432	0.026184	0.00524
594772.85	4128452.93	0.029962	0.019368	0.01637	0.029962	0.00599
594792.28	4128453.67	0.03336	0.021551	0.018215	0.03336	0.00667
594806.11	4128453.67	0.03492	0.022552	0.019062	0.03492	0.00698
594821.43	4128454.05	0.03627	0.023419	0.019795	0.03627	0.00725
594842.36	4128455.92	0.038003	0.024532	0.020736	0.038003	0.00760
594855.81	4128461.15	0.04052	0.026154	0.022106	0.04052	0.00810
594871.87	4128467.5	0.042863	0.027663	0.023382	0.042863	0.00857
594804.99	4128494.4	0.063225	0.040806	0.034491	0.063225	0.01265
594814.7	4128487.3	0.05666	0.036569	0.03091	0.05666	0.01133
594826.29	4128476.84	0.049057	0.031664	0.026764	0.049057	0.00981
594829.65	4128505.61	0.070042	0.045196	0.038202	0.070042	0.01401
594841.23	4128496.65	0.061388	0.039613	0.033482	0.061388	0.01228
594854.69	4128486.18	0.053335	0.034418	0.029092	0.053335	0.01067
594890.82	4128577.25	0.102162	0.06591	0.05571	0.102162	0.02043
594902.32	4128588.75	0.102185	0.065927	0.055724	0.102185	0.02044
594913.18	4128600.89	0.101618	0.065563	0.055416	0.101618	0.02032
594902.06	4128562.56	0.086378	0.055728	0.047103	0.086378	0.01728
594913.57	4128574.06	0.086895	0.056062	0.047386	0.086895	0.01738
594924.43	4128586.2	0.086888	0.056058	0.047382	0.086888	0.01738
594943.24	4128641.96	0.093944	0.060618	0.051236	0.093944	0.01879
594916.1	4128666.97	0.133663	0.08625	0.072901	0.133663	0.02673
594927.17	4128654.17	0.113721	0.07338	0.062023	0.113721	0.02274
594957.7	4128630.49	0.080389	0.051871	0.043843	0.080389	0.01608
594964.69	4128642.88	0.077249	0.049848	0.042133	0.077249	0.01545
594977.71	4128652.73	0.068785	0.044388	0.037519	0.068785	0.01376

594970.41	4128622.55	0.071172	0.045924	0.038817	0.071172	0.01423
594981.84	4128615.88	0.064265	0.041468	0.03505	0.064265	0.01285
594988.83	4128606.35	0.059934	0.038673	0.032688	0.059934	0.01199
594988.51	4128641.61	0.062369	0.040248	0.034019	0.062369	0.01247
595001.53	4128630.49	0.055814	0.036017	0.030443	0.055814	0.01116
594813.87	4128831.08	0.036636	0.023647	0.019987	0.036636	0.00733
594828.18	4128830.83	0.03311	0.021375	0.018067	0.03311	0.00662
594852.69	4128831.18	0.02674	0.017272	0.014599	0.02674	0.00535
594610.06	4128785.72	0.051148	0.032996	0.027889	0.051148	0.01023
594592.81	4128786.36	0.043109	0.027811	0.023507	0.043109	0.00862
594611.14	4128819.74	0.045867	0.029589	0.025009	0.045867	0.00917
594589.57	4128819.84	0.038604	0.024905	0.02105	0.038604	0.00772
594588.48	4128835.99	0.035723	0.023046	0.019479	0.035723	0.00714
594612.24	4128836.53	0.041775	0.026949	0.022778	0.041775	0.00835
594574.44	4128791.98	0.036322	0.023434	0.019807	0.036322	0.00726
594577.14	4128779.29	0.037467	0.024173	0.020432	0.037467	0.00749
594550.94	4128790.9	0.029923	0.019306	0.016318	0.029923	0.00598
594557.96	4128779.56	0.031691	0.020447	0.017283	0.031691	0.00634
594537.98	4128785.23	0.026999	0.017421	0.014725	0.026999	0.00540
594527.72	4128780.37	0.024865	0.016045	0.013561	0.024865	0.00497
594571.47	4128835.72	0.031925	0.020596	0.017409	0.031925	0.00638
594554.99	4128827.89	0.029287	0.018895	0.015971	0.029287	0.00586
594540.68	4128821.41	0.026917	0.017366	0.014679	0.026917	0.00538
594521.24	4128816.28	0.023723	0.015307	0.012938	0.023723	0.00474
594500.45	4128816.01	0.020675	0.013341	0.011276	0.020675	0.00414
594482.9	4128816.01	0.018485	0.011928	0.010082	0.018485	0.00370
594512.33	4128784.69	0.022245	0.014354	0.012133	0.022245	0.00445
594518.81	4128769.84	0.022948	0.014808	0.012516	0.022948	0.00459
594490.46	4128781.18	0.018964	0.012238	0.010344	0.018964	0.00379
594463.46	4128816.55	0.016402	0.010584	0.008946	0.016402	0.00328
594474.8	4128788.2	0.017213	0.011108	0.009389	0.017213	0.00344
594569.94	4128717.94	0.031639	0.020418	0.017258	0.031639	0.00633
594576.93	4128700.78	0.031886	0.020579	0.017394	0.031886	0.00638
594562.95	4128701.42	0.027833	0.017964	0.015184	0.027833	0.00557
594567.4	4128690.62	0.027752	0.017913	0.01514	0.027752	0.00555
594569.3	4128677.59	0.026557	0.017143	0.01449	0.026557	0.00531
594651.12	4128634.24	0.060644	0.039173	0.03311	0.060644	0.01213
594638.83	4128633.85	0.049076	0.031696	0.026791	0.049076	0.00982
594618.73	4128637.95	0.037413	0.02416	0.02042	0.037413	0.00748

594599.61	4128635.02	0.028612	0.018477	0.015617	0.028612	0.00572
594577.18	4128634.44	0.022038	0.014232	0.012029	0.022038	0.00441
594557.86	4128635.02	0.01815	0.011721	0.009907	0.01815	0.00363
594542.45	4128643.61	0.016688	0.010777	0.009109	0.016688	0.00334
594541.86	4128632.1	0.01528	0.009869	0.008342	0.01528	0.00306
594531.43	4128643.7	0.015143	0.009779	0.008266	0.015143	0.00303
594530.84	4128632.19	0.013873	0.00896	0.007574	0.013873	0.00277
594540.11	4128655.31	0.017659	0.011403	0.009638	0.017659	0.00353
594518.69	4128738.15	0.021416	0.013822	0.011682	0.021416	0.00428
594499.87	4128737.46	0.018458	0.011913	0.010069	0.018458	0.00369
594472.79	4128739.52	0.015242	0.009838	0.008315	0.015242	0.00305
594513.64	4128720.93	0.01946	0.01256	0.010616	0.01946	0.00389
594512.27	4128702.11	0.01786	0.011529	0.009745	0.01786	0.00357
594510.66	4128692.01	0.016835	0.010868	0.009186	0.016835	0.00337
594477.61	4128716.57	0.014552	0.009393	0.00794	0.014552	0.00291
594478.52	4128700.28	0.013677	0.00883	0.007463	0.013677	0.00274
594478.75	4128690.18	0.013068	0.008437	0.007131	0.013068	0.00261
594477.26	4128678.47	0.012184	0.007867	0.006649	0.012184	0.00244
594477.49	4128668.37	0.011544	0.007454	0.006301	0.011544	0.00231
594512.95	4128634.86	0.012199	0.00788	0.00666	0.012199	0.00244
594493.21	4128634.4	0.010447	0.006748	0.005704	0.010447	0.00209
594479.9	4128636.24	0.009607	0.006206	0.005246	0.009607	0.00192
594520.41	4128546.93	0.005956	0.003855	0.003258	0.005956	0.00119
594506.37	4128547.06	0.005509	0.003565	0.003014	0.005509	0.00110
594490.43	4128547.26	0.005072	0.003282	0.002774	0.005072	0.00101
594543.41	4128516.78	0.004936	0.0032	0.002704	0.004936	0.00099
594528.11	4128515.67	0.004544	0.002945	0.002489	0.004544	0.00091
594514.07	4128515.8	0.004276	0.002771	0.002342	0.004276	0.00086
594498.14	4128516.01	0.004006	0.002596	0.002194	0.004006	0.00080
594521.34	4128494.93	0.003618	0.002348	0.001984	0.003618	0.00072
594492.14	4128494.79	0.003271	0.002121	0.001793	0.003271	0.00065
594507.26	4128495.18	0.003455	0.002241	0.001895	0.003455	0.00069
594596.96	4128603.83	0.021243	0.013724	0.0116	0.021243	0.00425
594597.02	4128588.09	0.018022	0.011648	0.009845	0.018022	0.00360
594576.88	4128589.98	0.014717	0.009512	0.00804	0.014717	0.00294
594553.64	4128588.55	0.011631	0.007518	0.006354	0.011631	0.00233
594538.01	4128588.04	0.010141	0.006555	0.00554	0.010141	0.00203
594516.04	4128591.11	0.008776	0.005673	0.004795	0.008776	0.00176
594513.59	4128574.71	0.007435	0.004808	0.004064	0.007435	0.00149

594493.57	4128590.27	0.007453	0.004818	0.004072	0.007453	0.00149
594760.51	4128824.14	0.05843	0.037697	0.031862	0.05843	0.01169
594520.63	4128867.68	0.021286	0.013734	0.011609	0.021286	0.00426
594503.08	4128867.68	0.019464	0.012559	0.010615	0.019464	0.00389
594483.64	4128868.22	0.017613	0.011365	0.009606	0.017613	0.00352
594520.63	4128893.02	0.019429	0.012536	0.010596	0.019429	0.00389
594503.08	4128893.02	0.018034	0.011637	0.009836	0.018034	0.00361
594483.64	4128893.56	0.016554	0.010681	0.009028	0.016554	0.00331
594463.73	4128893.02	0.015195	0.009805	0.008288	0.015195	0.00304
594468.42	4128866.12	0.016371	0.010563	0.008929	0.016371	0.00327
594565.38	4128882.18	0.024683	0.015925	0.01346	0.024683	0.00494
594561.5	4128916.3	0.019913	0.012849	0.01086	0.019913	0.00398
594552.23	4128934.41	0.017449	0.011259	0.009516	0.017449	0.00349
594566.42	4128896.15	0.022849	0.014742	0.01246	0.022849	0.00457
594528.39	4128942.69	0.015765	0.010172	0.008598	0.015765	0.00315
594510.84	4128942.69	0.015079	0.00973	0.008224	0.015079	0.00302
594491.4	4128943.23	0.014252	0.009197	0.007773	0.014252	0.00285
594471.41	4128940.8	0.013546	0.008741	0.007388	0.013546	0.00271
594605.25	4128901.88	0.0245	0.015807	0.013361	0.0245	0.00490
594621.14	4128901.88	0.025194	0.016255	0.013739	0.025194	0.00504
594635.12	4128902.2	0.025507	0.016457	0.01391	0.025507	0.00510
594640.52	4128886.63	0.029853	0.019261	0.01628	0.029853	0.00597
594606.52	4128881.86	0.028854	0.018615	0.015734	0.028854	0.00577
594625.27	4128881.86	0.030404	0.019616	0.01658	0.030404	0.00608
594603.03	4128926.98	0.020014	0.012914	0.010915	0.020014	0.00400
594619.87	4128927.61	0.020166	0.013012	0.010998	0.020166	0.00403
594638.29	4128927.3	0.020253	0.013068	0.011046	0.020253	0.00405
594852.47	4128984.02	0.006522	0.004219	0.003566	0.006522	0.00130
594849.93	4128999.27	0.006027	0.003898	0.003295	0.006027	0.00121
594870.26	4128985.29	0.005937	0.003842	0.003248	0.005937	0.00119
594876.3	4129002.45	0.005231	0.003387	0.002862	0.005231	0.00105
594893.77	4129021.83	0.004363	0.002826	0.002389	0.004363	0.00087
594894.41	4129003.08	0.004793	0.003105	0.002625	0.004793	0.00096
595091.6	4128755.33	0.011633	0.007529	0.006364	0.011633	0.00233
595109.41	4128755.33	0.01036	0.006706	0.005668	0.01036	0.00207
595093.43	4128736.06	0.013981	0.009041	0.007642	0.013981	0.00280
595111.25	4128736.06	0.012326	0.007971	0.006738	0.012326	0.00247
595029.54	4128756.5	0.01839	0.011901	0.010059	0.01839	0.00368
595046.67	4128741.76	0.019085	0.012341	0.010431	0.019085	0.00382

594992.37	4128751	0.02883	0.018646	0.01576	0.02883	0.00577
595004.01	4128740.39	0.029575	0.019117	0.016158	0.029575	0.00591
595130.48	4128770.73	0.007902	0.00512	0.004327	0.007902	0.00158
595129.26	4128740.39	0.010521	0.006806	0.005753	0.010521	0.00210
595153.5	4128684.24	0.0139	0.00898	0.00759	0.0139	0.00278
595153.04	4128700.7	0.012457	0.00805	0.006804	0.012457	0.00249
595176.21	4128770.73	0.006257	0.004055	0.003427	0.006257	0.00125
595177.13	4128794.07	0.005183	0.003364	0.002843	0.005183	0.00104
595158.31	4128805.34	0.005147	0.003344	0.002827	0.005147	0.00103
595152.35	4128779.19	0.00655	0.004247	0.003589	0.00655	0.00131
595180.8	4128815.43	0.00436	0.002835	0.002396	0.00436	0.00087
595204.2	4128820.02	0.003869	0.002517	0.002127	0.003869	0.00077
595140.88	4128720.46	0.011587	0.007491	0.006332	0.011587	0.00232
595166.57	4128720.46	0.009865	0.006379	0.005392	0.009865	0.00197
595172.54	4128700.27	0.011035	0.007132	0.006028	0.011035	0.00221
595195.48	4128710.82	0.008942	0.005782	0.004887	0.008942	0.00179
595189.05	4128689.72	0.01071	0.006921	0.00585	0.01071	0.00214
595204.65	4128688.34	0.00985	0.006366	0.005381	0.00985	0.00197
595195.94	4128735.6	0.007447	0.004818	0.004073	0.007447	0.00149
595175.75	4128744.32	0.007756	0.00502	0.004243	0.007756	0.00155
595202.36	4128779.64	0.005183	0.003361	0.002841	0.005183	0.00104
595203.74	4128760.37	0.005947	0.003853	0.003256	0.005947	0.00119
595216.58	4128741.56	0.006419	0.004155	0.003512	0.006419	0.00128
595217.96	4128723.67	0.007232	0.004679	0.003955	0.007232	0.00145
595219.34	4128702.56	0.008278	0.005352	0.004524	0.008278	0.00166
594850.37	4127951.3	0.001109	0.000734	0.000621	0.001109	0.00022
594852.13	4127935.04	0.001047	0.000693	0.000586	0.001047	0.00021
594898.07	4127967.2	0.001441	0.000946	0.0008	0.001441	0.00029
594931.28	4127981.33	0.001735	0.001134	0.000959	0.001735	0.00035
594934.82	4127965.79	0.001642	0.001073	0.000907	0.001642	0.00033
594899.13	4127944.23	0.001313	0.000862	0.000729	0.001313	0.00026
594898.78	4127930.8	0.001239	0.000814	0.000688	0.001239	0.00025
594934.46	4127945.65	0.001505	0.000984	0.000832	0.001505	0.00030
594928.81	4127927.62	0.00137	0.000897	0.000758	0.00137	0.00027
595340	4129093.59	0.001108	0.000754	0.000637	0.001108	0.00022
595349.49	4129109.17	0.00106	0.000724	0.000612	0.00106	0.00021
595373.19	4129128.81	0.000978	0.00067	0.000566	0.000978	0.00020
595405.7	4129155.9	0.000881	0.000605	0.000512	0.000881	0.00018
594828.06	4129208.24	0.002639	0.001708	0.001444	0.002639	0.00053

594853.46	4129207.91	0.002414	0.001564	0.001322	0.002414	0.00048
594825.42	4129228.03	0.002494	0.001615	0.001365	0.002494	0.00050
594850.82	4129227.7	0.002288	0.001482	0.001253	0.002288	0.00046
594827.4	4129248.81	0.002321	0.001503	0.00127	0.002321	0.00046
594852.8	4129248.48	0.002132	0.001381	0.001168	0.002132	0.00043
594896.99	4129195.71	0.002127	0.00138	0.001166	0.002127	0.00043
594922.38	4129195.38	0.001942	0.001261	0.001066	0.001942	0.00039
594891.71	4129220.12	0.002009	0.001303	0.001101	0.002009	0.00040
594917.11	4129219.79	0.001831	0.001189	0.001005	0.001831	0.00037
594891.71	4129241.88	0.001881	0.00122	0.001031	0.001881	0.00038
594917.11	4129241.55	0.001715	0.001114	0.000941	0.001715	0.00034
594893.69	4129262.33	0.00176	0.001142	0.000965	0.00176	0.00035
594919.09	4129262	0.001606	0.001043	0.000881	0.001606	0.00032
594893.36	4129285.74	0.001653	0.001072	0.000906	0.001653	0.00033
594918.76	4129285.41	0.001508	0.000979	0.000827	0.001508	0.00030
594825.75	4129273.54	0.002165	0.001402	0.001185	0.002165	0.00043
594851.15	4129273.21	0.001996	0.001293	0.001093	0.001996	0.00040
594828.06	4129297.28	0.002007	0.0013	0.001099	0.002007	0.00040
594853.46	4129296.95	0.001854	0.001201	0.001015	0.001854	0.00037
595429.03	4129137.08	0.000863	0.000585	0.000494	0.000863	0.00017
595398.56	4129118.5	0.000941	0.000638	0.000539	0.000941	0.00019
595323.48	4128976.53	0.001463	0.000967	0.000817	0.001463	0.00029
595337.6	4128998.08	0.001346	0.000892	0.000754	0.001346	0.00027
595353.21	4129028.56	0.001217	0.00081	0.000685	0.001217	0.00024
594282.32	4128355.01	0.000982	0.000641	0.000542	0.000982	0.00020
594281.57	4128369.95	0.001045	0.000682	0.000576	0.001045	0.00021
594237.72	4128344.51	0.000894	0.000584	0.000494	0.000894	0.00018
594236.97	4128359.46	0.000947	0.000618	0.000522	0.000947	0.00019
594240.34	4128380.37	0.001033	0.000673	0.000569	0.001033	0.00021
594239.59	4128395.32	0.001095	0.000713	0.000603	0.001095	0.00022
594227.72	4128414.08	0.001156	0.000752	0.000636	0.001156	0.00023
595154.49	4128556.43	0.021061	0.013593	0.011489	0.021061	0.00421
595544.9	4129513.26	0.000568	0.000427	0.000361	0.000568	0.00011
595560.09	4129522.66	0.000564	0.000428	0.000362	0.000564	0.00011
595546.35	4129534.23	0.000507	0.000366	0.00031	0.000507	0.00010
595565.51	4129536.76	0.000514	0.000378	0.000319	0.000514	0.00010
595570.93	4129559.54	0.000452	0.000316	0.000267	0.000452	0.00009
595545.62	4129557.37	0.000462	0.000321	0.000271	0.000462	0.00009

1410 South Bascom Avenue Project

Unmitigated

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Construction Schedule

2020  
 8 hours/day  
 5 days/week  
 30.8 weeks/year  
 1232 hours/year  
 154 working days starting 6/1/2020

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2020	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (g/sec)	Annual PM2.5 Total Emissions (g/m2-sec)
	Demolition	1.960E-02	4.013E-03	1.379E-07
	Site Preparation	1.298E-01	2.657E-02	9.132E-07
	Grading	5.390E-02	1.103E-02	3.792E-07
	Building Construction (2020)	2.840E-02	5.814E-03	1.998E-07
<b>Total</b>		<b>2.317E-01</b>	<b>4.743E-02</b>	<b>1.630E-06</b>

Offsite Construction Vehicle PM2.5 Emissions

2020	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)
	Demolition	1.580E-03	0.000E+00	3.200E-04
	Site Preparation	0.000E+00	0.000E+00	7.800E-04
	Grading	1.740E-02	0.000E+00	6.500E-04
	Building Construction (2020)	0.000E+00	1.290E-02	4.310E-02
<b>Total (tons/year)</b>		<b>1.898E-02</b>	<b>1.290E-02</b>	<b>4.485E-02</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
	Project Site> Bascom>Hamilton>CA-17 N (mi)	0.75	0.75	0.75
	Project Site>Southway Express>I-280 (mi)	0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
	Project> Bascom>Hamilton>CA-17 N (tons/year)	3.566E-04	6.641E-04	1.561E-03
	Project>Southway Express>I-280 (tons/year)	3.555E-04	6.620E-04	1.556E-03
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>7.121E-04</b>	<b>1.326E-03</b>	<b>3.116E-03</b>

Offsite Emissions Along Roadway Segment Analyzed	
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	2.581E-03
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	5.284E-04
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	2.573E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	5.268E-04
Total Offsite Project PM2.5 Emissions (tons/year)	5.155E-03
Total Offsite Project PM2.5 Emissions (grams/sec)	1.055E-03

Onsite PM2.5 Emissions (tons/year)	2.317E-01
Total PM2.5 Onsite Emissions (tons/year)	2.317E-01
Onsite PM2.5 Emissions (g/m2-sec)	1.630E-06

<b>Total PM2.5 (tons/year)</b>	<b>2.369E-01</b>
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1410 South Bascom Avenue Project

Unmitigated

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2021  
 8 hours/day  
 5 days/week  
 52.2 weeks/year  
 2088 hours/year  
 261 working days in 2021

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2021	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (g/sec)	Annual PM2.5 Total Emissions (g/m2-sec)
	Building Construction (2021)	1.176E-01	1.421E-02	4.882E-07
<b>Total</b>		<b>1.176E-01</b>	<b>1.421E-02</b>	<b>4.882E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2021	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)
	Building Construction (2021)	0.000E+00	5.420E-02	2.081E-01
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>5.420E-02</b>	<b>2.081E-01</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
	Project Site> Bascom>Hamilton>CA-17 N (mi)	0.75	0.75	0.75
	Project Site>Southway Express>I-280 (mi)	0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
	Project> Bascom>Hamilton>CA-17 N (tons/year)	0.000E+00	2.790E-03	7.241E-03
	Project>Southway Express>I-280 (tons/year)	0.000E+00	2.782E-03	7.219E-03
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>0.000E+00</b>	<b>5.572E-03</b>	<b>1.446E-02</b>

<b>Offsite Emissions Along Roadway Segment Analyzed</b>	
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	1.003E-02
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	1.212E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	1.000E-02
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	1.208E-03
<b>Total Offsite Project PM2.5 Emissions (tons/year)</b>	<b>2.003E-02</b>
<b>Total Offsite Project PM2.5 Emissions (grams/sec)</b>	<b>2.420E-03</b>

Onsite PM2.5 Emissions (tons/year)	1.176E-01
Total PM2.5 Onsite Emissions (tons/year)	1.176E-01
Onsite PM2.5 Emissions (g/m2-sec)	4.882E-07

<b>Total PM2.5 (tons/year)</b>	<b>1.376E-01</b>
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1410 South Bascom Avenue Project

Unmitigated

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Construction Schedule

2022

8 hours/day  
5 days/week  
45.2 weeks/year  
1808 hours/year

226 working days ending 11/14/2022

Onsite Construction Area Source Size (m2):

29,097.7

from AERMOD

Onsite Construction PM2.5 Emissions

2022	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions	Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Building Construction (2022)	7.840E-02	1.094E-02	3.759E-07
	Architectural Coating	2.450E-03	3.418E-04	1.175E-08
	Paving	5.220E-03	7.282E-04	2.503E-08
<b>Total</b>		<b>8.607E-02</b>	<b>1.201E-02</b>	<b>4.126E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2022	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions	Emissions	Emissions
		(tons/year)	(tons/year)	(tons/year)
	Building Construction (2022)	0.000E+00	4.220E-02	1.642E-01
	Architectural Coating	0.000E+00	0.000E+00	9.560E-03
	Paving	0.000E+00	0.000E+00	3.200E-04
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>4.220E-02</b>	<b>1.741E-01</b>

2.163E-01

Trip Distance assumed in CalEEMod (mi)                      20.0                      7.3                      10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi)                      0.75                      0.75                      0.75  
Project Site>Southway Express>I-280 (mi)                      0.75                      0.75                      0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year)                      0.000E+00                      2.172E-03                      6.057E-03  
Project>Southway Express>I-280 (tons/year)                      0.000E+00                      2.166E-03                      6.039E-03

**Total Offsite Emissions Along Segments (tons/year)**                      **0.000E+00**                      **4.338E-03**                      **1.210E-02**

Offsite Emissions Along Roadway Segment Analyzed

Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	8.229E-03
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	1.148E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	8.204E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	1.145E-03
<b>Total Offsite Project PM2.5 Emissions (tons/year)</b>	<b>1.643E-02</b>
<b>Total Offsite Project PM2.5 Emissions (grams/sec)</b>	<b>2.293E-03</b>

Onsite PM2.5 Emissions (tons/year)	8.607E-02
Total Onsite PM2.5 Emissions (tons/year)	8.607E-02
Onsite PM2.5 Emissions (g/m2-sec)	4.126E-07

**Total PM2.5 (tons/year)**                      **1.025E-01**

# 1410 South Bascom Avenue Project

2020

Unmitigated at Sensitive Receptors

## Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec):	1.6302E-06
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec):	5.28443E-04
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec):	5.26826E-04

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total Annual PM2.5 Total (ug/m3)
		Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00542	0.05879	3.10671E-05	0.03891	2.04988E-05	0.00547
593960.92	4129158.33	3639.06634	0.00593	0.05999	3.17013E-05	0.04232	2.22953E-05	0.00599
594008.73	4129158.33	3982.44153	0.00649	0.06107	3.22720E-05	0.04616	2.43183E-05	0.00655
594056.54	4129158.33	4355.83729	0.00710	0.06204	3.27846E-05	0.05049	2.65995E-05	0.00716
594104.35	4129158.33	4754.1984	0.00775	0.06287	3.32232E-05	0.05540	2.91862E-05	0.00781
594152.16	4129158.33	5171.19628	0.00843	0.06352	3.35667E-05	0.06096	3.21153E-05	0.00850
594199.97	4129158.33	5594.53203	0.00912	0.06388	3.37569E-05	0.06725	3.54291E-05	0.00919
594247.78	4129158.33	6004.09246	0.00979	0.06386	3.37463E-05	0.07437	3.91801E-05	0.00986
594295.59	4129158.33	6373.51698	0.01039	0.06345	3.35297E-05	0.08239	4.34052E-05	0.01047
594343.4	4129158.33	6674.07426	0.01088	0.06275	3.31598E-05	0.09131	4.81045E-05	0.01096
594391.21	4129158.33	6873.62872	0.01121	0.06185	3.26842E-05	0.10136	5.33991E-05	0.01129
594439.02	4129158.33	6951.56549	0.01133	0.06065	3.20500E-05	0.11262	5.93312E-05	0.01142
594486.83	4129158.33	6904.49051	0.01126	0.05898	3.11675E-05	0.12517	6.59429E-05	0.01135
594534.64	4129158.33	6727.25386	0.01097	0.05686	3.00472E-05	0.13927	7.33711E-05	0.01107
594582.45	4129158.33	6415.33047	0.01046	0.05494	2.90326E-05	0.15543	8.18846E-05	0.01057
594630.26	4129158.33	6008.16583	0.00979	0.05443	2.87631E-05	0.17405	9.16941E-05	0.00991
593913.11	4129192.59	3270.19406	0.00533	0.05557	2.93656E-05	0.03989	2.10151E-05	0.00538
593960.92	4129192.59	3555.71462	0.00580	0.05649	2.98517E-05	0.04330	2.28116E-05	0.00585
594008.73	4129192.59	3863.7514	0.00630	0.05727	3.02639E-05	0.04710	2.48135E-05	0.00635
594056.54	4129192.59	4191.06421	0.00683	0.05791	3.06021E-05	0.05139	2.70736E-05	0.00689
594104.35	4129192.59	4533.29631	0.00739	0.05844	3.08822E-05	0.05623	2.96234E-05	0.00745
594152.16	4129192.59	4880.00864	0.00796	0.05879	3.10671E-05	0.06166	3.24841E-05	0.00802
594199.97	4129192.59	5217.3588	0.00851	0.05890	3.11253E-05	0.06775	3.56925E-05	0.00857
594247.78	4129192.59	5526.09506	0.00901	0.05871	3.10249E-05	0.07458	3.92907E-05	0.00908
594295.59	4129192.59	5783.66201	0.00943	0.05823	3.07712E-05	0.08220	4.33051E-05	0.00950
594343.4	4129192.59	5967.64393	0.00973	0.05754	3.04066E-05	0.09067	4.77674E-05	0.00981
594391.21	4129192.59	6063.44808	0.00988	0.05668	2.99521E-05	0.10005	5.27090E-05	0.00997
594439.02	4129192.59	6063.30313	0.00988	0.05553	2.93444E-05	0.11042	5.81722E-05	0.00997
594486.83	4129192.59	5968.23517	0.00973	0.05391	2.84883E-05	0.12199	6.42676E-05	0.00982
594534.64	4129192.59	5779.52334	0.00942	0.05194	2.74473E-05	0.13496	7.11005E-05	0.00952
594582.45	4129192.59	5495.75797	0.00896	0.05029	2.65754E-05	0.14963	7.88290E-05	0.00906
594630.26	4129192.59	5152.86778	0.00840	0.04996	2.64010E-05	0.16629	8.76060E-05	0.00851
593913.11	4129226.85	3196.35742	0.00521	0.05249	2.77379E-05	0.04073	2.14576E-05	0.00526
593960.92	4129226.85	3454.53449	0.00563	0.05317	2.80973E-05	0.04413	2.32488E-05	0.00568
594008.73	4129226.85	3726.98995	0.00608	0.05368	2.83668E-05	0.04787	2.52192E-05	0.00613
594056.54	4129226.85	4010.32013	0.00654	0.05400	2.85359E-05	0.05210	2.74477E-05	0.00659
594104.35	4129226.85	4298.33572	0.00701	0.05428	2.86839E-05	0.05684	2.99448E-05	0.00707
594152.16	4129226.85	4579.67319	0.00747	0.05442	2.87578E-05	0.06212	3.27265E-05	0.00753
594199.97	4129226.85	4840.4703	0.00789	0.05437	2.87314E-05	0.06800	3.58242E-05	0.00796
594247.78	4129226.85	5063.63373	0.00825	0.05409	2.85835E-05	0.07452	3.92591E-05	0.00832
594295.59	4129226.85	5231.96273	0.00853	0.05360	2.83245E-05	0.08174	4.30628E-05	0.00860
594343.4	4129226.85	5331.45972	0.00869	0.05294	2.79757E-05	0.08970	4.72563E-05	0.00877
594391.21	4129226.85	5357.84087	0.00873	0.05221	2.75900E-05	0.09845	5.18661E-05	0.00881
594439.02	4129226.85	5312.73141	0.00866	0.05109	2.69981E-05	0.10809	5.69447E-05	0.00874
594486.83	4129226.85	5198.54687	0.00847	0.04952	2.61685E-05	0.11878	6.25764E-05	0.00856
594534.64	4129226.85	5014.19751	0.00817	0.04770	2.52067E-05	0.13071	6.88615E-05	0.00827
594582.45	4129226.85	4758.88666	0.00776	0.04628	2.44563E-05	0.14412	7.59262E-05	0.00786
594630.26	4129226.85	4464.94665	0.00728	0.04609	2.43559E-05	0.15928	8.39129E-05	0.00739
593913.11	4129261.11	3108.59307	0.00507	0.04951	2.61632E-05	0.04137	2.17948E-05	0.00512
593960.92	4129261.11	3338.75679	0.00544	0.04996	2.64010E-05	0.04475	2.35755E-05	0.00549
594008.73	4129261.11	3577.63236	0.00583	0.05028	2.65701E-05	0.04849	2.55458E-05	0.00588
594056.54	4129261.11	3819.32836	0.00623	0.05044	2.66546E-05	0.05264	2.77321E-05	0.00628
594104.35	4129261.11	4055.99067	0.00661	0.05053	2.67022E-05	0.05726	3.01661E-05	0.00667
594152.16	4129261.11	4278.26507	0.00697	0.05051	2.66916E-05	0.06237	3.28582E-05	0.00703
594199.97	4129261.11	4472.72286	0.00729	0.05036	2.66124E-05	0.06801	3.58295E-05	0.00735
594247.78	4129261.11	4625.61491	0.00754	0.05004	2.64433E-05	0.07422	3.91011E-05	0.00761
594295.59	4129261.11	4725.17221	0.00770	0.04958	2.62002E-05	0.08103	4.26887E-05	0.00777
594343.4	4129261.11	4765.32585	0.00777	0.04898	2.58831E-05	0.08850	4.66241E-05	0.00784
594391.21	4129261.11	4748.49589	0.00774	0.04821	2.54762E-05	0.09665	5.09178E-05	0.00782
594439.02	4129261.11	4680.08371	0.00763	0.04719	2.49372E-05	0.10561	5.56381E-05	0.00771
594486.83	4129261.11	4562.2956	0.00744	0.04569	2.41445E-05	0.11555	6.08748E-05	0.00752
594534.64	4129261.11	4390.15529	0.00716	0.04402	2.32620E-05	0.12654	6.66646E-05	0.00725
594582.45	4129261.11	4161.01157	0.00678	0.04279	2.26121E-05	0.13885	7.31498E-05	0.00688

594630.26	4129261.11	3907.88439	0.00637	0.04272	2.25751E-05	0.15267	8.04306E-05	0.00647
593913.11	4129295.37	3010.96052	0.00491	0.04670	2.46783E-05	0.04195	2.21004E-05	0.00496
593960.92	4129295.37	3213.77375	0.00524	0.04697	2.48209E-05	0.04528	2.38547E-05	0.00529
594008.73	4129295.37	3419.17377	0.00557	0.04711	2.48949E-05	0.04896	2.57934E-05	0.00562
594056.54	4129295.37	3621.2328	0.00590	0.04714	2.49108E-05	0.05302	2.79323E-05	0.00596
594104.35	4129295.37	3812.02748	0.00621	0.04707	2.48738E-05	0.05749	3.02873E-05	0.00627
594152.16	4129295.37	3982.19231	0.00649	0.04695	2.48104E-05	0.06241	3.28792E-05	0.00655
594199.97	4129295.37	4120.70662	0.00672	0.04675	2.47047E-05	0.06780	3.57188E-05	0.00678
594247.78	4129295.37	4217.62612	0.00688	0.04644	2.45409E-05	0.07369	3.88218E-05	0.00694
594295.59	4129295.37	4266.54886	0.00696	0.04602	2.43189E-05	0.08011	4.22041E-05	0.00702
594343.4	4129295.37	4267.09931	0.00696	0.04547	2.40283E-05	0.08711	4.58918E-05	0.00703
594391.21	4129295.37	4225.56372	0.00689	0.04476	2.36531E-05	0.09472	4.99010E-05	0.00696
594439.02	4129295.37	4147.26724	0.00676	0.04372	2.31035E-05	0.10305	5.42895E-05	0.00684
594486.83	4129295.37	4032.65954	0.00657	0.04231	2.23584E-05	0.11224	5.91310E-05	0.00666
594534.64	4129295.37	3873.56733	0.00631	0.04079	2.15552E-05	0.12243	6.44994E-05	0.00640
594582.45	4129295.37	3668.65647	0.00598	0.03974	2.10003E-05	0.13374	7.04578E-05	0.00607
594630.26	4129295.37	3451.22474	0.00563	0.03976	2.10109E-05	0.14635	7.71010E-05	0.00572
593913.11	4129329.63	2905.61573	0.00474	0.04408	2.32937E-05	0.04242	2.23480E-05	0.00478
593960.92	4129329.63	3081.42339	0.00502	0.04420	2.33572E-05	0.04569	2.40707E-05	0.00507
594008.73	4129329.63	3255.30194	0.00531	0.04417	2.33413E-05	0.04929	2.59673E-05	0.00536
594056.54	4129329.63	3420.98604	0.00558	0.04408	2.32937E-05	0.05324	2.80482E-05	0.00563
594104.35	4129329.63	3570.71664	0.00582	0.04394	2.32198E-05	0.05755	3.03189E-05	0.00587
594152.16	4129329.63	3695.11204	0.00602	0.04376	2.31246E-05	0.06227	3.28055E-05	0.00608
594199.97	4129329.63	3787.66027	0.00617	0.04354	2.30084E-05	0.06741	3.55134E-05	0.00623
594247.78	4129329.63	3841.94439	0.00626	0.04326	2.28604E-05	0.07298	3.84478E-05	0.00632
594295.59	4129329.63	3855.72439	0.00629	0.04290	2.26702E-05	0.07902	4.16298E-05	0.00635
594343.4	4129329.63	3831.60712	0.00625	0.04239	2.24007E-05	0.08557	4.50805E-05	0.00631
594391.21	4129329.63	3776.7637	0.00616	0.04166	2.20149E-05	0.09268	4.88263E-05	0.00623
594439.02	4129329.63	3697.76168	0.00603	0.04066	2.14865E-05	0.10044	5.29144E-05	0.00610
594486.83	4129329.63	3589.50583	0.00585	0.03933	2.07836E-05	0.10898	5.74135E-05	0.00593
594534.64	4129329.63	3443.27012	0.00561	0.03794	2.00491E-05	0.11840	6.23762E-05	0.00570
594582.45	4129329.63	3259.89454	0.00531	0.03706	1.95841E-05	0.12883	6.78710E-05	0.00540
594630.26	4129329.63	3070.55961	0.00501	0.03714	1.96264E-05	0.14040	7.39664E-05	0.00510
593913.11	4129363.89	2794.24888	0.00456	0.04161	2.19885E-05	0.04278	2.25376E-05	0.00460
593960.92	4129363.89	2944.73706	0.00480	0.04157	2.19674E-05	0.04599	2.42287E-05	0.00485
594008.73	4129363.89	3088.82511	0.00504	0.04146	2.19092E-05	0.04949	2.60726E-05	0.00508
594056.54	4129363.89	3220.72969	0.00525	0.04127	2.18088E-05	0.05331	2.80851E-05	0.00530
594104.35	4129363.89	3333.93858	0.00543	0.04107	2.17031E-05	0.05746	3.02714E-05	0.00549
594152.16	4129363.89	3421.32	0.00558	0.04087	2.15974E-05	0.06197	3.26474E-05	0.00563
594199.97	4129363.89	3477.31754	0.00567	0.04065	2.14812E-05	0.06684	3.52131E-05	0.00573
594247.78	4129363.89	3499.23104	0.00570	0.04041	2.13544E-05	0.07211	3.79895E-05	0.00576
594295.59	4129363.89	3488.52755	0.00569	0.04008	2.11800E-05	0.07779	4.09818E-05	0.00575
594343.4	4129363.89	3450.45043	0.00562	0.03960	2.09263E-05	0.08392	4.42113E-05	0.00569
594391.21	4129363.89	3393.04883	0.00553	0.03894	2.05776E-05	0.09056	4.77094E-05	0.00560
594439.02	4129363.89	3315.33438	0.00540	0.03792	2.00385E-05	0.09780	5.15236E-05	0.00548
594486.83	4129363.89	3215.0033	0.00524	0.03667	1.93780E-05	0.10573	5.57014E-05	0.00532
594534.64	4129363.89	3079.84599	0.00502	0.03543	1.87227E-05	0.11446	6.03006E-05	0.00510
594582.45	4129363.89	2914.79667	0.00475	0.03469	1.83317E-05	0.12409	6.53739E-05	0.00484
594630.26	4129363.89	2749.90437	0.00448	0.03483	1.84057E-05	0.13471	7.09688E-05	0.00457
593913.11	4129398.15	2679.16588	0.00437	0.03929	2.07625E-05	0.04304	2.26746E-05	0.00441
593960.92	4129398.15	2805.71598	0.00457	0.03916	2.06938E-05	0.04617	2.43236E-05	0.00462
594008.73	4129398.15	2922.43071	0.00476	0.03894	2.05776E-05	0.04957	2.61148E-05	0.00481
594056.54	4129398.15	3024.89769	0.00493	0.03872	2.04613E-05	0.05325	2.80535E-05	0.00498
594104.35	4129398.15	3106.84561	0.00506	0.03849	2.03398E-05	0.05723	3.01503E-05	0.00512
594152.16	4129398.15	3163.25502	0.00516	0.03828	2.02288E-05	0.06152	3.24104E-05	0.00521
594199.97	4129398.15	3191.13432	0.00520	0.03809	2.01284E-05	0.06614	3.48443E-05	0.00526
594247.78	4129398.15	3190.51454	0.00520	0.03788	2.00174E-05	0.07110	3.74574E-05	0.00526
594295.59	4129398.15	3164.98988	0.00516	0.03759	1.98642E-05	0.07644	4.02706E-05	0.00522
594343.4	4129398.15	3120.47854	0.00509	0.03714	1.96264E-05	0.08218	4.32946E-05	0.00515
594391.21	4129398.15	3062.53181	0.00499	0.03648	1.92776E-05	0.08839	4.65662E-05	0.00506
594439.02	4129398.15	2990.52245	0.00488	0.03549	1.87544E-05	0.09514	5.01223E-05	0.00494
594486.83	4129398.15	2896.17219	0.00472	0.03430	1.81256E-05	0.10253	5.40155E-05	0.00479
594534.64	4129398.15	2772.22801	0.00452	0.03319	1.75390E-05	0.11063	5.82828E-05	0.00460
594582.45	4129398.15	2622.96093	0.00428	0.03256	1.72061E-05	0.11951	6.29610E-05	0.00436
594630.26	4129398.15	2478.42565	0.00404	0.03274	1.73012E-05	0.12926	6.80976E-05	0.00413
593913.11	4129432.41	2561.58837	0.00418	0.03712	1.96158E-05	0.04320	2.27589E-05	0.00422
593960.92	4129432.41	2665.18662	0.00434	0.03688	1.94909E-05	0.04625	2.43657E-05	0.00439
594008.73	4129432.41	2758.14131	0.00450	0.03664	1.93621E-05	0.04953	2.60937E-05	0.00454
594056.54	4129432.41	2834.28901	0.00462	0.03638	1.92247E-05	0.05307	2.79587E-05	0.00467
594104.35	4129432.41	2889.27554	0.00471	0.03611	1.90821E-05	0.05688	2.99659E-05	0.00476
594152.16	4129432.41	2920.98242	0.00476	0.03592	1.89817E-05	0.06096	3.21153E-05	0.00481
594199.97	4129432.41	2927.9826	0.00477	0.03575	1.88918E-05	0.06533	3.44176E-05	0.00483
594247.78	4129432.41	2912.20412	0.00475	0.03558	1.88020E-05	0.07001	3.68831E-05	0.00480
594295.59	4129432.41	2878.44793	0.00469	0.03532	1.86646E-05	0.07501	3.95172E-05	0.00475
594343.4	4129432.41	2833.16773	0.00462	0.03492	1.84532E-05	0.08039	4.23516E-05	0.00468
594391.21	4129432.41	2777.68373	0.00453	0.03423	1.80866E-05	0.08619	4.54072E-05	0.00459
594439.02	4129432.41	2710.36066	0.00442	0.03328	1.75866E-05	0.09249	4.87262E-05	0.00448

594486.83	4129432.41	2622.77144	0.00428	0.03217	1.70000E-05	0.09937	5.23507E-05	0.00434
594534.64	4129432.41	2507.0008	0.00409	0.03118	1.64768E-05	0.10689	5.63125E-05	0.00416
594582.45	4129432.41	2371.93398	0.00387	0.03066	1.62020E-05	0.11509	6.06325E-05	0.00394
594630.26	4129432.41	2244.86631	0.00366	0.03087	1.63130E-05	0.12406	6.53581E-05	0.00374
593913.11	4129466.67	2442.81842	0.00398	0.03508	1.85378E-05	0.04329	2.28063E-05	0.00402
593960.92	4129466.67	2526.01782	0.00412	0.03480	1.83898E-05	0.04624	2.43605E-05	0.00416
594008.73	4129466.67	2596.84074	0.00423	0.03452	1.82418E-05	0.04940	2.60252E-05	0.00428
594056.54	4129466.67	2650.6604	0.00432	0.03422	1.80833E-05	0.05279	2.78112E-05	0.00437
594104.35	4129466.67	2684.5211	0.00438	0.03398	1.79565E-05	0.05642	2.97235E-05	0.00442
594152.16	4129466.67	2697.2728	0.00440	0.03380	1.78614E-05	0.06029	3.17624E-05	0.00445
594199.97	4129466.67	2689.52079	0.00438	0.03367	1.77927E-05	0.06442	3.39382E-05	0.00444
594247.78	4129466.67	2664.41613	0.00434	0.03353	1.77187E-05	0.06882	3.62562E-05	0.00440
594295.59	4129466.67	2627.13499	0.00428	0.03329	1.75919E-05	0.07352	3.87323E-05	0.00434
594343.4	4129466.67	2582.61901	0.00421	0.03287	1.73699E-05	0.07856	4.13875E-05	0.00427
594391.21	4129466.67	2531.16316	0.00413	0.03220	1.70158E-05	0.08399	4.42482E-05	0.00419
594439.02	4129466.67	2468.93545	0.00402	0.03130	1.65403E-05	0.08987	4.73459E-05	0.00409
594486.83	4129466.67	2386.32586	0.00389	0.03026	1.59907E-05	0.09627	5.07176E-05	0.00396
594534.64	4129466.67	2278.49181	0.00371	0.02937	1.55204E-05	0.10325	5.43948E-05	0.00378
594582.45	4129466.67	2155.90879	0.00351	0.02894	1.52931E-05	0.11082	5.83829E-05	0.00359
594630.26	4129466.67	2043.86383	0.00333	0.02917	1.51447E-05	0.11906	6.27240E-05	0.00341
594331.14	4128962.5	10756.5275	0.01754	0.11187	5.91169E-05	0.08454	4.45379E-05	0.01764
594357.05	4128962.5	11696.34847	0.01907	0.11295	5.96876E-05	0.09134	4.81203E-05	0.01918
594382.96	4128962.5	12703.20211	0.02071	0.11373	6.00998E-05	0.09884	5.20715E-05	0.02082
594408.87	4128962.5	13767.09477	0.02244	0.11417	6.03323E-05	0.10721	5.64811E-05	0.02256
594434.78	4128962.5	14873.43966	0.02425	0.11424	6.03693E-05	0.11645	6.13489E-05	0.02437
594460.69	4128962.5	15997.35705	0.02608	0.11391	6.01949E-05	0.12673	6.67647E-05	0.02621
594486.6	4128962.5	17102.81083	0.02788	0.11313	5.97827E-05	0.13815	7.27811E-05	0.02801
594331.14	4129004.55	9999.18611	0.01630	0.09806	5.18191E-05	0.08685	4.57549E-05	0.01640
594357.05	4129004.55	10706.43463	0.01745	0.09834	5.19670E-05	0.09342	4.92161E-05	0.01755
594382.96	4129004.55	11430.70746	0.01863	0.09837	5.19829E-05	0.10064	5.30198E-05	0.01874
594408.87	4129004.55	12161.59794	0.01983	0.09814	5.18614E-05	0.10848	5.71501E-05	0.01993
594434.78	4129004.55	12871.48049	0.02098	0.09768	5.16183E-05	0.11716	6.17230E-05	0.02110
594460.69	4129004.55	13538.46813	0.02207	0.09694	5.12272E-05	0.12666	6.67278E-05	0.02219
594486.6	4129004.55	14131.55259	0.02304	0.09590	5.06776E-05	0.13704	7.21963E-05	0.02316
594331.14	4129046.6	9088.17566	0.01482	0.08620	4.55517E-05	0.08831	4.65240E-05	0.01491
594357.05	4129046.6	9587.92969	0.01563	0.08603	4.54619E-05	0.09456	4.98167E-05	0.01573
594382.96	4129046.6	10076.53702	0.01643	0.08569	4.52822E-05	0.10130	5.33675E-05	0.01653
594408.87	4129046.6	10534.37744	0.01717	0.08519	4.50180E-05	0.10867	5.72502E-05	0.01728
594434.78	4129046.6	10949.16801	0.01785	0.08452	4.46640E-05	0.11663	6.14438E-05	0.01796
594460.69	4129046.6	11301.60731	0.01842	0.08367	4.42148E-05	0.12526	6.59903E-05	0.01853
594486.6	4129046.6	11574.10466	0.01887	0.08260	4.36494E-05	0.13455	7.08845E-05	0.01898
594331.14	4129088.65	8128.57624	0.01325	0.07617	4.02515E-05	0.08902	4.68981E-05	0.01334
594357.05	4129088.65	8461.06336	0.01379	0.07580	4.00559E-05	0.09484	4.99642E-05	0.01388
594382.96	4129088.65	8762.1723	0.01428	0.07531	3.97970E-05	0.10114	5.32832E-05	0.01438
594408.87	4129088.65	9023.59971	0.01471	0.07472	3.94852E-05	0.10792	5.68551E-05	0.01481
594434.78	4129088.65	9236.5497	0.01506	0.07402	3.91153E-05	0.11517	6.06746E-05	0.01516
594460.69	4129088.65	9390.17347	0.01531	0.07316	3.86609E-05	0.12296	6.47786E-05	0.01541
594486.6	4129088.65	9747.97718	0.01545	0.07212	3.81113E-05	0.13129	6.91670E-05	0.01556
594331.14	4129130.7	7190.33109	0.01172	0.06774	3.57967E-05	0.08911	4.69455E-05	0.01180
594357.05	4129130.7	7391.18408	0.01205	0.06730	3.5642E-05	0.09455	4.98114E-05	0.01213
594382.96	4129130.7	7558.82749	0.01232	0.06679	3.52947E-05	0.10036	5.28723E-05	0.01241
594408.87	4129130.7	7687.45303	0.01253	0.06619	3.49776E-05	0.10655	5.61334E-05	0.01262
594434.78	4129130.7	7774.89251	0.01267	0.06551	3.46183E-05	0.11312	5.95946E-05	0.01277
594460.69	4129130.7	7814.39426	0.01274	0.06468	3.41797E-05	0.12014	6.32929E-05	0.01284
594486.6	4129130.7	7805.20078	0.01272	0.06368	3.36512E-05	0.12763	6.72389E-05	0.01282
595047.1	4127721.65	1204.3118	0.00196	0.25974	1.37258E-04	0.01305	6.87508E-06	0.00211
595080.55	4127721.65	1313.14356	0.00214	0.25017	1.32200E-04	0.01382	7.28074E-06	0.00228
595047.1	4127745.31	1303.88273	0.00213	0.27822	1.47023E-04	0.01374	7.23860E-06	0.00228
595080.55	4127745.31	1417.93573	0.00231	0.26643	1.40793E-04	0.01450	7.63898E-06	0.00246
595047.1	4127768.97	1410.72275	0.00230	0.29747	1.57196E-04	0.01442	7.59684E-06	0.00246
595080.55	4127768.97	1534.334	0.00250	0.28303	1.49565E-04	0.01525	8.03410E-06	0.00266
595047.1	4127792.63	1531.44199	0.00250	0.31724	1.67643E-04	0.01518	7.99723E-06	0.00267
595080.55	4127792.63	1667.23955	0.00272	0.29973	1.58390E-04	0.01609	8.47664E-06	0.00288
595047.1	4127816.29	1668.40726	0.00272	0.33721	1.78196E-04	0.01605	8.45556E-06	0.00291
595080.55	4127816.29	1813.94437	0.00296	0.31620	1.67094E-04	0.01701	8.96132E-06	0.00313
595047.1	4127839.95	1818.1303	0.00296	0.35691	1.88606E-04	0.01694	8.92444E-06	0.00316
595080.55	4127839.95	1978.03313	0.00322	0.33199	1.75438E-04	0.01801	9.48814E-06	0.00341
595047.1	4127863.61	1986.25787	0.00324	0.37575	1.98562E-04	0.01792	9.44073E-06	0.00345
595080.55	4127863.61	2164.25203	0.00353	0.34660	1.83158E-04	0.01914	1.00835E-05	0.00372
595047.1	4127887.27	2180.53189	0.00355	0.39305	2.07704E-04	0.01904	1.00308E-05	0.00377
595080.55	4127887.27	2368.39745	0.00386	0.35946	1.89954E-04	0.02032	1.07051E-05	0.00406
595047.1	4127910.93	2397.32441	0.00391	0.40804	2.15626E-04	0.02028	1.06840E-05	0.00413
595080.55	4127910.93	2601.8667	0.00424	0.37013	1.95929E-04	0.02182	1.14954E-05	0.00445
595047.1	4127934.59	2642.63382	0.00431	0.42012	2.22009E-04	0.02163	1.13953E-05	0.00454
595080.55	4127934.59	2860.29851	0.00466	0.37825	1.99883E-04	0.02334	1.22961E-05	0.00488
595047.1	4127958.25	2918.94014	0.00476	0.42893	2.26665E-04	0.02333	1.22909E-05	0.00500
595080.55	4127958.25	3151.49857	0.00514	0.38376	2.02795E-04	0.02496	1.31496E-05	0.00535

595047.1	4127981.91	3230.75931	0.00527	0.43446	2.29587E-04	0.02499	1.31654E-05	0.00551
595080.55	4127981.91	3480.02718	0.00567	0.38686	2.04433E-04	0.02678	1.41084E-05	0.00589
595047.1	4128005.57	3585.19424	0.00584	0.43717	2.31019E-04	0.02684	1.41400E-05	0.00609
595080.55	4128005.57	3851.21343	0.00628	0.38798	2.05025E-04	0.02892	1.52358E-05	0.00650
595047.1	4128029.23	3988.82857	0.00650	0.43768	2.31289E-04	0.02899	1.52727E-05	0.00675
595080.55	4128029.23	4270.92812	0.00696	0.38756	2.04803E-04	0.03132	1.65002E-05	0.00718
595047.1	4128052.89	4449.15124	0.00725	0.43657	2.30702E-04	0.03151	1.66003E-05	0.00750
595080.55	4128052.89	4745.99388	0.00774	0.38603	2.03995E-04	0.03392	1.78700E-05	0.00796
594886.23	4127719.27	732.95751	0.00119	0.28756	1.51959E-04	0.01016	5.35256E-06	0.00135
594950.74	4127719.27	905.39004	0.00148	0.27979	1.47853E-04	0.01117	5.88465E-06	0.00163
594886.23	4127747.71	797.68447	0.00130	0.32384	1.71131E-04	0.01072	5.64758E-06	0.00148
594950.74	4127747.71	990.89209	0.00162	0.31045	1.64055E-04	0.01181	6.22182E-06	0.00179
594886.23	4127776.15	870.20768	0.00142	0.36520	1.92987E-04	0.01128	5.94260E-06	0.00162
594950.74	4127776.15	1087.27179	0.00177	0.34432	1.81953E-04	0.01248	6.57479E-06	0.00196
594886.23	4127804.59	955.05308	0.00156	0.41202	2.17729E-04	0.01194	6.29031E-06	0.00178
594950.74	4127804.59	1199.00869	0.00195	0.38140	2.01548E-04	0.01323	6.96991E-06	0.00216
594886.23	4127833.03	1051.2182	0.00171	0.46530	2.45884E-04	0.01263	6.65382E-06	0.00197
594950.74	4127833.03	1326.08826	0.00216	0.42169	2.22839E-04	0.01406	7.40718E-06	0.00239
594886.23	4127861.47	1163.64174	0.00190	0.52555	2.77723E-04	0.01341	7.06474E-06	0.00218
594950.74	4127861.47	1471.00302	0.00240	0.46469	2.45625E-04	0.01494	7.87079E-06	0.00265
594886.23	4127889.91	1290.60276	0.00210	0.59333	3.13541E-04	0.01424	7.50201E-06	0.00242
594950.74	4127889.91	1643.50625	0.00268	0.50914	2.69051E-04	0.01597	8.41342E-06	0.00296
594886.23	4127918.35	1440.53068	0.00235	0.66756	3.52767E-04	0.01519	8.00249E-06	0.00271
594950.74	4127918.35	1842.60656	0.00300	0.55279	2.92118E-04	0.01711	9.01400E-06	0.00330
594834.46	4127713.69	599.42186	0.00098	0.28127	1.48635E-04	0.00918	4.83627E-06	0.00113
594862.34	4127713.69	662.24207	0.00108	0.28184	1.48936E-04	0.00952	5.01539E-06	0.00123
594834.46	4127736.34	638.39268	0.00104	0.31171	1.64721E-04	0.00956	5.03646E-06	0.00121
594862.34	4127736.34	707.45587	0.00115	0.31088	1.64282E-04	0.00996	5.24719E-06	0.00132
594834.46	4127758.99	681.3002	0.00111	0.34605	1.82868E-04	0.00998	5.25773E-06	0.00130
594862.34	4127758.99	757.48546	0.00123	0.34333	1.81430E-04	0.01059	5.57909E-06	0.00142
594834.46	4127781.64	729.50679	0.00119	0.38474	2.03313E-04	0.01062	5.59490E-06	0.00140
594862.34	4127781.64	811.14164	0.00132	0.37979	2.00697E-04	0.01102	5.80563E-06	0.00153
594834.46	4127804.29	781.187	0.00127	0.42879	2.26591E-04	0.01106	5.82670E-06	0.00151
594862.34	4127804.29	872.63459	0.00142	0.42037	2.22141E-04	0.01153	6.07431E-06	0.00165
594834.46	4127826.94	840.56372	0.00137	0.47848	2.52849E-04	0.01158	6.10065E-06	0.00163
594862.34	4127826.94	940.11449	0.00153	0.46593	2.46217E-04	0.01205	6.34826E-06	0.00179
594834.46	4127849.59	905.74028	0.00148	0.53521	2.82828E-04	0.01210	6.37460E-06	0.00177
594862.34	4127849.59	1014.2069	0.00165	0.51715	2.73284E-04	0.01259	6.63274E-06	0.00193
594834.46	4127872.24	977.32135	0.00159	0.60021	3.17176E-04	0.01265	6.66435E-06	0.00192
594862.34	4127872.24	1097.14452	0.00179	0.57453	3.03606E-04	0.01318	6.94357E-06	0.00210
594834.46	4127894.89	1057.50765	0.00172	0.67464	3.56508E-04	0.01325	6.98045E-06	0.00209
594862.34	4127894.89	1193.70695	0.00195	0.63839	3.37352E-04	0.01385	7.29655E-06	0.00229
594834.46	4127917.54	1151.1834	0.00188	0.75950	4.01352E-04	0.01393	7.33869E-06	0.00229
594862.34	4127917.54	1301.14574	0.00212	0.70922	3.74782E-04	0.01458	7.68113E-06	0.00250
595026.39	4127722.45	1142.84781	0.00186	0.26595	1.40539E-04	0.01266	6.66962E-06	0.00201
595026.39	4127759.08	1289.7481	0.00210	0.29734	1.57127E-04	0.01363	7.18064E-06	0.00227
595026.39	4127795.71	1464.03341	0.00239	0.33090	1.74862E-04	0.01476	7.77596E-06	0.00257
595026.39	4127832.34	1670.18243	0.00272	0.36561	1.93204E-04	0.01602	8.43976E-06	0.00292
595026.39	4127868.97	1917.42714	0.00313	0.39953	2.11129E-04	0.01748	9.20893E-06	0.00335
595026.39	4127905.6	2218.5195	0.00362	0.42979	2.27119E-04	0.01918	1.01045E-05	0.00385
595026.39	4127942.23	2581.26466	0.00421	0.45310	2.39437E-04	0.02116	1.11476E-05	0.00446
595026.39	4127978.86	3024.00357	0.00493	0.46741	2.46999E-04	0.02348	1.23699E-05	0.00519
595026.39	4128015.49	3565.04646	0.00581	0.47322	2.50070E-04	0.02646	1.39398E-05	0.00608
595026.39	4128052.12	4229.31319	0.00689	0.47302	2.49964E-04	0.02983	1.57152E-05	0.00716
594967.92	4128313.02	16541.43183	0.02697	0.53498	2.82706E-04	0.08094	4.26413E-05	0.02729
594989.44	4128313.02	16854.84939	0.02748	0.48047	2.53901E-04	0.08633	4.54809E-05	0.02778
595010.96	4128313.02	17025.58736	0.02776	0.43373	2.29201E-04	0.09160	4.82573E-05	0.02803
595032.48	4128313.02	17066.0073	0.02782	0.39322	2.07794E-04	0.09659	5.08862E-05	0.02808
595054	4128313.02	16990.30851	0.02770	0.35776	1.89056E-04	0.10117	5.32990E-05	0.02794
595075.52	4128313.02	16813.49288	0.02741	0.32649	1.72531E-04	0.10533	5.54906E-05	0.02764
594967.92	4128341.65	20102.8328	0.03277	0.51959	2.74573E-04	0.09620	5.06807E-05	0.03310
594989.44	4128341.65	20267.42794	0.03304	0.46610	2.46307E-04	0.10243	5.39628E-05	0.03334
595010.96	4128341.65	20261.44809	0.03303	0.42019	2.22046E-04	0.10838	5.70974E-05	0.03331
595032.48	4128341.65	20105.85178	0.03278	0.38037	2.01004E-04	0.11389	6.00003E-05	0.03304
595054	4128341.65	19822.2504	0.03231	0.34551	1.82582E-04	0.11884	6.26081E-05	0.03256
595075.52	4128341.65	19432.18478	0.03168	0.31479	1.66348E-04	0.12322	6.49156E-05	0.03191
594967.92	4128370.28	24513.55515	0.03996	0.50321	2.65918E-04	0.11569	6.09485E-05	0.04029
594989.44	4128370.28	24412.58535	0.03980	0.45082	2.38232E-04	0.12292	6.47575E-05	0.04010
595010.96	4128370.28	24117.51233	0.03932	0.40565	2.14363E-04	0.12954	6.82451E-05	0.03960
595032.48	4128370.28	23659.51281	0.03857	0.36627	1.93553E-04	0.13530	7.12796E-05	0.03883
595054	4128370.28	23072.67444	0.03761	0.33194	1.75411E-04	0.14051	7.40244E-05	0.03786
595075.52	4128370.28	22385.60466	0.03649	0.30183	1.59500E-04	0.14519	7.64899E-05	0.03673
594967.92	4128398.91	29921.98485	0.04878	0.48563	2.56628E-04	0.14086	7.42088E-05	0.04911
594989.44	4128398.91	29378.45114	0.04789	0.43390	2.29291E-04	0.14893	7.84603E-05	0.04820
595010.96	4128398.91	28637.15035	0.04668	0.38938	2.05765E-04	0.15614	8.22587E-05	0.04697
595032.48	4128398.91	27741.07095	0.04522	0.35072	1.85335E-04	0.16242	8.55671E-05	0.04549
595054	4128398.91	26729.61885	0.04357	0.31691	1.67469E-04	0.16773	8.83646E-05	0.04383

595075.52	4128398.91	25638.91294	0.04180	0.28728	1.51811E-04	0.17214	9.06879E-05	0.04204
594967.92	4128427.54	36442.06638	0.05941	0.46655	2.46545E-04	0.17554	9.24791E-05	0.05975
594989.44	4128427.54	35210.63185	0.05740	0.41460	2.19092E-04	0.18341	9.66252E-05	0.05772
595010.96	4128427.54	33815.69897	0.05513	0.37069	1.95888E-04	0.19087	1.00555E-04	0.05542
595032.48	4128427.54	32304.04015	0.05266	0.33259	1.75755E-04	0.19700	1.03785E-04	0.05294
595054	4128427.54	30724.25058	0.05009	0.29956	1.58300E-04	0.20193	1.06382E-04	0.05035
595075.52	4128427.54	29114.00551	0.04746	0.27079	1.43097E-04	0.20565	1.08342E-04	0.04771
595000.73	4128430.99	35205.57503	0.05739	0.38819	2.05136E-04	0.19233	1.01325E-04	0.05770
595032.09	4128430.99	32912.424	0.05365	0.33089	1.74856E-04	0.20173	1.06277E-04	0.05393
595063.45	4128430.99	30487.05172	0.04970	0.28428	1.50226E-04	0.20836	1.09770E-04	0.04996
595000.73	4128448.25	38907.37005	0.06343	0.37546	1.98409E-04	0.21995	1.15875E-04	0.06374
595032.09	4128448.25	35891.60055	0.05851	0.31856	1.68341E-04	0.22827	1.20259E-04	0.05880
595063.45	4128448.25	32848.31361	0.05355	0.27270	1.44106E-04	0.23390	1.23225E-04	0.05382
595000.73	4128465.51	42814.54276	0.06980	0.36143	1.90995E-04	0.25361	1.33608E-04	0.07012
595032.09	4128465.51	38966.57109	0.06352	0.30520	1.61281E-04	0.25918	1.36543E-04	0.06382
595063.45	4128465.51	35223.06874	0.05742	0.26033	1.37569E-04	0.26316	1.38640E-04	0.05770
595056.55	4128477.03	37709.55747	0.06147	0.26077	1.37802E-04	0.28426	1.49756E-04	0.06176
595097.42	4128477.03	32540.89955	0.05305	0.21417	1.13177E-04	0.28272	1.48944E-04	0.05331
595138.29	4128477.03	27935.99348	0.04554	0.17846	9.43059E-05	0.27763	1.46263E-04	0.04578
595056.55	4128506.38	41754.49939	0.06807	0.23755	1.25532E-04	0.35150	1.85179E-04	0.06838
595097.42	4128506.38	35119.54814	0.05725	0.19474	1.02909E-04	0.34023	1.79242E-04	0.05753
595138.29	4128506.38	29460.78009	0.04803	0.16208	8.56500E-05	0.32526	1.71356E-04	0.04828
595185.07	4128542.78	24098.20111	0.03928	0.11801	6.23615E-05	0.35917	1.89220E-04	0.03954
595200.24	4128542.78	22374.12096	0.03647	0.11159	5.89689E-05	0.34935	1.84047E-04	0.03672
595215.41	4128542.78	20783.01697	0.03388	0.10566	5.58352E-05	0.33992	1.79079E-04	0.03412
595230.58	4128542.78	19318.92178	0.03149	0.10028	5.29922E-05	0.33089	1.74322E-04	0.03172
595245.75	4128542.78	17972.54385	0.02930	0.09534	5.03817E-05	0.32239	1.69844E-04	0.02952
595260.92	4128542.78	16733.93174	0.02728	0.09079	4.79773E-05	0.31420	1.65529E-04	0.02749
595276.09	4128542.78	15594.51672	0.02542	0.08659	4.57578E-05	0.30639	1.61414E-04	0.02563
595291.26	4128542.78	14545.85546	0.02371	0.08271	4.37075E-05	0.29888	1.57458E-04	0.02391
595306.43	4128542.78	13580.11812	0.02214	0.07912	4.18104E-05	0.29156	1.53602E-04	0.02233
595321.6	4128542.78	12690.62415	0.02069	0.07577	4.00401E-05	0.28452	1.49893E-04	0.02088
595185.07	4128563.98	23622.66877	0.03851	0.10927	5.77429E-05	0.39103	2.06005E-04	0.03877
595200.24	4128563.98	21840.47853	0.03560	0.10371	5.48048E-05	0.37916	1.99752E-04	0.03586
595215.41	4128563.98	20198.0596	0.03293	0.09848	5.20410E-05	0.36771	1.93719E-04	0.03317
595230.58	4128563.98	18696.63614	0.03048	0.09352	4.94199E-05	0.35665	1.87893E-04	0.03072
595245.75	4128563.98	17326.28086	0.02825	0.08906	4.70631E-05	0.34636	1.82472E-04	0.02847
595260.92	4128563.98	16074.93778	0.02621	0.08494	4.48859E-05	0.33656	1.77309E-04	0.02643
595276.09	4128563.98	14931.91172	0.02434	0.08114	4.28778E-05	0.32730	1.72430E-04	0.02456
595291.26	4128563.98	13886.5965	0.02264	0.07757	4.09913E-05	0.31836	1.67720E-04	0.02285
595306.43	4128563.98	12930.42436	0.02108	0.07432	3.92738E-05	0.30992	1.63274E-04	0.02128
595321.6	4128563.98	12055.43104	0.01965	0.07133	3.76938E-05	0.30196	1.59081E-04	0.01985
595185.07	4128585.18	22758.27007	0.03710	0.10115	5.34520E-05	0.42368	2.23206E-04	0.03738
595200.24	4128585.18	20963.03566	0.03417	0.09631	5.08943E-05	0.40992	2.15957E-04	0.03444
595215.41	4128585.18	19314.43984	0.03149	0.09169	4.84529E-05	0.39643	2.08850E-04	0.03174
595230.58	4128585.18	17815.86469	0.02904	0.08740	4.61859E-05	0.38358	2.02080E-04	0.02929
595245.75	4128585.18	16455.63903	0.02683	0.08329	4.40140E-05	0.37114	1.95526E-04	0.02707
595260.92	4128585.18	15221.56636	0.02481	0.07953	4.20270E-05	0.35953	1.89410E-04	0.02505
595276.09	4128585.18	14101.78812	0.02299	0.07610	4.02145E-05	0.34877	1.83741E-04	0.02321
595291.26	4128585.18	13084.14242	0.02133	0.07291	3.85287E-05	0.33865	1.78410E-04	0.02155
595306.43	4128585.18	12158.65802	0.01982	0.06996	3.69698E-05	0.32903	1.73342E-04	0.02003
595321.6	4128585.18	11316.54041	0.01845	0.06725	3.55378E-05	0.31999	1.68579E-04	0.01865
595185.07	4128606.38	21488.6272	0.03503	0.09348	4.93988E-05	0.45680	2.40654E-04	0.03532
595200.24	4128606.38	19727.39454	0.03216	0.08927	4.71741E-05	0.44114	2.32404E-04	0.03244
595215.41	4128606.38	18130.16873	0.02956	0.08527	4.50603E-05	0.42605	2.24454E-04	0.02983
595230.58	4128606.38	16689.0506	0.02721	0.08155	4.30945E-05	0.41162	2.16852E-04	0.02747
595245.75	4128606.38	15386.342	0.02508	0.07808	4.12608E-05	0.39759	2.09461E-04	0.02533

# 1410 South Bascom Avenue Project

2021

Unmitigated at Sensitive Receptors

## Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec):	4.88204E-07
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec):	1.21169E-03
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec):	1.20798E-03

X (m)	Y (m)	Onsite Annual PM2.5 Total w/Unit Emissions (ug/m3)	Onsite Annual PM2.5 Total w/Actual Emissions (ug/m3)	Offsite CA-17 Segment Annual PM2.5 Total w/Unit Emissions (ug/m3)	Offsite CA-17 Segment Annual PM2.5 Total w/Actual Emissions (ug/m3)	Offsite I-280 Segment Annual PM2.5 Total w/Unit Emissions (ug/m3)	Offsite I-280 Segment Annual PM2.5 Total w/Actual Emissions (ug/m3)	Total Annual PM2.5 Total (ug/m3)
593913.11	4129158.33	3325.66817	0.00162	0.05879	7.12352E-05	0.03891	4.70026E-05	0.00174
593960.92	4129158.33	3639.06634	0.00178	0.05999	7.26892E-05	0.04232	5.11218E-05	0.00190
594008.73	4129158.33	3982.44153	0.00194	0.06107	7.39978E-05	0.04616	5.57605E-05	0.00207
594056.54	4129158.33	4355.83729	0.00213	0.06204	7.51732E-05	0.05049	6.09911E-05	0.00226
594104.35	4129158.33	4754.1984	0.00232	0.06287	7.61789E-05	0.05540	6.69222E-05	0.00246
594152.16	4129158.33	5171.19628	0.00252	0.06352	7.69665E-05	0.06096	7.36386E-05	0.00268
594199.97	4129158.33	5594.53203	0.00273	0.06388	7.74027E-05	0.06725	8.12368E-05	0.00289
594247.78	4129158.33	6004.09246	0.00293	0.06386	7.73784E-05	0.07437	8.98377E-05	0.00310
594295.59	4129158.33	6373.51698	0.00311	0.06345	7.68816E-05	0.08239	9.95257E-05	0.00329
594343.4	4129158.33	6674.07426	0.00326	0.06275	7.60335E-05	0.09131	1.10301E-04	0.00344
594391.21	4129158.33	6873.62872	0.00336	0.06185	7.49429E-05	0.10136	1.22441E-04	0.00355
594439.02	4129158.33	6951.56549	0.00339	0.06065	7.34889E-05	0.11262	1.36043E-04	0.00360
594486.83	4129158.33	6904.49051	0.00337	0.05898	7.14654E-05	0.12517	1.51203E-04	0.00359
594534.64	4129158.33	6727.25386	0.00328	0.05686	6.88966E-05	0.13927	1.68236E-04	0.00352
594582.45	4129158.33	6415.33047	0.00313	0.05494	6.65702E-05	0.15543	1.87757E-04	0.00339
594630.26	4129158.33	6008.16583	0.00293	0.05443	6.59522E-05	0.17405	2.10249E-04	0.00321
593913.11	4129192.59	3270.19406	0.00160	0.05557	6.73335E-05	0.03989	4.81864E-05	0.00171
593960.92	4129192.59	3555.71462	0.00174	0.05649	6.84483E-05	0.04330	5.23057E-05	0.00186
594008.73	4129192.59	3863.7514	0.00189	0.05727	6.93934E-05	0.04710	5.68960E-05	0.00201
594056.54	4129192.59	4191.06421	0.00205	0.05791	7.01689E-05	0.05139	6.20782E-05	0.00218
594104.35	4129192.59	4533.29631	0.00221	0.05844	7.08111E-05	0.05623	6.79249E-05	0.00235
594152.16	4129192.59	4880.00864	0.00238	0.05879	7.12352E-05	0.06166	7.44842E-05	0.00253
594199.97	4129192.59	5127.3588	0.00255	0.05890	7.13684E-05	0.06775	8.18408E-05	0.00270
594247.78	4129192.59	5526.09506	0.00270	0.05871	7.11382E-05	0.07458	9.00914E-05	0.00286
594295.59	4129192.59	5783.66201	0.00282	0.05823	7.05566E-05	0.08220	9.92962E-05	0.00299
594343.4	4129192.59	5967.64393	0.00291	0.05754	6.97206E-05	0.09067	1.09528E-04	0.00309
594391.21	4129192.59	6063.44808	0.00296	0.05668	6.86785E-05	0.10005	1.20859E-04	0.00315
594439.02	4129192.59	6063.30313	0.00296	0.05553	6.72851E-05	0.11042	1.33385E-04	0.00316
594486.83	4129192.59	5968.23517	0.00291	0.05391	6.53221E-05	0.12199	1.47362E-04	0.00313
594534.64	4129192.59	5779.52334	0.00282	0.05194	6.29351E-05	0.13496	1.63029E-04	0.00305
594582.45	4129192.59	5495.75797	0.00268	0.05029	6.09358E-05	0.14963	1.80750E-04	0.00292
594630.26	4129192.59	5152.86778	0.00252	0.04996	6.05360E-05	0.16629	2.00875E-04	0.00278
593913.11	4129226.85	3196.35742	0.00156	0.05249	6.36015E-05	0.04073	4.92011E-05	0.00167
593960.92	4129226.85	3454.53449	0.00169	0.05317	6.44255E-05	0.04413	5.33083E-05	0.00180
594008.73	4129226.85	3726.98995	0.00182	0.05368	6.50434E-05	0.04787	5.78261E-05	0.00194
594056.54	4129226.85	4010.32013	0.00196	0.05400	6.54312E-05	0.05210	6.29359E-05	0.00209
594104.35	4129226.85	4298.33572	0.00210	0.05428	6.57704E-05	0.05684	6.86617E-05	0.00223
594152.16	4129226.85	4579.67319	0.00224	0.05442	6.59401E-05	0.06212	7.50399E-05	0.00238
594199.97	4129226.85	4840.4703	0.00236	0.05437	6.58795E-05	0.06800	8.21428E-05	0.00251
594247.78	4129226.85	5063.63373	0.00247	0.05409	6.55402E-05	0.07452	9.00189E-05	0.00263
594295.59	4129226.85	5231.96273	0.00255	0.05360	6.49465E-05	0.08174	9.87405E-05	0.00272
594343.4	4129226.85	5331.45972	0.00260	0.05294	6.41468E-05	0.08970	1.08356E-04	0.00278
594391.21	4129226.85	5357.84087	0.00262	0.05221	6.32623E-05	0.09845	1.18926E-04	0.00280
594439.02	4129226.85	5312.73141	0.00259	0.05109	6.19052E-05	0.10809	1.30571E-04	0.00279
594486.83	4129226.85	5198.54687	0.00254	0.04952	6.00028E-05	0.11878	1.43484E-04	0.00274
594534.64	4129226.85	5014.19751	0.00245	0.04770	5.77975E-05	0.13071	1.57895E-04	0.00266
594582.45	4129226.85	4758.88666	0.00232	0.04628	5.60769E-05	0.14412	1.74094E-04	0.00255
594630.26	4129226.85	4464.94665	0.00218	0.04609	5.58467E-05	0.15928	1.92408E-04	0.00243
593913.11	4129261.11	3108.59307	0.00152	0.04951	5.99907E-05	0.04137	4.99742E-05	0.00163
593960.92	4129261.11	3338.75679	0.00163	0.04996	6.05360E-05	0.04475	5.40572E-05	0.00174
594008.73	4129261.11	3577.63236	0.00175	0.05028	6.09237E-05	0.04849	5.85751E-05	0.00187
594056.54	4129261.11	3819.32836	0.00186	0.05044	6.11176E-05	0.05264	6.35882E-05	0.00199
594104.35	4129261.11	4055.99067	0.00198	0.05053	6.12266E-05	0.05726	6.91691E-05	0.00211
594152.16	4129261.11	4278.26507	0.00209	0.05051	6.12024E-05	0.06237	7.53419E-05	0.00223
594199.97	4129261.11	4472.72286	0.00218	0.05036	6.10206E-05	0.06801	8.21549E-05	0.00233
594247.78	4129261.11	4625.61491	0.00226	0.05004	6.06329E-05	0.07422	8.96565E-05	0.00241
594295.59	4129261.11	4725.17221	0.00231	0.04958	6.00755E-05	0.08103	9.78828E-05	0.00246
594343.4	4129261.11	4765.32585	0.00233	0.04898	5.93485E-05	0.08850	1.06906E-04	0.00249
594391.21	4129261.11	4748.49589	0.00232	0.04821	5.84155E-05	0.09665	1.16752E-04	0.00249
594439.02	4129261.11	4680.08371	0.00228	0.04719	5.71796E-05	0.10561	1.27575E-04	0.00247
594486.83	4129261.11	4562.2956	0.00223	0.04569	5.53620E-05	0.11555	1.39582E-04	0.00242
594534.64	4129261.11	4390.15529	0.00214	0.04402	5.33385E-05	0.12654	1.52858E-04	0.00235
594582.45	4129261.11	4161.01157	0.00203	0.04279	5.18481E-05	0.13885	1.67728E-04	0.00225

594630.26	4129261.11	3907.88439	0.00191	0.04272	5.17633E-05	0.15267	1.84423E-04	0.00214
593913.11	4129295.37	3010.96052	0.00147	0.04670	5.65859E-05	0.04195	5.06749E-05	0.00158
593960.92	4129295.37	3213.77375	0.00157	0.04697	5.69130E-05	0.04528	5.46975E-05	0.00168
594008.73	4129295.37	3419.17377	0.00167	0.04711	5.70826E-05	0.04896	5.91428E-05	0.00179
594056.54	4129295.37	3621.2328	0.00177	0.04714	5.71190E-05	0.05302	6.40472E-05	0.00189
594104.35	4129295.37	3812.02748	0.00186	0.04707	5.70342E-05	0.05749	6.94469E-05	0.00199
594152.16	4129295.37	3982.19231	0.00194	0.04695	5.68888E-05	0.06241	7.53902E-05	0.00208
594199.97	4129295.37	4120.70662	0.00201	0.04675	5.66464E-05	0.06780	8.19012E-05	0.00215
594247.78	4129295.37	4217.62612	0.00206	0.04644	5.62708E-05	0.07369	8.90163E-05	0.00220
594295.59	4129295.37	4266.54886	0.00208	0.04602	5.57619E-05	0.08011	9.67715E-05	0.00224
594343.4	4129295.37	4267.09931	0.00208	0.04547	5.50955E-05	0.08711	1.05227E-04	0.00224
594391.21	4129295.37	4225.56372	0.00206	0.04476	5.42352E-05	0.09472	1.14420E-04	0.00223
594439.02	4129295.37	4147.26724	0.00202	0.04372	5.29750E-05	0.10305	1.24483E-04	0.00220
594486.83	4129295.37	4032.65954	0.00197	0.04231	5.12665E-05	0.11224	1.35584E-04	0.00216
594534.64	4129295.37	3873.56733	0.00189	0.04079	4.94248E-05	0.12243	1.47893E-04	0.00209
594582.45	4129295.37	3668.65647	0.00179	0.03974	4.81525E-05	0.13374	1.61556E-04	0.00200
594630.26	4129295.37	3451.22474	0.00168	0.03976	4.81767E-05	0.14635	1.76788E-04	0.00191
593913.11	4129329.63	2905.61573	0.00142	0.04408	5.34112E-05	0.04242	5.12426E-05	0.00152
593960.92	4129329.63	3081.42339	0.00150	0.04420	5.35566E-05	0.04569	5.51927E-05	0.00161
594008.73	4129329.63	3255.30194	0.00159	0.04417	5.35203E-05	0.04929	5.95415E-05	0.00170
594056.54	4129329.63	3420.98604	0.00167	0.04408	5.34112E-05	0.05324	6.43130E-05	0.00179
594104.35	4129329.63	3570.71664	0.00174	0.04394	5.32416E-05	0.05755	6.95194E-05	0.00187
594152.16	4129329.63	3695.11204	0.00180	0.04376	5.30235E-05	0.06227	7.52211E-05	0.00193
594199.97	4129329.63	3787.66027	0.00185	0.04354	5.27569E-05	0.06741	8.14301E-05	0.00198
594247.78	4129329.63	3841.94439	0.00188	0.04326	5.24176E-05	0.07298	8.81586E-05	0.00202
594295.59	4129329.63	3855.72439	0.00188	0.04290	5.19814E-05	0.07902	9.54548E-05	0.00203
594343.4	4129329.63	3831.60712	0.00187	0.04239	5.13635E-05	0.08557	1.03367E-04	0.00203
594391.21	4129329.63	3776.7637	0.00184	0.04166	5.04789E-05	0.09268	1.11956E-04	0.00201
594439.02	4129329.63	3697.76168	0.00181	0.04066	4.92673E-05	0.10044	1.21330E-04	0.00198
594486.83	4129329.63	3589.50583	0.00175	0.03933	4.76557E-05	0.10898	1.31646E-04	0.00193
594534.64	4129329.63	3443.27012	0.00168	0.03794	4.59715E-05	0.11840	1.43025E-04	0.00187
594582.45	4129329.63	3259.89454	0.00159	0.03706	4.49052E-05	0.12883	1.55624E-04	0.00179
594630.26	4129329.63	3070.55961	0.00150	0.03714	4.50021E-05	0.14040	1.69601E-04	0.00171
593913.11	4129363.89	2794.24888	0.00136	0.04161	5.04184E-05	0.04278	5.16775E-05	0.00147
593960.92	4129363.89	2944.73706	0.00144	0.04157	5.03699E-05	0.04599	5.55551E-05	0.00154
594008.73	4129363.89	3088.82511	0.00151	0.04146	5.02366E-05	0.04949	5.97831E-05	0.00162
594056.54	4129363.89	3220.72969	0.00157	0.04127	5.00064E-05	0.05331	6.43976E-05	0.00169
594104.35	4129363.89	3333.93858	0.00163	0.04107	4.97640E-05	0.05746	6.94107E-05	0.00175
594152.16	4129363.89	3421.32	0.00167	0.04087	4.95217E-05	0.06197	7.48587E-05	0.00179
594199.97	4129363.89	3477.31754	0.00170	0.04065	4.92551E-05	0.06684	8.07416E-05	0.00183
594247.78	4129363.89	3499.23104	0.00171	0.04041	4.89643E-05	0.07211	8.71076E-05	0.00184
594295.59	4129363.89	3488.52755	0.00170	0.04008	4.85645E-05	0.07779	9.39690E-05	0.00185
594343.4	4129363.89	3450.45043	0.00168	0.03960	4.79829E-05	0.08392	1.01374E-04	0.00183
594391.21	4129363.89	3393.04883	0.00166	0.03894	4.71831E-05	0.09056	1.09395E-04	0.00181
594439.02	4129363.89	3315.33438	0.00162	0.03792	4.59472E-05	0.09780	1.18141E-04	0.00178
594486.83	4129363.89	3215.0033	0.00157	0.03667	4.44326E-05	0.10573	1.27720E-04	0.00174
594534.64	4129363.89	3079.84599	0.00150	0.03543	4.29301E-05	0.11446	1.38266E-04	0.00168
594582.45	4129363.89	2914.79667	0.00142	0.03469	4.20335E-05	0.12409	1.49899E-04	0.00161
594630.26	4129363.89	2749.90437	0.00134	0.03483	4.22031E-05	0.13471	1.62727E-04	0.00155
593913.11	4129398.15	2679.16588	0.00131	0.03929	4.76072E-05	0.04304	5.19916E-05	0.00141
593960.92	4129398.15	2805.71598	0.00137	0.03916	4.74497E-05	0.04617	5.57726E-05	0.00147
594008.73	4129398.15	2922.43071	0.00143	0.03894	4.71831E-05	0.04957	5.98797E-05	0.00153
594056.54	4129398.15	3024.89769	0.00148	0.03872	4.69166E-05	0.05325	6.43251E-05	0.00159
594104.35	4129398.15	3106.84561	0.00152	0.03849	4.66379E-05	0.05723	6.91329E-05	0.00163
594152.16	4129398.15	3163.25502	0.00154	0.03828	4.63834E-05	0.06152	7.43151E-05	0.00167
594199.97	4129398.15	3191.13432	0.00156	0.03809	4.61532E-05	0.06614	7.98960E-05	0.00168
594247.78	4129398.15	3190.51454	0.00156	0.03788	4.58988E-05	0.07110	8.58876E-05	0.00169
594295.59	4129398.15	3164.98988	0.00155	0.03759	4.55474E-05	0.07644	9.23382E-05	0.00168
594343.4	4129398.15	3120.47854	0.00152	0.03714	4.50021E-05	0.08218	9.92720E-05	0.00167
594391.21	4129398.15	3062.53181	0.00150	0.03648	4.42024E-05	0.08839	1.06774E-04	0.00165
594439.02	4129398.15	2990.52245	0.00146	0.03549	4.30028E-05	0.09514	1.14927E-04	0.00162
594486.83	4129398.15	2896.17219	0.00141	0.03430	4.15609E-05	0.10253	1.23854E-04	0.00158
594534.64	4129398.15	2772.22801	0.00135	0.03319	4.02159E-05	0.11063	1.33639E-04	0.00153
594582.45	4129398.15	2622.96093	0.00128	0.03256	3.94526E-05	0.11951	1.44366E-04	0.00146
594630.26	4129398.15	2478.42565	0.00121	0.03274	3.96707E-05	0.12926	1.56144E-04	0.00141
593913.11	4129432.41	2561.58837	0.00125	0.03712	4.49779E-05	0.04320	5.21849E-05	0.00135
593960.92	4129432.41	2665.18662	0.00130	0.03688	4.46871E-05	0.04625	5.58692E-05	0.00140
594008.73	4129432.41	2758.14131	0.00135	0.03664	4.43936E-05	0.04953	5.98314E-05	0.00145
594056.54	4129432.41	2834.28901	0.00138	0.03638	4.40812E-05	0.05307	6.41076E-05	0.00149
594104.35	4129432.41	2889.27554	0.00141	0.03611	4.37541E-05	0.05688	6.87101E-05	0.00152
594152.16	4129432.41	2920.98242	0.00143	0.03592	4.35238E-05	0.06096	7.36386E-05	0.00154
594199.97	4129432.41	2927.9826	0.00143	0.03575	4.33179E-05	0.06533	7.89175E-05	0.00155
594247.78	4129432.41	2912.20412	0.00142	0.03558	4.31119E-05	0.07001	8.45709E-05	0.00155
594295.59	4129432.41	2878.44793	0.00141	0.03532	4.27968E-05	0.07501	9.06108E-05	0.00154
594343.4	4129432.41	2833.16773	0.00138	0.03492	4.23122E-05	0.08039	9.71097E-05	0.00152
594391.21	4129432.41	2777.68373	0.00136	0.03423	4.14761E-05	0.08619	1.04116E-04	0.00150
594439.02	4129432.41	2710.36066	0.00132	0.03328	4.03250E-05	0.09249	1.11726E-04	0.00148



594486.83	4129432.41	2622.77144	0.00128	0.03217	3.89800E-05	0.09937	1.20037E-04	0.00144
594534.64	4129432.41	2507.0008	0.00122	0.03118	3.77804E-05	0.10689	1.29121E-04	0.00139
594582.45	4129432.41	2371.93398	0.00116	0.03066	3.71504E-05	0.11509	1.39027E-04	0.00133
594630.26	4129432.41	2244.86631	0.00110	0.03087	3.74048E-05	0.12406	1.49862E-04	0.00128
593913.11	4129466.67	2442.81842	0.00119	0.03508	4.25060E-05	0.04329	5.22936E-05	0.00129
593960.92	4129466.67	2526.01782	0.00123	0.03480	4.21668E-05	0.04624	5.58571E-05	0.00133
594008.73	4129466.67	2596.84074	0.00127	0.03452	4.18275E-05	0.04940	5.96744E-05	0.00137
594056.54	4129466.67	2650.6604	0.00129	0.03422	4.14640E-05	0.05279	6.37694E-05	0.00140
594104.35	4129466.67	2684.5211	0.00131	0.03398	4.11732E-05	0.05642	6.81544E-05	0.00142
594152.16	4129466.67	2697.2728	0.00132	0.03380	4.09551E-05	0.06029	7.28293E-05	0.00143
594199.97	4129466.67	2689.52079	0.00131	0.03367	4.07976E-05	0.06442	7.78183E-05	0.00143
594247.78	4129466.67	2664.41613	0.00130	0.03353	4.06279E-05	0.06882	8.31334E-05	0.00142
594295.59	4129466.67	2627.13499	0.00128	0.03329	4.03371E-05	0.07352	8.88109E-05	0.00141
594343.4	4129466.67	2582.61901	0.00126	0.03287	3.98282E-05	0.07856	9.48991E-05	0.00140
594391.21	4129466.67	2531.16316	0.00124	0.03220	3.90164E-05	0.08399	1.01458E-04	0.00138
594439.02	4129466.67	2468.93545	0.00121	0.03130	3.79258E-05	0.08987	1.08561E-04	0.00135
594486.83	4129466.67	2386.32586	0.00117	0.03026	3.66657E-05	0.09627	1.16293E-04	0.00132
594534.64	4129466.67	2278.49181	0.00111	0.02937	3.55873E-05	0.10325	1.24724E-04	0.00127
594582.45	4129466.67	2155.90879	0.00105	0.02894	3.50663E-05	0.11082	1.33869E-04	0.00122
594630.26	4129466.67	2043.86383	0.00100	0.02917	3.53450E-05	0.11906	1.43822E-04	0.00118
594331.14	4128962.5	10756.5275	0.00525	0.11187	1.35552E-04	0.08454	1.02123E-04	0.00549
594357.05	4128962.5	11696.34847	0.00571	0.11295	1.36860E-04	0.09134	1.10337E-04	0.00596
594382.96	4128962.5	12703.20211	0.00620	0.11373	1.37805E-04	0.09884	1.19397E-04	0.00646
594408.87	4128962.5	13767.09477	0.00672	0.11417	1.38338E-04	0.10721	1.29508E-04	0.00699
594434.78	4128962.5	14873.43966	0.00726	0.11424	1.38423E-04	0.11645	1.40670E-04	0.00754
594460.69	4128962.5	15997.35705	0.00781	0.11391	1.38023E-04	0.12673	1.53088E-04	0.00810
594486.6	4128962.5	17102.81083	0.00835	0.11313	1.37078E-04	0.13815	1.66883E-04	0.00865
594331.14	4129004.55	9999.18611	0.00488	0.09806	1.18818E-04	0.08685	1.04913E-04	0.00511
594357.05	4129004.55	10706.43463	0.00523	0.09834	1.19157E-04	0.09342	1.12850E-04	0.00546
594382.96	4129004.55	11430.70746	0.00558	0.09837	1.19194E-04	0.10064	1.21571E-04	0.00582
594408.87	4129004.55	12161.59794	0.00594	0.09814	1.18915E-04	0.10848	1.31042E-04	0.00619
594434.78	4129004.55	12871.48049	0.00628	0.09768	1.18358E-04	0.11716	1.41527E-04	0.00654
594460.69	4129004.55	13538.46813	0.00661	0.09694	1.17461E-04	0.12666	1.53003E-04	0.00688
594486.6	4129004.55	14131.55259	0.00690	0.09590	1.16201E-04	0.13704	1.65542E-04	0.00718
594331.14	4129046.6	9088.17566	0.00444	0.08620	1.04448E-04	0.08831	1.06677E-04	0.00465
594357.05	4129046.6	9587.92969	0.00468	0.08603	1.04242E-04	0.09456	1.14227E-04	0.00490
594382.96	4129046.6	10076.53702	0.00492	0.08569	1.03830E-04	0.10130	1.22369E-04	0.00515
594408.87	4129046.6	10534.37744	0.00514	0.08519	1.03224E-04	0.10867	1.31271E-04	0.00538
594434.78	4129046.6	10949.16801	0.00535	0.08452	1.02412E-04	0.11663	1.40887E-04	0.00559
594460.69	4129046.6	11301.60731	0.00552	0.08367	1.01382E-04	0.12526	1.51312E-04	0.00577
594486.6	4129046.6	11574.10466	0.00565	0.08260	1.00085E-04	0.13455	1.62534E-04	0.00591
594331.14	4129088.65	8128.57624	0.00397	0.07617	9.22943E-05	0.08902	1.07535E-04	0.00417
594357.05	4129088.65	8461.06336	0.00413	0.07580	9.18460E-05	0.09484	1.14565E-04	0.00434
594382.96	4129088.65	8762.1723	0.00428	0.07531	9.12523E-05	0.10114	1.22175E-04	0.00449
594408.87	4129088.65	9023.59971	0.00441	0.07472	9.05374E-05	0.10792	1.30366E-04	0.00463
594434.78	4129088.65	9236.5497	0.00451	0.07402	8.96892E-05	0.11517	1.39123E-04	0.00474
594460.69	4129088.65	9390.17347	0.00458	0.07316	8.86471E-05	0.12296	1.48534E-04	0.00482
594486.6	4129088.65	9477.97718	0.00463	0.07212	8.73870E-05	0.13129	1.58596E-04	0.00487
594331.14	4129130.7	7190.33109	0.00351	0.06774	8.20798E-05	0.08911	1.07643E-04	0.00370
594357.05	4129130.7	7391.18408	0.00361	0.06730	8.15466E-05	0.09455	1.14215E-04	0.00380
594382.96	4129130.7	7558.82749	0.00369	0.06679	8.09287E-05	0.10036	1.21233E-04	0.00389
594408.87	4129130.7	7687.45303	0.00375	0.06619	8.02017E-05	0.10655	1.28711E-04	0.00396
594434.78	4129130.7	7774.89251	0.00380	0.06551	7.93777E-05	0.11312	1.36647E-04	0.00401
594460.69	4129130.7	7814.39426	0.00382	0.06468	7.83720E-05	0.12014	1.45127E-04	0.00404
594486.6	4129130.7	7805.20078	0.00381	0.06368	7.71603E-05	0.12763	1.54175E-04	0.00404
595047.1	4127721.65	1204.3118	0.00059	0.25974	3.14724E-04	0.01305	1.57642E-05	0.00092
595080.55	4127721.65	1313.14356	0.00064	0.25017	3.03128E-04	0.01382	1.66943E-05	0.00096
595047.1	4127745.31	1303.88273	0.00064	0.27822	3.37116E-04	0.01374	1.65977E-05	0.00099
595080.55	4127745.31	1417.93573	0.00069	0.26643	3.22830E-04	0.01450	1.75158E-05	0.00103
595047.1	4127768.97	1410.72275	0.00069	0.29747	3.60441E-04	0.01442	1.74191E-05	0.00107
595080.55	4127768.97	1534.334	0.00075	0.28303	3.42944E-04	0.01525	1.84217E-05	0.00111
595047.1	4127792.63	1531.44199	0.00075	0.31724	3.84396E-04	0.01518	1.83372E-05	0.00115
595080.55	4127792.63	1667.23955	0.00081	0.29973	3.63179E-04	0.01609	1.94364E-05	0.00120
595047.1	4127816.29	1668.40726	0.00081	0.33721	4.08593E-04	0.01605	1.93881E-05	0.00124
595080.55	4127816.29	1813.94437	0.00089	0.31620	3.83136E-04	0.01701	2.05478E-05	0.00129
595047.1	4127839.95	1818.1303	0.00089	0.35691	4.32464E-04	0.01694	2.04632E-05	0.00134
595080.55	4127839.95	1978.03313	0.00097	0.33199	4.02268E-04	0.01801	2.17585E-05	0.00139
595047.1	4127863.61	1986.25787	0.00097	0.37575	4.55292E-04	0.01792	2.16471E-05	0.00145
595080.55	4127863.61	2164.25203	0.00106	0.34660	4.19971E-04	0.01914	2.31208E-05	0.00150
595047.1	4127887.27	2180.53189	0.00106	0.39305	4.76254E-04	0.01904	2.30000E-05	0.00156
595080.55	4127887.27	2368.39745	0.00116	0.35946	4.35554E-04	0.02032	2.45462E-05	0.00162
595047.1	4127910.93	2397.32441	0.00117	0.40804	4.94417E-04	0.02028	2.44979E-05	0.00169
595080.55	4127910.93	2601.8667	0.00127	0.37013	4.48482E-04	0.02182	2.63582E-05	0.00175
595047.1	4127934.59	2642.63382	0.00129	0.42012	5.09055E-04	0.02163	2.61287E-05	0.00183
595080.55	4127934.59	2860.29851	0.00140	0.37825	4.58321E-04	0.02334	2.81943E-05	0.00188
595047.1	4127958.25	2918.94014	0.00143	0.42893	5.19730E-04	0.02333	2.81822E-05	0.00197
595080.55	4127958.25	3151.49857	0.00154	0.38376	4.64998E-04	0.02496	3.01513E-05	0.00203

595047.1	4127981.91	3230.75931	0.00158	0.43446	5.26430E-04	0.02499	3.01875E-05	0.00213
595080.55	4127981.91	3480.02718	0.00170	0.38686	4.68754E-04	0.02678	3.23498E-05	0.00220
595047.1	4128005.57	3585.19424	0.00175	0.43717	5.29714E-04	0.02684	3.24223E-05	0.00231
595080.55	4128005.57	3851.21343	0.00188	0.38798	4.70111E-04	0.02892	3.49349E-05	0.00239
595047.1	4128029.23	3988.82857	0.00195	0.43768	5.30332E-04	0.02899	3.50194E-05	0.00251
595080.55	4128029.23	4270.92812	0.00209	0.38756	4.69602E-04	0.03132	3.78340E-05	0.00259
595047.1	4128052.89	4449.15124	0.00217	0.43657	5.28987E-04	0.03151	3.80635E-05	0.00274
595080.55	4128052.89	4745.99388	0.00232	0.38603	4.67748E-04	0.03392	4.09748E-05	0.00283
594886.23	4127719.27	732.95751	0.00036	0.28756	3.48433E-04	0.01016	1.22731E-05	0.00072
594950.74	4127719.27	905.39004	0.00044	0.27979	3.39018E-04	0.01117	1.34932E-05	0.00079
594886.23	4127747.71	797.68447	0.00039	0.32384	3.92393E-04	0.01072	1.29496E-05	0.00079
594950.74	4127747.71	990.89209	0.00048	0.31045	3.76169E-04	0.01181	1.42663E-05	0.00087
594886.23	4127776.15	870.20768	0.00042	0.36520	4.42509E-04	0.01128	1.36260E-05	0.00088
594950.74	4127776.15	1087.27179	0.00053	0.34432	4.17209E-04	0.01248	1.50756E-05	0.00096
594886.23	4127804.59	955.05308	0.00047	0.41202	4.99240E-04	0.01194	1.44233E-05	0.00098
594950.74	4127804.59	1199.00869	0.00059	0.38140	4.62138E-04	0.01323	1.59816E-05	0.00106
594886.23	4127833.03	1051.2182	0.00051	0.46530	5.63799E-04	0.01263	1.52568E-05	0.00109
594950.74	4127833.03	1326.08826	0.00065	0.42169	5.10957E-04	0.01406	1.69842E-05	0.00118
594886.23	4127861.47	1163.64174	0.00057	0.52555	6.36803E-04	0.01341	1.61990E-05	0.00122
594950.74	4127861.47	1471.00302	0.00072	0.46469	5.63060E-04	0.01494	1.80473E-05	0.00130
594886.23	4127889.91	1290.60276	0.00063	0.59333	7.18931E-04	0.01424	1.72017E-05	0.00137
594950.74	4127889.91	1643.50625	0.00080	0.50914	6.16919E-04	0.01597	1.92915E-05	0.00144
594886.23	4127918.35	1440.53068	0.00070	0.66756	8.08875E-04	0.01519	1.83493E-05	0.00153
594950.74	4127918.35	1842.60656	0.00090	0.55279	6.69809E-04	0.01711	2.06686E-05	0.00159
594834.46	4127713.69	599.42186	0.00029	0.28127	3.40812E-04	0.00918	1.10893E-05	0.00064
594862.34	4127713.69	662.24207	0.00032	0.28184	3.41502E-04	0.00952	1.15000E-05	0.00068
594834.46	4127736.34	638.39268	0.00031	0.31171	3.77695E-04	0.00956	1.15483E-05	0.00070
594862.34	4127736.34	707.45587	0.00035	0.31088	3.76690E-04	0.00996	1.20315E-05	0.00073
594834.46	4127758.99	681.3002	0.00033	0.34605	4.19305E-04	0.00998	1.20557E-05	0.00076
594862.34	4127758.99	757.48546	0.00037	0.34333	4.16009E-04	0.01059	1.27925E-05	0.00080
594834.46	4127781.64	729.50679	0.00036	0.38474	4.66185E-04	0.01062	1.28288E-05	0.00084
594862.34	4127781.64	811.14164	0.00040	0.37979	4.60187E-04	0.01102	1.33120E-05	0.00087
594834.46	4127804.29	781.187	0.00038	0.42879	5.19560E-04	0.01106	1.33603E-05	0.00091
594862.34	4127804.29	872.63459	0.00043	0.42037	5.09357E-04	0.01153	1.39280E-05	0.00095
594834.46	4127826.94	840.56372	0.00041	0.47848	5.79769E-04	0.01158	1.39884E-05	0.00100
594862.34	4127826.94	940.11449	0.00046	0.46593	5.64562E-04	0.01205	1.45562E-05	0.00104
594834.46	4127849.59	905.74028	0.00044	0.53521	6.48508E-04	0.01210	1.46166E-05	0.00111
594862.34	4127849.59	1014.2069	0.00050	0.51715	6.26625E-04	0.01259	1.52085E-05	0.00114
594834.46	4127872.24	977.32135	0.00048	0.60021	7.27268E-04	0.01265	1.52810E-05	0.00122
594862.34	4127872.24	1097.14452	0.00054	0.57453	6.96151E-04	0.01318	1.59212E-05	0.00125
594834.46	4127894.89	1057.50765	0.00052	0.67464	8.17453E-04	0.01325	1.60058E-05	0.00135
594862.34	4127894.89	1193.70695	0.00058	0.63839	7.73530E-04	0.01385	1.67306E-05	0.00137
594834.46	4127917.54	1151.1834	0.00056	0.75950	9.20277E-04	0.01393	1.68272E-05	0.00150
594862.34	4127917.54	1301.14574	0.00064	0.70922	8.59354E-04	0.01458	1.76124E-05	0.00151
595026.39	4127722.45	1142.84781	0.00056	0.26595	3.22249E-04	0.01266	1.52931E-05	0.00090
595026.39	4127759.08	1289.7481	0.00063	0.29734	3.60283E-04	0.01363	1.64648E-05	0.00101
595026.39	4127795.71	1464.03341	0.00071	0.33090	4.00948E-04	0.01476	1.78298E-05	0.00113
595026.39	4127832.34	1670.18243	0.00082	0.36561	4.43005E-04	0.01602	1.93519E-05	0.00128
595026.39	4127868.97	1917.42714	0.00094	0.39953	4.84106E-04	0.01748	2.11155E-05	0.00144
595026.39	4127905.6	2218.5195	0.00108	0.42979	5.20772E-04	0.01918	2.31691E-05	0.00163
595026.39	4127942.23	2581.26466	0.00126	0.45310	5.49016E-04	0.02116	2.55609E-05	0.00183
595026.39	4127978.86	3024.00357	0.00148	0.46741	5.66355E-04	0.02348	2.83634E-05	0.00207
595026.39	4128015.49	3565.04646	0.00174	0.47322	5.73395E-04	0.02646	3.19632E-05	0.00235
595026.39	4128052.12	4229.31319	0.00206	0.47302	5.73153E-04	0.02983	3.60341E-05	0.00267
594967.92	4128313.02	16541.43183	0.00808	0.53498	6.48229E-04	0.08094	9.77741E-05	0.00882
594989.44	4128313.02	16854.84939	0.00823	0.48047	5.82180E-04	0.08633	1.04285E-04	0.00892
595010.96	4128313.02	17025.58736	0.00831	0.43373	5.25546E-04	0.09160	1.10651E-04	0.00895
595032.48	4128313.02	17066.0073	0.00833	0.39322	4.76460E-04	0.09659	1.16679E-04	0.00892
595054	4128313.02	16990.30851	0.00829	0.35776	4.33494E-04	0.10117	1.22212E-04	0.00885
595075.52	4128313.02	16813.49288	0.00821	0.32649	3.95604E-04	0.10533	1.27237E-04	0.00873
594967.92	4128341.65	20102.8328	0.00981	0.51959	6.29581E-04	0.09620	1.16208E-04	0.01056
594989.44	4128341.65	20267.42794	0.00989	0.46610	5.64768E-04	0.10243	1.23734E-04	0.01058
595010.96	4128341.65	20261.44809	0.00989	0.42019	5.09139E-04	0.10838	1.30921E-04	0.01053
595032.48	4128341.65	20105.85178	0.00982	0.38037	4.60890E-04	0.11389	1.37577E-04	0.01041
595054	4128341.65	19822.2504	0.00968	0.34551	4.18650E-04	0.11884	1.43557E-04	0.01024
595075.52	4128341.65	19432.18478	0.00949	0.31479	3.81427E-04	0.12322	1.48848E-04	0.01002
594967.92	4128370.28	24513.55515	0.01197	0.50321	6.09734E-04	0.11569	1.39752E-04	0.01272
594989.44	4128370.28	24412.58535	0.01192	0.45082	5.46253E-04	0.12292	1.48485E-04	0.01261
595010.96	4128370.28	24117.51233	0.01177	0.40565	4.91521E-04	0.12954	1.56482E-04	0.01242
595032.48	4128370.28	23659.51281	0.01155	0.36627	4.43805E-04	0.13530	1.63440E-04	0.01216
595054	4128370.28	23072.67444	0.01126	0.33194	4.02208E-04	0.14051	1.69734E-04	0.01184
595075.52	4128370.28	22385.60466	0.01093	0.30183	3.65724E-04	0.14519	1.75387E-04	0.01147
594967.92	4128398.91	2921.98485	0.01461	0.48563	5.88432E-04	0.14086	1.70156E-04	0.01537
594989.44	4128398.91	29378.45114	0.01434	0.43390	5.25752E-04	0.14893	1.79905E-04	0.01505
595010.96	4128398.91	28637.15035	0.01398	0.38938	4.71807E-04	0.15614	1.88614E-04	0.01464
595032.48	4128398.91	27741.07095	0.01354	0.35072	4.24963E-04	0.16242	1.96201E-04	0.01416
595054	4128398.91	26729.61885	0.01305	0.31691	3.83996E-04	0.16773	2.02615E-04	0.01364

595075.52	4128398.91	25638.91294	0.01252	0.28728	3.48094E-04	0.17214	2.07942E-04	0.01307
594967.92	4128427.54	36442.06638	0.01779	0.46655	5.65313E-04	0.17554	2.12049E-04	0.01857
594989.44	4128427.54	35210.63185	0.01719	0.41460	5.02366E-04	0.18341	2.21556E-04	0.01791
595010.96	4128427.54	33815.69897	0.01651	0.37069	4.49161E-04	0.19087	2.30568E-04	0.01719
595032.48	4128427.54	32304.04015	0.01577	0.33259	4.02995E-04	0.19700	2.37973E-04	0.01641
595054	4128427.54	30724.25058	0.01500	0.29956	3.62973E-04	0.20193	2.43928E-04	0.01561
595075.52	4128427.54	29114.00551	0.01421	0.27079	3.28113E-04	0.20565	2.48422E-04	0.01479
595000.73	4128430.99	35205.57503	0.01719	0.38819	4.70365E-04	0.19233	2.32331E-04	0.01789
595032.09	4128430.99	32912.424	0.01607	0.33089	4.00936E-04	0.20173	2.43686E-04	0.01671
595063.45	4128430.99	30487.05172	0.01488	0.28428	3.44459E-04	0.20836	2.51695E-04	0.01548
595000.73	4128448.25	38907.37005	0.01899	0.37546	4.54941E-04	0.21995	2.65696E-04	0.01972
595032.09	4128448.25	35891.60055	0.01752	0.31856	3.85995E-04	0.22827	2.75746E-04	0.01818
595063.45	4128448.25	32848.31361	0.01604	0.27270	3.30427E-04	0.23390	2.82547E-04	0.01665
595000.73	4128465.51	42814.54276	0.02090	0.36143	4.37941E-04	0.25361	3.06357E-04	0.02165
595032.09	4128465.51	38966.57109	0.01902	0.30520	3.69807E-04	0.25918	3.13085E-04	0.01971
595063.45	4128465.51	35223.06874	0.01720	0.26033	3.15439E-04	0.26316	3.17893E-04	0.01783
595056.55	4128477.03	37709.55747	0.01841	0.26077	3.15972E-04	0.28426	3.43381E-04	0.01907
595097.42	4128477.03	32540.89955	0.01589	0.21417	2.59507E-04	0.28272	3.41521E-04	0.01649
595138.29	4128477.03	27935.99348	0.01364	0.17846	2.16238E-04	0.27763	3.35372E-04	0.01419
595056.55	4128506.38	41754.49939	0.02038	0.23755	2.87837E-04	0.35150	4.24606E-04	0.02110
595097.42	4128506.38	35119.54814	0.01715	0.19474	2.35964E-04	0.34023	4.10992E-04	0.01779
595138.29	4128506.38	29460.78009	0.01438	0.16208	1.96390E-04	0.32526	3.92908E-04	0.01497
595185.07	4128542.78	24098.20111	0.01176	0.11801	1.42991E-04	0.35917	4.33871E-04	0.01234
595200.24	4128542.78	22374.12096	0.01092	0.11159	1.35212E-04	0.34935	4.22009E-04	0.01148
595215.41	4128542.78	20783.01697	0.01015	0.10566	1.28027E-04	0.33992	4.10618E-04	0.01069
595230.58	4128542.78	19318.92178	0.00943	0.10028	1.21508E-04	0.33089	3.99709E-04	0.00995
595245.75	4128542.78	17972.54385	0.00877	0.09534	1.15522E-04	0.32239	3.89442E-04	0.00928
595260.92	4128542.78	16733.93174	0.00817	0.09079	1.10009E-04	0.31420	3.79548E-04	0.00866
595276.09	4128542.78	15594.51672	0.00761	0.08659	1.04920E-04	0.30639	3.70114E-04	0.00809
595291.26	4128542.78	14545.85546	0.00710	0.08271	1.00219E-04	0.29888	3.61042E-04	0.00756
595306.43	4128542.78	13580.11812	0.00663	0.07912	9.58688E-05	0.29156	3.52199E-04	0.00708
595321.6	4128542.78	12690.62415	0.00620	0.07577	9.18096E-05	0.28452	3.43695E-04	0.00663
595185.07	4128563.98	23622.66877	0.01153	0.10927	1.32401E-04	0.39103	4.72358E-04	0.01214
595200.24	4128563.98	21840.47853	0.01066	0.10371	1.25664E-04	0.37916	4.58019E-04	0.01125
595215.41	4128563.98	20198.0596	0.00986	0.09848	1.19327E-04	0.36771	4.44187E-04	0.01042
595230.58	4128563.98	18696.63614	0.00913	0.09352	1.13317E-04	0.35665	4.30827E-04	0.00967
595245.75	4128563.98	17326.28086	0.00846	0.08906	1.07913E-04	0.34636	4.18397E-04	0.00899
595260.92	4128563.98	16074.93778	0.00785	0.08494	1.02921E-04	0.33656	4.06559E-04	0.00836
595276.09	4128563.98	14931.91172	0.00729	0.08114	9.83164E-05	0.32730	3.95373E-04	0.00778
595291.26	4128563.98	13886.5965	0.00678	0.07757	9.39907E-05	0.31836	3.84573E-04	0.00726
595306.43	4128563.98	12930.42436	0.00631	0.07432	9.00527E-05	0.30992	3.74378E-04	0.00678
595321.6	4128563.98	12055.43104	0.00589	0.07133	8.64297E-05	0.30196	3.64762E-04	0.00634
595185.07	4128585.18	22758.27007	0.01111	0.10115	1.22562E-04	0.42368	5.11798E-04	0.01175
595200.24	4128585.18	20963.03566	0.01023	0.09631	1.16698E-04	0.40992	4.95176E-04	0.01085
595215.41	4128585.18	19314.43984	0.00943	0.09169	1.11100E-04	0.39643	4.78881E-04	0.01002
595230.58	4128585.18	17815.86469	0.00870	0.08740	1.05902E-04	0.38358	4.63358E-04	0.00927
595245.75	4128585.18	16455.63903	0.00803	0.08329	1.00922E-04	0.37114	4.48331E-04	0.00858
595260.92	4128585.18	15221.56636	0.00743	0.07953	9.63656E-05	0.35953	4.34306E-04	0.00796
595276.09	4128585.18	14101.78812	0.00688	0.07610	9.22095E-05	0.34877	4.21308E-04	0.00740
595291.26	4128585.18	13084.14242	0.00639	0.07291	8.83442E-05	0.33865	4.09083E-04	0.00689
595306.43	4128585.18	12158.65802	0.00594	0.06996	8.47697E-05	0.32903	3.97463E-04	0.00642
595321.6	4128585.18	11316.54041	0.00552	0.06725	8.14860E-05	0.31999	3.86542E-04	0.00599
595185.07	4128606.38	21488.6272	0.01049	0.09348	1.13269E-04	0.45680	5.51807E-04	0.01116
595200.24	4128606.38	19727.39454	0.00963	0.08927	1.08167E-04	0.44114	5.32890E-04	0.01027
595215.41	4128606.38	18130.16873	0.00885	0.08527	1.03321E-04	0.42605	5.14661E-04	0.00947
595230.58	4128606.38	16689.0506	0.00815	0.08155	9.88132E-05	0.41162	4.97230E-04	0.00874
595245.75	4128606.38	15386.342	0.00751	0.07808	9.46086E-05	0.39759	4.80282E-04	0.00809

# 1410 South Bascom Avenue Project

2022

Unmitigated at Sensitive Receptors

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec): 4.12646E-07  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec): 1.14803E-03  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec): 1.14452E-03

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total Annual PM2.5 Total (ug/m3)
		Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00137	0.05879	6.74928E-05	0.03891	4.45333E-05	0.00148
593960.92	4129158.33	3639.06634	0.00150	0.05999	6.88704E-05	0.04232	4.84361E-05	0.00162
594008.73	4129158.33	3982.44153	0.00164	0.06107	7.01103E-05	0.04616	5.28311E-05	0.00177
594056.54	4129158.33	4355.83729	0.00180	0.06204	7.12239E-05	0.05049	5.77868E-05	0.00193
594104.35	4129158.33	4754.1984	0.00196	0.06287	7.21767E-05	0.05540	6.34064E-05	0.00210
594152.16	4129158.33	5171.19628	0.00213	0.06352	7.29230E-05	0.06096	6.97700E-05	0.00228
594199.97	4129158.33	5594.53203	0.00231	0.06388	7.33363E-05	0.06725	7.69690E-05	0.00246
594247.78	4129158.33	6004.09246	0.00248	0.06386	7.33133E-05	0.07437	8.51180E-05	0.00264
594295.59	4129158.33	6373.51698	0.00263	0.06345	7.28426E-05	0.08239	9.42970E-05	0.00280
594343.4	4129158.33	6674.07426	0.00275	0.06275	7.20390E-05	0.09131	1.04506E-04	0.00293
594391.21	4129158.33	6873.62872	0.00284	0.06185	7.10058E-05	0.10136	1.16009E-04	0.00302
594439.02	4129158.33	6951.56549	0.00287	0.06065	6.96281E-05	0.11262	1.28896E-04	0.00307
594486.83	4129158.33	6904.49051	0.00285	0.05898	6.77109E-05	0.12517	1.43260E-04	0.00306
594534.64	4129158.33	6727.25386	0.00278	0.05686	6.52771E-05	0.13927	1.59397E-04	0.00300
594582.45	4129158.33	6415.33047	0.00265	0.05494	6.30729E-05	0.15543	1.77893E-04	0.00289
594630.26	4129158.33	6008.16583	0.00248	0.05443	6.24874E-05	0.17405	1.99204E-04	0.00274
593913.11	4129192.59	3270.19406	0.00135	0.05557	6.37961E-05	0.03989	4.56549E-05	0.00146
593960.92	4129192.59	3555.71462	0.00147	0.05649	6.48523E-05	0.04330	4.95577E-05	0.00158
594008.73	4129192.59	3863.7514	0.00159	0.05727	6.57478E-05	0.04710	5.39069E-05	0.00171
594056.54	4129192.59	4191.06421	0.00173	0.05791	6.64825E-05	0.05139	5.88169E-05	0.00185
594104.35	4129192.59	4533.29631	0.00187	0.05844	6.70910E-05	0.05623	6.43564E-05	0.00200
594152.16	4129192.59	4880.00864	0.00201	0.05879	6.74928E-05	0.06166	7.05711E-05	0.00215
594199.97	4129192.59	5217.3588	0.00215	0.05890	6.76191E-05	0.06775	7.75436E-05	0.00230
594247.78	4129192.59	5526.09506	0.00228	0.05871	6.74009E-05	0.07458	8.53583E-05	0.00243
594295.59	4129192.59	5783.66201	0.00239	0.05823	6.68499E-05	0.08220	9.40796E-05	0.00255
594343.4	4129192.59	5967.64393	0.00246	0.05754	6.60577E-05	0.09067	1.03774E-04	0.00263
594391.21	4129192.59	6063.44808	0.00250	0.05668	6.50704E-05	0.10005	1.14509E-04	0.00268
594439.02	4129192.59	6063.30313	0.00250	0.05553	6.37502E-05	0.11042	1.26378E-04	0.00269
594486.83	4129192.59	5968.23517	0.00246	0.05391	6.18904E-05	0.12199	1.39620E-04	0.00266
594534.64	4129192.59	5779.52334	0.00238	0.05194	5.96288E-05	0.13496	1.54464E-04	0.00260
594582.45	4129192.59	5495.75797	0.00227	0.05029	5.77345E-05	0.14963	1.71255E-04	0.00250
594630.26	4129192.59	5152.86778	0.00213	0.04996	5.73557E-05	0.16629	1.90322E-04	0.00237
593913.11	4129226.85	3196.35742	0.00132	0.05249	6.02602E-05	0.04073	4.66163E-05	0.00143
593960.92	4129226.85	3454.53449	0.00143	0.05317	6.10408E-05	0.04413	5.05077E-05	0.00154
594008.73	4129226.85	3726.98995	0.00154	0.05368	6.16263E-05	0.04787	5.47882E-05	0.00165
594056.54	4129226.85	4010.32013	0.00165	0.05400	6.19937E-05	0.05210	5.96295E-05	0.00178
594104.35	4129226.85	4298.33572	0.00177	0.05428	6.23152E-05	0.05684	6.50545E-05	0.00190
594152.16	4129226.85	4579.67319	0.00189	0.05442	6.24759E-05	0.06212	7.10976E-05	0.00202
594199.97	4129226.85	4840.4703	0.00200	0.05437	6.24185E-05	0.06800	7.78274E-05	0.00214
594247.78	4129226.85	5063.63373	0.00209	0.05409	6.20970E-05	0.07452	8.52897E-05	0.00224
594295.59	4129226.85	5231.96273	0.00216	0.05360	6.15345E-05	0.08174	9.35531E-05	0.00231
594343.4	4129226.85	5331.45972	0.00220	0.05294	6.07768E-05	0.08970	1.02663E-04	0.00236
594391.21	4129226.85	5357.84087	0.00221	0.05221	5.99387E-05	0.09845	1.12678E-04	0.00238
594439.02	4129226.85	5312.73141	0.00219	0.05109	5.86529E-05	0.10809	1.23711E-04	0.00237
594486.83	4129226.85	5198.54687	0.00215	0.04952	5.68505E-05	0.11878	1.35946E-04	0.00234
594534.64	4129226.85	5014.19751	0.00207	0.04770	5.47611E-05	0.13071	1.49600E-04	0.00227
594582.45	4129226.85	4758.88666	0.00196	0.04628	5.31309E-05	0.14412	1.64948E-04	0.00218
594630.26	4129226.85	4464.94665	0.00184	0.04609	5.29128E-05	0.15928	1.82299E-04	0.00208
593913.11	4129261.11	3108.59307	0.00128	0.04951	5.68390E-05	0.04137	4.73488E-05	0.00139
593960.92	4129261.11	3338.75679	0.00138	0.04996	5.73557E-05	0.04475	5.12173E-05	0.00149
594008.73	4129261.11	3577.63236	0.00148	0.05028	5.77230E-05	0.04849	5.54978E-05	0.00159
594056.54	4129261.11	3819.32836	0.00158	0.05044	5.79067E-05	0.05264	6.02476E-05	0.00169
594104.35	4129261.11	4055.99067	0.00167	0.05053	5.80100E-05	0.05726	6.55352E-05	0.00180
594152.16	4129261.11	4278.26507	0.00177	0.05051	5.79871E-05	0.06237	7.13837E-05	0.00189
594199.97	4129261.11	4472.72286	0.00185	0.05036	5.78149E-05	0.06801	7.78388E-05	0.00198
594247.78	4129261.11	4625.61491	0.00191	0.05004	5.74475E-05	0.07422	8.49463E-05	0.00205
594295.59	4129261.11	4725.17221	0.00195	0.04958	5.69194E-05	0.08103	9.27405E-05	0.00210
594343.4	4129261.11	4765.32585	0.00197	0.04898	5.62306E-05	0.08850	1.01290E-04	0.00212
594391.21	4129261.11	4748.49589	0.00196	0.04821	5.53466E-05	0.09665	1.10618E-04	0.00213
594439.02	4129261.11	4680.08371	0.00193	0.04719	5.41756E-05	0.10561	1.20873E-04	0.00211
594486.83	4129261.11	4562.2956	0.00188	0.04569	5.24536E-05	0.11555	1.32249E-04	0.00207
594534.64	4129261.11	4390.15529	0.00181	0.04402	5.05363E-05	0.12654	1.44828E-04	0.00201
594582.45	4129261.11	4161.01157	0.00172	0.04279	4.91243E-05	0.13885	1.58917E-04	0.00193

594630.26	4129261.11	3907.88439	0.00161	0.04272	4.90439E-05	0.15267	1.74734E-04	0.00184
593913.11	4129295.37	3010.96052	0.00124	0.04670	5.36131E-05	0.04195	4.80126E-05	0.00134
593960.92	4129295.37	3213.77375	0.00133	0.04697	5.39230E-05	0.04528	5.18239E-05	0.00143
594008.73	4129295.37	3419.17377	0.00141	0.04711	5.40838E-05	0.04896	5.60357E-05	0.00152
594056.54	4129295.37	3621.2328	0.00149	0.04714	5.41182E-05	0.05302	6.06825E-05	0.00161
594104.35	4129295.37	3812.02748	0.00157	0.04707	5.40378E-05	0.05749	6.57985E-05	0.00169
594152.16	4129295.37	3982.19231	0.00164	0.04695	5.39001E-05	0.06241	7.14295E-05	0.00177
594199.97	4129295.37	4120.70662	0.00170	0.04675	5.36705E-05	0.06780	7.75985E-05	0.00183
594247.78	4129295.37	4217.62612	0.00174	0.04644	5.33146E-05	0.07369	8.43397E-05	0.00188
594295.59	4129295.37	4266.54886	0.00176	0.04602	5.28324E-05	0.08011	9.16875E-05	0.00191
594343.4	4129295.37	4267.09931	0.00176	0.04547	5.22010E-05	0.08711	9.96992E-05	0.00191
594391.21	4129295.37	4225.56372	0.00174	0.04476	5.13859E-05	0.09472	1.08409E-04	0.00190
594439.02	4129295.37	4147.26724	0.00171	0.04372	5.01919E-05	0.10305	1.17943E-04	0.00188
594486.83	4129295.37	4032.65954	0.00166	0.04231	4.85732E-05	0.11224	1.28461E-04	0.00184
594534.64	4129295.37	3873.56733	0.00160	0.04079	4.68282E-05	0.12243	1.40124E-04	0.00179
594582.45	4129295.37	3668.65647	0.00151	0.03974	4.56228E-05	0.13374	1.53068E-04	0.00171
594630.26	4129295.37	3451.22474	0.00142	0.03976	4.56457E-05	0.14635	1.67501E-04	0.00164
593913.11	4129329.63	2905.61573	0.00120	0.04408	5.06052E-05	0.04242	4.85506E-05	0.00130
593960.92	4129329.63	3081.42339	0.00127	0.04420	5.07430E-05	0.04569	5.22931E-05	0.00137
594008.73	4129329.63	3255.30194	0.00134	0.04417	5.07086E-05	0.04929	5.64134E-05	0.00145
594056.54	4129329.63	3420.98604	0.00141	0.04408	5.06052E-05	0.05324	6.09343E-05	0.00152
594104.35	4129329.63	3570.71664	0.00147	0.04394	5.04445E-05	0.05755	6.58672E-05	0.00159
594152.16	4129329.63	3695.11204	0.00152	0.04376	5.02379E-05	0.06227	7.12693E-05	0.00165
594199.97	4129329.63	3787.66027	0.00156	0.04354	4.99853E-05	0.06741	7.71521E-05	0.00169
594247.78	4129329.63	3841.94439	0.00159	0.04326	4.96638E-05	0.07298	8.35271E-05	0.00172
594295.59	4129329.63	3855.72439	0.00159	0.04290	4.92506E-05	0.07902	9.04400E-05	0.00173
594343.4	4129329.63	3831.60712	0.00158	0.04239	4.86651E-05	0.08557	9.79366E-05	0.00173
594391.21	4129329.63	3776.7637	0.00156	0.04166	4.78270E-05	0.09268	1.06074E-04	0.00171
594439.02	4129329.63	3697.76168	0.00153	0.04066	4.66790E-05	0.10044	1.14956E-04	0.00169
594486.83	4129329.63	3589.50583	0.00148	0.03933	4.51521E-05	0.10898	1.24730E-04	0.00165
594534.64	4129329.63	3443.27012	0.00142	0.03794	4.35563E-05	0.11840	1.35511E-04	0.00160
594582.45	4129329.63	3259.89454	0.00135	0.03706	4.25460E-05	0.12883	1.47449E-04	0.00154
594630.26	4129329.63	3070.55961	0.00127	0.03714	4.26379E-05	0.14040	1.60691E-04	0.00147
593913.11	4129363.89	2794.24888	0.00115	0.04161	4.77696E-05	0.04278	4.89626E-05	0.00125
593960.92	4129363.89	2944.73706	0.00122	0.04157	4.77237E-05	0.04599	5.26365E-05	0.00132
594008.73	4129363.89	3088.82511	0.00127	0.04146	4.75974E-05	0.04949	5.66423E-05	0.00138
594056.54	4129363.89	3220.72969	0.00133	0.04127	4.73793E-05	0.05331	6.10144E-05	0.00144
594104.35	4129363.89	3333.93858	0.00138	0.04107	4.71497E-05	0.05746	6.57642E-05	0.00149
594152.16	4129363.89	3421.32	0.00141	0.04087	4.69200E-05	0.06197	7.09259E-05	0.00153
594199.97	4129363.89	3477.31754	0.00143	0.04065	4.66675E-05	0.06684	7.64998E-05	0.00156
594247.78	4129363.89	3499.23104	0.00144	0.04041	4.63920E-05	0.07211	8.25314E-05	0.00157
594295.59	4129363.89	3488.52755	0.00144	0.04008	4.60131E-05	0.07779	8.90323E-05	0.00157
594343.4	4129363.89	3450.45043	0.00142	0.03960	4.54620E-05	0.08392	9.60482E-05	0.00157
594391.21	4129363.89	3393.04883	0.00140	0.03894	4.47043E-05	0.09056	1.03648E-04	0.00155
594439.02	4129363.89	3315.33438	0.00137	0.03792	4.35334E-05	0.09780	1.11934E-04	0.00152
594486.83	4129363.89	3215.0033	0.00133	0.03667	4.20983E-05	0.10573	1.21010E-04	0.00149
594534.64	4129363.89	3079.84599	0.00127	0.03543	4.06748E-05	0.11446	1.31002E-04	0.00144
594582.45	4129363.89	2914.79667	0.00120	0.03469	3.98252E-05	0.12409	1.42024E-04	0.00138
594630.26	4129363.89	2749.90437	0.00113	0.03483	3.99859E-05	0.13471	1.54178E-04	0.00133
593913.11	4129398.15	2679.16588	0.00111	0.03929	4.51062E-05	0.04304	4.92602E-05	0.00120
593960.92	4129398.15	2805.71598	0.00116	0.03916	4.49569E-05	0.04617	5.28425E-05	0.00126
594008.73	4129398.15	2922.43071	0.00121	0.03894	4.47043E-05	0.04957	5.67339E-05	0.00131
594056.54	4129398.15	3024.89769	0.00125	0.03872	4.44518E-05	0.05325	6.09457E-05	0.00135
594104.35	4129398.15	3106.84561	0.00128	0.03849	4.41877E-05	0.05723	6.55009E-05	0.00139
594152.16	4129398.15	3163.25502	0.00131	0.03828	4.39466E-05	0.06152	7.04109E-05	0.00142
594199.97	4129398.15	3191.13432	0.00132	0.03809	4.37285E-05	0.06614	7.56986E-05	0.00144
594247.78	4129398.15	3190.51454	0.00132	0.03788	4.34874E-05	0.07110	8.13754E-05	0.00144
594295.59	4129398.15	3164.98988	0.00131	0.03759	4.31545E-05	0.07644	8.74872E-05	0.00144
594343.4	4129398.15	3120.47854	0.00129	0.03714	4.26379E-05	0.08218	9.40567E-05	0.00142
594391.21	4129398.15	3062.53181	0.00126	0.03648	4.18802E-05	0.08839	1.01164E-04	0.00141
594439.02	4129398.15	2990.52245	0.00123	0.03549	4.07436E-05	0.09514	1.08890E-04	0.00138
594486.83	4129398.15	2896.17219	0.00120	0.03430	3.93775E-05	0.10253	1.17348E-04	0.00135
594534.64	4129398.15	2772.22801	0.00114	0.03319	3.81032E-05	0.11063	1.26618E-04	0.00131
594582.45	4129398.15	2622.96093	0.00108	0.03256	3.73799E-05	0.11951	1.36782E-04	0.00126
594630.26	4129398.15	2478.42565	0.00102	0.03274	3.75866E-05	0.12926	1.47941E-04	0.00121
593913.11	4129432.41	2561.58837	0.00106	0.03712	4.26149E-05	0.04320	4.94433E-05	0.00115
593960.92	4129432.41	2665.18662	0.00110	0.03688	4.23394E-05	0.04625	5.29341E-05	0.00120
594008.73	4129432.41	2758.14131	0.00114	0.03664	4.20639E-05	0.04953	5.66881E-05	0.00124
594056.54	4129432.41	2834.28901	0.00117	0.03638	4.17654E-05	0.05307	6.07397E-05	0.00127
594104.35	4129432.41	2889.27554	0.00119	0.03611	4.14554E-05	0.05688	6.51003E-05	0.00130
594152.16	4129432.41	2920.98242	0.00121	0.03592	4.12373E-05	0.06096	6.97700E-05	0.00132
594199.97	4129432.41	2927.9826	0.00121	0.03575	4.10421E-05	0.06533	7.47715E-05	0.00132
594247.78	4129432.41	2912.20412	0.00120	0.03558	4.08470E-05	0.07001	8.01279E-05	0.00132
594295.59	4129432.41	2878.44793	0.00119	0.03532	4.05485E-05	0.07501	8.58505E-05	0.00131
594343.4	4129432.41	2833.16773	0.00117	0.03492	4.00893E-05	0.08039	9.20080E-05	0.00130
594391.21	4129432.41	2777.68373	0.00115	0.03423	3.92971E-05	0.08619	9.86462E-05	0.00128
594439.02	4129432.41	2710.36066	0.00112	0.03328	3.82065E-05	0.09249	1.05857E-04	0.00126

594486.83	4129432.41	2622.77144	0.00108	0.03217	3.69322E-05	0.09937	1.13731E-04	0.00123
594534.64	4129432.41	2507.0008	0.00103	0.03118	3.57956E-05	0.10689	1.22338E-04	0.00119
594582.45	4129432.41	2371.93398	0.00098	0.03066	3.51986E-05	0.11509	1.31723E-04	0.00115
594630.26	4129432.41	2244.86631	0.00093	0.03087	3.54397E-05	0.12406	1.41989E-04	0.00110
593913.11	4129466.67	2442.81842	0.00101	0.03508	4.02729E-05	0.04329	4.95463E-05	0.00110
593960.92	4129466.67	2526.01782	0.00104	0.03480	3.99515E-05	0.04624	5.29226E-05	0.00114
594008.73	4129466.67	2596.84074	0.00107	0.03452	3.96300E-05	0.04940	5.65393E-05	0.00117
594056.54	4129466.67	2650.6604	0.00109	0.03422	3.92856E-05	0.05279	6.04192E-05	0.00119
594104.35	4129466.67	2684.5211	0.00111	0.03398	3.90101E-05	0.05642	6.45739E-05	0.00121
594152.16	4129466.67	2697.2728	0.00111	0.03380	3.88035E-05	0.06029	6.90031E-05	0.00122
594199.97	4129466.67	2689.52079	0.00111	0.03367	3.86542E-05	0.06442	7.37300E-05	0.00122
594247.78	4129466.67	2664.41613	0.00110	0.03353	3.84935E-05	0.06882	7.87659E-05	0.00122
594295.59	4129466.67	2627.13499	0.00108	0.03329	3.82180E-05	0.07352	8.41452E-05	0.00121
594343.4	4129466.67	2582.61901	0.00107	0.03287	3.77358E-05	0.07856	8.99135E-05	0.00119
594391.21	4129466.67	2531.16316	0.00104	0.03220	3.69666E-05	0.08399	9.61283E-05	0.00118
594439.02	4129466.67	2468.93545	0.00102	0.03130	3.59334E-05	0.08987	1.02858E-04	0.00116
594486.83	4129466.67	2386.32586	0.00098	0.03026	3.47394E-05	0.09627	1.10183E-04	0.00113
594534.64	4129466.67	2278.49181	0.00094	0.02937	3.37177E-05	0.10325	1.18172E-04	0.00109
594582.45	4129466.67	2155.90879	0.00089	0.02894	3.32240E-05	0.11082	1.26836E-04	0.00105
594630.26	4129466.67	2043.86383	0.00084	0.02917	3.34881E-05	0.11906	1.36267E-04	0.00101
594331.14	4128962.5	10756.5275	0.00444	0.11187	1.28430E-04	0.08454	9.67578E-05	0.00466
594357.05	4128962.5	11696.34847	0.00483	0.11295	1.29670E-04	0.09134	1.04541E-04	0.00506
594382.96	4128962.5	12703.20211	0.00524	0.11373	1.30566E-04	0.09884	1.13124E-04	0.00549
594408.87	4128962.5	13767.09477	0.00568	0.11417	1.31071E-04	0.10721	1.22704E-04	0.00593
594434.78	4128962.5	14873.43966	0.00614	0.11424	1.31151E-04	0.11645	1.33279E-04	0.00640
594460.69	4128962.5	15997.35705	0.00660	0.11391	1.30772E-04	0.12673	1.45045E-04	0.00688
594486.6	4128962.5	17102.81083	0.00706	0.11313	1.29877E-04	0.13815	1.58116E-04	0.00735
594331.14	4129004.55	9999.18611	0.00413	0.09806	1.12576E-04	0.08685	9.94016E-05	0.00434
594357.05	4129004.55	10706.43463	0.00442	0.09834	1.12897E-04	0.09342	1.06921E-04	0.00464
594382.96	4129004.55	11430.70746	0.00472	0.09837	1.12932E-04	0.10064	1.15185E-04	0.00494
594408.87	4129004.55	12161.59794	0.00502	0.09814	1.12668E-04	0.10848	1.24158E-04	0.00526
594434.78	4129004.55	12871.48049	0.00531	0.09768	1.12140E-04	0.11716	1.34092E-04	0.00556
594460.69	4129004.55	13538.46813	0.00559	0.09694	1.11290E-04	0.12666	1.44965E-04	0.00584
594486.6	4129004.55	14131.55259	0.00583	0.09590	1.10096E-04	0.13704	1.56845E-04	0.00610
594331.14	4129046.6	9088.17566	0.00375	0.08620	9.89603E-05	0.08831	1.01073E-04	0.00395
594357.05	4129046.6	9587.92969	0.00396	0.08603	9.87652E-05	0.09456	1.08226E-04	0.00416
594382.96	4129046.6	10076.53702	0.00416	0.08569	9.83748E-05	0.10130	1.15940E-04	0.00437
594408.87	4129046.6	10534.37744	0.00435	0.08519	9.78008E-05	0.10867	1.24375E-04	0.00457
594434.78	4129046.6	10949.16801	0.00452	0.08452	9.70316E-05	0.11663	1.33485E-04	0.00475
594460.69	4129046.6	11301.60731	0.00466	0.08367	9.60558E-05	0.12526	1.43363E-04	0.00490
594486.6	4129046.6	11574.10466	0.00478	0.08260	9.48274E-05	0.13455	1.53995E-04	0.00502
594331.14	4129088.65	8128.57624	0.00335	0.07617	8.74456E-05	0.08902	1.01885E-04	0.00354
594357.05	4129088.65	8461.06336	0.00349	0.07580	8.70208E-05	0.09484	1.08546E-04	0.00369
594382.96	4129088.65	8762.1723	0.00362	0.07531	8.64583E-05	0.10114	1.15757E-04	0.00382
594408.87	4129088.65	9023.59971	0.00372	0.07472	8.57809E-05	0.10792	1.23517E-04	0.00393
594434.78	4129088.65	9236.5497	0.00381	0.07402	8.49773E-05	0.11517	1.31814E-04	0.00403
594460.69	4129088.65	9390.17347	0.00387	0.07316	8.39900E-05	0.12296	1.40730E-04	0.00410
594486.6	4129088.65	9477.97718	0.00391	0.07212	8.27960E-05	0.13129	1.50264E-04	0.00414
594331.14	4129130.7	7190.33109	0.00297	0.06774	7.77677E-05	0.08911	1.01988E-04	0.00315
594357.05	4129130.7	7391.18408	0.00305	0.06730	7.72625E-05	0.09455	1.08214E-04	0.00324
594382.96	4129130.7	7558.82749	0.00312	0.06679	7.66770E-05	0.10036	1.14864E-04	0.00331
594408.87	4129130.7	7687.45303	0.00317	0.06619	7.59882E-05	0.10655	1.21949E-04	0.00337
594434.78	4129130.7	7774.89251	0.00321	0.06551	7.52075E-05	0.11312	1.29468E-04	0.00341
594460.69	4129130.7	7814.39426	0.00322	0.06468	7.42547E-05	0.12014	1.37503E-04	0.00344
594486.6	4129130.7	7805.20078	0.00322	0.06368	7.31066E-05	0.12763	1.46075E-04	0.00344
595047.1	4127721.65	1204.3118	0.00050	0.25974	2.98190E-04	0.01305	1.49360E-05	0.00081
595080.55	4127721.65	1313.14356	0.00054	0.25017	2.87203E-04	0.01382	1.58173E-05	0.00084
595047.1	4127745.31	1303.88273	0.00054	0.27822	3.19405E-04	0.01374	1.57257E-05	0.00087
595080.55	4127745.31	1417.93573	0.00059	0.26643	3.05870E-04	0.01450	1.65955E-05	0.00091
595047.1	4127768.97	1410.72275	0.00058	0.29747	3.41505E-04	0.01442	1.65040E-05	0.00094
595080.55	4127768.97	1534.334	0.00063	0.28303	3.24927E-04	0.01525	1.74539E-05	0.00098
595047.1	4127792.63	1531.44199	0.00063	0.31724	3.64202E-04	0.01518	1.73738E-05	0.00101
595080.55	4127792.63	1667.23955	0.00069	0.29973	3.44099E-04	0.01609	1.84153E-05	0.00105
595047.1	4127816.29	1668.40726	0.00069	0.33721	3.87128E-04	0.01605	1.83696E-05	0.00109
595080.55	4127816.29	1813.94437	0.00075	0.31620	3.63008E-04	0.01701	1.94683E-05	0.00113
595047.1	4127839.95	1818.1303	0.00075	0.35691	4.09744E-04	0.01694	1.93882E-05	0.00118
595080.55	4127839.95	1978.03313	0.00082	0.33199	3.81135E-04	0.01801	2.06128E-05	0.00122
595047.1	4127863.61	1986.25787	0.00082	0.37575	4.31373E-04	0.01792	2.05098E-05	0.00127
595080.55	4127863.61	2164.25203	0.00089	0.34660	3.97908E-04	0.01914	2.19061E-05	0.00131
595047.1	4127887.27	2180.53189	0.00090	0.39305	4.51234E-04	0.01904	2.17917E-05	0.00137
595080.55	4127887.27	2368.39745	0.00098	0.35946	4.12671E-04	0.02032	2.32567E-05	0.00141
595047.1	4127910.93	2397.32441	0.00099	0.40804	4.68443E-04	0.02028	2.32109E-05	0.00148
595080.55	4127910.93	2601.8667	0.00107	0.37013	4.24921E-04	0.02182	2.49734E-05	0.00152
595047.1	4127934.59	2642.63382	0.00109	0.42012	4.82311E-04	0.02163	2.47560E-05	0.00160
595080.55	4127934.59	2860.29851	0.00118	0.37825	4.34243E-04	0.02334	2.67131E-05	0.00164
595047.1	4127958.25	2918.94014	0.00120	0.42893	4.92425E-04	0.02333	2.67017E-05	0.00172
595080.55	4127958.25	3151.49857	0.00130	0.38376	4.40569E-04	0.02496	2.85672E-05	0.00177

595047.1	4127981.91	3230.75931	0.00133	0.43446	4.98774E-04	0.02499	2.86016E-05	0.00186
595080.55	4127981.91	3480.02718	0.00144	0.38686	4.44127E-04	0.02678	3.06503E-05	0.00191
595047.1	4128005.57	3585.19424	0.00148	0.43717	5.01885E-04	0.02684	3.07189E-05	0.00201
595080.55	4128005.57	3851.21343	0.00159	0.38798	4.45413E-04	0.02892	3.30995E-05	0.00207
595047.1	4128029.23	3988.82857	0.00165	0.43768	5.02470E-04	0.02899	3.31797E-05	0.00218
595080.55	4128029.23	4270.92812	0.00176	0.38756	4.44931E-04	0.03132	3.58464E-05	0.00224
595047.1	4128052.89	4449.15124	0.00184	0.43657	5.01196E-04	0.03151	3.60638E-05	0.00237
595080.55	4128052.89	4745.99388	0.00196	0.38603	4.43175E-04	0.03392	3.88221E-05	0.00244
594886.23	4127719.27	732.95751	0.00030	0.28756	3.30128E-04	0.01016	1.16283E-05	0.00064
594950.74	4127719.27	905.39004	0.00037	0.27979	3.21208E-04	0.01117	1.27843E-05	0.00071
594886.23	4127747.71	797.68447	0.00033	0.32384	3.71779E-04	0.01072	1.22693E-05	0.00071
594950.74	4127747.71	990.89209	0.00041	0.31045	3.56406E-04	0.01181	1.35168E-05	0.00078
594886.23	4127776.15	870.20768	0.00036	0.36520	4.19261E-04	0.01128	1.29102E-05	0.00079
594950.74	4127776.15	1087.27179	0.00045	0.34432	3.95290E-04	0.01248	1.42836E-05	0.00086
594886.23	4127804.59	955.05308	0.00039	0.41202	4.73012E-04	0.01194	1.36656E-05	0.00088
594950.74	4127804.59	1199.00869	0.00049	0.38140	4.37859E-04	0.01323	1.51420E-05	0.00095
594886.23	4127833.03	1051.12182	0.00043	0.46530	5.34179E-04	0.01263	1.44553E-05	0.00098
594950.74	4127833.03	1326.08826	0.00055	0.42169	4.84113E-04	0.01406	1.60920E-05	0.00105
594886.23	4127861.47	1163.64174	0.00048	0.52555	6.03348E-04	0.01341	1.53480E-05	0.00110
594950.74	4127861.47	1471.00302	0.00061	0.46469	5.33479E-04	0.01494	1.70991E-05	0.00116
594886.23	4127889.91	1290.60276	0.00053	0.59333	6.81162E-04	0.01424	1.62980E-05	0.00123
594950.74	4127889.91	1643.50625	0.00068	0.50914	5.84509E-04	0.01597	1.82780E-05	0.00128
594886.23	4127918.35	1440.53068	0.00059	0.66756	7.66380E-04	0.01519	1.73853E-05	0.00138
594950.74	4127918.35	1842.60656	0.00076	0.55279	6.34620E-04	0.01711	1.95827E-05	0.00141
594834.46	4127713.69	599.42186	0.00025	0.28127	3.22907E-04	0.00918	1.05067E-05	0.00058
594862.34	4127713.69	662.24207	0.00027	0.28184	3.23561E-04	0.00952	1.08958E-05	0.00061
594834.46	4127736.34	638.39268	0.00026	0.31171	3.57853E-04	0.00956	1.09416E-05	0.00063
594862.34	4127736.34	707.45587	0.00029	0.31088	3.56900E-04	0.00996	1.13994E-05	0.00066
594834.46	4127758.99	681.3002	0.00028	0.34605	3.97276E-04	0.00998	1.14223E-05	0.00069
594862.34	4127758.99	757.48546	0.00031	0.34333	3.94154E-04	0.01059	1.21205E-05	0.00072
594834.46	4127781.64	729.50679	0.00030	0.43874	4.41694E-04	0.01062	1.21548E-05	0.00075
594862.34	4127781.64	811.14164	0.00033	0.37979	4.36011E-04	0.01102	1.26126E-05	0.00078
594834.46	4127804.29	781.187	0.00032	0.42879	4.92264E-04	0.01106	1.26584E-05	0.00083
594862.34	4127804.29	872.63459	0.00036	0.42037	4.82598E-04	0.01153	1.31963E-05	0.00086
594834.46	4127826.94	840.56372	0.00035	0.47848	5.49310E-04	0.01158	1.32535E-05	0.00091
594862.34	4127826.94	940.11449	0.00039	0.46593	5.34902E-04	0.01205	1.37915E-05	0.00094
594834.46	4127849.59	905.74028	0.00037	0.53521	6.14438E-04	0.01210	1.38487E-05	0.00100
594862.34	4127849.59	1014.2069	0.00042	0.51715	5.93705E-04	0.01259	1.44095E-05	0.00103
594834.46	4127872.24	977.32135	0.00040	0.60021	6.89060E-04	0.01265	1.44782E-05	0.00111
594862.34	4127872.24	1097.14452	0.00045	0.57453	6.59579E-04	0.01318	1.50848E-05	0.00113
594834.46	4127894.89	1057.50765	0.00044	0.67464	7.74508E-04	0.01325	1.51649E-05	0.00123
594862.34	4127894.89	1193.70695	0.00049	0.63839	7.32892E-04	0.01385	1.58516E-05	0.00124
594834.46	4127917.54	1151.1834	0.00048	0.75950	8.71930E-04	0.01393	1.59432E-05	0.00136
594862.34	4127917.54	1301.14574	0.00054	0.70922	8.14207E-04	0.01458	1.66871E-05	0.00137
595026.39	4127722.45	1142.84781	0.00047	0.26595	3.05319E-04	0.01266	1.44896E-05	0.00079
595026.39	4127759.08	1289.7481	0.00053	0.29734	3.41356E-04	0.01363	1.55998E-05	0.00089
595026.39	4127795.71	1464.03341	0.00060	0.33090	3.79884E-04	0.01476	1.68931E-05	0.00100
595026.39	4127832.34	1670.18243	0.00069	0.36561	4.19732E-04	0.01602	1.83352E-05	0.00113
595026.39	4127868.97	1917.42714	0.00079	0.39953	4.58673E-04	0.01748	2.00062E-05	0.00127
595026.39	4127905.6	2218.5195	0.00092	0.42979	4.93412E-04	0.01918	2.19519E-05	0.00143
595026.39	4127942.23	2581.26466	0.00107	0.45310	5.20173E-04	0.02116	2.42181E-05	0.00161
595026.39	4127978.86	3024.00357	0.00125	0.46741	5.36601E-04	0.02348	2.68733E-05	0.00181
595026.39	4128015.49	3565.04646	0.00147	0.47322	5.43271E-04	0.02646	3.02840E-05	0.00204
595026.39	4128052.12	4229.31319	0.00175	0.47302	5.43042E-04	0.02983	3.41410E-05	0.00232
594967.92	4128313.02	16541.43183	0.00683	0.53498	6.14174E-04	0.08094	9.26375E-05	0.00753
594989.44	4128313.02	16854.84939	0.00696	0.48047	5.51595E-04	0.08633	9.88065E-05	0.00761
595010.96	4128313.02	17025.58736	0.00703	0.43373	4.97936E-04	0.09160	1.04838E-04	0.00763
595032.48	4128313.02	17066.0073	0.00704	0.39322	4.51429E-04	0.09659	1.10549E-04	0.00760
595054	4128313.02	16990.30851	0.00701	0.35776	4.10720E-04	0.10117	1.15791E-04	0.00754
595075.52	4128313.02	16813.49288	0.00694	0.32649	3.74821E-04	0.10533	1.20552E-04	0.00743
594967.92	4128341.65	20102.8328	0.00830	0.51959	5.96506E-04	0.09620	1.10103E-04	0.00900
594989.44	4128341.65	20267.42794	0.00836	0.46610	5.35098E-04	0.10243	1.17233E-04	0.00902
595010.96	4128341.65	20261.44809	0.00836	0.42019	4.82391E-04	0.10838	1.24043E-04	0.00897
595032.48	4128341.65	20105.85178	0.00830	0.38037	4.36677E-04	0.11389	1.30349E-04	0.00886
595054	4128341.65	19822.2504	0.00818	0.34551	3.96656E-04	0.11884	1.36015E-04	0.00871
595075.52	4128341.65	19432.18478	0.00802	0.31479	3.61389E-04	0.12322	1.41028E-04	0.00852
594967.92	4128370.28	24513.55515	0.01012	0.50321	5.77701E-04	0.11569	1.32410E-04	0.01083
594989.44	4128370.28	24412.58535	0.01007	0.45082	5.17556E-04	0.12292	1.40684E-04	0.01073
595010.96	4128370.28	24117.51233	0.00995	0.40565	4.65699E-04	0.12954	1.48261E-04	0.01057
595032.48	4128370.28	23659.51281	0.00976	0.36627	4.20490E-04	0.13530	1.54854E-04	0.01034
595054	4128370.28	23072.67444	0.00952	0.33194	3.81078E-04	0.14051	1.60817E-04	0.01006
595075.52	4128370.28	22385.60466	0.00924	0.30183	3.46510E-04	0.14519	1.66173E-04	0.00975
594967.92	4128398.91	29921.98485	0.01235	0.48563	5.57519E-04	0.14086	1.61217E-04	0.01307
594989.44	4128398.91	29378.45114	0.01212	0.43390	4.98131E-04	0.14893	1.70453E-04	0.01279
595010.96	4128398.91	28637.15035	0.01182	0.38938	4.47021E-04	0.15614	1.78705E-04	0.01244
595032.48	4128398.91	27741.07095	0.01145	0.35072	4.02638E-04	0.16242	1.85893E-04	0.01204
595054	4128398.91	26729.61885	0.01103	0.31691	3.63823E-04	0.16773	1.91970E-04	0.01159

595075.52	4128398.91	25638.91294	0.01058	0.28728	3.29807E-04	0.17214	1.97018E-04	0.01111
594967.92	4128427.54	36442.06638	0.01504	0.46655	5.35614E-04	0.17554	2.00909E-04	0.01577
594989.44	4128427.54	35210.63185	0.01453	0.41460	4.75974E-04	0.18341	2.09917E-04	0.01522
595010.96	4128427.54	33815.69897	0.01395	0.37069	4.25564E-04	0.19087	2.18455E-04	0.01460
595032.48	4128427.54	32304.04015	0.01333	0.33259	3.81824E-04	0.19700	2.25471E-04	0.01394
595054	4128427.54	30724.25058	0.01268	0.29956	3.43904E-04	0.20193	2.31113E-04	0.01325
595075.52	4128427.54	29114.00551	0.01201	0.27079	3.10875E-04	0.20565	2.35371E-04	0.01256
595000.73	4128430.99	35205.57503	0.01453	0.38819	4.45654E-04	0.19233	2.20126E-04	0.01519
595032.09	4128430.99	32912.424	0.01358	0.33089	3.79872E-04	0.20173	2.30884E-04	0.01419
595063.45	4128430.99	30487.05172	0.01258	0.28428	3.26362E-04	0.20836	2.38472E-04	0.01315
595000.73	4128448.25	38907.37005	0.01605	0.37546	4.31040E-04	0.21995	2.51737E-04	0.01674
595032.09	4128448.25	35891.60055	0.01481	0.31856	3.65717E-04	0.22827	2.61260E-04	0.01544
595063.45	4128448.25	32848.31361	0.01355	0.27270	3.13068E-04	0.23390	2.67703E-04	0.01414
595000.73	4128465.51	42814.54276	0.01767	0.36143	4.14933E-04	0.25361	2.90262E-04	0.01837
595032.09	4128465.51	38966.57109	0.01608	0.30520	3.50379E-04	0.25918	2.96637E-04	0.01673
595063.45	4128465.51	35223.06874	0.01453	0.26033	2.98867E-04	0.26316	3.01192E-04	0.01513
595056.55	4128477.03	37709.55747	0.01556	0.26077	2.99372E-04	0.28426	3.25341E-04	0.01619
595097.42	4128477.03	32540.89955	0.01343	0.21417	2.45874E-04	0.28272	3.23579E-04	0.01400
595138.29	4128477.03	27935.99348	0.01153	0.17846	2.04878E-04	0.27763	3.17753E-04	0.01205
595056.55	4128506.38	41754.49939	0.01723	0.23755	2.72715E-04	0.35150	4.02299E-04	0.01790
595097.42	4128506.38	35119.54814	0.01449	0.19474	2.23568E-04	0.34023	3.89400E-04	0.01510
595138.29	4128506.38	29460.78009	0.01216	0.16208	1.86073E-04	0.32526	3.72267E-04	0.01272
595185.07	4128542.78	24098.20111	0.00994	0.11801	1.35479E-04	0.35917	4.11077E-04	0.01049
595200.24	4128542.78	22374.12096	0.00923	0.11159	1.28109E-04	0.34935	3.99838E-04	0.00976
595215.41	4128542.78	20783.01697	0.00858	0.10566	1.21301E-04	0.33992	3.89045E-04	0.00909
595230.58	4128542.78	19318.92178	0.00797	0.10028	1.15125E-04	0.33089	3.78710E-04	0.00847
595245.75	4128542.78	17972.54385	0.00742	0.09534	1.09453E-04	0.32239	3.68982E-04	0.00789
595260.92	4128542.78	16733.93174	0.00691	0.09079	1.04230E-04	0.31420	3.59608E-04	0.00737
595276.09	4128542.78	15594.51672	0.00644	0.08659	9.94081E-05	0.30639	3.50670E-04	0.00689
595291.26	4128542.78	14545.85546	0.00600	0.08271	9.49537E-05	0.29888	3.42074E-04	0.00644
595306.43	4128542.78	13580.11812	0.00560	0.07912	9.08323E-05	0.29156	3.33696E-04	0.00603
595321.6	4128542.78	12690.62415	0.00524	0.07577	8.69864E-05	0.28452	3.25639E-04	0.00565
595185.07	4128563.98	23622.66877	0.00975	0.10927	1.25445E-04	0.39103	4.47542E-04	0.01032
595200.24	4128563.98	21840.47853	0.00901	0.10371	1.19062E-04	0.37916	4.33956E-04	0.00957
595215.41	4128563.98	20198.0596	0.00833	0.09848	1.13058E-04	0.36771	4.20852E-04	0.00887
595230.58	4128563.98	18696.63614	0.00772	0.09352	1.07364E-04	0.35665	4.08193E-04	0.00823
595245.75	4128563.98	17326.28086	0.00715	0.08906	1.02244E-04	0.34636	3.96416E-04	0.00765
595260.92	4128563.98	16074.93778	0.00663	0.08494	9.75138E-05	0.33656	3.85200E-04	0.00712
595276.09	4128563.98	14931.91172	0.00616	0.08114	9.31513E-05	0.32730	3.74602E-04	0.00663
595291.26	4128563.98	13886.5965	0.00573	0.07757	8.90528E-05	0.31836	3.64370E-04	0.00618
595306.43	4128563.98	12930.42436	0.00534	0.07432	8.53217E-05	0.30992	3.54710E-04	0.00578
595321.6	4128563.98	12055.43104	0.00497	0.07133	8.18891E-05	0.30196	3.45599E-04	0.00540
595185.07	4128585.18	22758.27007	0.00939	0.10115	1.16123E-04	0.42368	4.84910E-04	0.00999
595200.24	4128585.18	20963.03566	0.00865	0.09631	1.10567E-04	0.40992	4.69162E-04	0.00923
595215.41	4128585.18	19314.43984	0.00797	0.09169	1.05263E-04	0.39643	4.53722E-04	0.00853
595230.58	4128585.18	17815.86469	0.00735	0.08740	1.00338E-04	0.38358	4.39015E-04	0.00789
595245.75	4128585.18	16455.63903	0.00679	0.08329	9.56195E-05	0.37114	4.24777E-04	0.00731
595260.92	4128585.18	15221.56636	0.00628	0.07953	9.13029E-05	0.35953	4.11489E-04	0.00678
595276.09	4128585.18	14101.78812	0.00582	0.07610	8.73652E-05	0.34877	3.99174E-04	0.00631
595291.26	4128585.18	13084.14242	0.00540	0.07291	8.37030E-05	0.33865	3.87592E-04	0.00587
595306.43	4128585.18	12158.65802	0.00502	0.06996	8.03163E-05	0.32903	3.76582E-04	0.00547
595321.6	4128585.18	11316.54041	0.00467	0.06725	7.72051E-05	0.31999	3.66235E-04	0.00511
595185.07	4128606.38	21488.6272	0.00887	0.09348	1.07318E-04	0.45680	5.22817E-04	0.00950
595200.24	4128606.38	19727.39454	0.00814	0.08927	1.02485E-04	0.44114	5.04894E-04	0.00875
595215.41	4128606.38	18130.16873	0.00748	0.08527	9.78926E-05	0.42605	4.87623E-04	0.00807
595230.58	4128606.38	16689.0506	0.00689	0.08155	9.36220E-05	0.41162	4.71108E-04	0.00745
595245.75	4128606.38	15386.342	0.00635	0.07808	8.96383E-05	0.39759	4.55050E-04	0.00689



**1410 South Bascom Avenue Project**

**Unmitigated  
at Sensitive Receptors**

**Annual Average PM2.5 Total (Exhaust + Fugitive Dust)**

X (m)	Y (m)	2020	2021	2022	Max	Maximum
		PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	0.46 BAAQMD threshold of significance 0.3 Exceed thresholds? Yes
593913.11	4129158.33	0.00547306	0.00174184	0.00148435	0.00547	
593960.92	4129158.33	0.00598639	0.00190042	0.00161895	0.00599	
594008.73	4129158.33	0.00654875	0.002074	0.00176628	0.00655	
594056.54	4129158.33	0.00716026	0.0022627	0.00192643	0.00716	
594104.35	4129158.33	0.00781269	0.00246412	0.00209739	0.00781	
594152.16	4129158.33	0.00849575	0.0026752	0.00227657	0.00850	
594199.97	4129158.33	0.00918937	0.00288991	0.00245887	0.00919	
594247.78	4129158.33	0.00986078	0.00309844	0.002636	0.00986	
594295.59	4129158.33	0.01046702	0.00328799	0.00279715	0.01047	
594343.4	4129158.33	0.01096132	0.00344465	0.00293058	0.01096	
594391.21	4129158.33	0.01129145	0.00355312	0.00302339	0.01129	
594439.02	4129158.33	0.0114238	0.00360332	0.00306706	0.01142	
594486.83	4129158.33	0.01135279	0.00359347	0.00306008	0.01135	
594534.64	4129158.33	0.01107017	0.00352141	0.00300065	0.01107	
594582.45	4129158.33	0.01056917	0.00338632	0.00288823	0.01057	
594630.26	4129158.33	0.00991495	0.00320941	0.00274094	0.00991	
593913.11	4129192.59	0.00538144	0.00171204	0.00145888	0.00538	
593960.92	4129192.59	0.00584918	0.00185667	0.00158166	0.00585	
594008.73	4129192.59	0.00635375	0.00201259	0.00171402	0.00635	
594056.54	4129192.59	0.00688993	0.00217834	0.00185473	0.00689	
594104.35	4129192.59	0.00745067	0.00235191	0.0020021	0.00745	
594152.16	4129192.59	0.00801893	0.00252816	0.00215178	0.00802	
594199.97	4129192.59	0.00857214	0.00270035	0.00229808	0.00857	
594247.78	4129192.59	0.00907894	0.00285909	0.00243308	0.00908	
594295.59	4129192.59	0.00950258	0.00299346	0.00254754	0.00950	
594343.4	4129192.59	0.00980661	0.00309268	0.00263236	0.00981	
594391.21	4129192.59	0.00996727	0.00314974	0.00268164	0.00997	
594439.02	4129192.59	0.00997189	0.0031608	0.00269213	0.00997	
594486.83	4129192.59	0.00982215	0.0031264	0.00266428	0.00982	
594534.64	4129192.59	0.00952031	0.00304755	0.00259899	0.00952	
594582.45	4129192.59	0.00906457	0.00292474	0.00249679	0.00906	
594630.26	4129192.59	0.0085142	0.00277706	0.00237399	0.00851	
593913.11	4129226.85	0.00525989	0.00167328	0.00142584	0.00526	
593960.92	4129226.85	0.00568292	0.00180425	0.00153705	0.00568	
594008.73	4129226.85	0.00612931	0.0019424	0.00165434	0.00613	
594056.54	4129226.85	0.00659359	0.00208622	0.00177647	0.00659	
594104.35	4129226.85	0.00706576	0.0022329	0.00190106	0.00707	
594152.16	4129226.85	0.00752725	0.0023768	0.00202336	0.00753	
594199.97	4129226.85	0.00795547	0.00251116	0.00213765	0.00796	
594247.78	4129226.85	0.00832256	0.00262765	0.00223688	0.00832	
594295.59	4129226.85	0.00860052	0.00271795	0.00231404	0.00860	
594343.4	4129226.85	0.00876656	0.00277534	0.00236345	0.00877	
594391.21	4129226.85	0.00881379	0.00279791	0.00238351	0.00881	
594439.02	4129226.85	0.00874474	0.00278617	0.00237464	0.00874	
594486.83	4129226.85	0.0085634	0.00274144	0.00233796	0.00856	
594534.64	4129226.85	0.0082682	0.00266365	0.00227345	0.00827	
594582.45	4129226.85	0.0078583	0.00255348	0.00218182	0.00786	
594630.26	4129226.85	0.00738701	0.00242806	0.00207766	0.00739	
593913.11	4129261.11	0.00511558	0.00162759	0.00138694	0.00512	
593960.92	4129261.11	0.00549281	0.00174459	0.0014863	0.00549	
594008.73	4129261.11	0.00588436	0.00186611	0.00158952	0.00588	
594056.54	4129261.11	0.00628064	0.00198932	0.00169419	0.00628	
594104.35	4129261.11	0.00666893	0.00211055	0.00179724	0.00667	
594152.16	4129261.11	0.00703396	0.0022521	0.00189478	0.00703	
594199.97	4129261.11	0.00735386	0.00232678	0.00198131	0.00735	
594247.78	4129261.11	0.00760621	0.00240853	0.00205114	0.00761	
594295.59	4129261.11	0.00777185	0.00246481	0.00209949	0.00777	
594343.4	4129261.11	0.00784093	0.00249271	0.00212392	0.00784	
594391.21	4129261.11	0.00781738	0.0024934	0.00212541	0.00782	
594439.02	4129261.11	0.00771003	0.00246959	0.00210627	0.00771	
594486.83	4129261.11	0.00752246	0.00242228	0.00206732	0.00752	

594534.64	4129261.11	0.00724674	0.00234949	0.00200695	0.00725
594582.45	4129261.11	0.00687903	0.002251	0.00192507	0.00688
594630.26	4129261.11	0.00647363	0.00214403	0.00183635	0.00647
593913.11	4129295.37	0.00495524	0.00157722	0.00134409	0.00496
593960.92	4129295.37	0.00528776	0.00168059	0.0014319	0.00529
594008.73	4129295.37	0.00562461	0.00178548	0.00152103	0.00562
594056.54	4129295.37	0.00595616	0.00188907	0.00160909	0.00596
594104.35	4129295.37	0.00626952	0.00198753	0.00169286	0.00627
594152.16	4129295.37	0.00654945	0.0020764	0.00176857	0.00655
594199.97	4129295.37	0.00677799	0.00215029	0.00183166	0.00678
594247.78	4129295.37	0.00693892	0.00220435	0.00187804	0.00694
594295.59	4129295.37	0.00702184	0.00223548	0.0019051	0.00702
594343.4	4129295.37	0.00702613	0.00224354	0.0019127	0.00703
594391.21	4129295.37	0.00696205	0.00223159	0.00190346	0.00696
594439.02	4129295.37	0.00683825	0.00220217	0.00187949	0.00684
594486.83	4129295.37	0.00665552	0.00215561	0.0018411	0.00666
594534.64	4129295.37	0.00640073	0.00208841	0.00178537	0.00640
594582.45	4129295.37	0.00607209	0.00200076	0.00171255	0.00607
594630.26	4129295.37	0.00572429	0.00190987	0.00163728	0.00572
593913.11	4129329.63	0.00478237	0.00152319	0.00129815	0.00478
593960.92	4129329.63	0.00507075	0.00161311	0.00137457	0.00507
594008.73	4129329.63	0.00535609	0.00170231	0.00145041	0.00536
594056.54	4129329.63	0.00562822	0.00178786	0.0015232	0.00563
594104.35	4129329.63	0.00587451	0.001866	0.00158976	0.00587
594152.16	4129329.63	0.00607969	0.00193221	0.00164628	0.00608
594199.97	4129329.63	0.00623315	0.00198334	0.0016901	0.00623
594247.78	4129329.63	0.00632443	0.00201623	0.00171856	0.00632
594295.59	4129329.63	0.00634989	0.00202982	0.00173074	0.00635
594343.4	4129329.63	0.00631375	0.00202534	0.0017277	0.00631
594391.21	4129329.63	0.00622771	0.00200627	0.00171237	0.00623
594439.02	4129329.63	0.00610248	0.00197586	0.0016875	0.00610
594486.83	4129329.63	0.0059298	0.00193171	0.00165108	0.00593
594534.64	4129329.63	0.00569563	0.00187002	0.00159992	0.00570
594582.45	4129329.63	0.00540172	0.00179202	0.00153518	0.00540
594630.26	4129329.63	0.00509921	0.00171366	0.00147038	0.00510
593913.11	4129363.89	0.0045997	0.00146626	0.00124977	0.00460
593960.92	4129363.89	0.0048467	0.00154356	0.0013155	0.00485
594008.73	4129363.89	0.00508337	0.001618	0.00137883	0.00508
594056.54	4129363.89	0.00530032	0.00168678	0.00143742	0.00530
594104.35	4129363.89	0.00548695	0.00174682	0.00148865	0.00549
594152.16	4129363.89	0.00563167	0.00179468	0.00152964	0.00563
594199.97	4129363.89	0.00572541	0.00182764	0.00155807	0.00573
594247.78	4129363.89	0.00576378	0.00184441	0.00157287	0.00576
594295.59	4129363.89	0.00574915	0.00184565	0.00157457	0.00575
594343.4	4129363.89	0.00569005	0.00183388	0.00156533	0.00569
594391.21	4129363.89	0.00559962	0.00181308	0.00154848	0.00560
594439.02	4129363.89	0.00547621	0.00178265	0.00152353	0.00548
594486.83	4129363.89	0.00531617	0.00174173	0.00148977	0.00532
594534.64	4129363.89	0.00509978	0.00168479	0.00144256	0.00510
594582.45	4129363.89	0.0048354	0.00161495	0.00138463	0.00484
594630.26	4129363.89	0.00457226	0.00154745	0.0013289	0.00457
593913.11	4129398.15	0.004411	0.00140758	0.00119991	0.00441
593960.92	4129398.15	0.00461889	0.00147298	0.00125557	0.00462
594008.73	4129398.15	0.00481083	0.00153381	0.00130737	0.00481
594056.54	4129398.15	0.00497969	0.00158801	0.00135361	0.00498
594104.35	4129398.15	0.00511526	0.00163255	0.00139172	0.00512
594152.16	4129398.15	0.00520937	0.00166501	0.00141966	0.00521
594199.97	4129398.15	0.00525715	0.00168397	0.00143624	0.00526
594247.78	4129398.15	0.00525864	0.00168941	0.00144142	0.00526
594295.59	4129398.15	0.00521969	0.00168305	0.00143666	0.00522
594343.4	4129398.15	0.00514991	0.0016677	0.00142435	0.00515
594391.21	4129398.15	0.00505837	0.00164612	0.00140679	0.00506
594439.02	4129398.15	0.00494402	0.00161792	0.00138366	0.00494
594486.83	4129398.15	0.00479347	0.00157934	0.00135182	0.00479
594534.64	4129398.15	0.0045951	0.00152727	0.00130867	0.00460
594582.45	4129398.15	0.00435611	0.00146436	0.00125652	0.00436
594630.26	4129398.15	0.00412572	0.00140579	0.00120824	0.00413
593913.11	4129432.41	0.00421827	0.00134774	0.00114909	0.00422

593960.92	4129432.41	0.00438863	0.00140171	0.00119505	0.00439
594008.73	4129432.41	0.00454177	0.00145076	0.00123689	0.00454
594056.54	4129432.41	0.00466763	0.0014919	0.00127206	0.00467
594104.35	4129432.41	0.00475914	0.00152302	0.0012988	0.00476
594152.16	4129432.41	0.00481287	0.0015432	0.00131634	0.00481
594199.97	4129432.41	0.0048265	0.00155169	0.00132404	0.00483
594247.78	4129432.41	0.00480315	0.00154943	0.00132269	0.00480
594295.59	4129432.41	0.00475062	0.00153868	0.00131418	0.00475
594343.4	4129432.41	0.00467943	0.00152259	0.00130119	0.00468
594391.21	4129432.41	0.00459167	0.00150167	0.00128414	0.00459
594439.02	4129432.41	0.00448473	0.00147526	0.00126248	0.00448
594486.83	4129432.41	0.00434498	0.00143947	0.00123294	0.00434
594534.64	4129432.41	0.00415969	0.00139083	0.00119264	0.00416
594582.45	4129432.41	0.00394355	0.00133417	0.00114569	0.00394
594630.26	4129432.41	0.00374124	0.00128322	0.00110376	0.00374
593913.11	4129466.67	0.00402362	0.00128739	0.00109784	0.00402
593960.92	4129466.67	0.00416066	0.00133124	0.00113523	0.00416
594008.73	4129466.67	0.00427763	0.00136929	0.00116775	0.00428
594056.54	4129466.67	0.00436699	0.0013993	0.00119349	0.00437
594104.35	4129466.67	0.00442398	0.00141992	0.00121134	0.00442
594152.16	4129466.67	0.00444671	0.0014306	0.00122083	0.00445
594199.97	4129466.67	0.00443618	0.00143165	0.00122221	0.00444
594247.78	4129466.67	0.0043975	0.00142454	0.00121672	0.00440
594295.59	4129466.67	0.00433907	0.00141173	0.00120644	0.00434
594343.4	4129466.67	0.00426893	0.00139557	0.00119336	0.00427
594391.21	4129466.67	0.00418756	0.0013762	0.00117757	0.00419
594439.02	4129466.67	0.00408874	0.00135183	0.00115759	0.00409
594486.83	4129466.67	0.00395689	0.00131797	0.00112963	0.00396
594534.64	4129466.67	0.00378431	0.00127268	0.0010921	0.00378
594582.45	4129466.67	0.00358823	0.00122146	0.00104969	0.00359
594630.26	4129466.67	0.00341004	0.00117699	0.00101315	0.00341
594331.14	4128962.5	0.01763891	0.00548906	0.00466383	0.01764
594357.05	4128962.5	0.01917516	0.0059574	0.00506067	0.01918
594382.96	4128962.5	0.02082089	0.00645896	0.00548562	0.02082
594408.87	4128962.5	0.02255989	0.006989	0.00593472	0.02256
594434.78	4128962.5	0.02436835	0.00754037	0.0064019	0.02437
594460.69	4128962.5	0.0262058	0.00810109	0.00687707	0.02621
594486.6	4128962.5	0.02801351	0.00865363	0.00734541	0.02801
594331.14	4129004.55	0.01639821	0.00510538	0.00433811	0.01640
594357.05	4129004.55	0.01755478	0.00545893	0.00463779	0.01755
594382.96	4129004.55	0.0187393	0.00582128	0.00494496	0.01874
594408.87	4129004.55	0.01993481	0.0061873	0.00525527	0.01993
594434.78	4129004.55	0.02109639	0.0065438	0.0055576	0.02110
594460.69	4129004.55	0.02218832	0.00688	0.00584286	0.02219
594486.6	4129004.55	0.02316008	0.00718083	0.00609828	0.02316
594331.14	4129046.6	0.01490759	0.00464801	0.00395024	0.01491
594357.05	4129046.6	0.01572549	0.00489934	0.00416342	0.01573
594382.96	4129046.6	0.01652539	0.00514561	0.00437236	0.01653
594408.87	4129046.6	0.01727538	0.00537742	0.00456915	0.01728
594434.78	4129046.6	0.01795541	0.00558873	0.00474865	0.01796
594460.69	4129046.6	0.01853405	0.00577019	0.00490299	0.01853
594486.6	4129046.6	0.0189826	0.00591315	0.00502484	0.01898
594331.14	4129088.65	0.01333833	0.00416823	0.00354356	0.01334
594357.05	4129088.65	0.01388322	0.00433714	0.00368699	0.01388
594382.96	4129088.65	0.01437714	0.00449116	0.00381789	0.01438
594408.87	4129088.65	0.01480658	0.00462626	0.00393285	0.01481
594434.78	4129088.65	0.01515718	0.00473813	0.00402822	0.01516
594460.69	4129088.65	0.01541127	0.0048215	0.00409954	0.01541
594486.6	4129088.65	0.01555825	0.00487317	0.00414411	0.01556
594331.14	4129130.7	0.0118044	0.00370007	0.00314682	0.01180
594357.05	4129130.7	0.01213446	0.00380417	0.00323542	0.01213
594382.96	4129130.7	0.01241054	0.00389241	0.00331066	0.01241
594408.87	4129130.7	0.01262317	0.00396196	0.00337014	0.01262
594434.78	4129130.7	0.01276882	0.00401176	0.00341296	0.01277
594460.69	4129130.7	0.01283647	0.00403852	0.00343634	0.01284
594486.6	4129130.7	0.0128249	0.00404187	0.00343997	0.01282
595047.1	4127721.65	0.0021074	0.00091844	0.00081008	0.00211
595080.55	4127721.65	0.00228016	0.0009609	0.00084488	0.00228

595047.1	4127745.31	0.00227985	0.00099027	0.00087317	0.00228
595080.55	4127745.31	0.00245995	0.00103259	0.00090757	0.00246
595047.1	4127768.97	0.00246455	0.00106658	0.00094014	0.00246
595080.55	4127768.97	0.00265887	0.00111043	0.00097552	0.00266
595047.1	4127792.63	0.00267219	0.00115039	0.00101352	0.00267
595080.55	4127792.63	0.0028848	0.00119657	0.0010505	0.00288
595047.1	4127816.29	0.00290648	0.00124251	0.00109396	0.00291
595080.55	4127816.29	0.00313314	0.00128926	0.00113099	0.00313
595047.1	4127839.95	0.00316144	0.00134055	0.00117938	0.00316
595080.55	4127839.95	0.00340951	0.00138971	0.00121798	0.00341
595047.1	4127863.61	0.00344599	0.00144664	0.0012715	0.00345
595080.55	4127863.61	0.0037214	0.00149969	0.00131288	0.00372
595047.1	4127887.27	0.00377243	0.0015638	0.00137281	0.00377
595080.55	4127887.27	0.00406161	0.00161636	0.00141324	0.00406
595047.1	4127910.93	0.00413442	0.0016893	0.0014809	0.00413
595080.55	4127910.93	0.00444864	0.00174508	0.00152355	0.00445
595047.1	4127934.59	0.00454142	0.00182533	0.00159754	0.00454
595080.55	4127934.59	0.00487503	0.00188293	0.00164125	0.00488
595047.1	4127958.25	0.0049974	0.00197295	0.00172362	0.00500
595080.55	4127958.25	0.00535351	0.00203372	0.00176959	0.00535
595047.1	4127981.91	0.00550953	0.00213389	0.00186054	0.00551
595080.55	4127981.91	0.00589167	0.00220007	0.0019108	0.00589
595047.1	4128005.57	0.00608973	0.00231244	0.00201202	0.00609
595080.55	4128005.57	0.0064985	0.00238522	0.0020677	0.00650
595047.1	4128029.23	0.00674914	0.00251271	0.00218163	0.00675
595080.55	4128029.23	0.00718376	0.00259252	0.00224316	0.00718
595047.1	4128052.89	0.00750029	0.00273914	0.00237319	0.00750
595080.55	4128052.89	0.00795877	0.00282574	0.00244041	0.00796
594886.23	4127719.27	0.00135218	0.00071854	0.00064421	0.00135
594950.74	4127719.27	0.0016297	0.00079453	0.0007076	0.00163
594886.23	4127747.71	0.00147716	0.00079478	0.00071321	0.00148
594950.74	4127747.71	0.00178563	0.00087419	0.00077881	0.00179
594886.23	4127776.15	0.00161754	0.00088097	0.00079126	0.00162
594950.74	4127776.15	0.001961	0.00096309	0.00085823	0.00196
594886.23	4127804.59	0.00178094	0.00097992	0.00088078	0.00178
594950.74	4127804.59	0.00216314	0.00106348	0.00094777	0.00216
594886.23	4127833.03	0.00196623	0.00109226	0.00098242	0.00197
594950.74	4127833.03	0.00239203	0.00117534	0.00104741	0.00239
594886.23	4127861.47	0.00218175	0.0012211	0.00109887	0.00218
594950.74	4127861.47	0.00265146	0.00129926	0.00115758	0.00265
594886.23	4127889.91	0.00242498	0.00136621	0.00123002	0.00242
594950.74	4127889.91	0.0029567	0.00143858	0.00128097	0.00296
594886.23	4127918.35	0.00270912	0.0015305	0.0013782	0.00271
594950.74	4127918.35	0.00330494	0.00159005	0.00141455	0.00330
594834.46	4127713.69	0.00113065	0.00064454	0.00058076	0.00113
594862.34	4127713.69	0.00123354	0.00067631	0.00060773	0.00123
594834.46	4127736.34	0.00121046	0.00070091	0.00063222	0.00121
594862.34	4127736.34	0.00132282	0.0007341	0.00066023	0.00132
594834.46	4127758.99	0.00129878	0.00076397	0.00068983	0.00130
594862.34	4127758.99	0.00142186	0.00079861	0.00071885	0.00142
594834.46	4127781.64	0.00139815	0.00083516	0.00075488	0.00140
594862.34	4127781.64	0.00152882	0.0008695	0.00078334	0.00153
594834.46	4127804.29	0.00150591	0.0009143	0.00082728	0.00151
594862.34	4127804.29	0.00165078	0.00094931	0.00085588	0.00165
594834.46	4127826.94	0.00162923	0.00100412	0.00090942	0.00163
594862.34	4127826.94	0.00178514	0.00103809	0.00093663	0.00179
594834.46	4127849.59	0.00176574	0.00110531	0.00100204	0.00177
594862.34	4127849.59	0.00193327	0.00113697	0.00102662	0.00193
594834.46	4127872.24	0.00191707	0.00121968	0.00110683	0.00192
594862.34	4127872.24	0.00209911	0.0012477	0.0011274	0.00210
594834.46	4127894.89	0.00208743	0.00134974	0.00122605	0.00209
594862.34	4127894.89	0.00229063	0.00137303	0.00124132	0.00229
594834.46	4127917.54	0.00228535	0.00149912	0.0013629	0.00229
594862.34	4127917.54	0.00250359	0.00151219	0.00136781	0.00250
595026.39	4127722.45	0.00201028	0.00089548	0.0007914	0.00201
595026.39	4127759.08	0.00226685	0.00100641	0.00088917	0.00227
595026.39	4127795.71	0.0025693	0.00113352	0.0010009	0.00257
595026.39	4127832.34	0.00292437	0.00127775	0.00112726	0.00292

595026.39	4127868.97	0.00334612	0.00144132	0.0012699	0.00335
595026.39	4127905.6	0.00385385	0.00162703	0.00143083	0.00385
595026.39	4127942.23	0.00445855	0.00183476	0.00160954	0.00446
595026.39	4127978.86	0.00518909	0.00207105	0.00181132	0.00519
595026.39	4128015.49	0.00607574	0.00234583	0.00204466	0.00608
595026.39	4128052.12	0.00716029	0.00267396	0.00232239	0.00716
594967.92	4128313.02	0.02729114	0.0088216	0.00753257	0.02729
594989.44	4128313.02	0.0277761	0.00891507	0.00760549	0.02778
595010.96	4128313.02	0.02803252	0.00894816	0.00762832	0.02803
595032.48	4128313.02	0.02807963	0.00892484	0.0076042	0.02808
595054	4128313.02	0.0279399	0.00885045	0.0075375	0.02794
595075.52	4128313.02	0.02763732	0.00873126	0.0074334	0.02764
594967.92	4128341.65	0.03309683	0.01056008	0.00900197	0.03310
594989.44	4128341.65	0.03334016	0.01058315	0.00901561	0.03334
595010.96	4128341.65	0.03330929	0.01053178	0.00896725	0.03331
595032.48	4128341.65	0.0330375	0.01041423	0.00886363	0.03304
595054	4128341.65	0.03255936	0.01023951	0.00871225	0.03256
595075.52	4128341.65	0.03190955	0.01001715	0.00852104	0.03191
594967.92	4128370.28	0.04028878	0.01271711	0.01082554	0.04029
594989.44	4128370.28	0.04010031	0.01261307	0.01073201	0.04010
595010.96	4128370.28	0.0395989	0.01242227	0.01056596	0.03960
595032.48	4128370.28	0.03883449	0.01215792	0.01033836	0.03883
595054	4128370.28	0.03786243	0.01183612	0.01006275	0.03786
595075.52	4128370.28	0.03672893	0.01146986	0.00975002	0.03673
594967.92	4128398.91	0.04910956	0.01536663	0.01306594	0.04911
594989.44	4128398.91	0.04820041	0.01504834	0.0127915	0.04820
595010.96	4128398.91	0.04697221	0.0146412	0.01244274	0.04697
595032.48	4128398.91	0.04549431	0.01416447	0.01203578	0.04549
595054	4128398.91	0.04383037	0.01363612	0.01158567	0.04383
595075.52	4128398.91	0.04203897	0.01307306	0.01110663	0.04204
594967.92	4128427.54	0.05974676	0.01856853	0.01577421	0.05975
594989.44	4128427.54	0.05771597	0.0179139	0.01521543	0.05772
595010.96	4128427.54	0.05542268	0.01718869	0.01459794	0.05542
595032.48	4128427.54	0.05294148	0.01641194	0.01393744	0.05294
595054	4128427.54	0.05035125	0.01560661	0.01325327	0.05035
595075.52	4128427.54	0.04771299	0.01479011	0.01256004	0.04771
595000.73	4128430.99	0.05769847	0.01789021	0.01519323	0.05770
595032.09	4128430.99	0.05393486	0.01671261	0.01419195	0.05393
595063.45	4128430.99	0.04995989	0.01548006	0.01314521	0.04996
595000.73	4128448.25	0.06374095	0.01971538	0.01673776	0.06374
595032.09	4128448.25	0.05879897	0.01818417	0.01543752	0.05880
595063.45	4128448.25	0.05381654	0.01664966	0.01413551	0.05382
595000.73	4128465.51	0.07012073	0.02164654	0.01837246	0.07012
595032.09	4128465.51	0.063821	0.01970654	0.01672643	0.06382
595063.45	4128465.51	0.05769674	0.01782938	0.01513473	0.05770
595056.55	4128477.03	0.06176155	0.01906932	0.01618543	0.06176
595097.42	4128477.03	0.05331019	0.01648763	0.01399734	0.05331
595138.29	4128477.03	0.04578173	0.01419008	0.01205032	0.04578
595056.55	4128506.38	0.06837876	0.02109716	0.01790486	0.06838
595097.42	4128506.38	0.05753392	0.01779247	0.01510492	0.05753
595138.29	4128506.38	0.04828387	0.01497218	0.01271522	0.04828
595185.07	4128542.78	0.03953639	0.01234171	0.01049059	0.03954
595200.24	4128542.78	0.03671723	0.01148036	0.00976055	0.03672
595215.41	4128542.78	0.03411532	0.010685	0.00908638	0.03412
595230.58	4128542.78	0.03172096	0.0099528	0.00846572	0.03172
595245.75	4128542.78	0.02951901	0.00927924	0.00789474	0.02952
595260.92	4128542.78	0.02749311	0.00865913	0.00736903	0.02749
595276.09	4128542.78	0.0256293	0.00808834	0.0068851	0.02563
595291.26	4128542.78	0.02391377	0.00756261	0.00643932	0.02391
595306.43	4128542.78	0.02233368	0.00707794	0.00602832	0.02233
595321.6	4128542.78	0.02087815	0.00663112	0.00564937	0.02088
595185.07	4128563.98	0.03877334	0.01213744	0.0103208	0.03877
595200.24	4128563.98	0.03585883	0.0112463	0.00956541	0.03586
595215.41	4128563.98	0.03317257	0.01042429	0.00886857	0.03317
595230.58	4128563.98	0.03071651	0.00967192	0.00823066	0.03072
595245.75	4128563.98	0.02847478	0.00898507	0.00764829	0.02847
595260.92	4128563.98	0.02642751	0.00835733	0.00711598	0.02643
595276.09	4128563.98	0.02455726	0.00778351	0.00662935	0.02456

595291.26	4128563.98	0.0228466	0.00725806	0.00618368	0.02285
595306.43	4128563.98	0.02128168	0.00677712	0.00577572	0.02128
595321.6	4128563.98	0.0198495	0.0063367	0.00540212	0.01985
595185.07	4128585.18	0.03737711	0.01174504	0.00999215	0.03738
595200.24	4128585.18	0.03444072	0.01084612	0.00923005	0.03444
595215.41	4128585.18	0.03174364	0.01001937	0.00852902	0.03174
595230.58	4128585.18	0.02929163	0.00926704	0.00789101	0.02929
595245.75	4128585.18	0.02706547	0.00858296	0.00731076	0.02707
595260.92	4128585.18	0.02504558	0.0079619	0.00678392	0.02505
595276.09	4128585.18	0.02321264	0.00739807	0.00630559	0.02321
595291.26	4128585.18	0.02154666	0.00688516	0.00587042	0.02155
595306.43	4128585.18	0.02003132	0.00641814	0.00547412	0.02003
595321.6	4128585.18	0.0186523	0.00599281	0.00511317	0.01865
595185.07	4128606.38	0.03532074	0.01115591	0.00949734	0.03532
595200.24	4128606.38	0.03243911	0.01027205	0.00874782	0.03244
595215.41	4128606.38	0.02982526	0.00946921	0.00806686	0.02983
595230.58	4128606.38	0.02746638	0.00874371	0.00745141	0.02747
595245.75	4128606.38	0.02533349	0.00808657	0.00689381	0.02533
595260.92	4128606.38	0.0233976	0.00748947	0.00638708	0.02340
595276.09	4128606.38	0.02164726	0.00694909	0.00592843	0.02165
595291.26	4128606.38	0.02006454	0.0064599	0.00551316	0.02006
595306.43	4128606.38	0.01863121	0.00601632	0.00513655	0.01863
595321.6	4128606.38	0.01732921	0.00561319	0.00479425	0.01733
595343.81	4128516.24	0.01994955	0.00632322	0.00538561	0.01995
595380.27	4128516.24	0.01720626	0.00548079	0.00467111	0.01721
595416.73	4128516.24	0.01490593	0.00477295	0.00407059	0.01491
595453.19	4128516.24	0.01297257	0.00417667	0.00356456	0.01297
595343.81	4128534.78	0.01928137	0.00613339	0.00522637	0.01928
595380.27	4128534.78	0.01655202	0.00529389	0.00451419	0.01655
595416.73	4128534.78	0.0142874	0.00459594	0.00392194	0.01429
595453.19	4128534.78	0.01240015	0.0040127	0.00342684	0.01240
595343.81	4128553.32	0.01847892	0.00590388	0.00503365	0.01848
595380.27	4128553.32	0.01580271	0.00507898	0.00433366	0.01580
595416.73	4128553.32	0.01360294	0.00439954	0.00375695	0.01360
595453.19	4128553.32	0.0117835	0.00383358	0.00327823	0.01178
595343.81	4128571.86	0.01756288	0.00564121	0.00481301	0.01756
595380.27	4128571.86	0.01497851	0.00484269	0.00413518	0.01498
595416.73	4128571.86	0.01286942	0.00418926	0.00358032	0.01287
595453.19	4128571.86	0.01113679	0.00365055	0.00312265	0.01114
595343.81	4128590.4	0.01655542	0.00535194	0.00456997	0.01656
595380.27	4128590.4	0.01409376	0.0045889	0.00392198	0.01409
595416.73	4128590.4	0.01209623	0.00396748	0.00339401	0.01210
595453.19	4128590.4	0.01046845	0.00345916	0.00296191	0.01047
595343.81	4128608.94	0.01546708	0.00503905	0.00430703	0.01547
595380.27	4128608.94	0.01312945	0.00431035	0.00368774	0.01313
595416.73	4128608.94	0.01127793	0.00373141	0.00319553	0.01128
595453.19	4128608.94	0.0097726	0.00325887	0.00279357	0.00977
595459.33	4128741.51	0.00563537	0.00209494	0.0018186	0.00564
595488.36	4128741.51	0.00514433	0.00192412	0.00167143	0.00514
595517.39	4128741.51	0.00472588	0.00177738	0.00154488	0.00473
595546.42	4128741.51	0.00438093	0.00165566	0.00143983	0.00438
595575.45	4128741.51	0.0041022	0.00155617	0.00135385	0.00410
595604.48	4128741.51	0.00382877	0.00145838	0.00126933	0.00383
595633.51	4128741.51	0.00357635	0.00136804	0.00119124	0.00358
595662.54	4128741.51	0.0033482	0.00128608	0.00112036	0.00335
595691.57	4128741.51	0.00314249	0.00121174	0.00105602	0.00314
595720.6	4128741.51	0.0029606	0.00114513	0.0009983	0.00296
595749.63	4128741.51	0.00279355	0.00108421	0.00094553	0.00279
595778.66	4128741.51	0.00263831	0.00102714	0.00089605	0.00264
595807.69	4128741.51	0.00249615	0.00097454	0.0008504	0.00250
595836.72	4128741.51	0.00236503	0.00092563	0.00080793	0.00237
595865.75	4128741.51	0.00224437	0.00088038	0.00076862	0.00224
595894.78	4128741.51	0.00213375	0.00083865	0.00073233	0.00213
595923.81	4128741.51	0.00203194	0.00079996	0.00069866	0.00203
595952.84	4128741.51	0.00193756	0.00076386	0.00066723	0.00194
595981.87	4128741.51	0.00184994	0.00073011	0.00063782	0.00185
596010.9	4128741.51	0.00176832	0.00069846	0.00061022	0.00177
596039.93	4128741.51	0.00169217	0.00066873	0.00058428	0.00169

595459.33	4128760.66	0.00521488	0.00198281	0.00172545	0.00521
595488.36	4128760.66	0.00479662	0.00183347	0.00159639	0.00480
595517.39	4128760.66	0.00441732	0.00169718	0.00147853	0.00442
595546.42	4128760.66	0.00409396	0.00158006	0.00137715	0.00409
595575.45	4128760.66	0.00383027	0.00148359	0.00129355	0.00383
595604.48	4128760.66	0.00358501	0.00139363	0.00121557	0.00359
595633.51	4128760.66	0.00335894	0.00131051	0.00114351	0.00336
595662.54	4128760.66	0.00314975	0.00123341	0.00107664	0.00315
595691.57	4128760.66	0.0029618	0.00116373	0.00101617	0.00296
595720.6	4128760.66	0.00280841	0.00110571	0.0009657	0.00281
595749.63	4128760.66	0.00266235	0.00105028	0.00091748	0.00266
595778.66	4128760.66	0.00252124	0.00099722	0.00087136	0.00252
595807.69	4128760.66	0.00239034	0.00094761	0.0008282	0.00239
595836.72	4128760.66	0.00226888	0.00090115	0.00078775	0.00227
595865.75	4128760.66	0.00215674	0.00085804	0.00075019	0.00216
595894.78	4128760.66	0.00205389	0.00081828	0.00071553	0.00205
595923.81	4128760.66	0.00195902	0.00078136	0.00068332	0.00196
595952.84	4128760.66	0.00187098	0.00074685	0.00065319	0.00187
595981.87	4128760.66	0.00178865	0.00071438	0.00062483	0.00179
596010.9	4128760.66	0.00171223	0.00068401	0.00059829	0.00171
596039.93	4128760.66	0.00164073	0.00065542	0.00057328	0.00164
595459.33	4128779.81	0.00482165	0.00187969	0.00164001	0.00482
595488.36	4128779.81	0.00445974	0.001746	0.00152404	0.00446
595517.39	4128779.81	0.00412305	0.00162153	0.00141605	0.00412
595546.42	4128779.81	0.00383014	0.00151218	0.00132108	0.00383
595575.45	4128779.81	0.00358563	0.00141998	0.00124092	0.00359
595604.48	4128779.81	0.00336027	0.00133489	0.00116693	0.00336
595633.51	4128779.81	0.00315933	0.00125859	0.00110054	0.00316
595662.54	4128779.81	0.00297008	0.00118674	0.00103802	0.00297
595691.57	4128779.81	0.00279467	0.00111996	0.00097991	0.00279
595720.6	4128779.81	0.00265316	0.00106503	0.000932	0.00265
595749.63	4128779.81	0.00253042	0.00101639	0.0008895	0.00253
595778.66	4128779.81	0.00240579	0.00096765	0.00084695	0.00241
595807.69	4128779.81	0.00228549	0.00092075	0.00080604	0.00229
595836.72	4128779.81	0.00217396	0.00087697	0.00076781	0.00217
595865.75	4128779.81	0.00207062	0.0008362	0.0007322	0.00207
595894.78	4128779.81	0.00197546	0.00079842	0.00069917	0.00198
595923.81	4128779.81	0.00188724	0.00076314	0.00066831	0.00189
595952.84	4128779.81	0.00180488	0.00073	0.0006393	0.00180
595981.87	4128779.81	0.00172791	0.00069882	0.00061199	0.00173
596010.9	4128779.81	0.00165619	0.00066956	0.00058634	0.00166
596039.93	4128779.81	0.00158926	0.00064208	0.00056224	0.00159
595459.33	4128798.96	0.00445783	0.00178655	0.00156315	0.00446
595488.36	4128798.96	0.00414216	0.00166497	0.0014572	0.00414
595517.39	4128798.96	0.00384585	0.00155154	0.00135843	0.00385
595546.42	4128798.96	0.0035836	0.00145015	0.00127004	0.00358
595575.45	4128798.96	0.00335968	0.00136272	0.00119375	0.00336
595604.48	4128798.96	0.00315241	0.00128183	0.00112316	0.00315
595633.51	4128798.96	0.00297521	0.00121191	0.00106208	0.00298
595662.54	4128798.96	0.00280629	0.00114546	0.00100406	0.00281
595691.57	4128798.96	0.00264006	0.00108042	0.00094728	0.00264
595720.6	4128798.96	0.00249993	0.0010248	0.00089866	0.00250
595749.63	4128798.96	0.00239714	0.00098223	0.0008613	0.00240
595778.66	4128798.96	0.00229043	0.00093828	0.00082274	0.00229
595807.69	4128798.96	0.00218025	0.00089397	0.00078396	0.00218
595836.72	4128798.96	0.00207905	0.00085293	0.000748	0.00208
595865.75	4128798.96	0.00198551	0.00081477	0.00071456	0.00199
595894.78	4128798.96	0.00189768	0.0007788	0.00068302	0.00190
595923.81	4128798.96	0.00181566	0.00074502	0.00065338	0.00182
595952.84	4128798.96	0.00173885	0.00071318	0.00062543	0.00174
595981.87	4128798.96	0.00166742	0.00068336	0.00059924	0.00167
596010.9	4128798.96	0.00160001	0.00065505	0.00057436	0.00160
596039.93	4128798.96	0.00153739	0.00062857	0.00055106	0.00154
595459.33	4128818.11	0.00412433	0.00170382	0.00149524	0.00412
595488.36	4128818.11	0.00384508	0.00159117	0.00139661	0.00385
595517.39	4128818.11	0.00358059	0.00148568	0.00130436	0.00358
595546.42	4128818.11	0.003346	0.00139114	0.00122159	0.00335
595575.45	4128818.11	0.00314985	0.00131099	0.00115133	0.00315

595604.48	4128818.11	0.00295965	0.00123396	0.00108386	0.00296
595633.51	4128818.11	0.00280953	0.00117154	0.00102905	0.00281
595662.54	4128818.11	0.00265636	0.00110896	0.00097419	0.00266
595691.57	4128818.11	0.00250208	0.00104669	0.00091966	0.00250
595720.6	4128818.11	0.00237511	0.00099435	0.00087374	0.00238
595749.63	4128818.11	0.00226959	0.00094985	0.00083461	0.00227
595778.66	4128818.11	0.00216426	0.00090584	0.00079594	0.00216
595807.69	4128818.11	0.00206196	0.00086329	0.00075858	0.00206
595836.72	4128818.11	0.0019777	0.00082711	0.00072672	0.00198
595865.75	4128818.11	0.00190014	0.00079332	0.00069691	0.00190
595894.78	4128818.11	0.00182048	0.00075942	0.00066708	0.00182
595923.81	4128818.11	0.00174451	0.00072707	0.0006386	0.00174
595952.84	4128818.11	0.00167325	0.00069652	0.0006117	0.00167
595981.87	4128818.11	0.00160688	0.00066789	0.00058647	0.00161
596010.9	4128818.11	0.00154398	0.00064061	0.00056242	0.00154
596039.93	4128818.11	0.00148546	0.00061507	0.00053989	0.00149
595459.33	4128837.26	0.00382094	0.00163156	0.00143635	0.00382
595488.36	4128837.26	0.00357073	0.00152539	0.00134294	0.00357
595517.39	4128837.26	0.00333409	0.00142627	0.00125583	0.00333
595546.42	4128837.26	0.00312579	0.00133811	0.00117829	0.00313
595575.45	4128837.26	0.00295846	0.00126557	0.00111434	0.00296
595604.48	4128837.26	0.00278746	0.00119322	0.0010507	0.00279
595633.51	4128837.26	0.00265201	0.001134	0.00099845	0.00265
595662.54	4128837.26	0.00251585	0.00107566	0.00094707	0.00252
595691.57	4128837.26	0.00237746	0.00101762	0.00089607	0.00238
595720.6	4128837.26	0.00225979	0.00096723	0.0008517	0.00226
595749.63	4128837.26	0.00215102	0.00092053	0.00081056	0.00215
595778.66	4128837.26	0.00204731	0.00087609	0.00077143	0.00205
595807.69	4128837.26	0.0019536	0.00083553	0.00073567	0.00195
595836.72	4128837.26	0.00187822	0.0008017	0.00070575	0.00188
595865.75	4128837.26	0.00181327	0.0007715	0.00067896	0.00181
595894.78	4128837.26	0.00174319	0.00074002	0.00065112	0.00174
595923.81	4128837.26	0.0016739	0.00070932	0.000624	0.00167
595952.84	4128837.26	0.00160786	0.00067996	0.00059806	0.00161
595981.87	4128837.26	0.00154584	0.00065223	0.00057355	0.00155
596010.9	4128837.26	0.00148751	0.000626	0.00055035	0.00149
596039.93	4128837.26	0.00143293	0.00060132	0.0005285	0.00143
595459.33	4128856.41	0.00354896	0.00157006	0.00138671	0.00355
595488.36	4128856.41	0.003321	0.00146826	0.00129673	0.00332
595517.39	4128856.41	0.0031089	0.00137412	0.00121355	0.00311
595546.42	4128856.41	0.00292363	0.0012913	0.00114034	0.00292
595575.45	4128856.41	0.0027854	0.00122631	0.00108263	0.00279
595604.48	4128856.41	0.00263227	0.00115825	0.00102249	0.00263
595633.51	4128856.41	0.00250353	0.00109947	0.00097043	0.00250
595662.54	4128856.41	0.00238275	0.00104442	0.00092169	0.00238
595691.57	4128856.41	0.00226223	0.00099159	0.00087506	0.00226
595720.6	4128856.41	0.00215136	0.00094244	0.00083164	0.00215
595749.63	4128856.41	0.00204219	0.0008946	0.00078942	0.00204
595778.66	4128856.41	0.0019425	0.00085047	0.00075045	0.00194
595807.69	4128856.41	0.00185656	0.00081166	0.0007161	0.00186
595836.72	4128856.41	0.00178263	0.0007775	0.00068582	0.00178
595865.75	4128856.41	0.00172487	0.00074919	0.0006606	0.00172
595894.78	4128856.41	0.00166594	0.00072065	0.00063519	0.00167
595923.81	4128856.41	0.00160353	0.00069167	0.00060949	0.00160
595952.84	4128856.41	0.00154239	0.00066337	0.00058439	0.00154
595981.87	4128856.41	0.00148445	0.00063642	0.00056048	0.00148
596010.9	4128856.41	0.0014307	0.00061126	0.00053815	0.00143
596039.93	4128856.41	0.00138004	0.00058744	0.000517	0.00138
595459.33	4128875.56	0.00330871	0.00151977	0.00134676	0.00331
595488.36	4128875.56	0.00310278	0.00142163	0.00125952	0.00310
595517.39	4128875.56	0.00292012	0.00133454	0.00118209	0.00292
595546.42	4128875.56	0.00276097	0.00125811	0.00111411	0.00276
595575.45	4128875.56	0.00261353	0.00118797	0.00105177	0.00261
595604.48	4128875.56	0.00248155	0.00112493	0.00099572	0.00248
595633.51	4128875.56	0.00236355	0.00106769	0.00094476	0.00236
595662.54	4128875.56	0.00225092	0.00101442	0.00089744	0.00225
595691.57	4128875.56	0.00214098	0.00096374	0.00085251	0.00214
595720.6	4128875.56	0.00204183	0.00091736	0.00081135	0.00204



595749.63	4128875.56	0.00194868	0.00087385	0.00077274	0.00195
595778.66	4128875.56	0.00186245	0.00083342	0.00073684	0.00186
595807.69	4128875.56	0.00177701	0.00079391	0.00070182	0.00178
595836.72	4128875.56	0.00170164	0.00075834	0.00067022	0.00170
595865.75	4128875.56	0.00164296	0.00072897	0.00064401	0.00164
595894.78	4128875.56	0.00158597	0.00070053	0.00061863	0.00159
595923.81	4128875.56	0.00153255	0.00067368	0.00059466	0.00153
595952.84	4128875.56	0.00147757	0.00064696	0.00057088	0.00148
595981.87	4128875.56	0.00142427	0.00062105	0.00054781	0.00142
596010.9	4128875.56	0.00137397	0.00059649	0.00052593	0.00137
596039.93	4128875.56	0.00132649	0.00057323	0.00050521	0.00133
595459.33	4128894.71	0.00310576	0.00148221	0.00131774	0.00311
595488.36	4128894.71	0.00291639	0.00138606	0.00123183	0.00292
595517.39	4128894.71	0.00275531	0.00130323	0.00115775	0.00276
595546.42	4128894.71	0.00260995	0.00122831	0.00109074	0.00261
595575.45	4128894.71	0.0024652	0.0011576	0.00102775	0.00247
595604.48	4128894.71	0.00234575	0.00109648	0.00097311	0.00235
595633.51	4128894.71	0.00223465	0.00104032	0.00092295	0.00223
595662.54	4128894.71	0.00212882	0.00098783	0.00087614	0.00213
595691.57	4128894.71	0.00202851	0.00093889	0.00083255	0.00203
595720.6	4128894.71	0.00193815	0.00089426	0.00079277	0.00194
595749.63	4128894.71	0.00185548	0.00085311	0.00075605	0.00186
595778.66	4128894.71	0.00177748	0.00081448	0.00072161	0.00178
595807.69	4128894.71	0.00169688	0.00077587	0.00068727	0.00170
595836.72	4128894.71	0.00162432	0.00074043	0.0006557	0.00162
595865.75	4128894.71	0.00156564	0.00071025	0.00062871	0.00157
595894.78	4128894.71	0.00151063	0.00068183	0.00060328	0.00151
595923.81	4128894.71	0.00146407	0.00065654	0.00058057	0.00146
595952.84	4128894.71	0.00141368	0.00063081	0.00055758	0.00141
595981.87	4128894.71	0.00136468	0.00060582	0.00053524	0.00136
596010.9	4128894.71	0.00131777	0.00058185	0.00051381	0.00132
596039.93	4128894.71	0.00127342	0.00055912	0.00049349	0.00127
595459.33	4128913.86	0.00293913	0.00145751	0.00129983	0.00294
595488.36	4128913.86	0.00276388	0.00136245	0.00121447	0.00276
595517.39	4128913.86	0.00261362	0.00127971	0.00114009	0.00261
595546.42	4128913.86	0.00247257	0.00120394	0.00107211	0.00247
595575.45	4128913.86	0.00234185	0.00113517	0.00101015	0.00234
595604.48	4128913.86	0.00222542	0.0010735	0.00095522	0.00223
595633.51	4128913.86	0.00211761	0.00101702	0.00090464	0.00212
595662.54	4128913.86	0.00201765	0.00096507	0.00085814	0.00202
595691.57	4128913.86	0.00192555	0.00091742	0.0008155	0.00193
595720.6	4128913.86	0.00184176	0.00087373	0.00077639	0.00184
595749.63	4128913.86	0.00176445	0.0008333	0.00074018	0.00176
595778.66	4128913.86	0.00169132	0.00079533	0.0007062	0.00169
595807.69	4128913.86	0.00161818	0.0007583	0.00067312	0.00162
595836.72	4128913.86	0.00155093	0.00072381	0.00064228	0.00155
595865.75	4128913.86	0.00149374	0.00069333	0.00061495	0.00149
595894.78	4128913.86	0.00144317	0.00066565	0.00059008	0.00144
595923.81	4128913.86	0.00139876	0.00064044	0.00056737	0.00140
595952.84	4128913.86	0.00135195	0.00061533	0.00054484	0.00135
595981.87	4128913.86	0.00130632	0.0005909	0.00052293	0.00131
596010.9	4128913.86	0.00126267	0.00056747	0.00050519	0.00126
596039.93	4128913.86	0.00122136	0.00054528	0.00048199	0.00122
595459.33	4128933.01	0.00280814	0.00144582	0.00129318	0.00281
595488.36	4128933.01	0.00264141	0.00134951	0.00120632	0.00264
595517.39	4128933.01	0.00249315	0.00126414	0.00112934	0.00249
595546.42	4128933.01	0.00235622	0.00118724	0.00106013	0.00236
595575.45	4128933.01	0.00223262	0.0011184	0.0009982	0.00223
595604.48	4128933.01	0.00211946	0.00105594	0.00094205	0.00212
595633.51	4128933.01	0.00201552	0.00099901	0.00089089	0.00202
595662.54	4128933.01	0.00192075	0.0009473	0.00084444	0.00192
595691.57	4128933.01	0.0018339	0.00089994	0.0008019	0.00183
595720.6	4128933.01	0.00175398	0.00085631	0.00076271	0.00175
595749.63	4128933.01	0.00168024	0.00081596	0.00072646	0.00168
595778.66	4128933.01	0.00160996	0.00077795	0.00069234	0.00161
595807.69	4128933.01	0.00154157	0.00074145	0.0006596	0.00154
595836.72	4128933.01	0.0014795	0.00070779	0.00062938	0.00148
595865.75	4128933.01	0.00142517	0.00067746	0.00060208	0.00143

595894.78	4128933.01	0.00137811	0.00065021	0.0005775	0.00138
595923.81	4128933.01	0.00133665	0.0006253	0.00055498	0.00134
595952.84	4128933.01	0.00129336	0.00060086	0.00053297	0.00129
595981.87	4128933.01	0.00125043	0.0005767	0.00051122	0.00125
596010.9	4128933.01	0.00120951	0.00055365	0.00049047	0.00121
596039.93	4128933.01	0.00117101	0.00053193	0.00047091	0.00117
595459.33	4128952.16	0.00270256	0.00144404	0.00129518	0.00270
595488.36	4128952.16	0.0025423	0.00134518	0.00120564	0.00254
595517.39	4128952.16	0.00239435	0.00125686	0.00112582	0.00239
595546.42	4128952.16	0.00226062	0.00117815	0.00105474	0.00226
595575.45	4128952.16	0.00214044	0.00110799	0.00099142	0.00214
595604.48	4128952.16	0.00202997	0.00104427	0.00093396	0.00203
595633.51	4128952.16	0.00192893	0.0009866	0.000882	0.00193
595662.54	4128952.16	0.00183744	0.0009343	0.00083486	0.00184
595691.57	4128952.16	0.00175355	0.00088646	0.00079175	0.00175
595720.6	4128952.16	0.00167656	0.00084248	0.00075212	0.00168
595749.63	4128952.16	0.00160483	0.00080166	0.00071534	0.00160
595778.66	4128952.16	0.00153639	0.00076317	0.00068069	0.00154
595807.69	4128952.16	0.00147244	0.00072709	0.00064821	0.00147
595836.72	4128952.16	0.0014142	0.00069378	0.00061819	0.00141
595865.75	4128952.16	0.0013609	0.00066294	0.00059037	0.00136
595894.78	4128952.16	0.0013157	0.00063556	0.0005656	0.00132
595923.81	4128952.16	0.00127724	0.00061095	0.00054326	0.00128
595952.84	4128952.16	0.0012375	0.00058705	0.00052164	0.00124
595981.87	4128952.16	0.00119756	0.00056342	0.0005003	0.00120
596010.9	4128952.16	0.00115899	0.00054058	0.00047967	0.00116
596039.93	4128952.16	0.00112254	0.00051902	0.00046019	0.00112
595459.33	4128971.31	0.0026186	0.00145149	0.00130531	0.00262
595488.36	4128971.31	0.00245956	0.0013485	0.00121175	0.00246
595517.39	4128971.31	0.00231484	0.00125731	0.00112905	0.00231
595546.42	4128971.31	0.00218368	0.00117622	0.00105559	0.00218
595575.45	4128971.31	0.00206518	0.00110385	0.00099009	0.00207
595604.48	4128971.31	0.00195632	0.00103852	0.00093102	0.00196
595633.51	4128971.31	0.00185779	0.00097964	0.0008778	0.00186
595662.54	4128971.31	0.00176773	0.00092612	0.00082944	0.00177
595691.57	4128971.31	0.00168515	0.0008772	0.00078525	0.00169
595720.6	4128971.31	0.00160919	0.00083221	0.0007446	0.00161
595749.63	4128971.31	0.00153853	0.00079051	0.00070694	0.00154
595778.66	4128971.31	0.0014725	0.00075159	0.00067179	0.00147
595807.69	4128971.31	0.00141141	0.0007154	0.0006391	0.00141
595836.72	4128971.31	0.00135576	0.00068199	0.00060889	0.00136
595865.75	4128971.31	0.0013021	0.00065011	0.00058009	0.00130
595894.78	4128971.31	0.00125428	0.00062102	0.00055376	0.00125
595923.81	4128971.31	0.0012187	0.00059684	0.00053174	0.00122
595952.84	4128971.31	0.00118467	0.00057381	0.00051076	0.00118
595981.87	4128971.31	0.00114779	0.00055091	0.00049	0.00115
596010.9	4128971.31	0.00111143	0.00052834	0.00046956	0.00111
596039.93	4128971.31	0.0010768	0.00050686	0.0004501	0.00108
595459.33	4128990.46	0.00254905	0.0014667	0.00132241	0.00255
595488.36	4128990.46	0.00239344	0.00135941	0.00122458	0.00239
595517.39	4128990.46	0.00225171	0.00126479	0.00113847	0.00225
595546.42	4128990.46	0.00212271	0.00118079	0.00106214	0.00212
595575.45	4128990.46	0.00200492	0.00110578	0.00099407	0.00200
595604.48	4128990.46	0.00189766	0.00103847	0.00093303	0.00190
595633.51	4128990.46	0.00179965	0.00097766	0.00087794	0.00180
595662.54	4128990.46	0.00171072	0.00092259	0.00082805	0.00171
595691.57	4128990.46	0.00162882	0.00087221	0.00078242	0.00163
595720.6	4128990.46	0.00155298	0.00082581	0.00074042	0.00155
595749.63	4128990.46	0.00148247	0.00078282	0.00070151	0.00148
595778.66	4128990.46	0.00141826	0.00074326	0.00066568	0.00142
595807.69	4128990.46	0.00135974	0.0007068	0.00063264	0.00136
595836.72	4128990.46	0.00130726	0.00067345	0.00060238	0.00131
595865.75	4128990.46	0.00125543	0.0006413	0.00057325	0.00126
595894.78	4128990.46	0.00120508	0.00061046	0.00054533	0.00121
595923.81	4128990.46	0.00116489	0.00058396	0.00052123	0.00116
595952.84	4128990.46	0.00113173	0.00056056	0.00049986	0.00113
595981.87	4128990.46	0.00110112	0.00053893	0.00048012	0.00110
596010.9	4128990.46	0.00106721	0.00051694	0.00046014	0.00107

596039.93	4128990.46	0.00103375	0.00049529	0.00044048	0.00103
595459.33	4129009.61	0.00249039	0.00148901	0.00134595	0.00249
595488.36	4129009.61	0.00233931	0.00137686	0.0012433	0.00234
595517.39	4129009.61	0.002201	0.00127833	0.0011533	0.00220
595546.42	4129009.61	0.0020744	0.0011911	0.00107376	0.00207
595575.45	4129009.61	0.00195768	0.00111324	0.00100291	0.00196
595604.48	4129009.61	0.00185144	0.00104346	0.00093947	0.00185
595633.51	4129009.61	0.00175397	0.00098046	0.00088224	0.00175
595662.54	4129009.61	0.00166524	0.00092339	0.00083042	0.00167
595691.57	4129009.61	0.00158307	0.00087112	0.00078298	0.00158
595720.6	4129009.61	0.00150657	0.00082292	0.00073927	0.00151
595749.63	4129009.61	0.00143646	0.00077856	0.00069903	0.00144
595778.66	4129009.61	0.00137314	0.00073798	0.00066219	0.00137
595807.69	4129009.61	0.00131642	0.00070095	0.00062853	0.00132
595836.72	4129009.61	0.00126634	0.00066729	0.00059789	0.00127
595865.75	4129009.61	0.0012161	0.00063472	0.0005683	0.00122
595894.78	4129009.61	0.00116485	0.00060277	0.00053934	0.00116
595923.81	4129009.61	0.00111886	0.0005734	0.00051268	0.00112
595952.84	4129009.61	0.0010819	0.00054805	0.00048957	0.00108
595981.87	4129009.61	0.00105756	0.00052764	0.00047078	0.00106
596010.9	4129009.61	0.00102643	0.00050627	0.0004513	0.00103
596039.93	4129009.61	0.00099428	0.00048466	0.00043163	0.00099
595459.33	4129028.76	0.00243933	0.00151797	0.00137564	0.00244
595488.36	4129028.76	0.00229324	0.00140012	0.00126731	0.00229
595517.39	4129028.76	0.00215894	0.00129717	0.00117291	0.00216
595546.42	4129028.76	0.00203478	0.00120627	0.00108977	0.00203
595575.45	4129028.76	0.00192058	0.00112542	0.00101595	0.00192
595604.48	4129028.76	0.00181509	0.00105287	0.00094981	0.00182
595633.51	4129028.76	0.00171864	0.00098752	0.00089028	0.00172
595662.54	4129028.76	0.00162892	0.00092793	0.00083607	0.00163
595691.57	4129028.76	0.00154629	0.00087353	0.0007866	0.00155
595720.6	4129028.76	0.00147017	0.00082363	0.00074124	0.00147
595749.63	4129028.76	0.00140001	0.00077769	0.00069947	0.00140
595778.66	4129028.76	0.00133695	0.00073579	0.00066135	0.00134
595807.69	4129028.76	0.00128138	0.00069785	0.00062678	0.00128
595836.72	4129028.76	0.00122951	0.00066245	0.00059453	0.00123
595865.75	4129028.76	0.00117889	0.00062874	0.00056385	0.00118
595894.78	4129028.76	0.00113334	0.00059776	0.00053563	0.00113
595923.81	4129028.76	0.00108975	0.00056848	0.00050897	0.00109
595952.84	4129028.76	0.00104455	0.00053949	0.00048265	0.00104
595981.87	4129028.76	0.0010131	0.00051616	0.0004613	0.00101
596010.9	4129028.76	0.00098892	0.00049609	0.00044282	0.00099
596039.93	4129028.76	0.00095824	0.00047475	0.00042335	0.00096
595459.33	4129047.91	0.00239293	0.00155345	0.00141143	0.00239
595488.36	4129047.91	0.00225202	0.00142874	0.00129632	0.00225
595517.39	4129047.91	0.00212226	0.00132069	0.00119685	0.00212
595546.42	4129047.91	0.00200124	0.00122577	0.00110972	0.00200
595575.45	4129047.91	0.00188972	0.00114156	0.00103257	0.00189
595604.48	4129047.91	0.00178607	0.0010661	0.00096357	0.00179
595633.51	4129047.91	0.00169021	0.000998	0.00090138	0.00169
595662.54	4129047.91	0.00160087	0.00093596	0.00084478	0.00160
595691.57	4129047.91	0.00151779	0.00087922	0.00079308	0.00152
595720.6	4129047.91	0.00144169	0.00082737	0.00074584	0.00144
595749.63	4129047.91	0.00137241	0.00077999	0.00070266	0.00137
595778.66	4129047.91	0.00130959	0.00073663	0.00066313	0.00131
595807.69	4129047.91	0.00125319	0.000697	0.00062695	0.00125
595836.72	4129047.91	0.00119926	0.00065974	0.00059298	0.00120
595865.75	4129047.91	0.00114859	0.00062489	0.00056121	0.00115
595894.78	4129047.91	0.00110448	0.00059336	0.00053241	0.00110
595923.81	4129047.91	0.00105891	0.00056259	0.00050438	0.00106
595952.84	4129047.91	0.00101091	0.00053182	0.00047645	0.00101
595981.87	4129047.91	0.00097863	0.00050758	0.00045425	0.00098
596010.9	4129047.91	0.00095634	0.0004875	0.00043569	0.00096
596039.93	4129047.91	0.00092583	0.00046562	0.0004157	0.00093
595459.33	4129067.06	0.00234995	0.00159605	0.00145396	0.00235
595488.36	4129067.06	0.00221353	0.00146276	0.00133043	0.00221
595517.39	4129067.06	0.00208732	0.00134859	0.00122495	0.00209
595546.42	4129067.06	0.0019711	0.0012491	0.00113325	0.00197

595575.45	4129067.06	0.00186346	0.00116124	0.00105245	0.00186
595604.48	4129067.06	0.00176224	0.00108263	0.00098032	0.00176
595633.51	4129067.06	0.00166671	0.00101139	0.00091509	0.00167
595662.54	4129067.06	0.0015783	0.0009468	0.00085602	0.00158
595691.57	4129067.06	0.00149592	0.00088779	0.00080211	0.00150
595720.6	4129067.06	0.00142007	0.00083386	0.00075285	0.00142
595749.63	4129067.06	0.00135169	0.00078487	0.00070809	0.00135
595778.66	4129067.06	0.00128935	0.00073993	0.00066702	0.00129
595807.69	4129067.06	0.00123106	0.0006982	0.00062889	0.00123
595836.72	4129067.06	0.00117493	0.00065892	0.00059305	0.00117
595865.75	4129067.06	0.00112473	0.00062301	0.00056024	0.00112
595894.78	4129067.06	0.00107931	0.00059	0.00053005	0.00108
595923.81	4129067.06	0.00102958	0.00055692	0.00049996	0.00103
595952.84	4129067.06	0.0009816	0.00052523	0.00047114	0.00098
595981.87	4129067.06	0.00095317	0.00050175	0.00044953	0.00095
596010.9	4129067.06	0.00092833	0.00048017	0.00042962	0.00093
596039.93	4129067.06	0.0008973	0.00045756	0.00040895	0.00090
595459.33	4129086.21	0.0023103	0.00164694	0.00150435	0.00231
595488.36	4129086.21	0.00217647	0.00150282	0.0013703	0.00218
595517.39	4129086.21	0.00205495	0.0013811	0.00125739	0.00205
595546.42	4129086.21	0.0019429	0.00127612	0.00116025	0.00194
595575.45	4129086.21	0.0018386	0.00118397	0.0010752	0.00184
595604.48	4129086.21	0.00174001	0.00110172	0.00099949	0.00174
595633.51	4129086.21	0.00164675	0.00102738	0.00093119	0.00165
595662.54	4129086.21	0.00155996	0.00096011	0.00086948	0.00156
595691.57	4129086.21	0.00147929	0.0008989	0.00081339	0.00148
595720.6	4129086.21	0.00140482	0.00084303	0.00076222	0.00140
595749.63	4129086.21	0.00133648	0.00079192	0.00071541	0.00134
595778.66	4129086.21	0.00127287	0.00074473	0.00067222	0.00127
595807.69	4129086.21	0.00121355	0.00070102	0.00063223	0.00121
595836.72	4129086.21	0.00115754	0.00066029	0.00059497	0.00116
595865.75	4129086.21	0.00110558	0.00062253	0.00056046	0.00111
595894.78	4129086.21	0.0010583	0.00058782	0.0005287	0.00106
595923.81	4129086.21	0.00101311	0.00055525	0.00049894	0.00101
595952.84	4129086.21	0.0009673	0.00052373	0.0004702	0.00097
595981.87	4129086.21	0.00092915	0.00049598	0.00044482	0.00093
596010.9	4129086.21	0.00089913	0.00047218	0.00042296	0.00090
596039.93	4129086.21	0.00087223	0.00045035	0.0004029	0.00087
595459.33	4129105.36	0.00227525	0.00170807	0.00156444	0.00228
595488.36	4129105.36	0.00214171	0.00155013	0.00141708	0.00214
595517.39	4129105.36	0.00202304	0.00141882	0.00129483	0.00202
595546.42	4129105.36	0.00191521	0.00130704	0.001191	0.00192
595575.45	4129105.36	0.0018137	0.00120962	0.00110078	0.00181
595604.48	4129105.36	0.00171856	0.00112322	0.00102094	0.00172
595633.51	4129105.36	0.00162818	0.00104554	0.00094933	0.00163
595662.54	4129105.36	0.00154401	0.0009755	0.00088486	0.00154
595691.57	4129105.36	0.00146523	0.00091183	0.00082633	0.00147
595720.6	4129105.36	0.00139235	0.00085378	0.00077301	0.00139
595749.63	4129105.36	0.00132426	0.00080041	0.00072402	0.00132
595778.66	4129105.36	0.00126014	0.00075101	0.00067871	0.00126
595807.69	4129105.36	0.00120002	0.00070526	0.00063678	0.00120
595836.72	4129105.36	0.00114406	0.00066291	0.00059797	0.00114
595865.75	4129105.36	0.00109116	0.00062344	0.00056184	0.00109
595894.78	4129105.36	0.00104266	0.00058714	0.00052859	0.00104
595923.81	4129105.36	0.00099833	0.00055377	0.00049802	0.00100
595952.84	4129105.36	0.00095327	0.00052173	0.00046876	0.00095
595981.87	4129105.36	0.00091014	0.00049152	0.0004412	0.00091
596010.9	4129105.36	0.00087591	0.00046564	0.00041749	0.00088
596039.93	4129105.36	0.00084955	0.00044359	0.00039718	0.00085
595459.33	4129124.51	0.00224617	0.00178258	0.00163721	0.00225
595488.36	4129124.51	0.00211063	0.00160643	0.00147238	0.00211
595517.39	4129124.51	0.00199314	0.00146279	0.00133822	0.00199
595546.42	4129124.51	0.00188674	0.00134231	0.00122596	0.00189
595575.45	4129124.51	0.00178852	0.00123845	0.00112942	0.00179
595604.48	4129124.51	0.00169681	0.00114712	0.00104472	0.00170
595633.51	4129124.51	0.00160963	0.00106564	0.00096934	0.00161
595662.54	4129124.51	0.00152855	0.00099255	0.00090182	0.00153
595691.57	4129124.51	0.00145269	0.00092635	0.00084075	0.00145

595720.6	4129124.51	0.00138154	0.00086585	0.00078501	0.00138
595749.63	4129124.51	0.00131385	0.00081003	0.00073365	0.00131
595778.66	4129124.51	0.0012497	0.00075837	0.00068616	0.00125
595807.69	4129124.51	0.00118948	0.00071057	0.00064226	0.00119
595836.72	4129124.51	0.00113314	0.00066634	0.00060167	0.00113
595865.75	4129124.51	0.00108056	0.00062546	0.00056415	0.00108
595894.78	4129124.51	0.0010317	0.00058773	0.00052955	0.00103
595923.81	4129124.51	0.00098507	0.00055252	0.00049729	0.00099
595952.84	4129124.51	0.0009386	0.00051909	0.00046674	0.00094
595981.87	4129124.51	0.00089574	0.00048822	0.00043852	0.00090
596010.9	4129124.51	0.00085995	0.00046115	0.00041372	0.00086
596039.93	4129124.51	0.00082781	0.00043661	0.00039122	0.00083
595249.89	4128695.55	0.01609015	0.00542319	0.00465495	0.01609
595290.33	4128695.55	0.01322645	0.00450471	0.00387147	0.01323
595330.77	4128695.55	0.01105696	0.00380423	0.00327343	0.01106
595371.21	4128695.55	0.00937747	0.00325835	0.00280698	0.00938
595411.65	4128695.55	0.00802157	0.00281568	0.00242852	0.00802
595452.09	4128695.55	0.00694307	0.00246034	0.00212437	0.00694
595249.89	4128726.21	0.01333059	0.00464428	0.00400217	0.01333
595290.33	4128726.21	0.01111783	0.00391204	0.00337508	0.01112
595330.77	4128726.21	0.00941801	0.00334564	0.0028896	0.00942
595371.21	4128726.21	0.0080851	0.00289841	0.00250593	0.00809
595411.65	4128726.21	0.00701434	0.00253776	0.0021964	0.00701
595452.09	4128726.21	0.00613437	0.00223943	0.00194015	0.00613
595249.89	4128756.87	0.01095746	0.00398885	0.00345469	0.01096
595290.33	4128756.87	0.00929616	0.00341126	0.00295707	0.00930
595330.77	4128756.87	0.00799378	0.00295606	0.00256466	0.00799
595371.21	4128756.87	0.00695464	0.00259075	0.00224952	0.00695
595411.65	4128756.87	0.00610846	0.00229215	0.00199182	0.00611
595452.09	4128756.87	0.00540845	0.0020443	0.00177784	0.00541
595249.89	4128787.53	0.00902085	0.00347408	0.00302725	0.00902
595290.33	4128787.53	0.00778679	0.00301092	0.00262477	0.00779
595330.77	4128787.53	0.00679512	0.00263909	0.00230169	0.00680
595371.21	4128787.53	0.00598629	0.0023357	0.00203806	0.00599
595411.65	4128787.53	0.00531965	0.00208502	0.00182018	0.00532
595452.09	4128787.53	0.00476195	0.00187499	0.00163759	0.00476
595249.89	4128818.19	0.00751756	0.00310159	0.00272155	0.00752
595290.33	4128818.19	0.0065802	0.00271022	0.00237774	0.00658
595330.77	4128818.19	0.0058131	0.00239355	0.00209985	0.00581
595371.21	4128818.19	0.00517804	0.00213324	0.00187159	0.00518
595411.65	4128818.19	0.0046464	0.00191631	0.00168144	0.00465
595452.09	4128818.19	0.00419634	0.00173328	0.00152106	0.00420
595249.89	4128848.85	0.00641117	0.00286427	0.00253201	0.00641
595290.33	4128848.85	0.00566281	0.00250709	0.00221447	0.00566
595330.77	4128848.85	0.00504391	0.00221949	0.00195935	0.00504
595371.21	4128848.85	0.00452647	0.00198351	0.00175037	0.00453
595411.65	4128848.85	0.00408919	0.00178689	0.00157645	0.00409
595452.09	4128848.85	0.00371351	0.00162015	0.00142914	0.00371
595249.89	4128879.51	0.00563346	0.00274763	0.00244709	0.00563
595290.33	4128879.51	0.00499821	0.0023943	0.00212927	0.00500
595330.77	4128879.51	0.00446925	0.00211396	0.00187798	0.00447
595371.21	4128879.51	0.00402655	0.00188654	0.00167461	0.00403
595411.65	4128879.51	0.00364808	0.00169795	0.00150636	0.00365
595452.09	4128879.51	0.00331862	0.00153731	0.00136329	0.00332
595249.89	4128910.17	0.00510356	0.00273506	0.00245366	0.00510
595290.33	4128910.17	0.00453587	0.0023608	0.0021133	0.00454
595330.77	4128910.17	0.0040612	0.002071	0.00185099	0.00406
595371.21	4128910.17	0.00366012	0.00183928	0.00164201	0.00366
595411.65	4128910.17	0.00331742	0.00164845	0.00147035	0.00332
595452.09	4128910.17	0.00301812	0.00148757	0.00132598	0.00302
595249.89	4128940.83	0.00473952	0.00281493	0.00254337	0.00474
595290.33	4128940.83	0.00421093	0.00239484	0.00215752	0.00421
595330.77	4128940.83	0.00377365	0.00208153	0.00187125	0.00377
595371.21	4128940.83	0.00340124	0.00183554	0.00164753	0.00340
595411.65	4128940.83	0.00307972	0.00163479	0.00146556	0.00308
595452.09	4128940.83	0.00280578	0.00147008	0.00131662	0.00281
595370.31	4128948.01	0.00335947	0.00184492	0.00165803	0.00336
595402.84	4128948.01	0.00309962	0.00167703	0.00150553	0.00310

595435.37	4128948.01	0.00287072	0.00153454	0.0013764	0.00287
595370.31	4128976.76	0.00319234	0.00188092	0.00169857	0.00319
595402.84	4128976.76	0.00294913	0.00170128	0.00153418	0.00295
595435.37	4128976.76	0.00273941	0.00155172	0.00139756	0.00274
595370.31	4129005.51	0.0030663	0.00194737	0.00176699	0.00307
595402.84	4129005.51	0.00283853	0.00175023	0.0015852	0.00284
595435.37	4129005.51	0.00263852	0.00158757	0.00143563	0.00264
595370.31	4129034.26	0.00296718	0.00204639	0.00186582	0.00297
595402.84	4129034.26	0.00274785	0.00182186	0.00165736	0.00275
595435.37	4129034.26	0.00255488	0.00164072	0.00148976	0.00255
595370.31	4129063.01	0.00289259	0.00218709	0.00200392	0.00289
595402.84	4129063.01	0.00267083	0.00192034	0.00175489	0.00267
595435.37	4129063.01	0.00248256	0.00171289	0.00156178	0.00248
595370.31	4129091.76	0.00285602	0.00238933	0.00219992	0.00286
595402.84	4129091.76	0.00261563	0.00205676	0.00188818	0.00262
595435.37	4129091.76	0.00242221	0.0018095	0.00165693	0.00242
595548.86	4129154.91	0.00183591	0.00139922	0.00128255	0.00184
595605.25	4129154.91	0.00165861	0.00118826	0.00108568	0.00166
595661.64	4129154.91	0.00150556	0.00102519	0.00093406	0.00151
595718.03	4129154.91	0.00136968	0.00089218	0.00081078	0.00137
595548.86	4129180.69	0.00180609	0.00146967	0.00135143	0.00181
595605.25	4129180.69	0.00162896	0.00123225	0.00112907	0.00163
595661.64	4129180.69	0.00148241	0.00105439	0.00096299	0.00148
595718.03	4129180.69	0.00135165	0.00091124	0.00082976	0.00135
595548.86	4129206.47	0.00178737	0.00155853	0.00143765	0.00179
595605.25	4129206.47	0.00160128	0.0012849	0.00118074	0.00160
595661.64	4129206.47	0.00145621	0.00108697	0.00099528	0.00146
595718.03	4129206.47	0.00133022	0.00093114	0.00084968	0.00133
595548.86	4129232.25	0.00178439	0.00167244	0.00154742	0.00178
595605.25	4129232.25	0.00158011	0.00134956	0.00124374	0.00158
595661.64	4129232.25	0.0014298	0.00112442	0.00103226	0.00143
595718.03	4129232.25	0.00130553	0.00095198	0.00087062	0.00131
595770.66	4129137.18	0.00126082	0.00077789	0.00070457	0.00126
595794.75	4129137.18	0.00120993	0.00073593	0.00066596	0.00121
595818.84	4129137.18	0.00116151	0.00069658	0.00062978	0.00116
595842.93	4129137.18	0.00111559	0.00065973	0.00059591	0.00112
595867.02	4129137.18	0.00107216	0.00062521	0.00056421	0.00107
595891.11	4129137.18	0.0010309	0.00059283	0.00053449	0.00103
595915.2	4129137.18	0.00099163	0.00056245	0.00050662	0.00099
595939.29	4129137.18	0.00095233	0.00053341	0.00048004	0.00095
595770.66	4129177.59	0.00124073	0.00079694	0.00072362	0.00124
595794.75	4129177.59	0.00119181	0.00075101	0.00068111	0.00119
595818.84	4129177.59	0.00114473	0.00070803	0.0006414	0.00114
595842.93	4129177.59	0.00109927	0.00066775	0.00060422	0.00110
595867.02	4129177.59	0.00105533	0.00062999	0.0005694	0.00106
595891.11	4129177.59	0.00101298	0.00059464	0.00053686	0.00101
595915.2	4129177.59	0.00097282	0.00056174	0.0005066	0.00097
595939.29	4129177.59	0.00093378	0.0005308	0.00047818	0.00093
595770.66	4129218	0.00121382	0.00081511	0.00074206	0.00121
595794.75	4129218	0.00116805	0.00076447	0.00069492	0.00117
595818.84	4129218	0.00112286	0.00071713	0.00065093	0.00112
595842.93	4129218	0.00107955	0.00067336	0.00061031	0.00108
595867.02	4129218	0.00103732	0.00063264	0.00057259	0.00104
595891.11	4129218	0.00099648	0.0005948	0.0005376	0.00100
595915.2	4129218	0.00095731	0.00055969	0.00050517	0.00096
595939.29	4129218	0.00092017	0.00052725	0.00047524	0.00092
595770.66	4129258.41	0.00117606	0.00083007	0.0007578	0.00118
595794.75	4129258.41	0.00113253	0.00077307	0.00070445	0.00113
595818.84	4129258.41	0.00109062	0.00072099	0.00065578	0.00109
595842.93	4129258.41	0.00105002	0.00067328	0.00061127	0.00105
595867.02	4129258.41	0.00101112	0.00062961	0.0005706	0.00101
595891.11	4129258.41	0.00097401	0.00058961	0.00053339	0.00097
595915.2	4129258.41	0.00093819	0.00055288	0.00049929	0.00094
595939.29	4129258.41	0.00090322	0.00051898	0.00046788	0.00090
595770.66	4129298.82	0.00112907	0.00084036	0.00076936	0.00113
595794.75	4129298.82	0.00108657	0.0007752	0.00070811	0.00109
595818.84	4129298.82	0.00104665	0.00071685	0.00065334	0.00105
595842.93	4129298.82	0.00100909	0.00066453	0.00060429	0.00101

595867.02	4129298.82	0.00097379	0.00061758	0.00056033	0.00097
595891.11	4129298.82	0.00094009	0.00057527	0.00052077	0.00094
595915.2	4129298.82	0.00090832	0.00053724	0.00048528	0.00091
595939.29	4129298.82	0.00087703	0.00050261	0.00045304	0.00088
595957.02	4129258.56	0.00087849	0.00049581	0.00044644	0.00088
596003.21	4129258.56	0.00081813	0.00044203	0.00039679	0.00082
595957.02	4129289.71	0.00086137	0.00048385	0.00043553	0.00086
596003.21	4129289.71	0.00080612	0.00043042	0.00038603	0.00081
595957.02	4129320.86	0.00083765	0.00046634	0.00041951	0.00084
596003.21	4129320.86	0.00078838	0.00041444	0.00037127	0.00079
595957.02	4129352.01	0.00080718	0.00044304	0.00039814	0.00081
596003.21	4129352.01	0.00076428	0.00039413	0.00035256	0.00076
595780.89	4129328.94	0.00107186	0.00081147	0.00074355	0.00107
595811.48	4129328.94	0.00101901	0.00072508	0.00066224	0.00102
595842.07	4129328.94	0.00097245	0.00065199	0.00059351	0.00097
595872.66	4129328.94	0.00093035	0.00058978	0.00053509	0.00093
595903.25	4129328.94	0.0008919	0.00053671	0.00048535	0.00089
595933.84	4129328.94	0.00085607	0.00049113	0.00044273	0.00086
595780.89	4129353.44	0.00103902	0.0008059	0.00073935	0.00104
595811.48	4129353.44	0.00098386	0.00071147	0.00065037	0.00098
595842.07	4129353.44	0.00093756	0.00063381	0.00057723	0.00094
595872.66	4129353.44	0.00089683	0.00056938	0.00051663	0.00090
595903.25	4129353.44	0.00086088	0.00051582	0.00046633	0.00086
595933.84	4129353.44	0.00082863	0.0004711	0.0004244	0.00083
595780.89	4129377.94	0.00100503	0.00079267	0.00072781	0.00101
595811.48	4129377.94	0.0009469	0.00069021	0.00063121	0.00095
595842.07	4129377.94	0.00089968	0.00060855	0.00055425	0.00090
595872.66	4129377.94	0.00085995	0.000543	0.00049253	0.00086
595903.25	4129377.94	0.00082643	0.0004902	0.00044287	0.00083
595933.84	4129377.94	0.00079727	0.00044719	0.00040249	0.00080
595780.89	4129402.44	0.00096941	0.00076798	0.00070529	0.00097
595811.48	4129402.44	0.00090775	0.00065905	0.00060258	0.00091
595842.07	4129402.44	0.00085963	0.00057561	0.00052394	0.00086
595872.66	4129402.44	0.00082078	0.00051093	0.00046303	0.00082
595903.25	4129402.44	0.00078967	0.00046051	0.00041558	0.00079
595933.84	4129402.44	0.00076342	0.00042044	0.00037792	0.00076
595780.89	4129426.94	0.00093085	0.00072776	0.00066793	0.00093
595811.48	4129426.94	0.00086691	0.00061699	0.00056352	0.00087
595842.07	4129426.94	0.0008186	0.0005356	0.00048686	0.00082
595872.66	4129426.94	0.00078151	0.00047477	0.0004296	0.00078
595903.25	4129426.94	0.0007523	0.00042838	0.00038596	0.00075
595933.84	4129426.94	0.00072835	0.00039219	0.00035196	0.00073
595780.89	4129451.44	0.00088885	0.0006705	0.00061427	0.00089
595811.48	4129451.44	0.00082546	0.00056558	0.00051549	0.00083
595842.07	4129451.44	0.0007786	0.00049111	0.00044543	0.00078
595872.66	4129451.44	0.00074323	0.00043667	0.00039426	0.00074
595903.25	4129451.44	0.00071582	0.00039574	0.00035582	0.00072
595933.84	4129451.44	0.00069405	0.00036419	0.00032621	0.00069
595780.89	4129475.94	0.00084519	0.0006006	0.00054851	0.00085
595811.48	4129475.94	0.00078573	0.00050973	0.00046311	0.00079
595842.07	4129475.94	0.00074166	0.00044608	0.00040338	0.00074
595872.66	4129475.94	0.0007082	0.00039971	0.00035991	0.00071
595903.25	4129475.94	0.00068233	0.00036485	0.00032726	0.00068
595933.84	4129475.94	0.00066197	0.00033791	0.00030204	0.00066
595642.77	4129286.53	0.00144221	0.00132067	0.00122078	0.00144
595677.31	4129286.53	0.00134455	0.0011576	0.00106722	0.00134
595711.85	4129286.53	0.00126233	0.00102248	0.00094002	0.00126
595746.39	4129286.53	0.00119023	0.00090806	0.00083239	0.00119
595642.77	4129336.29	0.00145549	0.00149911	0.00139212	0.00150
595677.31	4129336.29	0.00132443	0.00126631	0.00117259	0.00132
595711.85	4129336.29	0.00121845	0.00108044	0.00099736	0.00122
595746.39	4129336.29	0.0011329	0.00093137	0.00085684	0.00113
595642.77	4129386.05	0.00152885	0.00176661	0.00164709	0.00177
595677.31	4129386.05	0.0013365	0.00140708	0.0013077	0.00141
595711.85	4129386.05	0.00119066	0.00114053	0.0010562	0.00119
595746.39	4129386.05	0.00107916	0.00093912	0.0008662	0.00108
595642.77	4129435.81	0.0016761	0.00216393	0.00202446	0.00216
595677.31	4129435.81	0.00137145	0.00155627	0.00145011	0.00156

595711.85	4129435.81	0.00116214	0.00115475	0.0010709	0.00116
595746.39	4129435.81	0.00101716	0.0008875	0.00081869	0.00102
595642.77	4129485.57	0.00185309	0.00261111	0.00244878	0.00261
595677.31	4129485.57	0.0013192	0.00147557	0.00137425	0.00148
595711.85	4129485.57	0.00106389	0.00097333	0.00089968	0.00106
595746.39	4129485.57	0.00092001	0.00071825	0.00065914	0.00092
595788.1	4129524.74	0.00075768	0.00045127	0.00040781	0.00076
595814.56	4129524.74	0.00071811	0.00040617	0.00036578	0.00072
595841.02	4129524.74	0.00068534	0.00037116	0.00033323	0.00069
595867.48	4129524.74	0.00065815	0.00034336	0.00030741	0.00066
595893.94	4129524.74	0.00063557	0.00032087	0.00028656	0.00064
595920.4	4129524.74	0.0006165	0.00030229	0.00026935	0.00062
595946.86	4129524.74	0.00060072	0.00028689	0.00025507	0.00060
595973.32	4129524.74	0.00058761	0.00027397	0.00024309	0.00059
595999.78	4129524.74	0.00057648	0.00026295	0.00023287	0.00058
595788.1	4129556.46	0.00072762	0.0003966	0.00035623	0.00073
595814.56	4129556.46	0.00069205	0.00036362	0.00032573	0.00069
595841.02	4129556.46	0.00066107	0.00033669	0.00030089	0.00066
595867.48	4129556.46	0.00063406	0.00031432	0.0002803	0.00063
595893.94	4129556.46	0.00061091	0.00029564	0.00026314	0.00061
595920.4	4129556.46	0.00059088	0.00027978	0.00024857	0.00059
595946.86	4129556.46	0.00057425	0.00026649	0.00023636	0.00057
595973.32	4129556.46	0.00056037	0.00025522	0.00022599	0.00056
595999.78	4129556.46	0.00054851	0.00024546	0.00021701	0.00055
595788.1	4129588.18	0.00070879	0.00036292	0.00032447	0.00071
595814.56	4129588.18	0.00067543	0.00033619	0.00029991	0.00068
595841.02	4129588.18	0.00064535	0.00031364	0.00027925	0.00065
595867.48	4129588.18	0.00061803	0.00029424	0.00026153	0.00062
595893.94	4129588.18	0.00059387	0.00027761	0.00024638	0.00059
595920.4	4129588.18	0.00057293	0.00026341	0.00023344	0.00057
595946.86	4129588.18	0.00055467	0.00025111	0.00022225	0.00055
595973.32	4129588.18	0.00053925	0.00024059	0.00021266	0.00054
595999.78	4129588.18	0.00052592	0.00023141	0.00020429	0.00053
595788.1	4129619.9	0.00069499	0.00034003	0.00030292	0.00069
595814.56	4129619.9	0.0006638	0.00031745	0.00028227	0.00066
595841.02	4129619.9	0.00063485	0.00029781	0.00026438	0.00063
595867.48	4129619.9	0.0006079	0.0002805	0.00024866	0.00061
595893.94	4129619.9	0.00058312	0.0002652	0.00023481	0.00058
595920.4	4129619.9	0.00056097	0.00025181	0.0002227	0.00056
595946.86	4129619.9	0.00054138	0.00024009	0.0002121	0.00054
595973.32	4129619.9	0.00052411	0.00022979	0.00020279	0.00052
595999.78	4129619.9	0.00050939	0.00022089	0.00019474	0.00051
595788.1	4129651.62	0.00068239	0.00032216	0.00028616	0.00068
595814.56	4129651.62	0.00065425	0.00030284	0.00026854	0.00065
595841.02	4129651.62	0.00062683	0.00028549	0.0002528	0.00063
595867.48	4129651.62	0.00060093	0.00027002	0.00023882	0.00060
595893.94	4129651.62	0.0005764	0.00025602	0.00022621	0.00058
595920.4	4129651.62	0.00055353	0.00024335	0.00021481	0.00055
595946.86	4129651.62	0.00053281	0.00023205	0.00020466	0.00053
595973.32	4129651.62	0.00051424	0.00022199	0.00019563	0.00051
595999.78	4129651.62	0.00049795	0.00021312	0.00018766	0.00050
595788.1	4129683.34	0.00066993	0.0003075	0.00027248	0.00067
595814.56	4129683.34	0.00064474	0.00029082	0.0002573	0.00064
595841.02	4129683.34	0.00061969	0.00027539	0.00024333	0.00062
595867.48	4129683.34	0.00059523	0.00026131	0.00023063	0.00060
595893.94	4129683.34	0.00057162	0.00024846	0.0002191	0.00057
595920.4	4129683.34	0.00054909	0.00023668	0.00020855	0.00055
595946.86	4129683.34	0.00052774	0.00022585	0.00019886	0.00053
595973.32	4129683.34	0.00050833	0.0002161	0.00019017	0.00051
595999.78	4129683.34	0.00049046	0.00020719	0.00018222	0.00049
593920.79	4128960.54	0.00520504	0.00167657	0.00143094	0.00521
593955.22	4128960.54	0.0056883	0.00182623	0.00155802	0.00569
593989.65	4128960.54	0.00623313	0.00199468	0.00170102	0.00623
594024.08	4128960.54	0.00684941	0.00218492	0.00186249	0.00685
594058.51	4128960.54	0.00754663	0.00239989	0.00204491	0.00755
594092.94	4128960.54	0.00833843	0.00264369	0.00225177	0.00834
594127.37	4128960.54	0.00923811	0.00292036	0.00248646	0.00924
594161.8	4128960.54	0.01026228	0.00323481	0.00275316	0.01026



594196.23	4128960.54	0.01142658	0.00359177	0.00305585	0.01143
594230.66	4128960.54	0.01275	0.00399685	0.00339926	0.01275
594265.09	4128960.54	0.0142509	0.0044556	0.0037881	0.01425
594299.52	4128960.54	0.01594563	0.00497298	0.00422657	0.01595
593920.79	4128979.2	0.00531314	0.00170756	0.00145697	0.00531
593955.22	4128979.2	0.00579684	0.00185719	0.00158401	0.00580
593989.65	4128979.2	0.00633991	0.00202495	0.00172641	0.00634
594024.08	4128979.2	0.00695123	0.00221354	0.00188646	0.00695
594058.51	4128979.2	0.00763766	0.00242507	0.00206595	0.00764
594092.94	4128979.2	0.00841379	0.00266393	0.0022686	0.00841
594127.37	4128979.2	0.00929055	0.0029334	0.00249718	0.00929
594161.8	4128979.2	0.01028095	0.00323739	0.00275498	0.01028
594196.23	4128979.2	0.01139535	0.00357897	0.00304463	0.01140
594230.66	4128979.2	0.01264865	0.00396261	0.00336987	0.01265
594265.09	4128979.2	0.01405196	0.00439164	0.00373352	0.01405
594299.52	4128979.2	0.01561323	0.00486847	0.00413765	0.01561
593920.79	4128997.86	0.00540646	0.00173413	0.00147927	0.00541
593955.22	4128997.86	0.00588759	0.00188285	0.00160552	0.00589
593989.65	4128997.86	0.00642529	0.00204884	0.0017464	0.00643
594024.08	4128997.86	0.00702639	0.00223418	0.00190368	0.00703
594058.51	4128997.86	0.0076999	0.00244162	0.00207969	0.00770
594092.94	4128997.86	0.00845546	0.00267405	0.00227688	0.00846
594127.37	4128997.86	0.00930177	0.00293412	0.00249747	0.00930
594161.8	4128997.86	0.0102498	0.00322508	0.00274423	0.01025
594196.23	4128997.86	0.01130708	0.0035492	0.00301907	0.01131
594230.66	4128997.86	0.01248274	0.00390915	0.00332424	0.01248
594265.09	4128997.86	0.01378507	0.00430742	0.00366183	0.01379
594299.52	4128997.86	0.01520835	0.0047424	0.00403052	0.01521
593920.79	4129016.52	0.00548377	0.00175592	0.00149752	0.00548
593955.22	4129016.52	0.00595949	0.00190287	0.00162226	0.00596
593989.65	4129016.52	0.00648818	0.00206601	0.00176072	0.00649
594024.08	4129016.52	0.00707645	0.00224732	0.00191458	0.00708
594058.51	4129016.52	0.00773249	0.00244929	0.00208593	0.00773
594092.94	4129016.52	0.00846284	0.00267392	0.00227649	0.00846
594127.37	4129016.52	0.00927479	0.00292342	0.00248812	0.00927
594161.8	4129016.52	0.01017543	0.00319989	0.0027226	0.01018
594196.23	4129016.52	0.01117062	0.00350504	0.00298136	0.01117
594230.66	4129016.52	0.01226423	0.00384002	0.00326537	0.01226
594265.09	4129016.52	0.01345933	0.00420573	0.0035754	0.01346
594299.52	4129016.52	0.01474364	0.00459862	0.00390846	0.01474
593920.79	4129035.18	0.00554458	0.00177277	0.00151161	0.00554
593955.22	4129035.18	0.00601219	0.00191715	0.00163415	0.00601
593989.65	4129035.18	0.006529	0.00207657	0.00176945	0.00653
594024.08	4129035.18	0.00710187	0.00225308	0.00191922	0.00710
594058.51	4129035.18	0.00773632	0.00244837	0.00208491	0.00774
594092.94	4129035.18	0.00843773	0.0026641	0.00226792	0.00844
594127.37	4129035.18	0.00921132	0.00290183	0.00246957	0.00921
594161.8	4129035.18	0.01006181	0.00316296	0.00269104	0.01006
594196.23	4129035.18	0.01099171	0.00344821	0.00293294	0.01099
594230.66	4129035.18	0.01200113	0.00375761	0.00319529	0.01200
594265.09	4129035.18	0.01308544	0.00408978	0.00347692	0.01309
594299.52	4129035.18	0.01423295	0.00444127	0.00377494	0.01423
593920.79	4129053.84	0.00558874	0.00178464	0.00152148	0.00559
593955.22	4129053.84	0.00604602	0.00192579	0.00164128	0.00605
593989.65	4129053.84	0.00654831	0.0020807	0.00177275	0.00655
594024.08	4129053.84	0.00710302	0.00225159	0.00191775	0.00710
594058.51	4129053.84	0.00771304	0.00243937	0.00207707	0.00771
594092.94	4129053.84	0.00838093	0.00264484	0.00225137	0.00838
594127.37	4129053.84	0.00911315	0.00286991	0.00244229	0.00911
594161.8	4129053.84	0.00991059	0.00311486	0.00265006	0.00991
594196.23	4129053.84	0.01077303	0.00337959	0.00287457	0.01077
594230.66	4129053.84	0.01170004	0.00366394	0.00311157	0.01170
594265.09	4129053.84	0.01267795	0.00396386	0.00337004	0.01268
594299.52	4129053.84	0.01369395	0.00427557	0.00363438	0.01369
593920.79	4129072.5	0.00561638	0.00179158	0.00152719	0.00562
593955.22	4129072.5	0.00606009	0.00192877	0.00164363	0.00606
593989.65	4129072.5	0.0065475	0.00207883	0.00177098	0.00655
594024.08	4129072.5	0.00708074	0.00224312	0.00191038	0.00708

594058.51	4129072.5	0.00766396	0.00242267	0.00206272	0.00766
594092.94	4129072.5	0.00829766	0.00261766	0.00222814	0.00830
594127.37	4129072.5	0.00898673	0.00282956	0.0024079	0.00899
594161.8	4129072.5	0.00972997	0.003058	0.00260167	0.00973
594196.23	4129072.5	0.01052471	0.00330216	0.00280876	0.01052
594230.66	4129072.5	0.01136725	0.0035609	0.00302821	0.01137
594265.09	4129072.5	0.01224165	0.00382948	0.00325602	0.01224
594299.52	4129072.5	0.01313242	0.00410333	0.00348832	0.01313
593920.79	4129091.16	0.00562817	0.00179377	0.00152888	0.00563
593955.22	4129091.16	0.00605776	0.00192638	0.00164144	0.00606
593989.65	4129091.16	0.00652724	0.00207115	0.0017643	0.00653
594024.08	4129091.16	0.00703734	0.00222833	0.00189767	0.00704
594058.51	4129091.16	0.00759145	0.00239897	0.00204245	0.00759
594092.94	4129091.16	0.00819103	0.00258353	0.00219903	0.00819
594127.37	4129091.16	0.008836	0.00278197	0.00236739	0.00884
594161.8	4129091.16	0.0095246	0.0029938	0.00254708	0.00952
594196.23	4129091.16	0.01025201	0.00321752	0.00273687	0.01025
594230.66	4129091.16	0.01101107	0.00345096	0.00293491	0.01101
594265.09	4129091.16	0.01178642	0.00368958	0.00313735	0.01179
594299.52	4129091.16	0.01255948	0.00392786	0.00333955	0.01256
593920.79	4129109.82	0.00562461	0.00179138	0.00152671	0.00562
593955.22	4129109.82	0.00603898	0.0019193	0.00163529	0.00604
593989.65	4129109.82	0.00648924	0.00205817	0.00175313	0.00649
594024.08	4129109.82	0.0069749	0.00220786	0.00188016	0.00697
594058.51	4129109.82	0.00750019	0.00236969	0.00201747	0.00750
594092.94	4129109.82	0.00806349	0.00254317	0.00216466	0.00806
594127.37	4129109.82	0.00866387	0.00272803	0.00232151	0.00866
594161.8	4129109.82	0.00929799	0.0029233	0.00248718	0.00930
594196.23	4129109.82	0.00995945	0.00312701	0.00266003	0.00996
594230.66	4129109.82	0.01063801	0.00333361	0.00283745	0.01064
594265.09	4129109.82	0.01131931	0.00354627	0.00301582	0.01132
594299.52	4129109.82	0.01198316	0.00375155	0.00319009	0.01198
593920.79	4129128.48	0.00560676	0.00178473	0.00152093	0.00561
593955.22	4129128.48	0.00600505	0.0019077	0.0016253	0.00601
593989.65	4129128.48	0.00643512	0.00204038	0.00173791	0.00644
594024.08	4129128.48	0.00689611	0.00218252	0.00185854	0.00690
594058.51	4129128.48	0.00739128	0.00233514	0.00198804	0.00739
594092.94	4129128.48	0.00791795	0.00249746	0.00212578	0.00792
594127.37	4129128.48	0.00847387	0.00266881	0.00227118	0.00847
594161.8	4129128.48	0.00905431	0.00284777	0.00242305	0.00905
594196.23	4129128.48	0.00965168	0.00303204	0.00257943	0.00965
594230.66	4129128.48	0.01025451	0.00321821	0.00273745	0.01025
594265.09	4129128.48	0.01084777	0.00340176	0.00289329	0.01085
594299.52	4129128.48	0.01141156	0.0035768	0.00304197	0.01141
594246.14	4128630.32	0.00639672	0.00216486	0.00185911	0.00640
594272.5	4128630.32	0.00704589	0.00237359	0.00203722	0.00705
594298.86	4128630.32	0.00780618	0.00261759	0.00224538	0.00781
594325.22	4128630.32	0.00870534	0.00290569	0.00249111	0.00871
594351.58	4128630.32	0.0097797	0.00324939	0.00278419	0.00978
594377.94	4128630.32	0.01107907	0.00366439	0.00313801	0.01108
594404.3	4128630.32	0.01267272	0.00417252	0.00357112	0.01267
594430.66	4128630.32	0.01465867	0.00480457	0.00410974	0.01466
594246.14	4128664.43	0.00734521	0.00244285	0.00209336	0.00735
594272.5	4128664.43	0.00814762	0.00269728	0.00231008	0.00815
594298.86	4128664.43	0.00909512	0.00299708	0.00256537	0.00910
594325.22	4128664.43	0.01022444	0.00335368	0.00286895	0.01022
594351.58	4128664.43	0.01158495	0.00378244	0.00323385	0.01158
594377.94	4128664.43	0.01324383	0.0043042	0.0036778	0.01324
594404.3	4128664.43	0.0152932	0.00494749	0.00422501	0.01529
594430.66	4128664.43	0.01789342	0.00576203	0.00491769	0.01789
594246.14	4128698.54	0.00838553	0.00274865	0.00235117	0.00839
594272.5	4128698.54	0.00934813	0.00305069	0.00260808	0.00935
594298.86	4128698.54	0.01048842	0.00340768	0.00291164	0.01049
594325.22	4128698.54	0.01185936	0.00383594	0.00327571	0.01186
594351.58	4128698.54	0.01353451	0.00435811	0.00371946	0.01353
594377.94	4128698.54	0.01556231	0.00498903	0.00425552	0.01556
594404.3	4128698.54	0.01807027	0.00576784	0.00491706	0.01807
594430.66	4128698.54	0.02124546	0.00675192	0.00575274	0.02125

594246.14	4128732.65	0.00944934	0.00306124	0.00261467	0.00945
594272.5	4128732.65	0.01057789	0.00341248	0.00291311	0.01058
594298.86	4128732.65	0.01190986	0.00382617	0.00326452	0.01191
594325.22	4128732.65	0.0135097	0.00432201	0.00368559	0.01351
594351.58	4128732.65	0.01544926	0.00492194	0.0041949	0.01545
594377.94	4128732.65	0.01782492	0.00565531	0.00481736	0.01782
594404.3	4128732.65	0.02073059	0.0065508	0.00557722	0.02073
594430.66	4128732.65	0.02436792	0.00766975	0.00652649	0.02437
594246.14	4128766.76	0.01051069	0.00337281	0.00287728	0.01051
594272.5	4128766.76	0.01178249	0.00376621	0.00321127	0.01178
594298.86	4128766.76	0.01328629	0.00423045	0.00360529	0.01329
594325.22	4128766.76	0.01507766	0.0047824	0.00407364	0.01508
594351.58	4128766.76	0.01724044	0.00544718	0.00463754	0.01724
594377.94	4128766.76	0.01984751	0.00624763	0.00531643	0.01985
594404.3	4128766.76	0.02302995	0.00722307	0.00614353	0.02303
594430.66	4128766.76	0.02695719	0.0084251	0.00716257	0.02696
594246.14	4128800.87	0.01148642	0.00365818	0.00311768	0.01149
594272.5	4128800.87	0.01286615	0.00408302	0.00347814	0.01287
594298.86	4128800.87	0.01449204	0.00458238	0.00390168	0.01449
594325.22	4128800.87	0.01641276	0.00517167	0.00440142	0.01641
594351.58	4128800.87	0.01869703	0.00587142	0.00499472	0.01870
594377.94	4128800.87	0.02143471	0.00670851	0.00570428	0.02143
594404.3	4128800.87	0.02473917	0.0077174	0.00655929	0.02474
594430.66	4128800.87	0.02876309	0.00894424	0.00759882	0.02876
594246.14	4128834.98	0.01233256	0.00390409	0.00332466	0.01233
594272.5	4128834.98	0.01377383	0.00434638	0.00369974	0.01377
594298.86	4128834.98	0.01545229	0.00486055	0.0041357	0.01545
594325.22	4128834.98	0.01741635	0.00546136	0.00464501	0.01742
594351.58	4128834.98	0.01972545	0.00616655	0.00524266	0.01973
594377.94	4128834.98	0.02245332	0.0069984	0.00594752	0.02245
594404.3	4128834.98	0.02569168	0.00798457	0.00678298	0.02569
594430.66	4128834.98	0.02955933	0.00916089	0.00777938	0.02956
594246.14	4128869.09	0.01297342	0.0040885	0.00347964	0.01297
594272.5	4128869.09	0.01441991	0.00453133	0.00385507	0.01442
594298.86	4128869.09	0.01608397	0.00503999	0.00428622	0.01608
594325.22	4128869.09	0.01800323	0.00562587	0.00478272	0.01800
594351.58	4128869.09	0.02022205	0.00630217	0.00535575	0.02022
594377.94	4128869.09	0.02279342	0.00708513	0.00601905	0.02279
594404.3	4128869.09	0.02577718	0.00799255	0.00678766	0.02578
594430.66	4128869.09	0.02924514	0.00904603	0.00767985	0.02925
594246.14	4128903.2	0.01336282	0.00419741	0.00357079	0.01336
594272.5	4128903.2	0.01475731	0.00462363	0.00393205	0.01476
594298.86	4128903.2	0.0163359	0.00510557	0.00434049	0.01634
594325.22	4128903.2	0.01812429	0.00565094	0.00480261	0.01812
594351.58	4128903.2	0.02014953	0.00626782	0.00532523	0.02015
594377.94	4128903.2	0.02243969	0.00696471	0.00591557	0.02244
594404.3	4128903.2	0.02502291	0.00775017	0.00658085	0.02502
594430.66	4128903.2	0.02792279	0.00863122	0.00732703	0.02792
594246.14	4128937.31	0.01347733	0.00422395	0.00359231	0.01348
594272.5	4128937.31	0.01476702	0.00461797	0.00392626	0.01477
594298.86	4128937.31	0.01620105	0.00505563	0.00429715	0.01620
594325.22	4128937.31	0.01779507	0.00554155	0.00470888	0.01780
594351.58	4128937.31	0.01955346	0.00607728	0.00516276	0.01955
594377.94	4128937.31	0.02148623	0.00666571	0.00566126	0.02149
594404.3	4128937.31	0.02359485	0.00730744	0.00620487	0.02359
594430.66	4128937.31	0.02586903	0.00799935	0.00679097	0.02587
594242.73	4128487.55	0.00353593	0.00134099	0.00116662	0.00354
594265.81	4128487.55	0.00372795	0.00141039	0.00122667	0.00373
594288.89	4128487.55	0.00393333	0.00148489	0.00129117	0.00393
594311.97	4128487.55	0.00415964	0.00156777	0.001363	0.00416
594335.05	4128487.55	0.0044079	0.00165966	0.00144273	0.00441
594358.13	4128487.55	0.00468133	0.00176214	0.00153177	0.00468
594381.21	4128487.55	0.00497435	0.00187343	0.00162861	0.00497
594404.29	4128487.55	0.00529507	0.00199726	0.00173654	0.00530
594427.37	4128487.55	0.00564725	0.00213594	0.00185766	0.00565
594450.45	4128487.55	0.00603496	0.00229226	0.00199452	0.00603
594473.53	4128487.55	0.00648069	0.00247684	0.00215654	0.00648
594242.73	4128510.84	0.00387403	0.0014345	0.00124474	0.00387

594265.81	4128510.84	0.00410518	0.00151578	0.00131486	0.00411
594288.89	4128510.84	0.0043578	0.00160483	0.0013917	0.00436
594311.97	4128510.84	0.00463706	0.00170387	0.00147723	0.00464
594335.05	4128510.84	0.00494759	0.0018148	0.0015731	0.00495
594358.13	4128510.84	0.00529079	0.00193818	0.00167981	0.00529
594381.21	4128510.84	0.00566848	0.00207518	0.00179841	0.00567
594404.29	4128510.84	0.00608935	0.00222937	0.00193205	0.00609
594427.37	4128510.84	0.00656102	0.00240418	0.00208375	0.00656
594450.45	4128510.84	0.0070993	0.00260635	0.00225945	0.00710
594473.53	4128510.84	0.00771988	0.00284326	0.0024657	0.00772
594242.73	4128534.13	0.00425182	0.00154108	0.00133406	0.00425
594265.81	4128534.13	0.00453071	0.00163684	0.00141643	0.00453
594288.89	4128534.13	0.0048392	0.00174298	0.00150776	0.00484
594311.97	4128534.13	0.0051819	0.00186121	0.00160954	0.00518
594335.05	4128534.13	0.0055641	0.00199353	0.00172348	0.00556
594358.13	4128534.13	0.00599245	0.00214243	0.00185176	0.00599
594381.21	4128534.13	0.00647512	0.00231099	0.00199705	0.00648
594404.29	4128534.13	0.00702303	0.00250333	0.00216294	0.00702
594427.37	4128534.13	0.00765643	0.00272699	0.00235599	0.00766
594450.45	4128534.13	0.00839762	0.00299055	0.00258365	0.00840
594473.53	4128534.13	0.0092481	0.00329556	0.00284737	0.00925
594242.73	4128557.42	0.00467339	0.00166164	0.00143529	0.00467
594265.81	4128557.42	0.00500507	0.00177326	0.00153108	0.00501
594288.89	4128557.42	0.00537588	0.00189812	0.00163824	0.00538
594311.97	4128557.42	0.00579241	0.0020385	0.00175873	0.00579
594335.05	4128557.42	0.00626261	0.00219718	0.00189496	0.00626
594358.13	4128557.42	0.00679698	0.00237783	0.00205007	0.00680
594381.21	4128557.42	0.00740859	0.00258498	0.00222798	0.00741
594404.29	4128557.42	0.00811447	0.00282459	0.00243383	0.00811
594427.37	4128557.42	0.00894546	0.00310738	0.00267684	0.00895
594450.45	4128557.42	0.00993845	0.00344622	0.00296811	0.00994
594473.53	4128557.42	0.01111084	0.00384669	0.0033125	0.01111
594242.73	4128580.71	0.00514264	0.00179707	0.00154916	0.00514
594265.81	4128580.71	0.00553509	0.00192689	0.00166033	0.00554
594288.89	4128580.71	0.00597788	0.00207329	0.0017857	0.00598
594311.97	4128580.71	0.00648031	0.00223935	0.00192789	0.00648
594335.05	4128580.71	0.00705422	0.00242904	0.00209032	0.00705
594358.13	4128580.71	0.00771424	0.00264724	0.00227716	0.00771
594381.21	4128580.71	0.00848018	0.00290052	0.00249406	0.00848
594404.29	4128580.71	0.00938536	0.00319993	0.00275046	0.00939
594427.37	4128580.71	0.01046018	0.00355556	0.00305502	0.01046
594450.45	4128580.71	0.01175428	0.00398384	0.0034218	0.01175
594473.53	4128580.71	0.01335443	0.00451343	0.00387535	0.01335
594276.7	4128388.72	0.00256606	0.00112328	0.00099116	0.00257
594305.04	4128388.72	0.00267101	0.00117089	0.0010333	0.00267
594333.38	4128388.72	0.00277888	0.00122162	0.00107835	0.00278
594361.72	4128388.72	0.00289051	0.00127684	0.00112758	0.00289
594390.06	4128388.72	0.00300661	0.0013382	0.00118257	0.00301
594418.4	4128388.72	0.00312465	0.00140648	0.00124415	0.00312
594276.7	4128417	0.00286802	0.0011931	0.00104775	0.00287
594305.04	4128417	0.00300587	0.00125079	0.00109844	0.00301
594333.38	4128417	0.00315119	0.00131336	0.00115357	0.00315
594361.72	4128417	0.00330602	0.00138259	0.00121477	0.00331
594390.06	4128417	0.00346879	0.001459	0.00128261	0.00347
594418.4	4128417	0.00363895	0.00154422	0.00135866	0.00364
594276.7	4128445.28	0.00321011	0.00127918	0.00111858	0.00321
594305.04	4128445.28	0.00339256	0.00135077	0.00118108	0.00339
594333.38	4128445.28	0.00358875	0.00142939	0.00124987	0.00359
594361.72	4128445.28	0.00380175	0.00151703	0.00132675	0.00380
594390.06	4128445.28	0.00402885	0.00161382	0.00141194	0.00403
594418.4	4128445.28	0.00427265	0.00172241	0.00150791	0.00427
594276.7	4128473.56	0.00360518	0.0013847	0.00120627	0.00361
594305.04	4128473.56	0.00384034	0.00147234	0.00128236	0.00384
594333.38	4128473.56	0.00410216	0.00157142	0.00136854	0.00410
594361.72	4128473.56	0.00439252	0.0016834	0.00146613	0.00439
594390.06	4128473.56	0.00470727	0.00180748	0.00157451	0.00471
594418.4	4128473.56	0.00505441	0.00194824	0.00169781	0.00505
594019.56	4128351.99	0.00162819	0.0007529	0.00066757	0.00163

594057.87	4128351.99	0.00171174	0.00079627	0.00070639	0.00171
594096.18	4128351.99	0.00179715	0.0008409	0.00074635	0.00180
594134.49	4128351.99	0.00188529	0.00088687	0.00078751	0.00189
594172.8	4128351.99	0.00197418	0.00093187	0.00082771	0.00197
594211.11	4128351.99	0.00206505	0.00097657	0.00086754	0.00207
594019.56	4128372.85	0.00170385	0.00076162	0.00067331	0.00170
594057.87	4128372.85	0.00179727	0.00080609	0.00071283	0.00180
594096.18	4128372.85	0.00189487	0.00085245	0.00075403	0.00189
594134.49	4128372.85	0.0019976	0.00090112	0.00079727	0.00200
594172.8	4128372.85	0.00210317	0.00095	0.00084062	0.00210
594211.11	4128372.85	0.00221204	0.00099933	0.00088428	0.00221
594019.56	4128393.71	0.00178331	0.00077332	0.00068177	0.00178
594057.87	4128393.71	0.00188865	0.00081982	0.00072283	0.00189
594096.18	4128393.71	0.00200025	0.00086893	0.00076619	0.00200
594134.49	4128393.71	0.00211825	0.00092081	0.00081198	0.00212
594172.8	4128393.71	0.0022415	0.00097398	0.00085883	0.00224
594211.11	4128393.71	0.00237288	0.00102974	0.0009079	0.00237
594019.56	4128414.57	0.00186887	0.00078833	0.00069321	0.00187
594057.87	4128414.57	0.00198626	0.0008372	0.00073612	0.00199
594096.18	4128414.57	0.0021126	0.00088957	0.00078211	0.00211
594134.49	4128414.57	0.00224797	0.00094563	0.00083131	0.00225
594172.8	4128414.57	0.00239169	0.00100428	0.00088272	0.00239
594211.11	4128414.57	0.00254817	0.00106716	0.00093775	0.00255
594019.56	4128435.43	0.00196165	0.00080675	0.00070768	0.00196
594057.87	4128435.43	0.0020916	0.00085839	0.00075282	0.00209
594096.18	4128435.43	0.00223287	0.00091433	0.00080171	0.00223
594134.49	4128435.43	0.00238863	0.00097582	0.00085542	0.00239
594172.8	4128435.43	0.00255521	0.00104089	0.00091221	0.00256
594211.11	4128435.43	0.00273935	0.0011118	0.000974	0.00274
594019.56	4128456.29	0.00206137	0.00082832	0.00072494	0.00206
594057.87	4128456.29	0.00220631	0.00088376	0.00077321	0.00221
594096.18	4128456.29	0.00236457	0.00094412	0.00082575	0.00236
594134.49	4128456.29	0.0025396	0.0010107	0.00088369	0.00254
594172.8	4128456.29	0.00273304	0.00108345	0.00094693	0.00273
594211.11	4128456.29	0.00294719	0.0011634	0.00101636	0.00295
594019.56	4128477.15	0.00217149	0.00085402	0.0007458	0.00217
594057.87	4128477.15	0.00233229	0.00091352	0.00079743	0.00233
594096.18	4128477.15	0.0025089	0.00097887	0.00085413	0.00251
594134.49	4128477.15	0.0027058	0.00105155	0.00091717	0.00271
594172.8	4128477.15	0.00292845	0.00113294	0.00098769	0.00293
594211.11	4128477.15	0.00317504	0.00122262	0.00106535	0.00318
594019.56	4128498.01	0.0022917	0.00088346	0.00076991	0.00229
594057.87	4128498.01	0.00246932	0.00094751	0.00082532	0.00247
594096.18	4128498.01	0.0026662	0.00101854	0.00088678	0.00267
594134.49	4128498.01	0.00288774	0.00109831	0.00095579	0.00289
594172.8	4128498.01	0.00314176	0.00118914	0.00103429	0.00314
594211.11	4128498.01	0.00342385	0.00128936	0.00112085	0.00342
593932.1	4128545.28	0.00219428	0.00082107	0.00071327	0.00219
593958.16	4128545.28	0.00230574	0.00086046	0.00074728	0.00231
593984.22	4128545.28	0.0024256	0.00090256	0.00078359	0.00243
594010.28	4128545.28	0.00255585	0.00094799	0.00082274	0.00256
594036.34	4128545.28	0.00269751	0.00099716	0.0008651	0.00270
594062.4	4128545.28	0.00285216	0.00105067	0.00091117	0.00285
594088.46	4128545.28	0.00302273	0.00110958	0.00096188	0.00302
594114.52	4128545.28	0.00321019	0.00117425	0.00101754	0.00321
594140.58	4128545.28	0.0034151	0.00124479	0.00107824	0.00342
594166.64	4128545.28	0.00364123	0.00132231	0.00114492	0.00364
594192.7	4128545.28	0.00388798	0.00140657	0.00121736	0.00389
593932.1	4128616.57	0.00261799	0.00093624	0.00080924	0.00262
593958.16	4128616.57	0.00277032	0.00098732	0.00085306	0.00277
593984.22	4128616.57	0.00293527	0.00104242	0.0009003	0.00294
594010.28	4128616.57	0.00311519	0.00110228	0.0009516	0.00312
594036.34	4128616.57	0.00331354	0.00116804	0.00100793	0.00331
594062.4	4128616.57	0.00353293	0.00124062	0.00107008	0.00353
594088.46	4128616.57	0.0037766	0.00132109	0.00113898	0.00378
594114.52	4128616.57	0.00404837	0.00141068	0.00121567	0.00405
594140.58	4128616.57	0.00435262	0.00151072	0.00130128	0.00435
594166.64	4128616.57	0.00468734	0.0016205	0.00139518	0.00469

594192.7	4128616.57	0.00507369	0.00174663	0.00150303	0.00507
593932.1	4128687.86	0.00310859	0.00107416	0.00092476	0.00311
593958.16	4128687.86	0.00331091	0.00113985	0.00098088	0.00331
593984.22	4128687.86	0.0035324	0.00121151	0.00104208	0.00353
594010.28	4128687.86	0.0037798	0.00129129	0.00111018	0.00378
594036.34	4128687.86	0.00405392	0.00137948	0.00118543	0.00405
594062.4	4128687.86	0.00435861	0.00147731	0.00126889	0.00436
594088.46	4128687.86	0.00470079	0.00158697	0.00136243	0.00470
594114.52	4128687.86	0.00508667	0.0017104	0.00146768	0.00509
594140.58	4128687.86	0.00551841	0.00184823	0.00158519	0.00552
594166.64	4128687.86	0.00601628	0.0020067	0.00172023	0.00602
594192.7	4128687.86	0.00658732	0.00218789	0.00187458	0.00659
593920.36	4128705.8	0.00315268	0.0010832	0.00093191	0.00315
593960.05	4128705.8	0.00347542	0.0011874	0.00102087	0.00348
593999.74	4128705.8	0.0038539	0.00130898	0.0011246	0.00385
594039.43	4128705.8	0.00429363	0.0014497	0.00124461	0.00429
594079.12	4128705.8	0.00481688	0.00161666	0.00138693	0.00482
594118.81	4128705.8	0.005446	0.00181682	0.0015575	0.00545
594158.5	4128705.8	0.00621093	0.00205936	0.00176408	0.00621
594198.19	4128705.8	0.00715345	0.00235691	0.00201738	0.00715
593920.36	4128732.44	0.00335183	0.0011401	0.00097968	0.00335
593960.05	4128732.44	0.00370663	0.00125372	0.00107659	0.00371
593999.74	4128732.44	0.00412378	0.00138672	0.00118994	0.00412
594039.43	4128732.44	0.00461054	0.00154135	0.00132169	0.00461
594079.12	4128732.44	0.00519177	0.00172549	0.00147851	0.00519
594118.81	4128732.44	0.00589828	0.00194867	0.00166852	0.00590
594158.5	4128732.44	0.0067473	0.0022161	0.00189611	0.00675
594198.19	4128732.44	0.00780299	0.00254725	0.00217776	0.00780
593920.36	4128759.08	0.00356406	0.00120113	0.00103097	0.00356
593960.05	4128759.08	0.00395266	0.00132471	0.00113626	0.00395
593999.74	4128759.08	0.00440538	0.00146813	0.00125841	0.00441
594039.43	4128759.08	0.00494409	0.00163821	0.00140319	0.00494
594079.12	4128759.08	0.00558412	0.00183977	0.00157473	0.00558
594118.81	4128759.08	0.00635975	0.0020834	0.00178199	0.00636
594158.5	4128759.08	0.00730008	0.00237788	0.0020324	0.00730
594198.19	4128759.08	0.0084655	0.00274148	0.00234145	0.00847
593920.36	4128785.72	0.00378261	0.00126413	0.00108393	0.00378
593960.05	4128785.72	0.0042044	0.00139749	0.00119748	0.00420
593999.74	4128785.72	0.00469986	0.00155358	0.00133032	0.00470
594039.43	4128785.72	0.00528609	0.00173756	0.00148681	0.00529
594079.12	4128785.72	0.00598435	0.00195635	0.00167288	0.00598
594118.81	4128785.72	0.00682576	0.00221934	0.00189646	0.00683
594158.5	4128785.72	0.00785155	0.002539	0.00216811	0.00785
594198.19	4128785.72	0.00911093	0.00293046	0.00250067	0.00911
593920.36	4128812.36	0.00401336	0.00133099	0.00114018	0.00401
593960.05	4128812.36	0.00446869	0.00147424	0.00126207	0.00447
593999.74	4128812.36	0.00499963	0.00164058	0.00140353	0.00500
594039.43	4128812.36	0.00562803	0.00183716	0.00157067	0.00563
594079.12	4128812.36	0.00637725	0.00207096	0.00176939	0.00638
594118.81	4128812.36	0.00727968	0.00235186	0.00200807	0.00728
594158.5	4128812.36	0.00837661	0.00269238	0.0022973	0.00838
594198.19	4128812.36	0.0097234	0.00310913	0.00265113	0.00972
593920.36	4128839	0.00424846	0.00139927	0.00119764	0.00425
593960.05	4128839	0.00473149	0.00155056	0.0013263	0.00473
593999.74	4128839	0.00529608	0.00172694	0.00147623	0.00530
594039.43	4128839	0.0059635	0.00193491	0.00165297	0.00596
594079.12	4128839	0.00675829	0.00218202	0.0018629	0.00676
594118.81	4128839	0.00771187	0.00247784	0.00211415	0.00771
594158.5	4128839	0.0088656	0.00283486	0.00241726	0.00887
594198.19	4128839	0.0102739	0.0032694	0.00278606	0.01027
593920.36	4128865.64	0.00447943	0.00146629	0.00125404	0.00448
593960.05	4128865.64	0.00498793	0.00162512	0.00138906	0.00499
593999.74	4128865.64	0.00558312	0.00181045	0.00154653	0.00558
594039.43	4128865.64	0.00628424	0.00202826	0.00173155	0.00628
594079.12	4128865.64	0.00711548	0.00228596	0.0019504	0.00712
594118.81	4128865.64	0.00810746	0.00259285	0.00221095	0.00811
594158.5	4128865.64	0.00929986	0.00296089	0.00252331	0.00930
594198.19	4128865.64	0.01074362	0.00340532	0.00290039	0.01074

593920.36	4128892.28	0.00470225	0.00153103	0.00130852	0.00470
593960.05	4128892.28	0.00523367	0.00169647	0.00144909	0.00523
593999.74	4128892.28	0.00585322	0.00188886	0.00161251	0.00585
594039.43	4128892.28	0.00657948	0.0021139	0.00180361	0.00658
594079.12	4128892.28	0.00743568	0.00237872	0.00202843	0.00744
594118.81	4128892.28	0.00845063	0.00269202	0.00229435	0.00845
594158.5	4128892.28	0.00966052	0.00306471	0.00261057	0.00966
594198.19	4128892.28	0.01111127	0.00351051	0.00298871	0.01111
593920.36	4128918.92	0.00491196	0.00159183	0.00135967	0.00491
593960.05	4128918.92	0.00545962	0.00176195	0.00150418	0.00546
593999.74	4128918.92	0.00609591	0.0019591	0.0016716	0.00610
594039.43	4128918.92	0.00683736	0.0021884	0.00186626	0.00684
594079.12	4128918.92	0.00770527	0.00245633	0.00209367	0.00771
594118.81	4128918.92	0.00872573	0.00277081	0.00236052	0.00873
594158.5	4128918.92	0.00993051	0.00314139	0.00267489	0.00993
594198.19	4128918.92	0.01135824	0.00357958	0.00304652	0.01136
593920.36	4128945.56	0.00510276	0.00164698	0.00140606	0.00510
593960.05	4128945.56	0.00566097	0.00182001	0.001553	0.00566
593999.74	4128945.56	0.00630559	0.0020194	0.00172227	0.00631
594039.43	4128945.56	0.00705158	0.00224973	0.00191777	0.00705
594079.12	4128945.56	0.00791787	0.0025168	0.0021444	0.00792
594118.81	4128945.56	0.00892683	0.00282734	0.00240787	0.00893
594158.5	4128945.56	0.01010481	0.0031893	0.00271489	0.01010
594198.19	4128945.56	0.01148267	0.00361184	0.0030732	0.01148
595128.75	4128512.05	0.05075141	0.01572965	0.01335764	0.05075
595157.74	4128512.05	0.04464329	0.01386724	0.01177957	0.04464
595128.75	4128529.32	0.05177948	0.01606018	0.01363968	0.05178
595157.74	4128529.32	0.04514305	0.0140369	0.01192532	0.04514
595128.75	4128546.59	0.05212405	0.01618525	0.01374797	0.05212
595157.74	4128546.59	0.04510875	0.01404683	0.01193609	0.04511
595362.46	4128329.27	0.0179896	0.00565203	0.00480839	0.01799
595397.07	4128329.27	0.01659968	0.00522323	0.00444448	0.01660
595431.68	4128329.27	0.01528997	0.0048194	0.00410178	0.01529
595466.29	4128329.27	0.01406463	0.00444177	0.00378135	0.01406
595362.46	4128386.58	0.01936714	0.00608196	0.00517383	0.01937
595397.07	4128386.58	0.01754298	0.00552179	0.00469873	0.01754
595431.68	4128386.58	0.01588091	0.00501126	0.00426571	0.01588
595466.29	4128386.58	0.01437381	0.00454823	0.00387296	0.01437
595362.46	4128443.89	0.01978829	0.0062303	0.00530183	0.01979
595397.07	4128443.89	0.01758938	0.00555602	0.00473005	0.01759
595431.68	4128443.89	0.01565179	0.00496125	0.00422562	0.01565
595466.29	4128443.89	0.01394794	0.00443764	0.00378148	0.01395
595362.46	4128501.2	0.0189313	0.00599986	0.00511013	0.01893
595397.07	4128501.2	0.0165452	0.0052671	0.00448864	0.01655
595431.68	4128501.2	0.01450884	0.00464059	0.00395713	0.01451
595466.29	4128501.2	0.01276916	0.00410435	0.00350209	0.01277
594785.72	4129528.1	0.0027251	0.00098969	0.00085693	0.00273
594896.78	4129528.1	0.00215938	0.00084449	0.00073705	0.00216
595007.84	4129528.1	0.00155611	0.00069911	0.00061832	0.00156
595118.9	4129528.1	0.0013922	0.00070288	0.00062773	0.00139
595229.96	4129528.1	0.00137966	0.00078344	0.00070573	0.00138
594785.72	4129568.18	0.0025067	0.00091422	0.00079196	0.00251
594896.78	4129568.18	0.00201366	0.00078764	0.00068745	0.00201
595007.84	4129568.18	0.00144835	0.00064825	0.00057315	0.00145
595118.9	4129568.18	0.00127702	0.00064059	0.0005718	0.00128
595229.96	4129568.18	0.00126874	0.00070367	0.00063283	0.00127
594785.72	4129608.26	0.00231497	0.00084734	0.00073431	0.00231
594896.78	4129608.26	0.00188474	0.00073673	0.00064297	0.00188
595007.84	4129608.26	0.00135433	0.00060301	0.00053289	0.00135
595118.9	4129608.26	0.00117515	0.00058476	0.00052163	0.00118
595229.96	4129608.26	0.00116652	0.00063186	0.00056729	0.00117
594785.72	4129648.34	0.00214555	0.00078764	0.0006828	0.00215
594896.78	4129648.34	0.00176884	0.00069045	0.00060249	0.00177
595007.84	4129648.34	0.00127156	0.00056232	0.00049663	0.00127
595118.9	4129648.34	0.00108552	0.00053456	0.00047646	0.00109
595229.96	4129648.34	0.0010743	0.00056732	0.0005084	0.00107
594785.72	4129688.42	0.00199469	0.00073394	0.00063641	0.00199
594896.78	4129688.42	0.00166465	0.00064828	0.00056556	0.00166

595007.84	4129688.42	0.0011984	0.00052546	0.00046372	0.00120
595118.9	4129688.42	0.00100604	0.00048919	0.00043558	0.00101
595229.96	4129688.42	0.00099149	0.00050973	0.00045587	0.00099
594785.72	4129728.5	0.00185999	0.00068542	0.00059444	0.00186
594896.78	4129728.5	0.00156995	0.00060948	0.00053154	0.00157
595007.84	4129728.5	0.0011333	0.00049187	0.00043367	0.00113
595118.9	4129728.5	0.00093605	0.00044841	0.00039878	0.00094
595229.96	4129728.5	0.00091633	0.00045853	0.00040921	0.00092
594785.72	4129768.58	0.00173952	0.0006415	0.00055639	0.00174
594896.78	4129768.58	0.0014837	0.0005737	0.00050012	0.00148
595007.84	4129768.58	0.00107492	0.00046119	0.00040619	0.00107
595118.9	4129768.58	0.00087385	0.00041182	0.00036574	0.00087
595229.96	4129768.58	0.000848	0.00041347	0.00036824	0.00085
594785.72	4129808.66	0.00163155	0.00060161	0.00052179	0.00163
594896.78	4129808.66	0.00140495	0.00054067	0.00047109	0.00140
595007.84	4129808.66	0.00102233	0.00043321	0.0003811	0.00102
595118.9	4129808.66	0.00081928	0.00037943	0.00033647	0.00082
595229.96	4129808.66	0.00078686	0.00037432	0.0003327	0.00079
593938.13	4129525.18	0.00374021	0.00120042	0.00102408	0.00374
594005.94	4129525.18	0.00384377	0.00123531	0.00105402	0.00384
594073.75	4129525.18	0.0038952	0.00125502	0.00107119	0.00390
594141.56	4129525.18	0.00389311	0.00125927	0.00107536	0.00389
594209.37	4129525.18	0.003845	0.00125029	0.00106841	0.00384
594277.18	4129525.18	0.00376934	0.00123349	0.0010549	0.00377
594344.99	4129525.18	0.00368233	0.00121351	0.00103872	0.00368
594412.8	4129525.18	0.00357769	0.00118847	0.0010183	0.00358
594480.61	4129525.18	0.00342297	0.00114899	0.00098574	0.00342
594548.42	4129525.18	0.00320267	0.00109118	0.00093783	0.00320
594616.23	4129525.18	0.00297578	0.00103342	0.0008902	0.00298
593938.13	4129583.05	0.0034012	0.00109561	0.0009351	0.00340
594005.94	4129583.05	0.00345152	0.00111424	0.00095127	0.00345
594073.75	4129583.05	0.0034581	0.00112019	0.00095676	0.00346
594141.56	4129583.05	0.00342436	0.00111458	0.00095255	0.00342
594209.37	4129583.05	0.00336396	0.00110145	0.00094203	0.00336
594277.18	4129583.05	0.00329301	0.00108546	0.00092914	0.00329
594344.99	4129583.05	0.00321871	0.0010686	0.00091553	0.00322
594412.8	4129583.05	0.00312529	0.00104618	0.00089723	0.00313
594480.61	4129583.05	0.00298168	0.00100925	0.00086673	0.00298
594548.42	4129583.05	0.00278447	0.00095739	0.00082374	0.00278
594616.23	4129583.05	0.00259445	0.00090942	0.00078425	0.00259
593938.13	4129640.92	0.00308364	0.00099739	0.00085172	0.00308
594005.94	4129640.92	0.00309589	0.00100434	0.00085798	0.00310
594073.75	4129640.92	0.00307392	0.00100142	0.00085594	0.00307
594141.56	4129640.92	0.00302599	0.00099119	0.00084778	0.00303
594209.37	4129640.92	0.00296561	0.00097761	0.00083684	0.00297
594277.18	4129640.92	0.00290457	0.00096404	0.00082591	0.00290
594344.99	4129640.92	0.00284192	0.00095005	0.00081466	0.00284
594412.8	4129640.92	0.00275529	0.000929	0.00079744	0.00276
594480.61	4129640.92	0.00261982	0.0008938	0.00076832	0.00262
594548.42	4129640.92	0.00244273	0.00084711	0.0007296	0.00244
594616.23	4129640.92	0.00228345	0.00080718	0.00069676	0.00228
593938.13	4129698.79	0.00279183	0.00090703	0.000775	0.00279
594005.94	4129698.79	0.00277798	0.0009059	0.00077439	0.00278
594073.75	4129698.79	0.00274051	0.00089804	0.00076815	0.00274
594141.56	4129698.79	0.00268883	0.00088633	0.00075869	0.00269
594209.37	4129698.79	0.00263484	0.00087424	0.00074895	0.00263
594277.18	4129698.79	0.00258443	0.00086333	0.00074022	0.00258
594344.99	4129698.79	0.00252977	0.00085116	0.00073043	0.00253
594412.8	4129698.79	0.002447	0.00083066	0.00071361	0.00245
594480.61	4129698.79	0.00231904	0.00079706	0.00068576	0.00232
594548.42	4129698.79	0.00216011	0.000755	0.00065086	0.00216
594616.23	4129698.79	0.0020266	0.00072173	0.00062353	0.00203
593938.13	4129756.66	0.00252569	0.00082447	0.00070487	0.00253
594005.94	4129756.66	0.00249809	0.00081898	0.00070056	0.00250
594073.75	4129756.66	0.00245352	0.00080872	0.00069225	0.00245
594141.56	4129756.66	0.00240459	0.00079749	0.00068317	0.00240
594209.37	4129756.66	0.00236014	0.00078782	0.00067542	0.00236
594277.18	4129756.66	0.00231876	0.00077913	0.00066851	0.00232



594344.99	4129756.66	0.00226837	0.0007677	0.00065928	0.00227
594412.8	4129756.66	0.00218784	0.00074732	0.00064249	0.00219
594480.61	4129756.66	0.00206606	0.00071496	0.00061562	0.00207
594548.42	4129756.66	0.00192367	0.00067709	0.00058417	0.00192
594616.23	4129756.66	0.00181201	0.00064937	0.00056141	0.00181
593938.13	4129814.53	0.00228757	0.00075039	0.00064193	0.00229
594005.94	4129814.53	0.00225225	0.00074237	0.00063546	0.00225
594073.75	4129814.53	0.0022084	0.00073206	0.00062708	0.00221
594141.56	4129814.53	0.00216548	0.00072228	0.00061917	0.00217
594209.37	4129814.53	0.00212874	0.00071451	0.00061298	0.00213
594277.18	4129814.53	0.00209394	0.00070731	0.00060728	0.00209
594344.99	4129814.53	0.00204599	0.00069612	0.00059819	0.00205
594412.8	4129814.53	0.00196648	0.00067553	0.00058117	0.00197
594480.61	4129814.53	0.0018513	0.00064455	0.0005554	0.00185
594548.42	4129814.53	0.00172392	0.00061045	0.00052705	0.00172
594616.23	4129814.53	0.00163082	0.00058735	0.00050808	0.00163
593667	4128083.42	0.00066412	0.00027432	0.00024073	0.00066
593722.02	4128083.42	0.00068184	0.00029244	0.00025755	0.00068
593777.04	4128083.42	0.00070062	0.00031597	0.00027955	0.00070
593832.06	4128083.42	0.00072272	0.00034906	0.00031063	0.00072
593667	4128157.74	0.00076681	0.00031856	0.00027972	0.00077
593722.02	4128157.74	0.00080053	0.00034557	0.00030453	0.00080
593777.04	4128157.74	0.00083617	0.00038006	0.00033648	0.00084
593832.06	4128157.74	0.00087487	0.00042649	0.00037983	0.00087
593667	4128232.06	0.00086284	0.00036131	0.00031749	0.00086
593722.02	4128232.06	0.00091463	0.00039622	0.00034928	0.00091
593777.04	4128232.06	0.00097021	0.00043858	0.00038811	0.00097
593832.06	4128232.06	0.00102979	0.00049088	0.00043636	0.00103
593667	4128306.38	0.00095511	0.0003983	0.00034986	0.00096
593722.02	4128306.38	0.00102167	0.00043686	0.00038464	0.00102
593777.04	4128306.38	0.00109473	0.0004816	0.00042514	0.00109
593832.06	4128306.38	0.00117401	0.00053304	0.00047188	0.00117
593667	4128380.7	0.00106223	0.00043363	0.00038011	0.00106
593722.02	4128380.7	0.00114081	0.00047318	0.00041541	0.00114
593777.04	4128380.7	0.00122834	0.00051774	0.00045523	0.00123
593832.06	4128380.7	0.00132564	0.00056728	0.00049951	0.00133
593667	4128455.02	0.00120413	0.00047529	0.00041522	0.00120
593722.02	4128455.02	0.00129657	0.00051607	0.00045123	0.00130
593777.04	4128455.02	0.00140104	0.00056154	0.00049133	0.00140
593832.06	4128455.02	0.00151858	0.00061171	0.00053549	0.00152
593667	4128529.34	0.00138326	0.00052566	0.00045741	0.00138
593722.02	4128529.34	0.00149746	0.00057047	0.00049652	0.00150
593777.04	4128529.34	0.00162763	0.00062058	0.00054019	0.00163
593832.06	4128529.34	0.00177674	0.0006768	0.00058907	0.00178
593667	4128603.66	0.00158668	0.00058242	0.00050489	0.00159
593722.02	4128603.66	0.00173114	0.00063444	0.00054989	0.00173
593777.04	4128603.66	0.0018979	0.00069355	0.00060093	0.00190
593832.06	4128603.66	0.00209134	0.00076111	0.00065917	0.00209
593667	4128677.98	0.0018057	0.00064364	0.00055612	0.00181
593722.02	4128677.98	0.00198846	0.00070592	0.00060965	0.00199
593777.04	4128677.98	0.0021989	0.00077685	0.00067054	0.00220
593832.06	4128677.98	0.00244819	0.00086002	0.00074183	0.00245
593667	4128752.3	0.00205092	0.00071301	0.00061428	0.00205
593722.02	4128752.3	0.00227515	0.00078679	0.00067742	0.00228
593777.04	4128752.3	0.00254004	0.00087325	0.00075134	0.00254
593832.06	4128752.3	0.00285598	0.00097563	0.00083878	0.00286
593667	4128826.62	0.0023359	0.00079462	0.00068282	0.00234
593722.02	4128826.62	0.00260925	0.00088248	0.00075779	0.00261
593777.04	4128826.62	0.00293376	0.0009862	0.00084623	0.00293
593832.06	4128826.62	0.00332356	0.0011101	0.00095179	0.00332
593667	4128900.94	0.00265536	0.00088692	0.00076043	0.00266
593722.02	4128900.94	0.00297805	0.00098908	0.00084743	0.00298
593777.04	4128900.94	0.00336199	0.00111011	0.00095045	0.00336
593832.06	4128900.94	0.00382217	0.00125459	0.00107335	0.00382
593667	4128975.26	0.00297947	0.00098088	0.00083949	0.00298
593722.02	4128975.26	0.0033405	0.00109412	0.00093581	0.00334
593777.04	4128975.26	0.00376559	0.00122704	0.00104882	0.00377
593832.06	4128975.26	0.00426911	0.00138399	0.0011822	0.00427

593667	4129049.58	0.00325836	0.00106155	0.00090734	0.00326
593722.02	4129049.58	0.00363526	0.00117916	0.00100731	0.00364
593777.04	4129049.58	0.00407201	0.00131511	0.00112283	0.00407
593832.06	4129049.58	0.00458005	0.00147286	0.00125681	0.00458
594352.86	4127540.64	0.00018838	0.00012178	0.00011061	0.00019
594416.15	4127540.64	0.00020442	0.00013704	0.00012475	0.00020
594479.44	4127540.64	0.00023394	0.00015757	0.00014348	0.00023
594542.73	4127540.64	0.0002793	0.00018305	0.00016641	0.00028
594606.02	4127540.64	0.00034304	0.00021457	0.00019451	0.00034
594669.31	4127540.64	0.00042416	0.00025069	0.00022643	0.00042
594732.6	4127540.64	0.00052298	0.00029182	0.00026255	0.00052
594795.89	4127540.64	0.00063798	0.0003366	0.00030162	0.00064
594859.18	4127540.64	0.0007689	0.00038468	0.0003433	0.00077
594922.47	4127540.64	0.00091581	0.00043536	0.00038692	0.00092
594985.76	4127540.64	0.00107674	0.00048766	0.00043161	0.00108
595049.05	4127540.64	0.00125268	0.00054195	0.00047769	0.00125
595112.34	4127540.64	0.00143904	0.00059717	0.00052429	0.00144
595175.63	4127540.64	0.00163052	0.00065185	0.0005702	0.00163
595238.92	4127540.64	0.00181869	0.0007041	0.00061388	0.00182
595302.21	4127540.64	0.00200064	0.00075348	0.00065501	0.00200
595365.5	4127540.64	0.00216709	0.00079751	0.00069155	0.00217
595428.79	4127540.64	0.00231892	0.00083678	0.00072401	0.00232
595492.08	4127540.64	0.00244549	0.00086826	0.00074986	0.00245
595555.37	4127540.64	0.00254752	0.00089236	0.00076947	0.00255
595618.66	4127540.64	0.00262354	0.00090878	0.00078261	0.00262
594352.86	4127567.33	0.00020153	0.00013536	0.00012323	0.00020
594416.15	4127567.33	0.00021678	0.00015083	0.00013759	0.00022
594479.44	4127567.33	0.00024748	0.00017304	0.0001579	0.00025
594542.73	4127567.33	0.00029453	0.00019994	0.00018213	0.00029
594606.02	4127567.33	0.00036156	0.00023326	0.00021186	0.00036
594669.31	4127567.33	0.00044818	0.00027207	0.00024618	0.00045
594732.6	4127567.33	0.00055429	0.00031628	0.000285	0.00055
594795.89	4127567.33	0.0006783	0.00036439	0.00032696	0.00068
594859.18	4127567.33	0.00081988	0.00041592	0.00037159	0.00082
594922.47	4127567.33	0.00097905	0.00047006	0.00041811	0.00098
594985.76	4127567.33	0.00115597	0.00052648	0.0004662	0.00116
595049.05	4127567.33	0.00134401	0.00058323	0.00051421	0.00134
595112.34	4127567.33	0.00154635	0.00064191	0.00056359	0.00155
595175.63	4127567.33	0.00175108	0.00069916	0.0006115	0.00175
595238.92	4127567.33	0.00195453	0.00075461	0.00065773	0.00195
595302.21	4127567.33	0.00214451	0.00080502	0.00069957	0.00214
595365.5	4127567.33	0.00232242	0.00085127	0.00073784	0.00232
595428.79	4127567.33	0.00247524	0.00088966	0.00076942	0.00248
595492.08	4127567.33	0.00260298	0.00092047	0.00079459	0.00260
595555.37	4127567.33	0.00270298	0.00094311	0.00081286	0.00270
595618.66	4127567.33	0.00277405	0.00095731	0.00082403	0.00277
594352.86	4127594.02	0.0002175	0.00015157	0.00013828	0.00022
594416.15	4127594.02	0.00023288	0.00016875	0.00015427	0.00023
594479.44	4127594.02	0.00026308	0.00019127	0.0001749	0.00026
594542.73	4127594.02	0.00031193	0.00021974	0.00020058	0.00031
594606.02	4127594.02	0.00038201	0.00025467	0.00023175	0.00038
594669.31	4127594.02	0.00047528	0.00029685	0.00026908	0.00048
594732.6	4127594.02	0.00058958	0.00034446	0.00031089	0.00059
594795.89	4127594.02	0.00072376	0.00039622	0.000356	0.00072
594859.18	4127594.02	0.00087805	0.00045171	0.000404	0.00088
594922.47	4127594.02	0.00104896	0.00050868	0.00045283	0.00105
594985.76	4127594.02	0.00124107	0.00056857	0.00050373	0.00124
595049.05	4127594.02	0.00144717	0.00062943	0.00055507	0.00145
595112.34	4127594.02	0.00166498	0.00069096	0.00060664	0.00166
595175.63	4127594.02	0.00188521	0.00075116	0.00065685	0.00189
595238.92	4127594.02	0.0021011	0.00080869	0.00070463	0.00210
595302.21	4127594.02	0.00230331	0.00086125	0.00074812	0.00230
595365.5	4127594.02	0.00248755	0.00090798	0.00078662	0.00249
595428.79	4127594.02	0.00264424	0.00094628	0.00081798	0.00264
595492.08	4127594.02	0.0027721	0.00097605	0.00084214	0.00277
595555.37	4127594.02	0.00287026	0.00099722	0.00085907	0.00287
595618.66	4127594.02	0.00293511	0.00100881	0.00086795	0.00294
594352.86	4127620.71	0.00023175	0.00016702	0.00015265	0.00023

594416.15	4127620.71	0.00025041	0.00018839	0.00017257	0.00025
594479.44	4127620.71	0.000284	0.00021445	0.00019648	0.00028
594542.73	4127620.71	0.00033326	0.00024418	0.00022336	0.00033
594606.02	4127620.71	0.00040471	0.00027934	0.00025471	0.00040
594669.31	4127620.71	0.00050499	0.00032513	0.00029526	0.00050
594732.6	4127620.71	0.00062778	0.00037606	0.00033997	0.00063
594795.89	4127620.71	0.00077363	0.00043209	0.00038878	0.00077
594859.18	4127620.71	0.00094055	0.0004911	0.00043972	0.00094
594922.47	4127620.71	0.00112889	0.00055251	0.00049221	0.00113
594985.76	4127620.71	0.00133538	0.00061515	0.00054526	0.00134
595049.05	4127620.71	0.00156046	0.00067986	0.00059963	0.00156
595112.34	4127620.71	0.00179635	0.00074474	0.00065379	0.00180
595175.63	4127620.71	0.00203345	0.00080797	0.00070633	0.00203
595238.92	4127620.71	0.00226231	0.00086747	0.00075555	0.00226
595302.21	4127620.71	0.00247714	0.00092206	0.00080055	0.00248
595365.5	4127620.71	0.00266722	0.00096899	0.00083904	0.00267
595428.79	4127620.71	0.00282688	0.00100683	0.00086985	0.00283
595492.08	4127620.71	0.00295548	0.0010357	0.00089312	0.00296
595555.37	4127620.71	0.00304743	0.00105407	0.00090757	0.00305
595618.66	4127620.71	0.00310423	0.00106258	0.00091376	0.00310
594352.86	4127647.4	0.00024813	0.00018553	0.00016989	0.00025
594416.15	4127647.4	0.0002676	0.00020998	0.00019275	0.00027
594479.44	4127647.4	0.00030339	0.00023903	0.00021946	0.00030
594542.73	4127647.4	0.00035753	0.00027247	0.00024975	0.00036
594606.02	4127647.4	0.00043003	0.00030798	0.00028139	0.00043
594669.31	4127647.4	0.00053761	0.00035737	0.00032515	0.00054
594732.6	4127647.4	0.00067067	0.00041253	0.00037358	0.00067
594795.89	4127647.4	0.00082837	0.00047243	0.0004257	0.00083
594859.18	4127647.4	0.00100993	0.00053543	0.00047996	0.00101
594922.47	4127647.4	0.00121513	0.00060054	0.00053542	0.00122
594985.76	4127647.4	0.00144248	0.00066755	0.00059194	0.00144
595049.05	4127647.4	0.00168773	0.00073574	0.00064895	0.00169
595112.34	4127647.4	0.00194063	0.00080326	0.00070505	0.00194
595175.63	4127647.4	0.00219747	0.00087005	0.00076032	0.00220
595238.92	4127647.4	0.00244311	0.00093238	0.00081168	0.00244
595302.21	4127647.4	0.00266758	0.0009879	0.00085724	0.00267
595365.5	4127647.4	0.00286415	0.00103504	0.0008957	0.00286
595428.79	4127647.4	0.00302659	0.00107228	0.00092584	0.00303
595492.08	4127647.4	0.00315093	0.00109869	0.00094688	0.00315
595555.37	4127647.4	0.00323616	0.00111421	0.00095882	0.00324
595618.66	4127647.4	0.00328182	0.00111857	0.00096141	0.00328
594352.86	4127674.09	0.00026672	0.00020704	0.00018995	0.00027
594416.15	4127674.09	0.00028711	0.00023522	0.00021636	0.00029
594479.44	4127674.09	0.00032466	0.00026752	0.00024614	0.00032
594542.73	4127674.09	0.00038258	0.00030396	0.00027919	0.00038
594606.02	4127674.09	0.00045809	0.00034113	0.00031232	0.00046
594669.31	4127674.09	0.00057405	0.00039478	0.00035988	0.00057
594732.6	4127674.09	0.00071796	0.00045421	0.00041204	0.00072
594795.89	4127674.09	0.00089064	0.000519	0.00046834	0.00089
594859.18	4127674.09	0.00108883	0.00058599	0.00052586	0.00109
594922.47	4127674.09	0.00131217	0.00065445	0.00058391	0.00131
594985.76	4127674.09	0.00156065	0.0007251	0.00064318	0.00156
595049.05	4127674.09	0.00182815	0.00079692	0.00070292	0.00183
595112.34	4127674.09	0.0021043	0.00086843	0.00076204	0.00210
595175.63	4127674.09	0.00237738	0.00093729	0.00081873	0.00238
595238.92	4127674.09	0.00264076	0.00100245	0.00087218	0.00264
595302.21	4127674.09	0.00287619	0.00105904	0.00091838	0.00288
595365.5	4127674.09	0.00307831	0.001106	0.00095648	0.00308
595428.79	4127674.09	0.00324077	0.00114175	0.00098518	0.00324
595492.08	4127674.09	0.00336061	0.00116573	0.00100405	0.00336
595555.37	4127674.09	0.00343538	0.0011771	0.00101236	0.00344
595618.66	4127674.09	0.00346911	0.0011772	0.00101127	0.00347
594352.86	4127700.78	0.0002841	0.0002297	0.00021115	0.00028
594416.15	4127700.78	0.00030968	0.00026558	0.00024481	0.00031
594479.44	4127700.78	0.00034915	0.00030165	0.00027814	0.00035
594542.73	4127700.78	0.00040999	0.00034075	0.00031364	0.00041
594606.02	4127700.78	0.00049021	0.00038058	0.00034917	0.00049
594669.31	4127700.78	0.00061497	0.00043848	0.00040052	0.00061

594732.6	4127700.78	0.00077149	0.00050275	0.00045689	0.00077
594795.89	4127700.78	0.00095963	0.00057201	0.00051695	0.00096
594859.18	4127700.78	0.00117613	0.00064275	0.00057744	0.00118
594922.47	4127700.78	0.00142063	0.00071469	0.0006381	0.00142
594985.76	4127700.78	0.00169269	0.00078881	0.00069988	0.00169
595049.05	4127700.78	0.00198322	0.00086384	0.00076188	0.00198
595112.34	4127700.78	0.00228492	0.00093943	0.00082404	0.00228
595175.63	4127700.78	0.00258082	0.00101188	0.00088337	0.00258
595238.92	4127700.78	0.00285692	0.00107797	0.00093728	0.00286
595302.21	4127700.78	0.00310482	0.0011359	0.00098434	0.00310
595365.5	4127700.78	0.00331121	0.0011822	0.00102165	0.00331
595428.79	4127700.78	0.00347173	0.00121583	0.00104838	0.00347
595492.08	4127700.78	0.00358329	0.00123619	0.00106404	0.00358
595555.37	4127700.78	0.00364679	0.0012433	0.00106866	0.00365
595618.66	4127700.78	0.00366639	0.00123857	0.00106341	0.00367
595497.7	4127730.05	0.0038514	0.00131895	0.00113429	0.00385
595572.99	4127730.05	0.00389807	0.00131812	0.00113184	0.00390
595648.28	4127730.05	0.00388137	0.00130041	0.00111538	0.00388
595723.57	4127730.05	0.00381339	0.00126904	0.00108757	0.00381
595798.86	4127730.05	0.00370772	0.00122792	0.00105171	0.00371
595497.7	4127796.4	0.00451466	0.00152402	0.00130838	0.00451
595572.99	4127796.4	0.00450282	0.00150397	0.00128949	0.00450
595648.28	4127796.4	0.00442217	0.00146605	0.00125582	0.00442
595723.57	4127796.4	0.00429094	0.00141516	0.00121144	0.00429
595798.86	4127796.4	0.004126	0.00135589	0.00116019	0.00413
595497.7	4127862.75	0.00528887	0.00176033	0.00150863	0.00529
595572.99	4127862.75	0.00519264	0.00171414	0.00146756	0.00519
595648.28	4127862.75	0.00502722	0.00165034	0.00141195	0.00503
595723.57	4127862.75	0.00481652	0.0015754	0.00134721	0.00482
595798.86	4127862.75	0.00457893	0.00149418	0.00127738	0.00458
595497.7	4127929.1	0.00618667	0.00203268	0.00173925	0.00619
595572.99	4127929.1	0.00597494	0.00195172	0.00166875	0.00597
595648.28	4127929.1	0.00570008	0.00185523	0.00158553	0.00570
595723.57	4127929.1	0.00538849	0.0017499	0.00149509	0.00539
595798.86	4127929.1	0.0050601	0.00164138	0.00140216	0.00506
595497.7	4127995.45	0.00722195	0.00234678	0.00200521	0.00722
595572.99	4127995.45	0.00685353	0.00221885	0.00189501	0.00685
595648.28	4127995.45	0.0064352	0.0020792	0.00177528	0.00644
595723.57	4127995.45	0.00599469	0.00193519	0.00165214	0.00599
595798.86	4127995.45	0.00555055	0.0017919	0.00152982	0.00555
595497.7	4128061.8	0.00839787	0.00270375	0.0023075	0.00840
595572.99	4128061.8	0.007818	0.00251253	0.00214381	0.00782
595648.28	4128061.8	0.00721025	0.00231605	0.00197603	0.00721
595723.57	4128061.8	0.00660221	0.00212174	0.00181036	0.00660
595798.86	4128061.8	0.00601154	0.00193441	0.0016508	0.00601
595497.7	4128128.15	0.00969248	0.00309721	0.00264074	0.00969
595572.99	4128128.15	0.00882506	0.00281994	0.00240433	0.00883
595648.28	4128128.15	0.00796878	0.00254892	0.00217354	0.00797
595723.57	4128128.15	0.00714915	0.00229107	0.00195413	0.00715
595798.86	4128128.15	0.00638127	0.00205035	0.00174941	0.00638
595497.7	4128194.5	0.01102453	0.00350271	0.00298425	0.01102
595572.99	4128194.5	0.00977754	0.00311188	0.00265187	0.00978
595648.28	4128194.5	0.00860973	0.00274735	0.00234202	0.00861
595723.57	4128194.5	0.00754258	0.00241508	0.00205968	0.00754
595798.86	4128194.5	0.00658342	0.00211666	0.00180613	0.00658
595497.7	4128260.85	0.01222121	0.00386927	0.00329505	0.01222
595572.99	4128260.85	0.01051	0.003339	0.00284475	0.01051
595648.28	4128260.85	0.00899484	0.00287001	0.00244656	0.00899
595723.57	4128260.85	0.00767741	0.00246216	0.00210026	0.00768
595798.86	4128260.85	0.00654709	0.00211189	0.00180282	0.00655
595497.7	4128327.2	0.01301236	0.00411736	0.00350605	0.01301
595572.99	4128327.2	0.01081757	0.003441	0.00293213	0.01082
595648.28	4128327.2	0.00898587	0.00287602	0.00245266	0.00899
595723.57	4128327.2	0.00747548	0.00240934	0.00205651	0.00748
595798.86	4128327.2	0.00623958	0.00202651	0.00173144	0.00624
595497.7	4128393.55	0.01310029	0.00415867	0.00354274	0.01310
595572.99	4128393.55	0.01053148	0.00336796	0.00287188	0.01053
595648.28	4128393.55	0.00851168	0.00274467	0.00234289	0.00851

595723.57	4128393.55	0.00692969	0.00225494	0.00192708	0.00693
595798.86	4128393.55	0.00569063	0.00186982	0.00159991	0.00569
595497.7	4128459.9	0.01231091	0.00394104	0.00336099	0.01231
595572.99	4128459.9	0.00962614	0.00311231	0.00265762	0.00963
595648.28	4128459.9	0.00762665	0.00249251	0.00213128	0.00763
595723.57	4128459.9	0.00612697	0.00202527	0.00173422	0.00613
595798.86	4128459.9	0.00499189	0.00166959	0.00143173	0.00499
595497.7	4128526.25	0.01074784	0.00349499	0.00298657	0.01075
595572.99	4128526.25	0.00827788	0.00272678	0.0023339	0.00828
595648.28	4128526.25	0.00651	0.00217321	0.00186317	0.00651
595723.57	4128526.25	0.00522096	0.00176654	0.001517	0.00522
595798.86	4128526.25	0.00426352	0.00146189	0.0012574	0.00426
595497.7	4128592.6	0.00880177	0.00293781	0.00251863	0.00880
595572.99	4128592.6	0.00679789	0.00230454	0.00197947	0.00680
595648.28	4128592.6	0.00538685	0.00185436	0.00159572	0.00539
595723.57	4128592.6	0.00436509	0.00152475	0.00131434	0.00437
595798.86	4128592.6	0.00360668	0.00127721	0.00110271	0.00361
595497.7	4128658.95	0.00688373	0.00239264	0.00206128	0.00688
595572.99	4128658.95	0.00546147	0.00192849	0.00166447	0.00546
595648.28	4128658.95	0.00441601	0.00158351	0.00136913	0.00442
595723.57	4128658.95	0.00364753	0.00132634	0.00114858	0.00365
595798.86	4128658.95	0.00306751	0.00112934	0.00097933	0.00307
595497.7	4128725.3	0.00531644	0.00195827	0.00169825	0.00532
595572.99	4128725.3	0.00436573	0.00162894	0.00141465	0.00437
595648.28	4128725.3	0.00363061	0.00137103	0.00119221	0.00363
595723.57	4128725.3	0.00307007	0.00117203	0.00102034	0.00307
595798.86	4128725.3	0.00263341	0.00101463	0.00088417	0.00263
595312.78	4128113.49	0.0110178	0.00355624	0.00303604	0.01102
595353.37	4128113.49	0.01074349	0.00345656	0.00294972	0.01074
595393.96	4128113.49	0.01041074	0.00334194	0.00285108	0.01041
595434.55	4128113.49	0.01003519	0.00321614	0.00274318	0.01004
595312.78	4128167.08	0.01298266	0.00414867	0.00353725	0.01298
595353.37	4128167.08	0.01249386	0.00398519	0.00339705	0.01249
595393.96	4128167.08	0.01195623	0.00380939	0.00324673	0.01196
595434.55	4128167.08	0.01138798	0.00362619	0.00309035	0.01139
595312.78	4128220.67	0.01521349	0.00482112	0.00410613	0.01521
595353.37	4128220.67	0.0144252	0.00456872	0.00389088	0.01443
595393.96	4128220.67	0.01360795	0.00430942	0.00367	0.01361
595434.55	4128220.67	0.01278543	0.00405038	0.00344955	0.01279
595312.78	4128274.26	0.01763536	0.00555396	0.00472644	0.01764
595353.37	4128274.26	0.01643503	0.00517804	0.00440677	0.01644
595393.96	4128274.26	0.01525198	0.00480934	0.00409344	0.01525
595434.55	4128274.26	0.01410555	0.00445313	0.00379085	0.01411
593786.29	4129268.12	0.00420039	0.00134326	0.0011454	0.00420
593838.34	4129268.12	0.00454536	0.0014505	0.00123651	0.00455
593786.29	4129289.04	0.00415292	0.00132794	0.00113232	0.00415
593838.34	4129289.04	0.0044803	0.00142977	0.00121884	0.00448
593786.29	4129309.96	0.00410046	0.00131117	0.00111803	0.00410
593838.34	4129309.96	0.00440982	0.00140747	0.00119986	0.00441
595225.34	4128413.877	0.03000001	0.00934935	0.00794531	0.03000
595225.34	4128445.983	0.03171699	0.0098822	0.00839788	0.03172
595225.34	4128478.09	0.03283923	0.01023984	0.00870271	0.03284
595225.34	4128510.197	0.03316775	0.01036291	0.00880963	0.03317
595230.915	4128413.389	0.02947907	0.00918951	0.00780976	0.02948
595236.491	4128445.008	0.03049418	0.00950788	0.00808055	0.03049
595242.066	4128476.627	0.03076047	0.00960405	0.00816376	0.03076
595247.641	4128508.246	0.03014931	0.00943925	0.00802661	0.03015
595236.321	4128411.94	0.02893005	0.00902103	0.00766687	0.02893
595247.302	4128442.111	0.02928925	0.00913823	0.00776707	0.02929
595258.283	4128472.281	0.02885759	0.00902013	0.00766856	0.02886
595269.265	4128502.452	0.02759297	0.00865338	0.00735997	0.02759
595241.393	4128409.575	0.02837301	0.00884988	0.0075217	0.02837
595257.447	4128437.38	0.02815148	0.00878844	0.00747035	0.02815
595273.5	4128465.186	0.02718797	0.00850581	0.00723216	0.02719
595289.553	4128492.991	0.02551643	0.00801142	0.00681501	0.02552
595245.978	4128406.365	0.02782728	0.00868208	0.00737936	0.02783
595266.616	4128430.96	0.0271108	0.0084678	0.00719828	0.02711
595287.253	4128455.556	0.02576691	0.00806635	0.00685908	0.02577

595307.891	4128480.151	0.02387723	0.00750151	0.00638178	0.02388
595249.935	4128402.408	0.02730764	0.00852221	0.00724373	0.02731
595274.53	4128423.046	0.02618194	0.008181	0.00695486	0.02618
595299.126	4128443.683	0.02458176	0.00769837	0.00654651	0.02458
595323.721	4128464.321	0.02260609	0.00710342	0.00604326	0.02261
595253.145	4128397.823	0.02682528	0.00837374	0.00711777	0.02683
595280.95	4128413.877	0.02536838	0.00792935	0.00674121	0.02537
595308.756	4128429.93	0.02360459	0.00739382	0.0062877	0.02360
595336.561	4128445.983	0.02162545	0.00679414	0.00578001	0.02163
595255.51	4128392.751	0.02638847	0.00823928	0.00700369	0.02639
595285.681	4128403.732	0.02466594	0.00771176	0.00655644	0.02467
595315.851	4128414.713	0.02280198	0.00714296	0.00607443	0.02280
595346.022	4128425.695	0.02086261	0.0065521	0.00557383	0.02086
595256.959	4128387.345	0.02600215	0.00812032	0.00690275	0.02600
595288.578	4128392.921	0.02406862	0.00752669	0.00639929	0.02407
595320.197	4128398.496	0.02214141	0.00693624	0.00589866	0.02214
595351.816	4128404.071	0.02025612	0.00635916	0.00540942	0.02026
595257.447	4128381.77	0.02567174	0.00801874	0.00681659	0.02567
595289.553	4128381.77	0.02356798	0.00737174	0.00626773	0.02357
595321.66	4128381.77	0.02159404	0.00676502	0.00575308	0.02159
595353.767	4128381.77	0.01975665	0.00620063	0.00527437	0.01976
595256.959	4128376.195	0.02539884	0.00793492	0.0067455	0.02540
595288.578	4128370.619	0.02315739	0.007245	0.00616016	0.02316
595320.197	4128365.044	0.02114194	0.00662436	0.00563357	0.02114
595351.816	4128359.469	0.01933072	0.00606649	0.00516022	0.01933
595255.51	4128370.789	0.02518734	0.00787025	0.00669068	0.02519
595285.681	4128359.808	0.02283204	0.00714501	0.00607534	0.02283
595315.851	4128348.827	0.02077146	0.00651005	0.00553655	0.02077
595346.022	4128337.845	0.01896059	0.00595157	0.00506626	0.01896
595253.145	4128365.717	0.0250386	0.00782506	0.00665241	0.02504
595280.95	4128349.663	0.02259089	0.00707159	0.00601314	0.02259
595308.756	4128333.61	0.02047952	0.00642117	0.00546126	0.02048
595336.561	4128317.557	0.01864413	0.00585526	0.00498102	0.01864
595249.935	4128361.132	0.02495493	0.00780009	0.00663131	0.02495
595274.53	4128340.494	0.02243808	0.00702612	0.00597474	0.02244
595299.126	4128319.857	0.02026886	0.0063586	0.00540844	0.02027
595323.721	4128299.219	0.01838857	0.00577977	0.00491734	0.01839
595245.978	4128357.175	0.02493855	0.00779597	0.00662792	0.02494
595266.616	4128332.58	0.02237703	0.00700949	0.00596089	0.02238
595287.253	4128307.985	0.02015064	0.00632582	0.00538104	0.02015
595307.891	4128283.389	0.01820981	0.0057298	0.00487552	0.01821
595241.393	4128353.965	0.02499168	0.00781336	0.00664279	0.02499
595257.447	4128326.16	0.02241499	0.00702383	0.00597336	0.02241
595273.5	4128298.354	0.02013658	0.00632595	0.00538165	0.02014
595289.553	4128270.549	0.01812842	0.00571134	0.00486061	0.01813
595236.321	4128351.6	0.0251162	0.00785276	0.00667634	0.02512
595247.302	4128321.429	0.02256112	0.00707181	0.0060144	0.02256
595258.283	4128291.259	0.02024422	0.00636433	0.00541482	0.02024
595269.265	4128261.088	0.018168	0.00573141	0.00487854	0.01817
595230.915	4128350.151	0.02531381	0.00791463	0.00672895	0.02531
595236.491	4128318.532	0.02282492	0.00715597	0.00608615	0.02282
595242.066	4128286.913	0.02049353	0.00644689	0.00548553	0.02049
595247.641	4128255.294	0.01835759	0.00579883	0.00493678	0.01836
595225.34	4128349.663	0.02558476	0.00799895	0.0068006	0.02558
595225.34	4128317.557	0.02321698	0.00727945	0.00619123	0.02322
595225.34	4128285.45	0.02090767	0.0065804	0.00559949	0.02091
595225.34	4128253.343	0.01872746	0.00592229	0.00504263	0.01873
595219.765	4128350.151	0.02592802	0.00810536	0.00689097	0.02593
595214.189	4128318.532	0.02375024	0.0074463	0.0063331	0.02375
595208.614	4128286.913	0.02151098	0.00677184	0.00576257	0.02151
595203.039	4128255.294	0.01931353	0.0061119	0.00520454	0.01931
595214.359	4128351.6	0.02633975	0.00823241	0.00699879	0.02634
595203.378	4128321.429	0.02443181	0.00765822	0.00651314	0.02443
595192.397	4128291.259	0.02233062	0.00702908	0.00598138	0.02233
595181.415	4128261.088	0.020163	0.00638219	0.00543487	0.02016
595209.287	4128353.965	0.02681573	0.00837905	0.00712322	0.02682
595193.233	4128326.16	0.02526681	0.00791649	0.0067324	0.02527
595177.18	4128298.354	0.02339315	0.00735957	0.00626216	0.02339

595161.127	4128270.549	0.02132927	0.00674851	0.0057465	0.02133
595204.702	4128357.175	0.02734593	0.00854202	0.00726146	0.02735
595184.064	4128332.58	0.02625425	0.00822056	0.0069904	0.02625
595163.427	4128307.985	0.02472468	0.00777108	0.00661149	0.02472
595142.789	4128283.389	0.02287188	0.00722807	0.00615391	0.02287
595200.745	4128361.132	0.02791733	0.00871729	0.00741009	0.02792
595176.15	4128340.494	0.02738408	0.0085672	0.00728436	0.02738
595151.555	4128319.857	0.0263398	0.00826738	0.00703246	0.02634
595126.959	4128299.219	0.02485243	0.00783862	0.00667202	0.02485
595197.535	4128365.717	0.02851273	0.00889956	0.00756462	0.02851
595169.73	4128349.663	0.02863284	0.00894909	0.00760808	0.02863
595141.924	4128333.61	0.02823489	0.00884695	0.00752374	0.02823
595114.119	4128317.557	0.02732046	0.00859423	0.00731262	0.02732
595195.17	4128370.789	0.02911176	0.00908282	0.00771997	0.02911
595164.999	4128359.808	0.02996036	0.00935403	0.00795121	0.02996
595134.829	4128348.827	0.03037521	0.0094992	0.00807638	0.03038
595104.658	4128337.845	0.03028745	0.00949768	0.00807801	0.03029
595193.721	4128376.195	0.02968803	0.0092587	0.00786902	0.02969
595162.102	4128370.619	0.03130756	0.00976407	0.00829857	0.03131
595130.483	4128365.044	0.03267523	0.01019786	0.00866806	0.03268
595098.864	4128359.469	0.03368728	0.01052885	0.00895112	0.03369
595193.233	4128381.77	0.03021577	0.00941955	0.0080053	0.03022
595161.127	4128381.77	0.03259748	0.01015604	0.00863054	0.03260
595129.02	4128381.77	0.03499551	0.01090122	0.00926357	0.03500
595096.913	4128381.77	0.03732999	0.01163086	0.00988388	0.03733
595193.721	4128387.345	0.03066816	0.00955725	0.00812195	0.03067
595162.102	4128392.921	0.03374055	0.01050296	0.00892431	0.03374
595130.483	4128398.496	0.03713969	0.0115504	0.00981311	0.03714
595098.864	4128404.071	0.04087277	0.01270128	0.01078974	0.04087
595195.17	4128392.751	0.03102048	0.00966433	0.00821264	0.03102
595164.999	4128403.732	0.03464529	0.0107773	0.00915659	0.03465
595134.829	4128414.713	0.03887854	0.01207638	0.01025829	0.03888
595104.658	4128425.695	0.04384374	0.0135986	0.01154908	0.04384
595197.535	4128397.823	0.03125301	0.00973482	0.00827233	0.03125
595169.73	4128413.877	0.03523379	0.0109557	0.00930763	0.03523
595141.924	4128429.93	0.03999939	0.01241572	0.01054555	0.04000
595114.119	4128445.983	0.04575926	0.0141782	0.01203967	0.04576
595200.745	4128402.408	0.03135296	0.00976487	0.00829774	0.03135
595176.15	4128423.046	0.03545257	0.01102193	0.00936369	0.03545
595151.555	4128443.683	0.04035629	0.01252444	0.01063766	0.04036
595126.959	4128464.321	0.04627247	0.01433542	0.01217297	0.04627
595204.702	4128406.365	0.03131593	0.00975312	0.00828772	0.03132
595184.064	4128430.96	0.0352868	0.01097136	0.00932085	0.03529
595163.427	4128455.556	0.03990811	0.01238945	0.01052347	0.03991
595142.789	4128480.151	0.04529904	0.01404422	0.01192688	0.04530
595209.287	4128409.575	0.03114644	0.00970094	0.00824345	0.03115
595193.233	4128437.38	0.03476053	0.01081097	0.00918495	0.03476
595177.18	4128465.186	0.03873576	0.01203423	0.01022274	0.03874
595161.127	4128492.991	0.0430508	0.01336629	0.01135333	0.04305
595214.359	4128411.94	0.03085707	0.00961212	0.00816813	0.03086
595203.378	4128442.111	0.03393531	0.01055948	0.00897187	0.03394
595192.397	4128472.281	0.03701931	0.01151309	0.00978142	0.03702
595181.415	4128502.452	0.03996061	0.01243025	0.0105609	0.03996
595219.765	4128413.389	0.03046786	0.00949283	0.00806698	0.03047
595214.189	4128445.008	0.03289141	0.01024101	0.008702	0.03289
595208.614	4128476.627	0.03498312	0.01089369	0.00925675	0.03498
595203.039	4128508.246	0.03652697	0.01138682	0.00967719	0.03653
594645.59	4128502.87	0.01844932	0.00835227	0.00739206	0.01845
594644.51	4128523.39	0.02722218	0.01092844	0.00956351	0.02722
594640.67	4128547.67	0.04166158	0.01503117	0.01300523	0.04166
594778.05	4128503.58	0.16474287	0.05144565	0.04373159	0.16474
594789.55	4128515.08	0.19421118	0.06003919	0.05096791	0.19421
594800.41	4128527.22	0.22237253	0.06830804	0.05793764	0.22237
594813.83	4128543.19	0.25515054	0.07798833	0.06610376	0.25515
594859.83	4128584.08	0.28608598	0.08729855	0.07397846	0.28609
594870.05	4128594.31	0.28840895	0.08812692	0.07469423	0.28841
594880.91	4128605.81	0.28886661	0.08841079	0.07495142	0.28887
594891.78	4128616.67	0.28434173	0.08715198	0.07389876	0.28434

594611.28	4128774.49	0.11335246	0.03456875	0.02929185	0.11335
594594.03	4128775.13	0.09493498	0.02901901	0.02459701	0.09493
594611.92	4128737.43	0.11173735	0.03426711	0.0290583	0.11174
594614.48	4128716.98	0.11009304	0.03393466	0.02879611	0.11009
594595.95	4128717.62	0.08930716	0.02758846	0.02341783	0.08931
594590.84	4128739.35	0.08916739	0.02741882	0.02325942	0.08917
594572.95	4128737.43	0.07430292	0.02291326	0.01944481	0.07430
594558.25	4128731.68	0.06379407	0.01973525	0.01675502	0.06379
594650.26	4128653.09	0.14372416	0.04591982	0.03915137	0.14372
594556.33	4128743.18	0.06447622	0.01990435	0.01689381	0.06448
594156.81	4128109.88	0.00198286	0.00297664	0.00279615	0.00298
594173.28	4128104.16	0.00222789	0.00355545	0.00334481	0.00356
594204.67	4128130.51	0.00173736	0.0022855	0.00213935	0.00229
594294.16	4128082.57	0.0041655	0.00811156	0.0076633	0.00811
594402.07	4128182.58	0.00154307	0.00152218	0.00141125	0.00154
594560.99	4128457.35	0.00650866	0.00285054	0.00251536	0.00651
594484.6	4128319.73	0.00231721	0.00133161	0.00120051	0.00232
594496.18	4128330.79	0.00247017	0.00139412	0.00125531	0.00247
594785.03	4128768.48	0.45651118	0.13797715	0.11677141	0.45651
594809.73	4128769.39	0.3362865	0.10225144	0.08660762	0.33629
594853.71	4128775.36	0.19070635	0.05954578	0.05061627	0.19071
594860.97	4128775.36	0.17385156	0.05478542	0.04662643	0.17385
594896.14	4128777.48	0.09692802	0.03440187	0.02970956	0.09693
595133.8	4128685.43	0.03432623	0.01112376	0.0095014	0.03433
594914.19	4128786.67	0.06776291	0.02738491	0.02398053	0.06776
594874.82	4128777.83	0.13437245	0.04357138	0.03721956	0.13437
594152.05	4128129.79	0.0016256	0.00206645	0.00193238	0.00207
594202.81	4128148.84	0.00157089	0.00180469	0.00168228	0.00180
594241.18	4128131.38	0.00177698	0.00235568	0.00220552	0.00236
594332.26	4128103.12	0.00254836	0.00432652	0.00407593	0.00433
594456.05	4128365.74	0.00288917	0.00140863	0.00125452	0.00289
594570.17	4128468.28	0.00741084	0.00319275	0.00281307	0.00741
594462.2	4128339.56	0.00253099	0.00133346	0.00119476	0.00253
594506.43	4128340.91	0.00263286	0.00146394	0.00131168	0.00263
594790.08	4128779.43	0.33284957	0.10089572	0.08542333	0.33285
594830.62	4128770.02	0.2709202	0.08304744	0.07041946	0.27092
594782.57	4128786.09	0.29102501	0.08826149	0.07473167	0.29103
594852.94	4128785.86	0.15023824	0.04710684	0.04006486	0.15024
594873.88	4128804.73	0.07514588	0.02472811	0.02116251	0.07515
595133.34	4128701.89	0.03072522	0.01009313	0.0086359	0.03073
595019.02	4128685.83	0.09007887	0.02837838	0.0241512	0.09008
595057.48	4128670.69	0.0681189	0.02148224	0.01828477	0.06812
595058.31	4128653.72	0.07265661	0.02276747	0.01936242	0.07266
595056.86	4128637.66	0.07699902	0.02401466	0.02041033	0.07700
594151.73	4128146.21	0.00149312	0.00167952	0.00156449	0.00168
594240.91	4128149.07	0.00161588	0.00188342	0.0017565	0.00188
594174.19	4128094.46	0.00267792	0.00462987	0.00436344	0.00463
594310.35	4128118.59	0.00204623	0.00306151	0.00287563	0.00306
594494.91	4128412.28	0.00400968	0.00180668	0.00159831	0.00401
594580.96	4128478.67	0.0085684	0.00364148	0.00320436	0.00857
594471.65	4128352.38	0.00272672	0.00139898	0.00125095	0.00273
594515.61	4128353.46	0.00285597	0.00155226	0.00139398	0.00286
594929.89	4128040.25	0.00521028	0.00234684	0.00207611	0.00521
594897.89	4128019.95	0.00428376	0.00219271	0.00196034	0.00428
594729.44	4128313.92	0.00990106	0.00790432	0.00726179	0.00990
594730.04	4128324.02	0.01070584	0.00812182	0.00744286	0.01071
594965.04	4128727.99	0.12576796	0.04046499	0.03453167	0.12577
595039.74	4128656.87	0.08401596	0.02626789	0.02233268	0.08402
595011.68	4128715.14	0.07874455	0.02530557	0.02159177	0.07874
595023.07	4128705.51	0.07571079	0.02419116	0.02062563	0.07571
595035.37	4128696.33	0.07166901	0.02281351	0.01944152	0.07167
595048.6	4128684.86	0.06819199	0.02161894	0.01841381	0.06819
594156.81	4128166.44	0.00142416	0.00140531	0.00130291	0.00142
594324.73	4128150.25	0.0016569	0.00196927	0.00183771	0.00197
594192.29	4128092.14	0.00290974	0.00516497	0.00487048	0.00516
594328.45	4128132.15	0.00182165	0.00247446	0.00231832	0.00247
594484.65	4128398.92	0.00362613	0.00167015	0.00148036	0.00363
594590.68	4128491.48	0.01033253	0.00428201	0.00375896	0.01033



594481.09	4128364.92	0.00294836	0.00147687	0.00131813	0.00295
594526.67	4128365.19	0.00310156	0.00165894	0.00148804	0.00310
594851.13	4127984.38	0.00317764	0.00201083	0.00182417	0.00318
594848.47	4128001.92	0.00339066	0.00215699	0.0019574	0.00339
594712.46	4128323.73	0.01057579	0.01079961	0.01002567	0.01080
594780.3	4128311.57	0.01352118	0.00631739	0.00560638	0.01352
595091.67	4128681.59	0.04823821	0.01542176	0.01314971	0.04824
594985.15	4128715.08	0.10803119	0.0344443	0.02935941	0.10803
595001.12	4128701.32	0.09921344	0.03141299	0.02675132	0.09921
594975.35	4128737.57	0.09581975	0.03144945	0.02690593	0.09582
594894.98	4128801.8	0.06165169	0.02169674	0.01871903	0.06165
594918.29	4128804.09	0.04717816	0.01923286	0.01685645	0.04718
594935.19	4128811.44	0.03809404	0.01818528	0.01616771	0.03809
594292.66	4128148.25	0.00166058	0.00197931	0.00184725	0.00198
594206.26	4128109.2	0.00216263	0.00336754	0.00316618	0.00337
594372.26	4128145.71	0.00167312	0.00208513	0.00194869	0.00209
594476.02	4128388.8	0.00336953	0.00157783	0.00140051	0.00337
594599.04	4128501.06	0.01221759	0.00496655	0.00435167	0.01222
594492.7	4128375.31	0.00317252	0.00156648	0.00139652	0.00317
594534.77	4128374.77	0.00332407	0.00175335	0.0015711	0.00332
594931.92	4128018.42	0.0047553	0.00219437	0.00194533	0.00476
594897.21	4128000.82	0.00393811	0.0020679	0.00185234	0.00394
594753.99	4128314.5	0.01129801	0.00659523	0.00595217	0.01130
594780.53	4128299.81	0.01228322	0.00592718	0.00527427	0.01228
595091.67	4128697.59	0.04323007	0.01398259	0.0119404	0.04323
595033.78	4128674.19	0.08279137	0.02602168	0.02213875	0.08279
595092.89	4128798.07	0.01664871	0.0066415	0.0058083	0.01665
595109.32	4128798.07	0.01532356	0.0060841	0.00531829	0.01532
595123.92	4128797.61	0.01433277	0.0056643	0.00494898	0.01433
594594.57	4128547.24	0.02277748	0.00806309	0.00696122	0.02278
594610.2	4128548.32	0.02729051	0.00968059	0.00835965	0.02729
594624.75	4128548.86	0.03312346	0.01179972	0.01019459	0.03312
594621.75	4128590.45	0.05615183	0.01858264	0.01591439	0.05615
594105.97	4128171.34	0.00132074	0.00118306	0.00109257	0.00132
594239.91	4128105.3	0.00235947	0.00383214	0.00360658	0.00383
594369.41	4128168.8	0.00157242	0.00167025	0.00155278	0.00167
594584.77	4128432.65	0.00561895	0.0027729	0.00247193	0.00562
594576.92	4128422.67	0.00505519	0.00252304	0.00225122	0.00506
594616.02	4128467.73	0.00889837	0.0042474	0.00377614	0.00890
594556.63	4128400.54	0.00408647	0.00208334	0.00186198	0.00409
594898.07	4127985.5	0.00370208	0.00196708	0.00176358	0.00370
594929.03	4127999.04	0.00432382	0.00206051	0.00183164	0.00432
594766.84	4128316.04	0.01254687	0.00644663	0.00576512	0.01255
594779.15	4128327.06	0.01512723	0.006845	0.00605782	0.01513
595090.75	4128714.05	0.03817339	0.01254297	0.01073238	0.03817
595008.09	4128772.32	0.03884357	0.01435446	0.01245292	0.03884
595051.13	4128776.45	0.02662222	0.00990464	0.0085989	0.02662
595018.02	4128785.17	0.0300371	0.01176685	0.01027163	0.03004
595050.97	4128790.22	0.02276051	0.00894915	0.00781493	0.02276
594549.75	4128547.91	0.01595842	0.00560244	0.00483217	0.01596
594565.38	4128547.1	0.01774414	0.0062477	0.00539056	0.01774
594642.31	4128571.41	0.06269035	0.02142262	0.01841853	0.06269
594649.57	4128583.56	0.08410784	0.02834423	0.02432859	0.08411
594156.81	4128181.41	0.00140142	0.00126217	0.00116589	0.00140
594242.13	4128084.89	0.00373103	0.00707846	0.00668391	0.00708
594466.33	4128377.73	0.00312192	0.00148958	0.00132426	0.00312
594595.83	4128445.2	0.00650846	0.00317557	0.00282832	0.00651
594606.6	4128457.61	0.00764107	0.00368141	0.00327547	0.00764
594567.98	4128410.66	0.0045012	0.00228149	0.00203816	0.00450
594623.82	4128478.93	0.01065299	0.00498739	0.00442683	0.01065
594850.69	4127967.48	0.00295386	0.00187506	0.00170133	0.00295
594713.46	4128311.86	0.00985956	0.01036206	0.00962962	0.01036
594766.84	4128324.25	0.01339641	0.00671587	0.00599444	0.01340
594779.15	4128339.62	0.01673013	0.00731507	0.00645396	0.01673
594863.24	4128961.31	0.01564642	0.00539388	0.00464236	0.01565
595029.65	4128774.56	0.03174282	0.01177049	0.01021507	0.03174
595091.97	4128774.56	0.02099053	0.00774668	0.0067195	0.02099
595109.78	4128774.56	0.01893322	0.00699289	0.00606617	0.01893

595050.97	4128765.38	0.03042685	0.01091081	0.00943369	0.03043
594535.7	4128548.04	0.01453888	0.00509734	0.00439585	0.01454
594580.5	4128547.5	0.02012752	0.00709887	0.00612616	0.02013
594639.61	4128583.69	0.06966953	0.02335007	0.02002856	0.06967
594649.3	4128595.3	0.09464277	0.03146486	0.02696222	0.09464
594112.36	4128157.82	0.00135451	0.00133052	0.00123335	0.00135
594316.11	4128129.88	0.00185019	0.00254506	0.00238529	0.00255
594604.22	4128516.57	0.01583283	0.00614114	0.00535527	0.01583
594544.02	4128470.15	0.006956	0.00288089	0.00252883	0.00696
594516.47	4128436.69	0.0049447	0.00215178	0.00189766	0.00494
594531.56	4128422.12	0.00457682	0.00210409	0.00186469	0.00458
594502.39	4128386.5	0.00343573	0.00166647	0.00148352	0.00344
594711.93	4128340.94	0.01186688	0.01126999	0.01043311	0.01187
594724.7	4128340.71	0.01207996	0.00918403	0.00841719	0.01208
594738.16	4128340.94	0.01297018	0.00812174	0.00736305	0.01297
594764.92	4128298.95	0.01086815	0.00596765	0.00536306	0.01087
594855.84	4128802.72	0.09681722	0.03081739	0.02626225	0.09682
594785.53	4128831.63	0.09458377	0.02919906	0.02478273	0.09458
594796.46	4128831.63	0.08822098	0.0273467	0.02322233	0.08822
595049.6	4128808.45	0.01904019	0.00819954	0.00722419	0.01904
594828.2	4128794.7	0.15446615	0.04774091	0.04052647	0.15447
594891.14	4128831.45	0.04063429	0.01420258	0.01224362	0.04063
594905.45	4128831.19	0.03604426	0.01327006	0.01150741	0.03604
594918	4128830.69	0.03292624	0.01291485	0.01127521	0.03293
594291.98	4128131.38	0.00181926	0.00245162	0.00229641	0.00245
594574.27	4128502.13	0.01083952	0.00426248	0.00372223	0.01084
594554.54	4128483.51	0.00816795	0.00330834	0.00289771	0.00817
594525.37	4128448.16	0.005508	0.00235623	0.00207467	0.00551
594541.54	4128435.48	0.00516687	0.00232839	0.00205987	0.00517
594512.1	4128397.16	0.00372526	0.00177899	0.00158166	0.00373
594788.47	4128796.69	0.19747752	0.06021664	0.05102374	0.19748
594812.03	4128788.66	0.2075122	0.06349479	0.05382664	0.20751
594808.73	4128806.79	0.13322161	0.04105589	0.03483812	0.13322
594855.23	4128813.67	0.07740143	0.0248099	0.02116183	0.07740
594859.28	4128793.94	0.11410292	0.03625919	0.03089301	0.11410
595427.44	4129452.45	0.00182492	0.00193899	0.00180264	0.00184
595443.76	4129477.89	0.00172122	0.00180602	0.00167827	0.00181
595096.58	4128893.01	0.00959316	0.00635662	0.00578247	0.00959
594931.43	4128831.15	0.03006006	0.01292214	0.01138315	0.03006
594942.72	4128831.15	0.02845754	0.01360532	0.01209737	0.02846
594952	4128830.89	0.0277235	0.01490438	0.01337399	0.02772
594296.11	4128099.86	0.0026744	0.00460107	0.00433583	0.00460
594583.17	4128516.02	0.01354103	0.00516226	0.00449349	0.01354
594565.07	4128491.74	0.00926227	0.00371255	0.00324836	0.00926
594535.36	4128456.66	0.00604549	0.0025628	0.00225463	0.00605
594551.25	4128443.17	0.00561821	0.00251812	0.00222666	0.00562
594634.61	4128491.2	0.01376574	0.00634182	0.00562129	0.01377
594807.75	4128780.8	0.26580103	0.08098289	0.06861193	0.26580
594789.31	4128805.81	0.15327067	0.04692632	0.03978427	0.15327
594831.22	4128783.32	0.20059613	0.06176093	0.0524008	0.20060
594832.05	4128808.57	0.10735052	0.03352062	0.02849405	0.10735
594810.94	4128797.36	0.16595027	0.05095457	0.04321625	0.16595
595414.09	4129463.99	0.00168454	0.00162683	0.00150702	0.00168
595497.65	4129524.43	0.00161671	0.00178964	0.00166618	0.00179
595481.49	4129523.42	0.00155295	0.00161259	0.00149795	0.00161
595080.91	4128875.09	0.01089884	0.00671704	0.00608351	0.01090
595084.17	4128856.08	0.01154854	0.00617883	0.00554244	0.01155
595139.79	4128859.08	0.00896709	0.00443606	0.00395536	0.00897
595164.13	4128891	0.0072018	0.00396354	0.00356258	0.00720
595207.95	4128939.61	0.00544003	0.00343647	0.00311714	0.00544
595220.47	4129289.9	0.00239287	0.00166112	0.0015151	0.00239
595259.38	4129289.47	0.0024514	0.0019798	0.00181987	0.00245
595294.68	4129290.12	0.00259861	0.00249532	0.00231104	0.00260
594902.61	4129107.8	0.00635872	0.00239576	0.00208277	0.00636
594827.43	4129184.31	0.00631927	0.00222502	0.00191977	0.00632
594852.82	4129183.98	0.0057859	0.00208464	0.00180339	0.00579
595333.6	4129288.08	0.0031504	0.00395776	0.00369968	0.00396
595380.35	4129325.01	0.00337254	0.00485791	0.00455854	0.00486

595354.7	4129297.95	0.00346125	0.00482644	0.00452512	0.00483
595368.91	4129310.75	0.00349398	0.00502477	0.00471492	0.00502
595107.61	4128896.67	0.00898988	0.00585016	0.00531609	0.00899
595293.36	4129039.9	0.00368054	0.0029816	0.00274114	0.00368
595128.46	4128901.73	0.00805124	0.00505326	0.00458187	0.00805
595155	4128868.94	0.00809487	0.00410227	0.0036647	0.00809
595175.78	4128905.49	0.00660011	0.00380183	0.00342806	0.00660
595238.67	4129290.18	0.00240705	0.00178339	0.00163233	0.00241
595275	4129290.4	0.00249457	0.00215883	0.00199072	0.00249
595312.87	4129293.82	0.00270279	0.00284973	0.00264861	0.00285
594951.95	4129201.23	0.00391661	0.00160927	0.00141152	0.00392
594951.45	4129184.34	0.00414331	0.00169785	0.00148882	0.00414
594951.87	4129167.45	0.00438305	0.00179354	0.00157251	0.00438
595428.66	4129378.62	0.00312336	0.00468434	0.0044002	0.00468
595310.9	4129057.13	0.00345661	0.0028882	0.0026591	0.00346
595331.92	4129156.05	0.00381815	0.00480709	0.00449392	0.00481
595321.54	4129074.33	0.00333784	0.00292055	0.00269443	0.00334
595113.6	4128851.38	0.0103695	0.00512016	0.00456464	0.01037
595112.85	4128887.74	0.00896819	0.00540818	0.0048913	0.00897
595120.78	4128911.11	0.00819639	0.00561025	0.00511304	0.00820
595221.89	4128959.1	0.0050155	0.0033569	0.00305548	0.00502
595233.53	4128971.89	0.00473659	0.00327121	0.00298279	0.00474
595119.78	4129332.57	0.00218926	0.00115382	0.00103383	0.00219
595138.93	4129334.68	0.0021574	0.00117429	0.00105466	0.00216
595155.7	4129334.42	0.00214582	0.00120521	0.00108484	0.00215
595183.3	4129288.98	0.0023941	0.00148548	0.00134594	0.00239
595272.73	4129366.65	0.00198117	0.00142593	0.00130315	0.00198
595214.73	4129331.51	0.00214697	0.0013819	0.00125492	0.00215
595287.25	4129332.83	0.00219603	0.00177893	0.00163546	0.00220
595311.95	4129339.18	0.00221533	0.00195924	0.00180839	0.00222
595331.37	4129347.63	0.00222524	0.00210408	0.00194749	0.00223
595074.4	4129323.35	0.00230737	0.00113534	0.00101187	0.00231
595285.77	4129354.5	0.00205821	0.00157864	0.00144747	0.00206
595418.42	4129365.33	0.00322943	0.00485154	0.00455745	0.00485
595279.07	4129085.35	0.00411978	0.00438942	0.00408115	0.00439
595372.78	4129189.43	0.00332181	0.00416593	0.00389407	0.00417
595343.48	4129168.35	0.00372256	0.00475605	0.00444814	0.00476
595230.18	4129029.41	0.00479185	0.00449911	0.0041631	0.00479
595263.39	4129007.48	0.00413674	0.00312018	0.00285851	0.00414
595279.79	4129026.86	0.00387081	0.00305928	0.00280923	0.00387
595147.72	4128938.09	0.00696028	0.00514804	0.00471155	0.00696
595137.3	4128924.75	0.00741576	0.00522589	0.00477045	0.00742
595112.65	4129285.77	0.00248312	0.00131449	0.00117818	0.00248
595074.99	4129304.8	0.00242137	0.00119603	0.00106629	0.00242
595127.17	4129285.77	0.00245872	0.0013395	0.00120312	0.00246
595175.91	4129334.39	0.00213679	0.00125058	0.00112884	0.00214
595255.03	4129366.62	0.00197384	0.00135126	0.00123152	0.00197
595237.46	4129351.56	0.00204569	0.00136326	0.00124053	0.00205
595439.07	4129389.95	0.00310175	0.00470113	0.00441713	0.00470
595452.9	4129402.76	0.0031475	0.00488628	0.00459378	0.00489
595371.16	4129439.36	0.00170956	0.00149632	0.00138049	0.00171
595393.46	4129414.88	0.00195488	0.00201592	0.00187213	0.00202
595476.63	4129434.13	0.00282379	0.00430391	0.00404446	0.00430
595458.53	4129407.98	0.00314702	0.00492017	0.00462643	0.00492
595408.18	4129350.58	0.00343529	0.00523187	0.00491639	0.00523
595257.99	4129067.54	0.00444158	0.00465909	0.00432946	0.00466
595306.54	4129122.59	0.00392638	0.00458862	0.00427976	0.00459
595319.82	4129140.23	0.00386415	0.00470219	0.0043913	0.00470
595240.41	4129023.07	0.00452149	0.00393321	0.00362776	0.00452
595247.31	4128986.52	0.00444637	0.00317505	0.00290043	0.00445
595252.74	4128994.2	0.00433402	0.00316101	0.00289087	0.00433
595192.09	4128920.73	0.0059871	0.0035855	0.00324137	0.00599
595175.66	4128966.77	0.00601132	0.00479554	0.00440557	0.00601
595088.6	4129290.76	0.00249278	0.00126183	0.00112713	0.00249
595148.7	4129287.07	0.00242386	0.0013821	0.00124536	0.00242
595164.42	4129287.86	0.00240507	0.00142253	0.00128495	0.00241
595198.63	4129286.27	0.00241135	0.00156886	0.00142562	0.00241
595196.38	4129334.89	0.00213017	0.00130496	0.00118143	0.00213

595235.34	4129332.77	0.00214368	0.00145824	0.00132854	0.00214
595444.67	4129395.56	0.00311292	0.00475902	0.00447246	0.00476
595365.92	4129389.11	0.00203045	0.00200148	0.00185557	0.00203
595379.02	4129400.34	0.00199831	0.00201895	0.00187352	0.00202
595382.68	4129426.61	0.00182049	0.00172451	0.00159629	0.00182
595488.78	4129448.63	0.00279385	0.00429275	0.00403477	0.00429
595466.19	4129420.63	0.00290073	0.00442152	0.00415499	0.00442
595393.19	4129336.56	0.00343459	0.00510705	0.00479623	0.00511
595247.67	4129052.75	0.0045461	0.00455958	0.00422997	0.00456
595290.63	4129099.2	0.00400256	0.00439328	0.004089	0.00439
595327.57	4129081.99	0.00327645	0.00291598	0.00269219	0.00328
595203.86	4128999.19	0.00529962	0.00462111	0.00426268	0.00530
595219.16	4129017.83	0.00499663	0.00458327	0.00423692	0.00500
595229.71	4129010.52	0.00471324	0.00397672	0.0036629	0.00471
595160.4	4128953.08	0.00649214	0.00504058	0.00462456	0.00649
595191.01	4128985.43	0.00559996	0.00472525	0.00435237	0.00560
595341.75	4129361.55	0.00215677	0.00205623	0.00190383	0.00216
595319.56	4129372.12	0.00201016	0.00168734	0.00155382	0.00201
594823.12	4129350.69	0.00388671	0.00140509	0.00121598	0.00389
594840.16	4129351.18	0.00371191	0.00135893	0.0011777	0.00371
594856.23	4129352.15	0.0035312	0.00131086	0.00113777	0.00353
594950.83	4129354.09	0.00257691	0.00107298	0.00094234	0.00258
594967.39	4129353.6	0.00246769	0.00105141	0.00092542	0.00247
594983.45	4129353.6	0.00237815	0.00103591	0.00091365	0.00238
595001.49	4129349.66	0.00232178	0.00103592	0.00091565	0.00232
595044.8	4129396.91	0.00195541	0.00092202	0.00081888	0.00196
595075.17	4129370.37	0.00204656	0.00100198	0.00089266	0.00205
595126.08	4129373.64	0.00198391	0.00104129	0.00093271	0.00198
595243.87	4129478.68	0.00152919	0.00091593	0.00082802	0.00153
595274.5	4129500.59	0.00145399	0.00090176	0.00081703	0.00145
595213.07	4129402.68	0.00181749	0.00108742	0.00098299	0.00182
595265.91	4129429.75	0.00169663	0.00111002	0.00100901	0.00170
595301.52	4129380.53	0.00193333	0.00149222	0.00136866	0.00193
594793.06	4129350.42	0.00413922	0.00147047	0.00127004	0.00414
594809.62	4129351.39	0.00400027	0.00143405	0.00123987	0.00400
594871.74	4129351.88	0.00336168	0.00126696	0.00110147	0.00336
594886.84	4129352.36	0.00319075	0.00122255	0.00106474	0.00319
594901.45	4129353.81	0.00302399	0.0011791	0.00102877	0.00302
594919.95	4129353.33	0.00284275	0.00113488	0.00099258	0.00284
594937.47	4129353.33	0.00268632	0.00109805	0.00096263	0.00269
595042.27	4129376.58	0.00206117	0.00096902	0.00086041	0.00206
595074.73	4129391.99	0.00193866	0.00094723	0.00084374	0.00194
595196.07	4129448.03	0.00164737	0.00093046	0.00083786	0.00165
595231.02	4129462.96	0.00158469	0.00093922	0.00084849	0.00158
595258.89	4129485.88	0.00150304	0.00091856	0.00083148	0.00150
595214.71	4129454.65	0.00161805	0.0009381	0.00084624	0.00162
595234.32	4129411.58	0.00177551	0.0011009	0.00099745	0.00178
595295.77	4129404.2	0.00180896	0.00132273	0.00120986	0.00181
594782.4	4129402.99	0.00366075	0.00130553	0.00112808	0.00366
594801.86	4129402.51	0.00356174	0.00128152	0.00110845	0.00356
594867.38	4129404.44	0.00302135	0.00113997	0.00099119	0.00302
594932.94	4129404.03	0.00243512	0.00099197	0.00086934	0.00244
594916.39	4129403.8	0.00257328	0.00102583	0.00089707	0.00257
594980.9	4129488.37	0.00178723	0.00077693	0.00068511	0.00179
595042.13	4129464.29	0.00167522	0.00078691	0.00069866	0.00168
595043.53	4129409.85	0.00189727	0.00089319	0.00079317	0.00190
595075.74	4129409.01	0.00185741	0.00090786	0.0008087	0.00186
595120.42	4129478.92	0.00155302	0.00079121	0.0007071	0.00155
595156.71	4129400.4	0.00184713	0.00100517	0.00090276	0.00185
595177.02	4129399.64	0.00184267	0.00103567	0.00093227	0.00184
595196.66	4129400.39	0.00183234	0.00106493	0.00096081	0.00183
595250.73	4129418.85	0.00174352	0.00111253	0.00100978	0.00174
595313	4129420.08	0.0017262	0.00129802	0.00118898	0.00173
594781.91	4129437.14	0.00336424	0.00120582	0.00104252	0.00336
594830.95	4129407.57	0.00331694	0.00121505	0.00105307	0.00332
594849.93	4129403.69	0.00318623	0.00118352	0.00102731	0.00319
594816.55	4129402.72	0.00346367	0.00125636	0.00108768	0.00346
594883.03	4129407.57	0.00285515	0.00109473	0.00095348	0.00286

594981.08	4129408.19	0.00210593	0.00091615	0.00080793	0.00211
595042.55	4129444.39	0.00175122	0.0008233	0.00073102	0.00175
595042.69	4129361.68	0.00213978	0.00100656	0.00089378	0.00214
595074.05	4129427.93	0.00177534	0.00086544	0.00077075	0.00178
595075.46	4129481.52	0.00156818	0.00076303	0.00067943	0.00157
595077.71	4129443.96	0.00170606	0.00083429	0.0007432	0.00171
595140.24	4129399.04	0.00185927	0.00098847	0.00088624	0.00186
595119.5	4129398.54	0.00187237	0.00096752	0.00086561	0.00187
595281.49	4129442.51	0.00164726	0.00110194	0.00100296	0.00165
595334.74	4129423.24	0.00172584	0.00137953	0.00126746	0.00173
594864.47	4129487.19	0.00256422	0.00097121	0.00084481	0.00256
594830.95	4129434.93	0.00311488	0.00114482	0.00099257	0.00311
594850.89	4129434.93	0.00296483	0.00110574	0.00096022	0.00296
594818	4129433.96	0.00320827	0.0011695	0.00101304	0.00321
594883.03	4129434.93	0.00269496	0.00103538	0.00090198	0.00269
594981.08	4129435.55	0.00198572	0.00086409	0.00076204	0.00199
595042.55	4129430.39	0.0018091	0.00085056	0.00075523	0.00181
595047.75	4129479.34	0.00161109	0.00076119	0.00067616	0.00161
594931.84	4129488.8	0.00206866	0.00084259	0.00073842	0.00207
594799.73	4129485.62	0.00294213	0.00106923	0.00092587	0.00294
595075.6	4129465.84	0.00162403	0.00079126	0.00070466	0.00162
595137.24	4129447.6	0.00166323	0.00086863	0.00077777	0.00166
595255.31	4129522.17	0.00139282	0.00082242	0.0007428	0.00139
595311.84	4129464.54	0.00156825	0.00109806	0.00100201	0.00157
595351.96	4129405.48	0.00185935	0.00164543	0.00151878	0.00186
594846.58	4129485.19	0.00269715	0.00100704	0.00087462	0.00270
594882.33	4129487.03	0.00243567	0.00093769	0.00081706	0.00244
594896.74	4129487.49	0.00232643	0.00090903	0.00079331	0.00233
594933.4	4129439.32	0.00226201	0.00092293	0.00080896	0.00226
594916.85	4129436.8	0.00240114	0.00095905	0.00083884	0.00240
594963.52	4129489.06	0.00187308	0.00079538	0.00069985	0.00187
594998.39	4129487.22	0.00171717	0.00076397	0.00067509	0.00172
594947.7	4129488.63	0.00196691	0.00081777	0.0007181	0.00197
594915.56	4129487.95	0.00218581	0.00087261	0.0007632	0.00219
594781	4129485.68	0.00300442	0.00108375	0.00093766	0.00300
595137.88	4129477.6	0.00155363	0.00080644	0.00072175	0.00155
595120.48	4129450.25	0.00165792	0.00084889	0.00075895	0.00166
595175.68	4129446.72	0.00165771	0.00090934	0.00081716	0.00166
595301.08	4129559.26	0.00127569	0.00078211	0.00070811	0.00128
594831.76	4129486.38	0.00278201	0.00102841	0.0008922	0.00278
595044.38	4129341.64	0.0022507	0.00106123	0.00094252	0.00225
594816.63	4129485.43	0.00286863	0.00105111	0.00091101	0.00287
595158.18	4129478.49	0.00154724	0.00082129	0.00073627	0.00155
595211.37	4129485.99	0.00151247	0.00085721	0.00077208	0.00151
595225.3	4129500.11	0.00146451	0.00084019	0.00075738	0.00146
595152.74	4129448.92	0.00165497	0.0008802	0.00078919	0.00165
595341.13	4129562.02	0.0012507	0.00081586	0.00074148	0.00125
595077.18	4129350.52	0.0021486	0.00105726	0.00094229	0.00215
595174.06	4129476.72	0.00155081	0.00083943	0.00075361	0.00155
595193.28	4129481.58	0.00153096	0.00084779	0.00076236	0.00153
595367.41	4129555.23	0.00126557	0.00087514	0.00079804	0.00127
595420.58	4129543.73	0.00132688	0.0010581	0.00097204	0.00133
595315.46	4129536.06	0.00133788	0.0008623	0.00078313	0.00134
595477.45	4129540.62	0.00142419	0.00135578	0.00125522	0.00142
595396.15	4129564.98	0.00124035	0.00089017	0.00081339	0.00124
595353.82	4129526.46	0.00135455	0.00095604	0.00087279	0.00135
595394.78	4129535.18	0.00133615	0.00101918	0.00093423	0.00134
595330.8	4129498.57	0.00145329	0.00101512	0.0009262	0.00145
595475.42	4129559.86	0.00131208	0.0011471	0.00105825	0.00131
595419.83	4129565.95	0.00124698	0.00093722	0.00085846	0.00125
595392.86	4129507.11	0.00143602	0.00115758	0.00106398	0.00144
595417.79	4129513.03	0.00144734	0.0012396	0.00114255	0.00145
595360.09	4129499.09	0.00144845	0.00108651	0.00099511	0.00145
594801.31	4129435.64	0.00329085	0.00118925	0.00102915	0.00329
594867.73	4129437.09	0.00281321	0.0010648	0.00092615	0.00281
594899.24	4129405.96	0.00271445	0.00105973	0.00092474	0.00271
594899.24	4129433.32	0.00256428	0.00100272	0.00087514	0.00256
594965.89	4129410.32	0.00217769	0.00092803	0.00081684	0.00218

594965.89	4129437.68	0.00205626	0.0008766	0.0007716	0.00206
594949.1	4129408.18	0.00229509	0.00095573	0.00083937	0.00230
594949.1	4129435.54	0.00216847	0.00090357	0.00079362	0.00217
594123.36	4128193.08	0.00134899	0.00110028	0.00101187	0.00135
594125.98	4128217.36	0.00137891	0.00100076	0.00091499	0.00138
594125.98	4128234.55	0.0014129	0.0009507	0.0008656	0.00141
594154.37	4128235.67	0.00145106	0.0009907	0.00090277	0.00145
594155.86	4128216.99	0.00141684	0.001055	0.00096588	0.00142
594156.23	4128199.06	0.00139905	0.00114126	0.00104956	0.00140
594084.14	4128215.87	0.00131806	0.0009196	0.000839	0.00132
594077.04	4128225.58	0.00132778	0.00088353	0.00080393	0.00133
594080.03	4128244.63	0.00137735	0.00085655	0.0007762	0.00138
594204.79	4128164.7	0.00150161	0.00155065	0.00144012	0.00155
594204.79	4128184.49	0.00146291	0.00133567	0.0012345	0.00146
594240.28	4128166.19	0.00153643	0.00159496	0.00148156	0.00159
594240.28	4128184.87	0.00150086	0.00138681	0.0012824	0.00150
594238.04	4128199.81	0.00149523	0.00126686	0.0011671	0.00150
594204.79	4128205.04	0.00146182	0.00118885	0.00109318	0.00146
594201.81	4128219.98	0.00147564	0.00110983	0.00101661	0.00148
594203.3	4128236.42	0.00151066	0.00105143	0.00095914	0.00151
594238.04	4128218.49	0.00151344	0.00116127	0.0010648	0.00151
594241.78	4128235.3	0.00155145	0.00109802	0.00100257	0.00155
594292.2	4128166.94	0.00157346	0.00165113	0.00153433	0.00165
594291.05	4128204.51	0.0015426	0.00129039	0.0011881	0.00154
594290.37	4128187.64	0.00153845	0.00141749	0.00131062	0.00154
594292.54	4128238.87	0.00161173	0.0011331	0.00103422	0.00161
594291.87	4128222	0.00156893	0.00119685	0.0010971	0.00157
594325.04	4128258.3	0.00171195	0.00111111	0.00100951	0.00171
594324.36	4128241.43	0.00164632	0.00115069	0.00104993	0.00165
594325.41	4128220.2	0.00158728	0.00123048	0.00112884	0.00159
594324.74	4128203.33	0.00155948	0.00132329	0.00121917	0.00156
594323.17	4128186.2	0.00155347	0.00145622	0.00134738	0.00155
594322.5	4128169.33	0.00157729	0.00164452	0.00152783	0.00164
594369.12	4128259.42	0.00175767	0.00114911	0.00104449	0.00176
594368.44	4128242.55	0.00167956	0.00118252	0.00107941	0.00168
594369.87	4128221.69	0.00160661	0.00125191	0.00114879	0.00161
594369.19	4128204.82	0.00156938	0.00133872	0.00123369	0.00157
594400.12	4128260.17	0.00178281	0.00117784	0.00107127	0.00178
594399.45	4128243.3	0.00169557	0.00120586	0.00110132	0.00170
594401.24	4128223.93	0.00161638	0.00126309	0.00115921	0.00162
594400.57	4128207.06	0.00156939	0.00134043	0.00123533	0.00157
594371.02	4128185.99	0.00155383	0.00148105	0.00137127	0.00155
594446.85	4128235.67	0.00165662	0.00125963	0.00115446	0.00166
594448.34	4128259.58	0.00178402	0.0012219	0.00111365	0.00178
594465.15	4128255.84	0.00175963	0.00124415	0.00113593	0.00176
594239.44	4128279.33	0.00170329	0.00100262	0.00090537	0.00170
594237.57	4128294.65	0.00177402	0.00098912	0.00088987	0.00177
594237.94	4128312.58	0.00187204	0.00098569	0.00088312	0.00187
594237.19	4128327.52	0.00196177	0.00098912	0.00088326	0.00196
594202.73	4128279.8	0.00165517	0.00096592	0.00087172	0.00166
594200.87	4128295.12	0.00172089	0.00095254	0.00085653	0.00172
594201.24	4128313.05	0.00181176	0.00094826	0.00084921	0.00181
594203.99	4128327.12	0.0018945	0.0009533	0.00085114	0.00189
594156.41	4128278.68	0.00158764	0.00091809	0.00082804	0.00159
594154.54	4128294	0.00164662	0.00090499	0.00081335	0.00165
594154.92	4128311.93	0.00172699	0.00090004	0.00080576	0.00173
594154.17	4128326.87	0.00179781	0.00089981	0.00080305	0.00180
594116.44	4128279.8	0.00153485	0.00086916	0.00078279	0.00153
594114.57	4128295.12	0.00158905	0.00085809	0.00077023	0.00159
594114.95	4128313.05	0.00166261	0.00085461	0.00076428	0.00166
594114.2	4128327.99	0.00172637	0.00085466	0.0007621	0.00173
594283.66	4128296.51	0.00185425	0.00103406	0.00093032	0.00185
594283.68	4128309.94	0.00193537	0.00103306	0.0009265	0.00194
594282.98	4128324.63	0.00203342	0.00103846	0.00092824	0.00203
594282.23	4128339.57	0.00214368	0.0010503	0.00093576	0.00214
594326.57	4128303.53	0.00196639	0.00107854	0.0009692	0.00197
594283.41	4128281.6	0.00177365	0.00104263	0.00094141	0.00177
594326.97	4128334.89	0.00220857	0.00110231	0.00098356	0.00221

594313.27	4128335.25	0.00218029	0.00108468	0.00096757	0.00218
594357.93	4128334.55	0.00227366	0.00114377	0.00102118	0.00227
594344.23	4128334.92	0.00224724	0.00112546	0.00100448	0.00225
594325.72	4128356.04	0.00239897	0.00113327	0.00100665	0.00240
594312.02	4128356.41	0.0023644	0.00111376	0.00098909	0.00236
594356.68	4128355.7	0.00247952	0.00117952	0.00104835	0.00248
594342.98	4128356.07	0.00244624	0.00115907	0.00102984	0.00245
594385.1	4128356.31	0.00256268	0.00122786	0.00109196	0.00256
594371.39	4128356.68	0.00252962	0.00120528	0.00107139	0.00253
594416.06	4128355.97	0.00264204	0.00128489	0.00114408	0.00264
594402.36	4128356.34	0.00261027	0.0012595	0.00112076	0.00261
594385.37	4128334.99	0.00233451	0.00118359	0.00105738	0.00233
594371.66	4128335.36	0.00230985	0.00116413	0.00103951	0.00231
594416.33	4128334.65	0.0023921	0.00123259	0.00110252	0.00239
594402.63	4128335.02	0.0023697	0.00121059	0.00108214	0.00237
594430.03	4128355.38	0.00266964	0.00131118	0.00116842	0.00267
594430.3	4128334.06	0.00241012	0.00125513	0.00112359	0.00241
594339.75	4128303.14	0.00198572	0.00109376	0.00098317	0.00199
594352.16	4128303.71	0.00201007	0.00110821	0.00099623	0.00201
594312.76	4128303.7	0.00194471	0.00106365	0.00095563	0.00194
594380.47	4128302.9	0.00204613	0.00114176	0.00102726	0.00205
594393.65	4128302.51	0.00206015	0.00115764	0.00104206	0.00206
594412.26	4128302.54	0.00208207	0.00118153	0.00106429	0.00208
594366.66	4128303.06	0.00202735	0.00112502	0.00101181	0.00203
594427.77	4128304.53	0.00211312	0.00120355	0.00108439	0.00211
594441.74	4128303.94	0.0021192	0.00122296	0.00110286	0.00212
594455.26	4128305.32	0.00214199	0.00124606	0.0011243	0.00214
594473.08	4128305.05	0.00215112	0.00127765	0.0011544	0.00215
594074.7	4128261.48	0.00141762	0.00082948	0.00074872	0.00142
594070.34	4128276.85	0.00145961	0.00081276	0.00073114	0.00146
594070.34	4128295.44	0.00152214	0.00080533	0.00072178	0.00152
594028.36	4128311.96	0.00150914	0.00075463	0.00067343	0.00151
594051.3	4128317.92	0.00156967	0.00078119	0.00069687	0.00157
594068.96	4128323.43	0.00162209	0.00080181	0.00071488	0.00162
594715.3	4128299.81	0.00923698	0.00971923	0.00903261	0.00972
594727.32	4128298.74	0.00902419	0.00776237	0.007156	0.00902
594740.08	4128298.51	0.00935442	0.00672082	0.00614154	0.00935
594753.54	4128298.74	0.01008026	0.00618453	0.00559962	0.01008
594739.71	4128353.69	0.01450797	0.00838556	0.0075629	0.01451
594752.48	4128353.46	0.0159414	0.00804691	0.00718637	0.01594
594765.93	4128353.69	0.01769938	0.00798077	0.00706078	0.01770
594773.9	4128358.74	0.01940753	0.00819697	0.00720879	0.01941
594786.67	4128358.51	0.02153233	0.00850225	0.0074279	0.02153
594800.12	4128358.74	0.02362275	0.0088574	0.00769623	0.02362
594812.29	4128360.84	0.02590794	0.00934716	0.0080873	0.02591
594825.75	4128361.07	0.02777859	0.00972656	0.00838672	0.02778
594845.57	4128365.89	0.03157853	0.01065896	0.00915064	0.03158
594859.02	4128366.12	0.03312424	0.01101666	0.00944061	0.03312
594803.25	4128299.49	0.01416724	0.00601667	0.00529408	0.01417
594801.87	4128326.74	0.01768857	0.00709687	0.00621012	0.01769
594801.87	4128339.3	0.01981829	0.00772786	0.00674265	0.01982
594803.02	4128311.25	0.01558435	0.00644356	0.0056552	0.01558
594790.8	4128341.22	0.01878572	0.00763743	0.00669195	0.01879
594823.23	4128330.04	0.02054552	0.00760261	0.00659645	0.02055
594823.23	4128342.6	0.02303004	0.00834607	0.00722478	0.02303
594824.38	4128314.55	0.01806454	0.00684383	0.00595325	0.01806
594860.1	4128325.99	0.0233741	0.00809127	0.00696734	0.02337
594859.41	4128341.54	0.02661718	0.00906625	0.00779186	0.02662
594847.25	4128321.72	0.0213997	0.00759765	0.0065616	0.02140
594880.14	4128351.38	0.03104788	0.01027316	0.00879788	0.03105
594880.14	4128363.94	0.03459447	0.01133431	0.00969468	0.03459
594881.28	4128335.89	0.02736447	0.00916608	0.00786166	0.02736
594881.09	4128322.58	0.02454012	0.00832316	0.00714955	0.02454
594882.24	4128307.09	0.02181408	0.00751039	0.00646299	0.02181
594853.17	4128299.79	0.01840369	0.00668275	0.00578621	0.01840
594841.78	4128299.58	0.01744164	0.00649253	0.00563694	0.01744
594864.69	4128299.69	0.01929817	0.00686644	0.00593157	0.01930
594914.48	4128370.74	0.03922291	0.01256789	0.0107194	0.03922

594914.48	4128383.3	0.04345246	0.01383518	0.01179064	0.04345
594914.02	4128355.68	0.03473188	0.01122523	0.00958482	0.03473
594914.94	4128341.45	0.03110104	0.01013557	0.00866352	0.03110
594915.4	4128328.83	0.02824295	0.00927926	0.0079397	0.02824
594910.81	4128299.69	0.02245865	0.00757113	0.00649877	0.02246
594924.35	4128299.46	0.02316094	0.0077259	0.00662305	0.02316
594938.8	4128299.69	0.02389471	0.00789303	0.00675814	0.02389
594950.97	4128303.13	0.02498055	0.00817846	0.00699471	0.02498
594742.21	4128451.06	0.04952823	0.01819509	0.0157745	0.04953
594756.79	4128451.81	0.05747096	0.01991818	0.01715382	0.05747
594772.85	4128452.93	0.06541109	0.02181159	0.01869723	0.06541
594792.28	4128453.67	0.07256481	0.02354617	0.0201154	0.07256
594806.11	4128453.67	0.07583879	0.02431574	0.02074107	0.07584
594821.43	4128454.05	0.07867509	0.02498635	0.02128687	0.07868
594842.36	4128455.92	0.08232747	0.02588689	0.0220253	0.08233
594855.81	4128461.15	0.08771026	0.02740395	0.02329641	0.08771
594871.87	4128467.5	0.09271883	0.02881096	0.02447473	0.09272
594804.99	4128494.4	0.13679853	0.04259236	0.03619151	0.13680
594814.7	4128487.3	0.12261106	0.03822112	0.03248239	0.12261
594826.29	4128476.84	0.10618984	0.03317815	0.02820518	0.10619
594829.65	4128505.61	0.15137116	0.04669327	0.03962678	0.15137
594841.23	4128496.65	0.13269341	0.04099515	0.03479824	0.13269
594854.69	4128486.18	0.11531307	0.03568884	0.03030125	0.11531
594890.82	4128577.25	0.22054311	0.06742168	0.05714865	0.22054
594902.32	4128588.75	0.22062249	0.06751954	0.05724008	0.22062
594913.18	4128600.89	0.21943173	0.06723904	0.05701194	0.21943
594902.06	4128562.56	0.18648061	0.05703811	0.04835063	0.18648
594913.57	4128574.06	0.18761263	0.05742406	0.04868237	0.18761
594924.43	4128586.2	0.18761905	0.05748206	0.04873799	0.18762
594943.24	4128641.96	0.20298715	0.06251412	0.05304178	0.20299
594916.1	4128666.97	0.28886945	0.0891173	0.07563156	0.28887
594927.17	4128654.17	0.24573317	0.07571098	0.06424271	0.24573
594957.7	4128630.49	0.17369473	0.05348436	0.04537926	0.17369
594964.69	4128642.88	0.16695439	0.05151602	0.04372146	0.16695
594977.71	4128652.73	0.14871555	0.04602493	0.0390768	0.14872
594970.41	4128622.55	0.15378488	0.04736437	0.04018792	0.15378
594981.84	4128615.88	0.13886566	0.04278322	0.03630248	0.13887
594988.83	4128606.35	0.12950374	0.03988938	0.03384591	0.12950
594988.51	4128641.61	0.13483363	0.04170054	0.03540203	0.13483
595001.53	4128630.49	0.1206571	0.03730639	0.03167048	0.12066
594813.87	4128831.08	0.07930413	0.02478162	0.0210676	0.07930
594828.18	4128830.83	0.07175449	0.02262651	0.01925847	0.07175
594852.69	4128831.18	0.05813148	0.0187828	0.0160374	0.05813
594610.06	4128785.72	0.11037363	0.03363667	0.02849932	0.11037
594592.81	4128786.36	0.09305131	0.02841972	0.02408633	0.09305
594611.14	4128819.74	0.09896763	0.03013723	0.02553165	0.09897
594589.57	4128819.84	0.08331871	0.02542506	0.02154574	0.08332
594588.48	4128835.99	0.07710328	0.02353498	0.0199448	0.07710
594612.24	4128836.53	0.09014443	0.02746532	0.02326978	0.09014
594574.44	4128791.98	0.07841956	0.02399601	0.02034234	0.07842
594577.14	4128779.29	0.08089924	0.02477346	0.02100357	0.08090
594550.94	4128790.9	0.06462634	0.01983337	0.01682019	0.06463
594557.96	4128779.56	0.06844817	0.02101152	0.01781995	0.06845
594537.98	4128785.23	0.05832733	0.01793832	0.01521741	0.05833
594527.72	4128780.37	0.05372954	0.01655396	0.01404644	0.05373
594571.47	4128835.72	0.06891705	0.02106683	0.0178567	0.06892
594554.99	4128827.89	0.06323416	0.0193601	0.01641354	0.06323
594540.68	4128821.41	0.05812843	0.01782574	0.01511602	0.05813
594521.24	4128816.28	0.05124665	0.01575138	0.01336113	0.05125
594500.45	4128816.01	0.04467498	0.01376235	0.01167747	0.04467
594482.9	4128816.01	0.03995227	0.01233089	0.01046553	0.03995
594512.33	4128784.69	0.04807652	0.01483261	0.01258815	0.04808
594518.81	4128769.84	0.04960222	0.01532006	0.01300375	0.04960
594490.46	4128781.18	0.04100102	0.01268881	0.01077322	0.04100
594463.46	4128816.55	0.035459	0.01096691	0.0093105	0.03546
594474.8	4128788.2	0.03722055	0.01153064	0.00979124	0.03722
594569.94	4128717.94	0.06841576	0.02120227	0.01800476	0.06842
594576.93	4128700.78	0.06898548	0.02146443	0.0182371	0.06899



594562.95	4128701.42	0.0602266	0.01876532	0.01594679	0.06023
594567.4	4128690.62	0.06007273	0.0187704	0.01595709	0.06007
594569.3	4128677.59	0.05751696	0.0180486	0.01535213	0.05752
594651.12	4128634.24	0.13184975	0.04262584	0.03639801	0.13185
594638.83	4128633.85	0.10661059	0.03424827	0.02922207	0.10661
594618.73	4128637.95	0.08120059	0.02590436	0.02208181	0.08120
594599.61	4128635.02	0.06210546	0.01982858	0.01690435	0.06211
594577.18	4128634.44	0.04784479	0.01529694	0.01304338	0.04784
594557.86	4128635.02	0.03941194	0.01262134	0.01076422	0.03941
594542.45	4128643.61	0.0362251	0.0115698	0.00986399	0.03623
594541.86	4128632.1	0.03319688	0.0106709	0.00910515	0.03320
594531.43	4128643.7	0.03287712	0.01051611	0.00896738	0.03288
594530.84	4128632.19	0.03014574	0.00970488	0.00828249	0.03015
594540.11	4128655.31	0.03830723	0.01216981	0.01036837	0.03831
594518.69	4128738.15	0.04632293	0.01438514	0.01221907	0.04632
594499.87	4128737.46	0.03993696	0.01243486	0.01056618	0.03994
594472.79	4128739.52	0.03299205	0.010306	0.00876103	0.03299
594513.64	4128720.93	0.04211524	0.0131373	0.01116579	0.04212
594512.27	4128702.11	0.03867787	0.01212738	0.01031447	0.03868
594510.66	4128692.01	0.03647321	0.01147372	0.00976274	0.03647
594477.61	4128716.57	0.03151705	0.00989172	0.00841409	0.03152
594478.52	4128700.28	0.02963963	0.00934398	0.00795283	0.02964
594478.75	4128690.18	0.02833047	0.00895973	0.00762897	0.02833
594477.26	4128678.47	0.02642825	0.00839482	0.00715205	0.02643
594477.49	4128668.37	0.02505369	0.00798981	0.0068105	0.02505
594512.95	4128634.86	0.02651267	0.00854546	0.00729411	0.02651
594493.21	4128634.4	0.02271455	0.00734696	0.00627392	0.02271
594479.9	4128636.24	0.02089241	0.00676574	0.00577847	0.02089
594520.41	4128546.93	0.01309614	0.00459517	0.00396315	0.01310
594506.37	4128547.06	0.01211145	0.00424657	0.00366219	0.01211
594490.43	4128547.26	0.01114946	0.00390713	0.00336924	0.01115
594543.41	4128516.78	0.01094754	0.00407064	0.00353378	0.01095
594528.11	4128515.67	0.01007214	0.00373117	0.00323777	0.01007
594514.07	4128515.8	0.00947223	0.00349246	0.00302905	0.00947
594498.14	4128516.01	0.00886678	0.00325495	0.00282169	0.00887
594521.34	4128494.93	0.00806793	0.00310375	0.00270425	0.00807
594492.14	4128494.79	0.00727842	0.0027648	0.0024057	0.00728
594507.26	4128495.18	0.00769553	0.00293883	0.00255857	0.00770
594596.96	4128603.83	0.04624072	0.01508806	0.01289875	0.04624
594597.02	4128588.09	0.03931176	0.01302918	0.01116042	0.03931
594576.88	4128589.98	0.0320986	0.01062562	0.00910023	0.03210
594553.64	4128588.55	0.02537974	0.00843025	0.00722308	0.02538
594538.01	4128588.04	0.02213346	0.00736861	0.00631523	0.02213
594516.04	4128591.11	0.01915435	0.00637564	0.00546409	0.01915
594513.59	4128574.71	0.01626501	0.00550758	0.00473005	0.01627
594493.57	4128590.27	0.01627474	0.00543791	0.00466262	0.01627
594760.51	4128824.14	0.12614328	0.03858174	0.03270521	0.12614
594520.63	4128867.68	0.0459767	0.01411675	0.01197285	0.04598
594503.08	4128867.68	0.04204782	0.01292768	0.01096634	0.04205
594483.64	4128868.22	0.0380571	0.01171885	0.00994298	0.03806
594520.63	4128893.02	0.04196871	0.01289471	0.01093738	0.04197
594503.08	4128893.02	0.03896114	0.01198314	0.01016561	0.03896
594483.64	4128893.56	0.03576727	0.0110147	0.00934565	0.03577
594463.73	4128893.02	0.03283847	0.01012658	0.00859368	0.03284
594468.42	4128866.12	0.03537728	0.01090787	0.00925653	0.03538
594565.38	4128882.18	0.05329877	0.01632827	0.01384431	0.05330
594561.5	4128916.3	0.04301458	0.01321545	0.01120937	0.04301
594552.23	4128934.41	0.03769933	0.01160446	0.00984545	0.03770
594566.42	4128896.15	0.04934317	0.01513115	0.01283099	0.04934
594528.39	4128942.69	0.03406525	0.01049734	0.00890746	0.03407
594510.84	4128942.69	0.03258572	0.01004514	0.00852418	0.03259
594491.4	4128943.23	0.0308009	0.00950073	0.00806286	0.03080
594471.41	4128940.8	0.02927816	0.00903658	0.00766959	0.02928
594605.25	4128901.88	0.05290951	0.01622399	0.01375761	0.05291
594621.14	4128901.88	0.05440841	0.01668738	0.01415099	0.05441
594635.12	4128902.2	0.05508827	0.01690488	0.01433645	0.05509
594640.52	4128886.63	0.06445779	0.01973493	0.01673134	0.06446
594606.52	4128881.86	0.06229363	0.01905655	0.0161544	0.06229

594625.27	4128881.86	0.06563936	0.02007729	0.01701936	0.06564
594603.03	4128926.98	0.04323972	0.01330341	0.01128613	0.04324
594619.87	4128927.61	0.04357218	0.01341633	0.01138314	0.04357
594638.29	4128927.3	0.0437659	0.01349188	0.01144906	0.04377
594852.47	4128984.02	0.01429262	0.00489956	0.00421409	0.01429
594849.93	4128999.27	0.01321089	0.00453716	0.00390326	0.01321
594870.26	4128985.29	0.01304998	0.00457107	0.00394157	0.01305
594876.3	4129002.45	0.01151984	0.00408634	0.00352875	0.01152
594893.77	4129021.83	0.00964936	0.00352528	0.00305441	0.00965
594894.41	4129003.08	0.0105969	0.00385926	0.00334261	0.01060
595091.6	4128755.33	0.02558427	0.00899043	0.00775523	0.02558
595109.41	4128755.33	0.02279669	0.00803961	0.00693793	0.02280
595093.43	4128736.06	0.03058979	0.01036556	0.00890297	0.03059
595111.25	4128736.06	0.02698603	0.00918915	0.00789721	0.02699
595029.54	4128756.5	0.04039774	0.01408173	0.01213559	0.04040
595046.67	4128741.76	0.04174179	0.01410635	0.01211197	0.04174
594992.37	4128751	0.06313531	0.02153017	0.01850641	0.06314
595004.01	4128740.39	0.06455343	0.0214958	0.01842339	0.06455
595130.48	4128770.73	0.01748536	0.00640784	0.00555386	0.01749
595129.26	4128740.39	0.02307369	0.00795032	0.00684422	0.02307
595153.5	4128684.24	0.03024681	0.00984333	0.00841223	0.03025
595153.04	4128700.7	0.02715547	0.00895912	0.00766976	0.02716
595176.21	4128770.73	0.01385784	0.00510855	0.00443062	0.01386
595177.13	4128794.07	0.01157875	0.00450985	0.00393444	0.01158
595158.31	4128805.34	0.01156241	0.00465322	0.00407305	0.01156
595152.35	4128779.19	0.01454461	0.00545187	0.00473699	0.01454
595180.8	4128815.43	0.00983811	0.00406364	0.00356611	0.00984
595204.2	4128820.02	0.00874429	0.00364424	0.00320082	0.00874
595140.88	4128720.46	0.02532139	0.00850559	0.00729768	0.02532
595166.57	4128720.46	0.02157973	0.00730073	0.00626937	0.02158
595172.54	4128700.27	0.02407284	0.00798139	0.00683693	0.02407
595195.48	4128710.82	0.01955177	0.00659348	0.00565983	0.01955
595189.05	4128689.72	0.02334733	0.00770274	0.00659419	0.02335
595204.65	4128688.34	0.02148203	0.00710875	0.00608797	0.02148
595195.94	4128735.6	0.01635364	0.00569078	0.00490332	0.01635
595175.75	4128744.32	0.01705252	0.0059829	0.00515996	0.01705
595202.36	4128779.64	0.01151956	0.0043427	0.00377559	0.01152
595203.74	4128760.37	0.0131418	0.00476944	0.00412933	0.01314
595216.58	4128741.56	0.0141243	0.00498334	0.00430068	0.01412
595217.96	4128723.67	0.01586054	0.005463	0.00470136	0.01586
595219.34	4128702.56	0.01809397	0.00608978	0.0052262	0.01809
594850.37	4127951.3	0.002758	0.00174821	0.00158609	0.00276
594852.13	4127935.04	0.00259635	0.00162751	0.00147557	0.00260
594898.07	4127967.2	0.00343249	0.00184765	0.00165809	0.00343
594931.28	4127981.33	0.00403327	0.00194688	0.00173247	0.00403
594934.82	4127965.79	0.00381939	0.00185205	0.00164869	0.00382
594899.13	4127944.23	0.0031325	0.00169903	0.00152556	0.00313
594898.78	4127930.8	0.00296124	0.00161417	0.00144988	0.00296
594934.46	4127945.65	0.00351223	0.00172966	0.00154168	0.00351
594928.81	4127927.62	0.00321328	0.00161964	0.00144627	0.00321
595340	4129093.59	0.0031514	0.00285125	0.00263427	0.00315
595349.49	4129109.17	0.00307634	0.00289739	0.00268134	0.00308
595373.19	4129128.81	0.00286557	0.00274619	0.00254318	0.00287
595405.7	4129155.9	0.00261179	0.00255848	0.00237139	0.00261
594828.06	4129208.24	0.00580991	0.00205677	0.0017757	0.00581
594853.46	4129207.91	0.00533278	0.0019313	0.00167171	0.00533
594825.42	4129228.03	0.00549206	0.00194762	0.00168181	0.00549
594850.82	4129227.7	0.00505593	0.00183285	0.00158666	0.00506
594827.4	4129248.81	0.00511544	0.00182379	0.00157584	0.00512
594852.8	4129248.48	0.00471494	0.00171862	0.00148868	0.00471
594896.99	4129195.71	0.00473319	0.00179854	0.001565	0.00473
594922.38	4129195.38	0.0043461	0.00170935	0.00149275	0.00435
594891.71	4129220.12	0.00446769	0.00169283	0.00147257	0.00447
594917.11	4129219.79	0.00409535	0.00160446	0.00140059	0.00410
594891.71	4129241.88	0.00418514	0.00159118	0.00138464	0.00419
594917.11	4129241.55	0.00383787	0.00150812	0.0013169	0.00384
594893.69	4129262.33	0.00392056	0.00149856	0.00130478	0.00392
594919.09	4129262	0.0035963	0.0014208	0.00124134	0.00360

594893.36	4129285.74	0.00368344	0.00141158	0.00122939	0.00368
594918.76	4129285.41	0.00337747	0.00133752	0.00116885	0.00338
594825.75	4129273.54	0.00477308	0.00170703	0.00147549	0.00477
594851.15	4129273.21	0.00441495	0.00161304	0.0013976	0.00441
594828.06	4129297.28	0.00442939	0.00159335	0.00137813	0.00443
594853.46	4129296.95	0.00410389	0.00150804	0.00130746	0.00410
595429.03	4129137.08	0.00241056	0.00209782	0.00193494	0.00241
595398.56	4129118.5	0.00262681	0.00228105	0.00210374	0.00263
595323.48	4128976.53	0.00360388	0.00220973	0.00200067	0.00360
595337.6	4128998.08	0.00336395	0.002167	0.00196798	0.00336
595353.21	4129028.56	0.0031149	0.00216131	0.00197126	0.00311
594282.32	4128355.01	0.00227059	0.00107019	0.00095044	0.00227
594281.57	4128369.95	0.00240148	0.00109328	0.00096807	0.00240
594237.72	4128344.51	0.00207705	0.00100155	0.00089117	0.00208
594236.97	4128359.46	0.00218458	0.00101642	0.0009017	0.00218
594240.34	4128380.37	0.00236205	0.00105075	0.00092851	0.00236
594239.59	4128395.32	0.0024904	0.00107666	0.00094893	0.00249
594227.72	4128414.08	0.00261499	0.00109484	0.00096205	0.00261
595154.49	4128556.43	0.04557312	0.01420115	0.01206832	0.04557
595544.9	4129513.26	0.00241009	0.00367633	0.00345478	0.00368
595560.09	4129522.66	0.00246881	0.00386183	0.00363131	0.00386
595546.35	4129534.23	0.00184799	0.00243337	0.00227783	0.00243
595565.51	4129536.76	0.00200354	0.00283284	0.00265697	0.00283
595570.93	4129559.54	0.00144582	0.00160711	0.00149645	0.00161
595545.62	4129557.37	0.00144861	0.00156548	0.00145626	0.00157

1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2020  
 8 hours/day  
 5 days/week  
 30.8 weeks/year 154 working days starting 6/1/2020  
 1232 hours/year

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2020	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Demolition	6.200E-04	1.269E-04	4.362E-09
	Site Preparation	1.240E-03	2.539E-04	8.724E-09
	Grading	9.700E-04	1.986E-04	6.825E-09
	Building Construction (2020)	3.370E-03	6.899E-04	2.371E-08
<b>Total</b>		<b>6.200E-03</b>	<b>1.269E-03</b>	<b>4.362E-08</b>

Offsite Construction Vehicle PM2.5 Emissions

2020	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(tons/year)	(tons/year)
	Demolition	2.600E-04	0.000E+00	1.000E-05
	Site Preparation	0.000E+00	0.000E+00	2.000E-05
	Grading	2.820E-03	0.000E+00	1.000E-05
	Building Construction (2020)	0.000E+00	2.850E-03	9.400E-04
<b>Total (tons/year)</b>		<b>3.080E-03</b>	<b>2.850E-03</b>	<b>9.800E-04</b>

6.910E-03

Trip Distance assumed in CalEEMod (mi) 20.0 7.3 10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi) 0.75 0.75 0.75  
 Project Site>Southway Express>I-280 (mi) 0.75 0.75 0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year) 5.787E-05 1.467E-04 3.410E-05  
 Project>Southway Express>I-280 (tons/year) 5.769E-05 1.463E-04 3.399E-05

**Total Offsite Emissions Along Segments (tons/year)** 1.156E-04 2.930E-04 6.809E-05

Offsite Emissions Along Roadway Segments Analyzed	
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year)	2.387E-04
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec)	4.886E-05
Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year)	2.379E-04
Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec)	4.871E-05
Total Offsite Project Exhaust Emissions (tons/year)	4.766E-04
Total Offsite Project Exhaust Emissions (grams/sec)	9.758E-05

Onsite Exhaust Emissions (tons/year)	6.200E-03
Total Onsite Emissions (tons/year)	6.200E-03
Onsite Exhaust Emissions (g/m2-sec)	4.362E-08

**Total PM@2.5 Exhaust (tons/year)** 6.677E-03

1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2021  
 8 hours/day  
 5 days/week  
 52.2 weeks/year  
 2088 hours/year  
 261 working days in 2021

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2021	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source
		Exhaust Emissions (tons/year)	Exhaust Emissions (g/sec)	Exhaust Emissions (g/m2-sec)
	Building Construction (2021)	1.460E-02	1.764E-03	6.061E-08
<b>Total</b>		<b>1.460E-02</b>	<b>1.764E-03</b>	<b>6.061E-08</b>

Offsite Construction Vehicle PM2.5 Emissions

2021	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)	Exhaust Emissions (tons/year)
	Building Construction (2021)	0.000E+00	5.570E-03	4.440E-03
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>5.570E-03</b>	<b>4.440E-03</b>

1.001E-02

Trip Distance assumed in CalEEMod (mi) 20.0 7.3 10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi) 0.75 0.75 0.75  
 Project Site>Southway Express>I-280 (mi) 0.75 0.75 0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year) 0.000E+00 2.867E-04 1.545E-04  
 Project>Southway Express>I-280 (tons/year) 0.000E+00 2.859E-04 1.540E-04

**Total Offsite Emissions Along Segments (tons/year)** 0.000E+00 5.726E-04 3.085E-04

Offsite Emissions Along Roadway Segment Analyzed	
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year)	4.412E-04
Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec)	5.330E-05
Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year)	4.399E-04
Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec)	5.313E-05
Total Offsite Project Exhaust Emissions (tons/year)	8.811E-04
Total Offsite Project Exhaust Emissions (grams/sec)	1.064E-04

Onsite Exhaust Emissions (tons/year)	1.460E-02
Total Onsite Emissions (tons/year)	1.460E-02
Onsite Exhaust Emissions (g/m2-sec)	6.061E-08

**Total PM@2.5 Exhaust (tons/year)** 1.548E-02

1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2022  
 8 hours/day  
 5 days/week  
 45.2 weeks/year 226 working days ending 11/14/2022  
 1808 hours/year

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2022	Construction Activity	Onsite	Onsite	Onsite DPM
		Annual DPM	Annual DPM	Source Exhaust
		Exhaust Emissions	Exhaust Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Building Construction (2022)	1.050E-02	1.465E-03	5.034E-08
	Architectural Coating	1.200E-04	1.674E-05	5.753E-10
	Paving	3.700E-04	5.162E-05	1.774E-09
<b>Total</b>		<b>1.099E-02</b>	<b>1.533E-03</b>	<b>5.269E-08</b>

Offsite Construction Vehicle PM2.5 Emissions

2022	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual DPM	Annual DPM	Annual DPM
		Exhaust Emissions	Exhaust Emissions	Exhaust Emissions
		(tons/year)	(tons/year)	(tons/year)
	Building Construction (2022)	0.000E+00	3.820E-03	3.430E-03
	Architectural Coating	0.000E+00	0.000E+00	2.000E-04
	Paving	0.000E+00	0.000E+00	1.000E-05
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>3.820E-03</b>	<b>3.640E-03</b>

7.460E-03

Trip Distance assumed in CalEEMod (mi) 20.0 7.3 10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi) 0.75 0.75 0.75  
 Project Site>Southway Express>I-280 (mi) 0.75 0.75 0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year) 0.000E+00 1.966E-04 1.267E-04  
 Project>Southway Express>I-280 (tons/year) 0.000E+00 1.960E-04 1.263E-04  
**Total Offsite Emissions Along Segments (tons/year) 0.000E+00 3.927E-04 2.529E-04**

Offsite Emissions Along Roadway Segment Analyzed

Road Segment to CA-17 Total Offsite Project Exhaust Emissions (tons/year) 3.233E-04 (tons/year)  
 Road Segment to CA-17 Total Offsite Project Exhaust Emissions (grams/sec) 4.510E-05 (grams/sec)  
 Road Segment to I-280 Total Offsite Project Exhaust Emissions (tons/year) 3.223E-04 (tons/year)  
 Road Segment to I-280 Total Offsite Project Exhaust Emissions (grams/sec) 4.496E-05 (grams/sec)  
**Total Offsite Project Exhaust Emissions (tons/year) 6.456E-04**  
**Total Offsite Project Exhaust Emissions (grams/sec) 9.006E-05**

Onsite Exhaust Emissions (tons/year) 1.099E-02  
 Total Onsite Emissions (tons/year) 1.099E-02  
 Onsite Exhaust Emissions (g/m2-sec) 5.269E-08

**Total PM@2.5 Exhaust (tons/year) 1.164E-02**

# 1410 South Bascom Avenue Project

2020

Tier IV Interim Mitigated Construction at Sensitive Receptors

## Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec):	4.3622E-08
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec):	4.88639E-05
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec):	4.87144E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00015	0.05879	2.87271E-06	0.03891	1.89548E-06	0.00015
593960.92	4129158.33	3639.06634	0.00016	0.05999	2.93134E-06	0.04232	2.06160E-06	0.00016
594008.73	4129158.33	3982.44153	0.00017	0.06107	2.98412E-06	0.04616	2.24866E-06	0.00018
594056.54	4129158.33	4355.83729	0.00019	0.06204	3.03152E-06	0.05049	2.45959E-06	0.00020
594104.35	4129158.33	4754.1984	0.00021	0.06287	3.07207E-06	0.05540	2.69878E-06	0.00021
594152.16	4129158.33	5171.19628	0.00023	0.06352	3.10383E-06	0.06096	2.96963E-06	0.00023
594199.97	4129158.33	5594.53203	0.00024	0.06388	3.12142E-06	0.06725	3.27605E-06	0.00025
594247.78	4129158.33	6004.09246	0.00026	0.06386	3.12045E-06	0.07437	3.62289E-06	0.00027
594295.59	4129158.33	6373.51698	0.00028	0.06345	3.10041E-06	0.08239	4.01358E-06	0.00029
594343.4	4129158.33	6674.07426	0.00029	0.06275	3.06621E-06	0.09131	4.44812E-06	0.00030
594391.21	4129158.33	6873.62872	0.00030	0.06185	3.02223E-06	0.10136	4.93770E-06	0.00031
594439.02	4129158.33	6951.56549	0.00030	0.06065	2.96359E-06	0.11262	5.48622E-06	0.00031
594486.83	4129158.33	6904.49051	0.00030	0.05898	2.88199E-06	0.12517	6.09759E-06	0.00031
594534.64	4129158.33	6727.25386	0.00029	0.05686	2.77840E-06	0.13927	6.78446E-06	0.00030
594582.45	4129158.33	6415.33047	0.00028	0.05494	2.68458E-06	0.15543	7.57169E-06	0.00029
594630.26	4129158.33	6008.16583	0.00026	0.05443	2.65966E-06	0.17405	8.47875E-06	0.00027
593913.11	4129192.59	3270.19406	0.00014	0.05557	2.71537E-06	0.03989	1.94322E-06	0.00015
593960.92	4129192.59	3555.71462	0.00016	0.05649	2.76032E-06	0.04330	2.10934E-06	0.00016
594008.73	4129192.59	3863.7514	0.00017	0.05727	2.79843E-06	0.04710	2.29445E-06	0.00017
594056.54	4129192.59	4191.06421	0.00018	0.05791	2.82971E-06	0.05139	2.50344E-06	0.00019
594104.35	4129192.59	4533.29631	0.00020	0.05844	2.85561E-06	0.05623	2.73921E-06	0.00020
594152.16	4129192.59	4880.00864	0.00021	0.05879	2.87271E-06	0.06166	3.00373E-06	0.00022
594199.97	4129192.59	5217.3588	0.00023	0.05890	2.87808E-06	0.06775	3.30040E-06	0.00023
594247.78	4129192.59	5526.09506	0.00024	0.05871	2.86808E-06	0.07458	3.63312E-06	0.00025
594295.59	4129192.59	5783.66201	0.00025	0.05823	2.84534E-06	0.08220	4.00433E-06	0.00026
594343.4	4129192.59	5967.64393	0.00026	0.05754	2.81163E-06	0.09067	4.41694E-06	0.00027
594391.21	4129192.59	6063.44808	0.00026	0.05668	2.76960E-06	0.10005	4.87388E-06	0.00027
594439.02	4129192.59	6063.30313	0.00026	0.05553	2.71341E-06	0.11042	5.37905E-06	0.00027
594486.83	4129192.59	5968.23517	0.00026	0.05391	2.63425E-06	0.12199	5.94268E-06	0.00027
594534.64	4129192.59	5779.52334	0.00025	0.05194	2.53799E-06	0.13496	6.57450E-06	0.00026
594582.45	4129192.59	5495.75797	0.00024	0.05029	2.45736E-06	0.14963	7.28914E-06	0.00025
594630.26	4129192.59	5152.86778	0.00022	0.04996	2.44124E-06	0.16629	8.10072E-06	0.00024
593913.11	4129226.85	3196.35742	0.00014	0.05249	2.56487E-06	0.04073	1.98414E-06	0.00014
593960.92	4129226.85	3454.53449	0.00015	0.05317	2.59809E-06	0.04413	2.14977E-06	0.00016
594008.73	4129226.85	3726.98995	0.00016	0.05368	2.62301E-06	0.04787	2.33196E-06	0.00017
594056.54	4129226.85	4010.32013	0.00017	0.05400	2.63865E-06	0.05210	2.53802E-06	0.00018
594104.35	4129226.85	4298.33572	0.00019	0.05428	2.65233E-06	0.05684	2.76893E-06	0.00019
594152.16	4129226.85	4579.67319	0.00020	0.05442	2.65917E-06	0.06212	3.02614E-06	0.00021
594199.97	4129226.85	4840.4703	0.00021	0.05437	2.65673E-06	0.06800	3.31258E-06	0.00022
594247.78	4129226.85	5063.63373	0.00022	0.05409	2.64305E-06	0.07452	3.63020E-06	0.00023
594295.59	4129226.85	5231.96273	0.00023	0.05360	2.61910E-06	0.08174	3.98192E-06	0.00023
594343.4	4129226.85	5331.45972	0.00023	0.05294	2.58685E-06	0.08970	4.36969E-06	0.00024
594391.21	4129226.85	5357.84087	0.00023	0.05221	2.55118E-06	0.09845	4.79594E-06	0.00024
594439.02	4129226.85	5312.73141	0.00023	0.05109	2.49646E-06	0.10809	5.26554E-06	0.00024
594486.83	4129226.85	5198.54687	0.00023	0.04952	2.41974E-06	0.11878	5.78630E-06	0.00023
594534.64	4129226.85	5014.19751	0.00022	0.04770	2.33081E-06	0.13071	6.36746E-06	0.00023
594582.45	4129226.85	4758.88666	0.00021	0.04628	2.26142E-06	0.14412	7.02073E-06	0.00022
594630.26	4129226.85	4464.94665	0.00019	0.04609	2.25214E-06	0.15928	7.75924E-06	0.00020
593913.11	4129261.11	3108.59307	0.00014	0.04951	2.41925E-06	0.04137	2.01532E-06	0.00014
593960.92	4129261.11	3338.75679	0.00015	0.04996	2.44124E-06	0.04475	2.17997E-06	0.00015
594008.73	4129261.11	3577.63236	0.00016	0.05028	2.45688E-06	0.04849	2.36216E-06	0.00016
594056.54	4129261.11	3819.32836	0.00017	0.05044	2.46469E-06	0.05264	2.56433E-06	0.00017
594104.35	4129261.11	4055.99067	0.00018	0.05053	2.46909E-06	0.05726	2.78939E-06	0.00018
594152.16	4129261.11	4278.26507	0.00019	0.05051	2.46811E-06	0.06237	3.03832E-06	0.00019
594199.97	4129261.11	4472.72286	0.00020	0.05036	2.46079E-06	0.06801	3.31307E-06	0.00020
594247.78	4129261.11	4625.61491	0.00020	0.05004	2.44515E-06	0.07422	3.61559E-06	0.00021
594295.59	4129261.11	4725.17221	0.00021	0.04958	2.42267E-06	0.08103	3.94733E-06	0.00021
594343.4	4129261.11	4765.32585	0.00021	0.04898	2.39335E-06	0.08850	4.31123E-06	0.00021
594391.21	4129261.11	4748.49589	0.00021	0.04821	2.35573E-06	0.09665	4.70825E-06	0.00021
594439.02	4129261.11	4680.08371	0.00020	0.04719	2.30589E-06	0.10561	5.14473E-06	0.00021
594486.83	4129261.11	4562.2956	0.00020	0.04569	2.23259E-06	0.11555	5.62895E-06	0.00021
594534.64	4129261.11	4390.15529	0.00019	0.04402	2.15099E-06	0.12654	6.16433E-06	0.00020
594582.45	4129261.11	4161.01157	0.00018	0.04279	2.09089E-06	0.13885	6.76400E-06	0.00019

594630.26	4129261.11	3907.88439	0.00017	0.04272	2.08747E-06	0.15267	7.43723E-06	0.00018
593913.11	4129295.37	3010.96052	0.00013	0.04670	2.28194E-06	0.04195	2.04357E-06	0.00014
593960.92	4129295.37	3213.77375	0.00014	0.04697	2.29514E-06	0.04528	2.20579E-06	0.00014
594008.73	4129295.37	3419.17377	0.00015	0.04711	2.30198E-06	0.04896	2.38506E-06	0.00015
594056.54	4129295.37	3621.2328	0.00016	0.04714	2.30344E-06	0.05302	2.58284E-06	0.00016
594104.35	4129295.37	3812.02748	0.00017	0.04707	2.30002E-06	0.05749	2.80059E-06	0.00017
594152.16	4129295.37	3982.19231	0.00017	0.04695	2.29416E-06	0.06241	3.04027E-06	0.00018
594199.97	4129295.37	4120.70662	0.00018	0.04675	2.28439E-06	0.06780	3.30284E-06	0.00019
594247.78	4129295.37	4217.62612	0.00018	0.04644	2.26924E-06	0.07369	3.58977E-06	0.00019
594295.59	4129295.37	4266.54886	0.00019	0.04602	2.24872E-06	0.08011	3.90251E-06	0.00019
594343.4	4129295.37	4267.09931	0.00019	0.04547	2.22184E-06	0.08711	4.24352E-06	0.00019
594391.21	4129295.37	4225.56372	0.00018	0.04476	2.18715E-06	0.09472	4.61423E-06	0.00019
594439.02	4129295.37	4147.26724	0.00018	0.04372	2.13633E-06	0.10305	5.02002E-06	0.00019
594486.83	4129295.37	4032.65954	0.00018	0.04231	2.06743E-06	0.11224	5.46771E-06	0.00018
594534.64	4129295.37	3873.56733	0.00017	0.04079	1.99316E-06	0.12243	5.96411E-06	0.00018
594582.45	4129295.37	3668.65647	0.00016	0.03974	1.94185E-06	0.13374	6.51507E-06	0.00017
594630.26	4129295.37	3451.22474	0.00015	0.03976	1.94283E-06	0.14635	7.12936E-06	0.00016
593913.11	4129329.63	2905.61573	0.00013	0.04408	2.15392E-06	0.04242	2.06647E-06	0.00013
593960.92	4129329.63	3081.42339	0.00013	0.04420	2.15978E-06	0.04569	2.22576E-06	0.00014
594008.73	4129329.63	3255.30194	0.00014	0.04417	2.15832E-06	0.04929	2.40113E-06	0.00015
594056.54	4129329.63	3420.98604	0.00015	0.04408	2.15392E-06	0.05324	2.59356E-06	0.00015
594104.35	4129329.63	3570.71664	0.00016	0.04394	2.14708E-06	0.05755	2.80352E-06	0.00016
594152.16	4129329.63	3695.11204	0.00016	0.04376	2.13828E-06	0.06227	3.03345E-06	0.00017
594199.97	4129329.63	3787.66027	0.00017	0.04354	2.12753E-06	0.06741	3.28384E-06	0.00017
594247.78	4129329.63	3841.94439	0.00017	0.04326	2.11385E-06	0.07298	3.55518E-06	0.00017
594295.59	4129329.63	3855.72439	0.00017	0.04290	2.09626E-06	0.07902	3.84942E-06	0.00017
594343.4	4129329.63	3831.60712	0.00017	0.04239	2.07134E-06	0.08557	4.16849E-06	0.00017
594391.21	4129329.63	3776.7637	0.00016	0.04166	2.03567E-06	0.09268	4.51485E-06	0.00017
594439.02	4129329.63	3697.76168	0.00016	0.04066	1.98681E-06	0.10044	4.89288E-06	0.00017
594486.83	4129329.63	3589.50583	0.00016	0.03933	1.92182E-06	0.10898	5.30890E-06	0.00016
594534.64	4129329.63	3443.27012	0.00015	0.03794	1.85390E-06	0.11840	5.76779E-06	0.00016
594582.45	4129329.63	3259.89454	0.00014	0.03706	1.81090E-06	0.12883	6.27588E-06	0.00015
594630.26	4129329.63	3070.55961	0.00013	0.03714	1.81480E-06	0.14040	6.83951E-06	0.00014
593913.11	4129363.89	2794.24888	0.00012	0.04161	2.03323E-06	0.04278	2.08400E-06	0.00013
593960.92	4129363.89	2944.73706	0.00013	0.04157	2.03127E-06	0.04599	2.24038E-06	0.00013
594008.73	4129363.89	3088.82511	0.00013	0.04146	2.02590E-06	0.04949	2.41088E-06	0.00014
594056.54	4129363.89	3220.72969	0.00014	0.04127	2.01661E-06	0.05331	2.59697E-06	0.00015
594104.35	4129363.89	3333.93858	0.00015	0.04107	2.00684E-06	0.05746	2.79913E-06	0.00015
594152.16	4129363.89	3421.32	0.00015	0.04087	1.99707E-06	0.06197	3.01883E-06	0.00015
594199.97	4129363.89	3477.31754	0.00015	0.04065	1.98632E-06	0.06684	3.25607E-06	0.00016
594247.78	4129363.89	3499.23104	0.00015	0.04041	1.97459E-06	0.07211	3.51280E-06	0.00016
594295.59	4129363.89	3488.52755	0.00015	0.04008	1.95846E-06	0.07779	3.78950E-06	0.00016
594343.4	4129363.89	3450.45043	0.00015	0.03960	1.93501E-06	0.08392	4.08812E-06	0.00016
594391.21	4129363.89	3393.04883	0.00015	0.03894	1.90276E-06	0.09056	4.41158E-06	0.00015
594439.02	4129363.89	3315.33438	0.00014	0.03792	1.85292E-06	0.09780	4.76427E-06	0.00015
594486.83	4129363.89	3215.0033	0.00014	0.03667	1.79184E-06	0.10573	5.15058E-06	0.00015
594534.64	4129363.89	3079.84599	0.00013	0.03543	1.73125E-06	0.11446	5.57586E-06	0.00014
594582.45	4129363.89	2914.79667	0.00013	0.03469	1.69509E-06	0.12409	6.04498E-06	0.00013
594630.26	4129363.89	2749.90437	0.00012	0.03483	1.70193E-06	0.13471	6.56232E-06	0.00013
593913.11	4129398.15	2679.16588	0.00012	0.03929	1.91986E-06	0.04304	2.09667E-06	0.00012
593960.92	4129398.15	2805.71598	0.00012	0.03916	1.91351E-06	0.04617	2.24915E-06	0.00013
594008.73	4129398.15	2922.43071	0.00013	0.03894	1.90276E-06	0.04957	2.41477E-06	0.00013
594056.54	4129398.15	3024.89769	0.00013	0.03872	1.89201E-06	0.05325	2.59404E-06	0.00014
594104.35	4129398.15	3106.84561	0.00014	0.03849	1.88077E-06	0.05723	2.78793E-06	0.00014
594152.16	4129398.15	3163.25502	0.00014	0.03828	1.87051E-06	0.06152	2.99691E-06	0.00014
594199.97	4129398.15	3191.13432	0.00014	0.03809	1.86123E-06	0.06614	3.22197E-06	0.00014
594247.78	4129398.15	3190.51454	0.00014	0.03788	1.85096E-06	0.07110	3.46360E-06	0.00014
594295.59	4129398.15	3164.98988	0.00014	0.03759	1.83679E-06	0.07644	3.72373E-06	0.00014
594343.4	4129398.15	3120.47854	0.00014	0.03714	1.81480E-06	0.08218	4.00335E-06	0.00014
594391.21	4129398.15	3062.53181	0.00013	0.03648	1.78255E-06	0.08839	4.30587E-06	0.00014
594439.02	4129398.15	2990.52245	0.00013	0.03549	1.73418E-06	0.09514	4.63469E-06	0.00014
594486.83	4129398.15	2896.17219	0.00013	0.03430	1.67603E-06	0.10253	4.99469E-06	0.00013
594534.64	4129398.15	2772.22801	0.00012	0.03319	1.62179E-06	0.11063	5.38928E-06	0.00013
594582.45	4129398.15	2622.96093	0.00011	0.03256	1.59101E-06	0.11951	5.82186E-06	0.00012
594630.26	4129398.15	2478.42565	0.00011	0.03274	1.59980E-06	0.12926	6.29683E-06	0.00012
593913.11	4129432.41	2561.58837	0.00011	0.03712	1.81383E-06	0.04320	2.10446E-06	0.00012
593960.92	4129432.41	2665.18662	0.00012	0.03688	1.80210E-06	0.04625	2.25304E-06	0.00012
594008.73	4129432.41	2758.14131	0.00012	0.03664	1.79037E-06	0.04953	2.41283E-06	0.00012
594056.54	4129432.41	2834.28901	0.00012	0.03638	1.77767E-06	0.05307	2.58528E-06	0.00013
594104.35	4129432.41	2889.27554	0.00013	0.03611	1.76447E-06	0.05688	2.77088E-06	0.00013
594152.16	4129432.41	2920.98242	0.00013	0.03592	1.75519E-06	0.06096	2.96963E-06	0.00013
594199.97	4129432.41	2927.9826	0.00013	0.03575	1.74688E-06	0.06533	3.18251E-06	0.00013
594247.78	4129432.41	2912.20412	0.00013	0.03558	1.73858E-06	0.07001	3.41050E-06	0.00013
594295.59	4129432.41	2878.44793	0.00013	0.03532	1.72587E-06	0.07501	3.65407E-06	0.00013
594343.4	4129432.41	2833.16773	0.00012	0.03492	1.70633E-06	0.08039	3.91615E-06	0.00013
594391.21	4129432.41	2777.68373	0.00012	0.03423	1.67261E-06	0.08619	4.19870E-06	0.00013
594439.02	4129432.41	2710.36066	0.00012	0.03328	1.62619E-06	0.09249	4.50560E-06	0.00012



594486.83	4129432.41	2622.77144	0.00011	0.03217	1.57195E-06	0.09937	4.84075E-06	0.00012
594534.64	4129432.41	2507.0008	0.00011	0.03118	1.52358E-06	0.10689	5.20709E-06	0.00012
594582.45	4129432.41	2371.93398	0.00010	0.03066	1.49817E-06	0.11509	5.60655E-06	0.00011
594630.26	4129432.41	2244.86631	0.00010	0.03087	1.50843E-06	0.12406	6.04351E-06	0.00011
593913.11	4129466.67	2442.81842	0.00011	0.03508	1.71414E-06	0.04329	2.10885E-06	0.00011
593960.92	4129466.67	2526.01782	0.00011	0.03480	1.70046E-06	0.04624	2.25256E-06	0.00011
594008.73	4129466.67	2596.84074	0.00011	0.03452	1.68678E-06	0.04940	2.40649E-06	0.00012
594056.54	4129466.67	2650.6604	0.00012	0.03422	1.67212E-06	0.05279	2.57164E-06	0.00012
594104.35	4129466.67	2684.5211	0.00012	0.03398	1.66039E-06	0.05642	2.74847E-06	0.00012
594152.16	4129466.67	2697.2728	0.00012	0.03380	1.65160E-06	0.06029	2.93699E-06	0.00012
594199.97	4129466.67	2689.52079	0.00012	0.03367	1.64525E-06	0.06442	3.13818E-06	0.00012
594247.78	4129466.67	2664.41613	0.00012	0.03353	1.63841E-06	0.06882	3.35253E-06	0.00012
594295.59	4129466.67	2627.13499	0.00011	0.03329	1.62668E-06	0.07352	3.58149E-06	0.00012
594343.4	4129466.67	2582.61901	0.00011	0.03287	1.60616E-06	0.07856	3.82701E-06	0.00012
594391.21	4129466.67	2531.16316	0.00011	0.03220	1.57342E-06	0.08399	4.09153E-06	0.00012
594439.02	4129466.67	2468.93545	0.00011	0.03130	1.52944E-06	0.08987	4.37797E-06	0.00011
594486.83	4129466.67	2386.32586	0.00010	0.03026	1.47862E-06	0.09627	4.68974E-06	0.00011
594534.64	4129466.67	2278.49181	0.00010	0.02937	1.43513E-06	0.10325	5.02977E-06	0.00011
594582.45	4129466.67	2155.90879	0.00009	0.02894	1.41412E-06	0.11082	5.39853E-06	0.00010
594630.26	4129466.67	2043.86383	0.00009	0.02917	1.42536E-06	0.11906	5.79994E-06	0.00010
594331.14	4128962.5	10756.5275	0.00047	0.11187	5.46640E-06	0.08454	4.11832E-06	0.00048
594357.05	4128962.5	11696.34847	0.00051	0.11295	5.51918E-06	0.09134	4.44958E-06	0.00052
594382.96	4128962.5	12703.20211	0.00055	0.11373	5.55729E-06	0.09884	4.81494E-06	0.00056
594408.87	4128962.5	13767.09477	0.00060	0.11417	5.57879E-06	0.10721	5.22268E-06	0.00061
594434.78	4128962.5	14873.43966	0.00065	0.11424	5.58221E-06	0.11645	5.67280E-06	0.00066
594460.69	4128962.5	15997.35705	0.00070	0.11391	5.56608E-06	0.12673	6.17358E-06	0.00071
594486.6	4128962.5	17102.81083	0.00075	0.11313	5.52797E-06	0.13815	6.72990E-06	0.00076
594331.14	4129004.55	9999.18611	0.00044	0.09806	4.79159E-06	0.08685	4.23085E-06	0.00045
594357.05	4129004.55	10706.43463	0.00047	0.09834	4.80527E-06	0.09342	4.55090E-06	0.00048
594382.96	4129004.55	11430.70746	0.00050	0.09837	4.80674E-06	0.10064	4.90262E-06	0.00051
594408.87	4129004.55	12161.59794	0.00053	0.09814	4.79550E-06	0.10848	5.28454E-06	0.00054
594434.78	4129004.55	12871.48049	0.00056	0.09768	4.77302E-06	0.11716	5.70738E-06	0.00057
594460.69	4129004.55	13538.46813	0.00059	0.09694	4.73686E-06	0.12666	6.17017E-06	0.00060
594486.6	4129004.55	14131.55259	0.00062	0.09590	4.68605E-06	0.13704	6.67583E-06	0.00063
594331.14	4129046.6	9088.17566	0.00040	0.08620	4.21207E-06	0.08831	4.30197E-06	0.00040
594357.05	4129046.6	9587.92969	0.00042	0.08603	4.20376E-06	0.09456	4.60644E-06	0.00043
594382.96	4129046.6	10076.53702	0.00044	0.08569	4.18715E-06	0.10130	4.93477E-06	0.00045
594408.87	4129046.6	10534.37744	0.00046	0.08519	4.16271E-06	0.10867	5.29380E-06	0.00047
594434.78	4129046.6	10949.16801	0.00048	0.08452	4.12998E-06	0.11663	5.68157E-06	0.00049
594460.69	4129046.6	11301.60731	0.00049	0.08367	4.08844E-06	0.12526	6.10197E-06	0.00050
594486.6	4129046.6	11574.10466	0.00050	0.08260	4.03616E-06	0.13455	6.55453E-06	0.00052
594331.14	4129088.65	8128.57624	0.00035	0.07617	3.72196E-06	0.08902	4.33656E-06	0.00036
594357.05	4129088.65	8461.06336	0.00037	0.07580	3.70388E-06	0.09484	4.62008E-06	0.00038
594382.96	4129088.65	8762.1723	0.00038	0.07531	3.67994E-06	0.10114	4.92698E-06	0.00039
594408.87	4129088.65	9023.59971	0.00039	0.07472	3.65111E-06	0.10792	5.25726E-06	0.00040
594434.78	4129088.65	9236.5497	0.00040	0.07402	3.61690E-06	0.11517	5.61044E-06	0.00041
594460.69	4129088.65	9390.17347	0.00041	0.07316	3.57488E-06	0.12296	5.98993E-06	0.00042
594486.6	4129088.65	9477.97718	0.00041	0.07212	3.52406E-06	0.13129	6.39572E-06	0.00042
594331.14	4129130.7	7190.33109	0.00031	0.06774	3.31004E-06	0.08911	4.34094E-06	0.00032
594357.05	4129130.7	7391.18408	0.00032	0.06730	3.28854E-06	0.09455	4.60595E-06	0.00033
594382.96	4129130.7	7558.82749	0.00033	0.06679	3.26362E-06	0.10036	4.88898E-06	0.00034
594408.87	4129130.7	7687.45303	0.00034	0.06619	3.23430E-06	0.10655	5.19052E-06	0.00034
594434.78	4129130.7	7774.89251	0.00034	0.06551	3.20107E-06	0.11312	5.51058E-06	0.00035
594460.69	4129130.7	7814.39426	0.00034	0.06468	3.16052E-06	0.12014	5.85255E-06	0.00035
594486.6	4129130.7	7805.20078	0.00034	0.06368	3.11165E-06	0.12763	6.21742E-06	0.00035
595047.1	4127721.65	1204.3118	0.00005	0.25974	1.26919E-05	0.01305	6.35723E-07	0.00007
595080.55	4127721.65	1313.14356	0.00006	0.25017	1.22243E-05	0.01382	6.73234E-07	0.00007
595047.1	4127745.31	1303.88273	0.00006	0.27822	1.35949E-05	0.01374	6.69336E-07	0.00007
595080.55	4127745.31	1417.93573	0.00006	0.26643	1.30188E-05	0.01450	7.06359E-07	0.00008
595047.1	4127768.97	1410.72275	0.00006	0.29747	1.45355E-05	0.01442	7.02462E-07	0.00008
595080.55	4127768.97	1534.334	0.00007	0.28303	1.38299E-05	0.01525	7.42895E-07	0.00008
595047.1	4127792.63	1531.44199	0.00007	0.31724	1.55016E-05	0.01518	7.39485E-07	0.00008
595080.55	4127792.63	1667.23955	0.00007	0.29973	1.46460E-05	0.01609	7.83815E-07	0.00009
595047.1	4127816.29	1668.40726	0.00007	0.33721	1.64774E-05	0.01605	7.81867E-07	0.00009
595080.55	4127816.29	1813.94437	0.00008	0.31620	1.54508E-05	0.01701	8.28633E-07	0.00010
595047.1	4127839.95	1818.1303	0.00008	0.35691	1.74400E-05	0.01694	8.25233E-07	0.00010
595080.55	4127839.95	1978.03313	0.00009	0.33199	1.62223E-05	0.01801	8.77347E-07	0.00010
595047.1	4127863.61	1986.25787	0.00009	0.37575	1.83606E-05	0.01792	8.72963E-07	0.00011
595080.55	4127863.61	2164.25203	0.00009	0.34660	1.69362E-05	0.01914	9.32394E-07	0.00011
595047.1	4127887.27	2180.53189	0.00010	0.39305	1.92059E-05	0.01904	9.27523E-07	0.00012
595080.55	4127887.27	2368.39745	0.00010	0.35946	1.75646E-05	0.02032	9.89878E-07	0.00012
595047.1	4127910.93	2397.32441	0.00010	0.40804	1.99384E-05	0.02028	9.87929E-07	0.00013
595080.55	4127910.93	2601.8667	0.00011	0.37013	1.80860E-05	0.02182	1.06295E-06	0.00013
595047.1	4127934.59	2642.63382	0.00012	0.42012	2.05287E-05	0.02163	1.05369E-06	0.00014
595080.55	4127934.59	2860.29851	0.00012	0.37825	1.84828E-05	0.02334	1.13700E-06	0.00014
595047.1	4127958.25	2918.94014	0.00013	0.42893	2.09592E-05	0.02333	1.13651E-06	0.00015
595080.55	4127958.25	3151.49857	0.00014	0.38376	1.87520E-05	0.02496	1.21591E-06	0.00016

595047.1	4127981.91	3230.75931	0.00014	0.43446	2.12294E-05	0.02499	1.21737E-06	0.00016
595080.55	4127981.91	3480.02718	0.00015	0.38686	1.89035E-05	0.02678	1.30457E-06	0.00017
595047.1	4128005.57	3585.19424	0.00016	0.43717	2.13618E-05	0.02684	1.30750E-06	0.00018
595080.55	4128005.57	3851.21343	0.00017	0.38798	1.89582E-05	0.02892	1.40882E-06	0.00019
595047.1	4128029.23	3988.82857	0.00017	0.43768	2.13867E-05	0.02899	1.41223E-06	0.00020
595080.55	4128029.23	4270.92812	0.00019	0.38756	1.89377E-05	0.03132	1.52574E-06	0.00021
595047.1	4128052.89	4449.15124	0.00019	0.43657	2.13325E-05	0.03151	1.53499E-06	0.00022
595080.55	4128052.89	4745.99388	0.00021	0.38603	1.88629E-05	0.03392	1.65239E-06	0.00023
594886.23	4127719.27	732.95751	0.00003	0.28756	1.40513E-05	0.01016	4.94939E-07	0.00005
594950.74	4127719.27	905.39004	0.00004	0.27979	1.36716E-05	0.01117	5.44140E-07	0.00005
594886.23	4127747.71	797.68447	0.00003	0.32384	1.58241E-05	0.01072	5.22219E-07	0.00005
594950.74	4127747.71	990.89209	0.00004	0.31045	1.51698E-05	0.01181	5.75318E-07	0.00006
594886.23	4127776.15	870.20768	0.00004	0.36520	1.78451E-05	0.01128	5.49499E-07	0.00006
594950.74	4127776.15	1087.27179	0.00005	0.34432	1.68248E-05	0.01248	6.07956E-07	0.00006
594886.23	4127804.59	955.05308	0.00004	0.41202	2.01329E-05	0.01194	5.81650E-07	0.00006
594950.74	4127804.59	1199.00869	0.00005	0.38140	1.86367E-05	0.01323	6.44492E-07	0.00007
594886.23	4127833.03	1051.2182	0.00005	0.46530	2.27364E-05	0.01263	6.15263E-07	0.00007
594950.74	4127833.03	1326.08826	0.00006	0.42169	2.06054E-05	0.01406	6.84925E-07	0.00008
594886.23	4127861.47	1163.64174	0.00005	0.52555	2.56804E-05	0.01341	6.53261E-07	0.00008
594950.74	4127861.47	1471.00302	0.00006	0.46469	2.27066E-05	0.01494	7.27794E-07	0.00009
594886.23	4127889.91	1290.60276	0.00006	0.59333	2.89924E-05	0.01424	6.93694E-07	0.00009
594950.74	4127889.91	1643.50625	0.00007	0.50914	2.48786E-05	0.01597	7.77970E-07	0.00010
594886.23	4127918.35	1440.53068	0.00006	0.66756	3.26196E-05	0.01519	7.39972E-07	0.00010
594950.74	4127918.35	1842.60656	0.00008	0.55279	2.70115E-05	0.01711	8.33504E-07	0.00011
594834.46	4127713.69	599.42186	0.00003	0.28127	1.37439E-05	0.00918	4.47199E-07	0.00004
594862.34	4127713.69	662.24207	0.00003	0.28184	1.37718E-05	0.00952	4.63762E-07	0.00004
594834.46	4127736.34	638.39268	0.00003	0.31171	1.52314E-05	0.00956	4.65710E-07	0.00004
594862.34	4127736.34	707.45587	0.00003	0.31088	1.51908E-05	0.00996	4.85196E-07	0.00005
594834.46	4127758.99	681.3002	0.00003	0.34605	1.69093E-05	0.00998	4.86170E-07	0.00005
594862.34	4127758.99	757.48546	0.00003	0.34333	1.67764E-05	0.01059	5.15886E-07	0.00005
594834.46	4127781.64	729.50679	0.00003	0.38474	1.87999E-05	0.01062	5.17347E-07	0.00005
594862.34	4127781.64	811.14164	0.00004	0.37979	1.85580E-05	0.01102	5.36833E-07	0.00005
594834.46	4127804.29	781.187	0.00003	0.42879	2.09523E-05	0.01106	5.38782E-07	0.00006
594862.34	4127804.29	872.63459	0.00004	0.42037	2.05409E-05	0.01153	5.61678E-07	0.00006
594834.46	4127826.94	840.56372	0.00004	0.47848	2.33804E-05	0.01158	5.64113E-07	0.00006
594862.34	4127826.94	940.11449	0.00004	0.46593	2.27671E-05	0.01205	5.87009E-07	0.00006
594834.46	4127849.59	905.74028	0.00004	0.53521	2.61524E-05	0.01210	5.89445E-07	0.00007
594862.34	4127849.59	1014.2069	0.00004	0.51715	2.52700E-05	0.01259	6.13315E-07	0.00007
594834.46	4127872.24	977.32135	0.00004	0.60021	2.93286E-05	0.01265	6.16238E-07	0.00007
594862.34	4127872.24	1097.14452	0.00005	0.57453	2.80738E-05	0.01318	6.42056E-07	0.00008
594834.46	4127894.89	1057.50765	0.00005	0.67464	3.29655E-05	0.01325	6.45466E-07	0.00008
594862.34	4127894.89	1193.70695	0.00005	0.63839	3.11942E-05	0.01385	6.74695E-07	0.00008
594834.46	4127917.54	1151.1834	0.00005	0.75950	3.71121E-05	0.01393	6.78592E-07	0.00009
594862.34	4127917.54	1301.14574	0.00006	0.70922	3.46552E-05	0.01458	7.10257E-07	0.00009
595026.39	4127722.45	1142.84781	0.00005	0.26595	1.29953E-05	0.01266	6.16725E-07	0.00006
595026.39	4127759.08	1289.7481	0.00006	0.29734	1.45292E-05	0.01363	6.63978E-07	0.00007
595026.39	4127795.71	1464.03341	0.00006	0.33090	1.61691E-05	0.01476	7.19025E-07	0.00008
595026.39	4127832.34	1670.18243	0.00007	0.36561	1.78651E-05	0.01602	7.80405E-07	0.00009
595026.39	4127868.97	1917.42714	0.00008	0.39953	1.95226E-05	0.01748	8.51528E-07	0.00010
595026.39	4127905.6	2218.5195	0.00010	0.42979	2.10012E-05	0.01918	9.34343E-07	0.00012
595026.39	4127942.23	2581.26466	0.00011	0.45310	2.21402E-05	0.02116	1.03080E-06	0.00014
595026.39	4127978.86	3024.00357	0.00013	0.46741	2.28395E-05	0.02348	1.14382E-06	0.00016
595026.39	4128015.49	3565.04646	0.00016	0.47322	2.31234E-05	0.02646	1.28898E-06	0.00018
595026.39	4128052.12	4229.31319	0.00018	0.47302	2.31136E-05	0.02983	1.45315E-06	0.00021
594967.92	4128313.02	16541.43183	0.00072	0.53498	2.61412E-05	0.08094	3.94295E-06	0.00075
594989.44	4128313.02	16854.84939	0.00074	0.48047	2.34776E-05	0.08633	4.20552E-06	0.00076
595010.96	4128313.02	17025.58736	0.00074	0.43373	2.11937E-05	0.09160	4.46224E-06	0.00077
595032.48	4128313.02	17066.0073	0.00074	0.39322	1.92143E-05	0.09659	4.70533E-06	0.00077
595054	4128313.02	16990.30851	0.00074	0.35776	1.74815E-05	0.10117	4.92844E-06	0.00076
595075.52	4128313.02	16813.49288	0.00073	0.32649	1.59536E-05	0.10533	5.13109E-06	0.00075
594967.92	4128341.65	20102.8328	0.00088	0.51959	2.53892E-05	0.09620	4.68633E-06	0.00091
594989.44	4128341.65	20267.42794	0.00088	0.46610	2.27755E-05	0.10243	4.98982E-06	0.00091
595010.96	4128341.65	20261.44809	0.00088	0.42019	2.05321E-05	0.10838	5.27967E-06	0.00091
595032.48	4128341.65	20105.85178	0.00088	0.38037	1.85864E-05	0.11389	5.54809E-06	0.00090
595054	4128341.65	19822.2504	0.00086	0.34551	1.68830E-05	0.11884	5.78922E-06	0.00089
595075.52	4128341.65	19432.18478	0.00085	0.31479	1.53819E-05	0.12322	6.00259E-06	0.00087
594967.92	4128370.28	24513.55515	0.00107	0.50321	2.45888E-05	0.11569	5.63577E-06	0.00110
594989.44	4128370.28	24412.58535	0.00106	0.45082	2.20288E-05	0.12292	5.98798E-06	0.00109
595010.96	4128370.28	24117.51233	0.00105	0.40565	1.98216E-05	0.12954	6.31047E-06	0.00108
595032.48	4128370.28	23659.51281	0.00103	0.36627	1.78974E-05	0.13530	6.59106E-06	0.00106
595054	4128370.28	23072.67444	0.00101	0.33194	1.62199E-05	0.14051	6.84487E-06	0.00103
595075.52	4128370.28	22385.60466	0.00098	0.30183	1.47486E-05	0.14519	7.07285E-06	0.00100
594967.92	4128398.91	29921.98485	0.00131	0.48563	2.37298E-05	0.14086	6.86192E-06	0.00134
594989.44	4128398.91	29378.45114	0.00128	0.43390	2.12020E-05	0.14893	7.25504E-06	0.00131
595010.96	4128398.91	28637.15035	0.00125	0.38938	1.90266E-05	0.15614	7.60627E-06	0.00128
595032.48	4128398.91	27741.07095	0.00121	0.35072	1.71375E-05	0.16242	7.91220E-06	0.00124
595054	4128398.91	26729.61885	0.00117	0.31691	1.54855E-05	0.16773	8.17087E-06	0.00119

595075.52	4128398.91	25638.91294	0.00112	0.28728	1.40376E-05	0.17214	8.38570E-06	0.00114
594967.92	4128427.54	36442.06638	0.00159	0.46655	2.27974E-05	0.17554	8.55133E-06	0.00162
594989.44	4128427.54	35210.63185	0.00154	0.41460	2.02590E-05	0.18341	8.93472E-06	0.00157
595010.96	4128427.54	33815.69897	0.00148	0.37069	1.81134E-05	0.19087	9.29813E-06	0.00150
595032.48	4128427.54	32304.04015	0.00141	0.33259	1.62516E-05	0.19700	9.59675E-06	0.00144
595054	4128427.54	30724.25058	0.00134	0.29956	1.46377E-05	0.20193	9.83691E-06	0.00136
595075.52	4128427.54	29114.00551	0.00127	0.27079	1.32319E-05	0.20565	1.00181E-05	0.00129
595000.73	4128430.99	35205.57503	0.00154	0.38819	1.89685E-05	0.19233	9.36925E-06	0.00156
595032.09	4128430.99	32912.424	0.00144	0.33089	1.61686E-05	0.20173	9.82716E-06	0.00146
595063.45	4128430.99	30487.05172	0.00133	0.28428	1.38910E-05	0.20836	1.01501E-05	0.00135
595000.73	4128448.25	38907.37005	0.00170	0.37546	1.83464E-05	0.21995	1.07147E-05	0.00173
595032.09	4128448.25	35891.60055	0.00157	0.31856	1.55661E-05	0.22827	1.11200E-05	0.00159
595063.45	4128448.25	32848.31361	0.00143	0.27270	1.33252E-05	0.23390	1.13943E-05	0.00146
595000.73	4128465.51	42814.54276	0.00187	0.36143	1.76609E-05	0.25361	1.23545E-05	0.00190
595032.09	4128465.51	38966.57109	0.00170	0.30520	1.49133E-05	0.25918	1.26258E-05	0.00173
595063.45	4128465.51	35223.06874	0.00154	0.26033	1.27207E-05	0.26316	1.28197E-05	0.00156
595056.55	4128477.03	37709.55747	0.00164	0.26077	1.27422E-05	0.28426	1.38476E-05	0.00167
595097.42	4128477.03	32540.89955	0.00142	0.21417	1.04652E-05	0.28272	1.37725E-05	0.00144
595138.29	4128477.03	27935.99348	0.00122	0.17846	8.72025E-06	0.27763	1.35246E-05	0.00124
595056.55	4128506.38	41754.49939	0.00182	0.23755	1.16076E-05	0.35150	1.71231E-05	0.00185
595097.42	4128506.38	35119.54814	0.00153	0.19474	9.51575E-06	0.34023	1.65741E-05	0.00156
595138.29	4128506.38	29460.78009	0.00129	0.16208	7.91986E-06	0.32526	1.58449E-05	0.00131
595185.07	4128542.78	24098.20111	0.00105	0.11801	5.76643E-06	0.35917	1.74968E-05	0.00107
595200.24	4128542.78	22374.12096	0.00098	0.11159	5.45272E-06	0.34935	1.70184E-05	0.00100
595215.41	4128542.78	20783.01697	0.00091	0.10566	5.16296E-06	0.33992	1.65590E-05	0.00093
595230.58	4128542.78	19318.92178	0.00084	0.10028	4.90007E-06	0.33089	1.61191E-05	0.00086
595245.75	4128542.78	17972.54385	0.00078	0.09534	4.65868E-06	0.32239	1.57050E-05	0.00080
595260.92	4128542.78	16733.93174	0.00073	0.09079	4.43635E-06	0.31420	1.53061E-05	0.00075
595276.09	4128542.78	15594.51672	0.00068	0.08659	4.23112E-06	0.30639	1.49256E-05	0.00070
595291.26	4128542.78	14545.85546	0.00063	0.08271	4.04153E-06	0.29888	1.45598E-05	0.00065
595306.43	4128542.78	13580.11812	0.00059	0.07912	3.86611E-06	0.29156	1.42032E-05	0.00061
595321.6	4128542.78	12690.62415	0.00055	0.07577	3.70242E-06	0.28452	1.38602E-05	0.00057
595185.07	4128563.98	23622.66877	0.00103	0.10927	5.33936E-06	0.39103	1.90488E-05	0.00105
595200.24	4128563.98	21840.47853	0.00095	0.10371	5.06767E-06	0.37916	1.84706E-05	0.00098
595215.41	4128563.98	20198.0596	0.00088	0.09848	4.81212E-06	0.36771	1.79128E-05	0.00090
595230.58	4128563.98	18696.63614	0.00082	0.09352	4.56975E-06	0.35665	1.73740E-05	0.00084
595245.75	4128563.98	17326.28086	0.00076	0.08906	4.35182E-06	0.34636	1.68727E-05	0.00078
595260.92	4128563.98	16074.93778	0.00070	0.08494	4.15050E-06	0.33656	1.63953E-05	0.00072
595276.09	4128563.98	14931.91172	0.00065	0.08114	3.96482E-06	0.32730	1.59442E-05	0.00067
595291.26	4128563.98	13886.5965	0.00061	0.07757	3.79037E-06	0.31836	1.55087E-05	0.00063
595306.43	4128563.98	12930.42436	0.00056	0.07432	3.63156E-06	0.30992	1.50976E-05	0.00058
595321.6	4128563.98	12055.43104	0.00053	0.07133	3.48546E-06	0.30196	1.47098E-05	0.00054
595185.07	4128585.18	22758.27007	0.00099	0.10115	4.94258E-06	0.42368	2.06393E-05	0.00102
595200.24	4128585.18	20963.03566	0.00091	0.09631	4.70608E-06	0.40992	1.99690E-05	0.00094
595215.41	4128585.18	19314.43984	0.00084	0.09169	4.48033E-06	0.39643	1.93119E-05	0.00087
595230.58	4128585.18	17815.86469	0.00078	0.08740	4.27070E-06	0.38358	1.86859E-05	0.00080
595245.75	4128585.18	16455.63903	0.00072	0.08329	4.06987E-06	0.37114	1.80799E-05	0.00074
595260.92	4128585.18	15221.56636	0.00066	0.07953	3.88614E-06	0.35953	1.75143E-05	0.00069
595276.09	4128585.18	14101.78812	0.00062	0.07610	3.71854E-06	0.34877	1.69901E-05	0.00064
595291.26	4128585.18	13084.14242	0.00057	0.07291	3.56267E-06	0.33865	1.64971E-05	0.00059
595306.43	4128585.18	12158.65802	0.00053	0.06996	3.41852E-06	0.32903	1.60285E-05	0.00055
595321.6	4128585.18	11316.54041	0.00049	0.06725	3.28610E-06	0.31999	1.55881E-05	0.00051
595185.07	4128606.38	21488.6272	0.00094	0.09348	4.56780E-06	0.45680	2.22528E-05	0.00096
595200.24	4128606.38	19727.39454	0.00086	0.08927	4.36208E-06	0.44114	2.14899E-05	0.00089
595215.41	4128606.38	18130.16873	0.00079	0.08527	4.16662E-06	0.42605	2.07548E-05	0.00082
595230.58	4128606.38	16689.0506	0.00073	0.08155	3.98485E-06	0.41162	2.00518E-05	0.00075
595245.75	4128606.38	15386.342	0.00067	0.07808	3.81529E-06	0.39759	1.93684E-05	0.00069

# 1410 South Bascom Avenue Project

2021

Tier IV Interim Mitigated Construction at Sensitive Receptors

## Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec):	6.06104E-08
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec):	5.32973E-05
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec):	5.31343E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00020	0.05879	3.13335E-06	0.03891	2.06745E-06	0.00021
593960.92	4129158.33	3639.06634	0.00022	0.05999	3.19730E-06	0.04232	2.24864E-06	0.00023
594008.73	4129158.33	3982.44153	0.00024	0.06107	3.25486E-06	0.04616	2.45268E-06	0.00025
594056.54	4129158.33	4355.83729	0.00026	0.06204	3.30656E-06	0.05049	2.68275E-06	0.00027
594104.35	4129158.33	4754.1984	0.00029	0.06287	3.35080E-06	0.05540	2.94364E-06	0.00029
594152.16	4129158.33	5171.19628	0.00031	0.06352	3.38544E-06	0.06096	3.23907E-06	0.00032
594199.97	4129158.33	5594.53203	0.00034	0.06388	3.40463E-06	0.06725	3.57328E-06	0.00035
594247.78	4129158.33	6004.09246	0.00036	0.06386	3.40356E-06	0.07437	3.95160E-06	0.00037
594295.59	4129158.33	6373.51698	0.00039	0.06345	3.38171E-06	0.08239	4.37773E-06	0.00039
594343.4	4129158.33	6674.07426	0.00040	0.06275	3.34440E-06	0.09131	4.85169E-06	0.00041
594391.21	4129158.33	6873.62872	0.00042	0.06185	3.29644E-06	0.10136	5.38569E-06	0.00043
594439.02	4129158.33	6951.56549	0.00042	0.06065	3.23248E-06	0.11262	5.98398E-06	0.00043
594486.83	4129158.33	6904.49051	0.00042	0.05898	3.14347E-06	0.12517	6.65082E-06	0.00043
594534.64	4129158.33	6727.25386	0.00041	0.05686	3.03048E-06	0.13927	7.40001E-06	0.00042
594582.45	4129158.33	6415.33047	0.00039	0.05494	2.92815E-06	0.15543	8.25866E-06	0.00040
594630.26	4129158.33	6008.16583	0.00036	0.05443	2.90097E-06	0.17405	9.24802E-06	0.00038
593913.11	4129192.59	3270.19406	0.00020	0.05557	2.96173E-06	0.03989	2.11953E-06	0.00020
593960.92	4129192.59	3555.71462	0.00022	0.05649	3.01076E-06	0.04330	2.30071E-06	0.00022
594008.73	4129192.59	3863.7514	0.00023	0.05727	3.05233E-06	0.04710	2.50262E-06	0.00024
594056.54	4129192.59	4191.06421	0.00025	0.05791	3.08645E-06	0.05139	2.73057E-06	0.00026
594104.35	4129192.59	4533.29631	0.00027	0.05844	3.11469E-06	0.05623	2.98774E-06	0.00028
594152.16	4129192.59	4880.00864	0.00030	0.05879	3.13335E-06	0.06166	3.27626E-06	0.00030
594199.97	4129192.59	5217.3588	0.00032	0.05890	3.13921E-06	0.06775	3.59985E-06	0.00032
594247.78	4129192.59	5526.09506	0.00033	0.05871	3.12908E-06	0.07458	3.96275E-06	0.00034
594295.59	4129192.59	5783.66201	0.00035	0.05823	3.10350E-06	0.08220	4.36764E-06	0.00036
594343.4	4129192.59	5967.64393	0.00036	0.05754	3.06673E-06	0.09067	4.81768E-06	0.00037
594391.21	4129192.59	6063.44808	0.00037	0.05668	3.02089E-06	0.10005	5.31608E-06	0.00038
594439.02	4129192.59	6063.30313	0.00037	0.05553	2.95960E-06	0.11042	5.86709E-06	0.00038
594486.83	4129192.59	5968.23517	0.00036	0.05391	2.87326E-06	0.12199	6.48185E-06	0.00037
594534.64	4129192.59	5779.52334	0.00035	0.05194	2.76826E-06	0.13496	7.17100E-06	0.00036
594582.45	4129192.59	5495.75797	0.00033	0.05029	2.68032E-06	0.14963	7.95048E-06	0.00034
594630.26	4129192.59	5152.86778	0.00031	0.04996	2.66273E-06	0.16629	8.83570E-06	0.00032
593913.11	4129226.85	3196.35742	0.00019	0.05249	2.79757E-06	0.04073	2.16416E-06	0.00020
593960.92	4129226.85	3454.53449	0.00021	0.05317	2.83382E-06	0.04413	2.34482E-06	0.00021
594008.73	4129226.85	3726.98995	0.00023	0.05368	2.86100E-06	0.04787	2.54354E-06	0.00023
594056.54	4129226.85	4010.32013	0.00024	0.05400	2.87805E-06	0.05210	2.76830E-06	0.00025
594104.35	4129226.85	4298.33572	0.00026	0.05428	2.89298E-06	0.05684	3.02015E-06	0.00027
594152.16	4129226.85	4579.67319	0.00028	0.05442	2.90044E-06	0.06212	3.30070E-06	0.00028
594199.97	4129226.85	4840.4703	0.00029	0.05437	2.89777E-06	0.06800	3.61313E-06	0.00030
594247.78	4129226.85	5063.63373	0.00031	0.05409	2.88285E-06	0.07452	3.95957E-06	0.00031
594295.59	4129226.85	5231.96273	0.00032	0.05360	2.85673E-06	0.08174	4.34320E-06	0.00032
594343.4	4129226.85	5331.45972	0.00032	0.05294	2.82156E-06	0.08970	4.76614E-06	0.00033
594391.21	4129226.85	5357.84087	0.00032	0.05221	2.78265E-06	0.09845	5.23107E-06	0.00033
594439.02	4129226.85	5312.73141	0.00032	0.05109	2.72296E-06	0.10809	5.74328E-06	0.00033
594486.83	4129226.85	5198.54687	0.00032	0.04952	2.63928E-06	0.11878	6.31129E-06	0.00032
594534.64	4129226.85	5014.19751	0.00030	0.04770	2.54228E-06	0.13071	6.94518E-06	0.00031
594582.45	4129226.85	4758.88666	0.00029	0.04628	2.46660E-06	0.14412	7.65771E-06	0.00030
594630.26	4129226.85	4464.94665	0.00027	0.04609	2.45647E-06	0.15928	8.46323E-06	0.00028
593913.11	4129261.11	3108.59307	0.00019	0.04951	2.63875E-06	0.04137	2.19816E-06	0.00019
593960.92	4129261.11	3338.75679	0.00020	0.04996	2.66273E-06	0.04475	2.37776E-06	0.00021
594008.73	4129261.11	3577.63236	0.00022	0.05028	2.67979E-06	0.04849	2.57648E-06	0.00022
594056.54	4129261.11	3819.32836	0.00023	0.05044	2.68831E-06	0.05264	2.79699E-06	0.00024
594104.35	4129261.11	4055.99067	0.00025	0.05053	2.69311E-06	0.05726	3.04247E-06	0.00025
594152.16	4129261.11	4278.26507	0.00026	0.05051	2.69205E-06	0.06237	3.31398E-06	0.00027
594199.97	4129261.11	4472.72286	0.00027	0.05036	2.68405E-06	0.06801	3.61366E-06	0.00028
594247.78	4129261.11	4625.61491	0.00028	0.05004	2.66700E-06	0.07422	3.94363E-06	0.00029
594295.59	4129261.11	4725.17221	0.00029	0.04958	2.64248E-06	0.08103	4.30547E-06	0.00029
594343.4	4129261.11	4765.32585	0.00029	0.04898	2.61050E-06	0.08850	4.70238E-06	0.00030
594391.21	4129261.11	4748.49589	0.00029	0.04821	2.56946E-06	0.09665	5.13543E-06	0.00030
594439.02	4129261.11	4680.08371	0.00028	0.04719	2.51510E-06	0.10561	5.61151E-06	0.00029
594486.83	4129261.11	4562.2956	0.00028	0.04569	2.43515E-06	0.11555	6.13967E-06	0.00029
594534.64	4129261.11	4390.15529	0.00027	0.04402	2.34615E-06	0.12654	6.72361E-06	0.00028
594582.45	4129261.11	4161.01157	0.00025	0.04279	2.28059E-06	0.13885	7.37769E-06	0.00026

594630.26	4129261.11	3907.88439	0.00024	0.04272	2.27686E-06	0.15267	8.11201E-06	0.00025
593913.11	4129295.37	3010.96052	0.00018	0.04670	2.48898E-06	0.04195	2.22898E-06	0.00019
593960.92	4129295.37	3213.77375	0.00019	0.04697	2.50337E-06	0.04528	2.40592E-06	0.00020
594008.73	4129295.37	3419.17377	0.00021	0.04711	2.51083E-06	0.04896	2.60145E-06	0.00021
594056.54	4129295.37	3621.2328	0.00022	0.04714	2.51243E-06	0.05302	2.81718E-06	0.00022
594104.35	4129295.37	3812.02748	0.00023	0.04707	2.50870E-06	0.05749	3.05469E-06	0.00024
594152.16	4129295.37	3982.19231	0.00024	0.04695	2.50231E-06	0.06241	3.31611E-06	0.00025
594199.97	4129295.37	4120.70662	0.00025	0.04675	2.49165E-06	0.06780	3.60250E-06	0.00026
594247.78	4129295.37	4217.62612	0.00026	0.04644	2.47513E-06	0.07369	3.91546E-06	0.00026
594295.59	4129295.37	4266.54886	0.00026	0.04602	2.45274E-06	0.08011	4.25659E-06	0.00027
594343.4	4129295.37	4267.09931	0.00026	0.04547	2.42343E-06	0.08711	4.62853E-06	0.00027
594391.21	4129295.37	4225.56372	0.00026	0.04476	2.38559E-06	0.09472	5.03288E-06	0.00026
594439.02	4129295.37	4147.26724	0.00025	0.04372	2.33016E-06	0.10305	5.47549E-06	0.00026
594486.83	4129295.37	4032.65954	0.00024	0.04231	2.25501E-06	0.11224	5.96379E-06	0.00025
594534.64	4129295.37	3873.56733	0.00023	0.04079	2.17400E-06	0.12243	6.50523E-06	0.00024
594582.45	4129295.37	3668.65647	0.00022	0.03974	2.11803E-06	0.13374	7.10618E-06	0.00023
594630.26	4129295.37	3451.22474	0.00021	0.03976	2.11910E-06	0.14635	7.77620E-06	0.00022
593913.11	4129329.63	2905.61573	0.00018	0.04408	2.34934E-06	0.04242	2.25396E-06	0.00018
593960.92	4129329.63	3081.42339	0.00019	0.04420	2.35574E-06	0.04569	2.42771E-06	0.00019
594008.73	4129329.63	3255.30194	0.00020	0.04417	2.35414E-06	0.04929	2.61899E-06	0.00020
594056.54	4129329.63	3420.98604	0.00021	0.04408	2.34934E-06	0.05324	2.82887E-06	0.00021
594104.35	4129329.63	3570.71664	0.00022	0.04394	2.34188E-06	0.05755	3.05788E-06	0.00022
594152.16	4129329.63	3695.11204	0.00022	0.04376	2.33229E-06	0.06227	3.30867E-06	0.00023
594199.97	4129329.63	3787.66027	0.00023	0.04354	2.32056E-06	0.06741	3.58178E-06	0.00024
594247.78	4129329.63	3841.94439	0.00023	0.04326	2.30564E-06	0.07298	3.87774E-06	0.00024
594295.59	4129329.63	3855.72439	0.00023	0.04290	2.28645E-06	0.07902	4.19867E-06	0.00024
594343.4	4129329.63	3831.60712	0.00023	0.04239	2.25927E-06	0.08557	4.54670E-06	0.00024
594391.21	4129329.63	3776.7637	0.00023	0.04166	2.22036E-06	0.09268	4.92448E-06	0.00024
594439.02	4129329.63	3697.76168	0.00022	0.04066	2.16707E-06	0.10044	5.33681E-06	0.00023
594486.83	4129329.63	3589.50583	0.00022	0.03933	2.09618E-06	0.10898	5.79057E-06	0.00023
594534.64	4129329.63	3443.27012	0.00021	0.03794	2.02210E-06	0.11840	6.29110E-06	0.00022
594582.45	4129329.63	3259.89454	0.00020	0.03706	1.97520E-06	0.12883	6.84529E-06	0.00021
594630.26	4129329.63	3070.55961	0.00019	0.03714	1.97946E-06	0.14040	7.46005E-06	0.00020
593913.11	4129363.89	2794.24888	0.00017	0.04161	2.21770E-06	0.04278	2.27308E-06	0.00017
593960.92	4129363.89	2944.73706	0.00018	0.04157	2.21557E-06	0.04599	2.44365E-06	0.00018
594008.73	4129363.89	3088.82511	0.00019	0.04146	2.20970E-06	0.04949	2.62962E-06	0.00019
594056.54	4129363.89	3220.72969	0.00020	0.04127	2.19958E-06	0.05331	2.83259E-06	0.00020
594104.35	4129363.89	3333.93858	0.00020	0.04107	2.18892E-06	0.05746	3.05310E-06	0.00021
594152.16	4129363.89	3421.32	0.00021	0.04087	2.17826E-06	0.06197	3.29273E-06	0.00021
594199.97	4129363.89	3477.31754	0.00021	0.04065	2.16653E-06	0.06684	3.55149E-06	0.00022
594247.78	4129363.89	3499.23104	0.00021	0.04041	2.15374E-06	0.07211	3.83151E-06	0.00022
594295.59	4129363.89	3488.52755	0.00021	0.04008	2.13615E-06	0.07779	4.13332E-06	0.00022
594343.4	4129363.89	3450.45043	0.00021	0.03960	2.11057E-06	0.08392	4.45903E-06	0.00022
594391.21	4129363.89	3393.04883	0.00021	0.03894	2.07540E-06	0.09056	4.81184E-06	0.00021
594439.02	4129363.89	3315.33438	0.00020	0.03792	2.02103E-06	0.09780	5.19653E-06	0.00021
594486.83	4129363.89	3215.0033	0.00019	0.03667	1.95441E-06	0.10573	5.61789E-06	0.00020
594534.64	4129363.89	3079.84599	0.00019	0.03543	1.88832E-06	0.11446	6.08175E-06	0.00019
594582.45	4129363.89	2914.79667	0.00018	0.03469	1.84888E-06	0.12409	6.59343E-06	0.00019
594630.26	4129363.89	2749.90437	0.00017	0.03483	1.85634E-06	0.13471	7.15772E-06	0.00018
593913.11	4129398.15	2679.16588	0.00016	0.03929	2.09405E-06	0.04304	2.28690E-06	0.00017
593960.92	4129398.15	2805.71598	0.00017	0.03916	2.08712E-06	0.04617	2.45321E-06	0.00017
594008.73	4129398.15	2922.43071	0.00018	0.03894	2.07540E-06	0.04957	2.63387E-06	0.00018
594056.54	4129398.15	3024.89769	0.00018	0.03872	2.06367E-06	0.05325	2.82940E-06	0.00019
594104.35	4129398.15	3106.84561	0.00019	0.03849	2.05141E-06	0.05723	3.04087E-06	0.00019
594152.16	4129398.15	3163.25502	0.00019	0.03828	2.04022E-06	0.06152	3.26882E-06	0.00020
594199.97	4129398.15	3191.13432	0.00019	0.03809	2.03009E-06	0.06614	3.51430E-06	0.00020
594247.78	4129398.15	3190.51454	0.00019	0.03788	2.01890E-06	0.07110	3.77785E-06	0.00020
594295.59	4129398.15	3164.98988	0.00019	0.03759	2.00344E-06	0.07644	4.06158E-06	0.00020
594343.4	4129398.15	3120.47854	0.00019	0.03714	1.97946E-06	0.08218	4.36657E-06	0.00020
594391.21	4129398.15	3062.53181	0.00019	0.03648	1.94428E-06	0.08839	4.69654E-06	0.00019
594439.02	4129398.15	2990.52245	0.00018	0.03549	1.89152E-06	0.09514	5.05519E-06	0.00019
594486.83	4129398.15	2896.17219	0.00018	0.03430	1.82810E-06	0.10253	5.44786E-06	0.00018
594534.64	4129398.15	2772.22801	0.00017	0.03319	1.76894E-06	0.11063	5.87824E-06	0.00018
594582.45	4129398.15	2622.96093	0.00016	0.03256	1.73536E-06	0.11951	6.35008E-06	0.00017
594630.26	4129398.15	2478.42565	0.00015	0.03274	1.74495E-06	0.12926	6.86814E-06	0.00016
593913.11	4129432.41	2561.58837	0.00016	0.03712	1.97839E-06	0.04320	2.29540E-06	0.00016
593960.92	4129432.41	2665.18662	0.00016	0.03688	1.96560E-06	0.04625	2.45746E-06	0.00017
594008.73	4129432.41	2758.14131	0.00017	0.03664	1.95281E-06	0.04953	2.63174E-06	0.00017
594056.54	4129432.41	2834.28901	0.00017	0.03638	1.93895E-06	0.05307	2.81984E-06	0.00018
594104.35	4129432.41	2889.27554	0.00018	0.03611	1.92456E-06	0.05688	3.02228E-06	0.00018
594152.16	4129432.41	2920.98242	0.00018	0.03592	1.91444E-06	0.06096	3.23907E-06	0.00018
594199.97	4129432.41	2927.9826	0.00018	0.03575	1.90538E-06	0.06533	3.47126E-06	0.00018
594247.78	4129432.41	2912.20412	0.00018	0.03558	1.89632E-06	0.07001	3.71993E-06	0.00018
594295.59	4129432.41	2878.44793	0.00017	0.03532	1.88246E-06	0.07501	3.98560E-06	0.00018
594343.4	4129432.41	2833.16773	0.00017	0.03492	1.86114E-06	0.08039	4.27146E-06	0.00018
594391.21	4129432.41	2777.68373	0.00017	0.03423	1.82437E-06	0.08619	4.57964E-06	0.00017
594439.02	4129432.41	2710.36066	0.00016	0.03328	1.77373E-06	0.09249	4.91439E-06	0.00017

594486.83	4129432.41	2622.77144	0.00016	0.03217	1.71457E-06	0.09937	5.27995E-06	0.00017
594534.64	4129432.41	2507.0008	0.00015	0.03118	1.66181E-06	0.10689	5.67952E-06	0.00016
594582.45	4129432.41	2371.93398	0.00014	0.03066	1.63409E-06	0.11509	6.11522E-06	0.00015
594630.26	4129432.41	2244.86631	0.00014	0.03087	1.64529E-06	0.12406	6.59184E-06	0.00014
593913.11	4129466.67	2442.81842	0.00015	0.03508	1.86967E-06	0.04329	2.30018E-06	0.00015
593960.92	4129466.67	2526.01782	0.00015	0.03480	1.85475E-06	0.04624	2.45693E-06	0.00016
594008.73	4129466.67	2596.84074	0.00016	0.03452	1.83982E-06	0.04940	2.62483E-06	0.00016
594056.54	4129466.67	2650.6604	0.00016	0.03422	1.82383E-06	0.05279	2.80496E-06	0.00017
594104.35	4129466.67	2684.5211	0.00016	0.03398	1.81104E-06	0.05642	2.99784E-06	0.00017
594152.16	4129466.67	2697.2728	0.00016	0.03380	1.80145E-06	0.06029	3.20347E-06	0.00017
594199.97	4129466.67	2689.52079	0.00016	0.03367	1.79452E-06	0.06442	3.42291E-06	0.00017
594247.78	4129466.67	2664.41613	0.00016	0.03353	1.78706E-06	0.06882	3.65670E-06	0.00017
594295.59	4129466.67	2627.13499	0.00016	0.03329	1.77427E-06	0.07352	3.90643E-06	0.00016
594343.4	4129466.67	2582.61901	0.00016	0.03287	1.75188E-06	0.07856	4.17423E-06	0.00016
594391.21	4129466.67	2531.16316	0.00015	0.03220	1.71617E-06	0.08399	4.46275E-06	0.00016
594439.02	4129466.67	2468.93545	0.00015	0.03130	1.66820E-06	0.08987	4.77518E-06	0.00016
594486.83	4129466.67	2386.32586	0.00014	0.03026	1.61278E-06	0.09627	5.11524E-06	0.00015
594534.64	4129466.67	2278.49181	0.00014	0.02937	1.56534E-06	0.10325	5.48611E-06	0.00015
594582.45	4129466.67	2155.90879	0.00013	0.02894	1.54242E-06	0.11082	5.88834E-06	0.00014
594630.26	4129466.67	2043.86383	0.00012	0.02917	1.55468E-06	0.11906	6.32617E-06	0.00013
594331.14	4128962.5	10756.5275	0.00065	0.11187	5.96237E-06	0.08454	4.49197E-06	0.00066
594357.05	4128962.5	11696.34847	0.00071	0.11295	6.01993E-06	0.09134	4.85328E-06	0.00072
594382.96	4128962.5	12703.20211	0.00077	0.11373	6.06150E-06	0.09884	5.25179E-06	0.00078
594408.87	4128962.5	13767.09477	0.00083	0.11417	6.08495E-06	0.10721	5.69653E-06	0.00085
594434.78	4128962.5	14873.43966	0.00090	0.11424	6.08868E-06	0.11645	6.18749E-06	0.00091
594460.69	4128962.5	15997.35705	0.00097	0.11391	6.07109E-06	0.12673	6.73371E-06	0.00098
594486.6	4128962.5	17102.81083	0.00104	0.11313	6.02952E-06	0.13815	7.34050E-06	0.00105
594331.14	4129004.55	9999.18611	0.00061	0.09806	5.22633E-06	0.08685	4.61471E-06	0.00062
594357.05	4129004.55	10706.43463	0.00065	0.09834	5.24125E-06	0.09342	4.96380E-06	0.00066
594382.96	4129004.55	11430.70746	0.00069	0.09837	5.24285E-06	0.10064	5.34743E-06	0.00070
594408.87	4129004.55	12161.59794	0.00074	0.09814	5.23059E-06	0.10848	5.76401E-06	0.00075
594434.78	4129004.55	12871.48049	0.00078	0.09768	5.20608E-06	0.11716	6.22521E-06	0.00079
594460.69	4129004.55	13538.46813	0.00082	0.09694	5.16664E-06	0.12666	6.72999E-06	0.00083
594486.6	4129004.55	14131.55259	0.00086	0.09590	5.11212E-06	0.13704	7.28152E-06	0.00087
594331.14	4129046.6	9088.17566	0.00055	0.08620	4.59422E-06	0.08831	4.69229E-06	0.00056
594357.05	4129046.6	9587.92969	0.00058	0.08603	4.58516E-06	0.09456	5.02438E-06	0.00059
594382.96	4129046.6	10076.53702	0.00061	0.08569	4.56704E-06	0.10130	5.38250E-06	0.00062
594408.87	4129046.6	10534.37744	0.00064	0.08519	4.54039E-06	0.10867	5.77410E-06	0.00065
594434.78	4129046.6	10949.16801	0.00066	0.08452	4.50469E-06	0.11663	6.19705E-06	0.00067
594460.69	4129046.6	11301.60731	0.00068	0.08367	4.45938E-06	0.12526	6.65560E-06	0.00070
594486.6	4129046.6	11574.10466	0.00070	0.08260	4.40235E-06	0.13455	7.14922E-06	0.00071
594331.14	4129088.65	8128.57624	0.00049	0.07617	4.05965E-06	0.08902	4.73001E-06	0.00050
594357.05	4129088.65	8461.06336	0.00051	0.07580	4.03993E-06	0.09484	5.03925E-06	0.00052
594382.96	4129088.65	8762.1723	0.00053	0.07531	4.01382E-06	0.10114	5.37400E-06	0.00054
594408.87	4129088.65	9023.59971	0.00055	0.07472	3.98237E-06	0.10792	5.73425E-06	0.00056
594434.78	4129088.65	9236.5497	0.00056	0.07402	3.94506E-06	0.11517	6.11947E-06	0.00057
594460.69	4129088.65	9390.17347	0.00057	0.07316	3.89923E-06	0.12296	6.53339E-06	0.00058
594486.6	4129088.65	9477.97718	0.00057	0.07212	3.84380E-06	0.13129	6.97600E-06	0.00059
594331.14	4129130.7	7190.33109	0.00044	0.06774	3.61036E-06	0.08911	4.73480E-06	0.00044
594357.05	4129130.7	7391.18408	0.00045	0.06730	3.58691E-06	0.09455	5.02385E-06	0.00046
594382.96	4129130.7	7558.82749	0.00046	0.06679	3.55972E-06	0.10036	5.33256E-06	0.00047
594408.87	4129130.7	7687.45303	0.00047	0.06619	3.52775E-06	0.10655	5.66146E-06	0.00048
594434.78	4129130.7	7774.89251	0.00047	0.06551	3.49150E-06	0.11312	6.01055E-06	0.00048
594460.69	4129130.7	7814.39426	0.00047	0.06468	3.44727E-06	0.12014	6.38355E-06	0.00048
594486.6	4129130.7	7805.20078	0.00047	0.06368	3.39397E-06	0.12763	6.78153E-06	0.00048
595047.1	4127721.65	1204.3118	0.00007	0.25974	1.38434E-05	0.01305	6.93402E-07	0.00009
595080.55	4127721.65	1313.14356	0.00008	0.25017	1.33334E-05	0.01382	7.34316E-07	0.00009
595047.1	4127745.31	1303.88273	0.00008	0.27822	1.48284E-05	0.01374	7.30065E-07	0.00009
595080.55	4127745.31	1417.93573	0.00009	0.26643	1.42000E-05	0.01450	7.70447E-07	0.00010
595047.1	4127768.97	1410.72275	0.00009	0.29747	1.58543E-05	0.01442	7.66196E-07	0.00010
595080.55	4127768.97	1534.334	0.00009	0.28303	1.50847E-05	0.01525	8.10298E-07	0.00011
595047.1	4127792.63	1531.44199	0.00009	0.31724	1.69080E-05	0.01518	8.06578E-07	0.00011
595080.55	4127792.63	1667.23955	0.00010	0.29973	1.59748E-05	0.01609	8.54930E-07	0.00012
595047.1	4127816.29	1668.40726	0.00010	0.33721	1.79724E-05	0.01605	8.52805E-07	0.00012
595080.55	4127816.29	1813.94437	0.00011	0.31620	1.68526E-05	0.01701	9.03814E-07	0.00013
595047.1	4127839.95	1818.1303	0.00011	0.35691	1.90223E-05	0.01694	9.00095E-07	0.00013
595080.55	4127839.95	1978.03313	0.00012	0.33199	1.76942E-05	0.01801	9.56948E-07	0.00014
595047.1	4127863.61	1986.25787	0.00012	0.37575	2.00265E-05	0.01792	9.52166E-07	0.00014
595080.55	4127863.61	2164.25203	0.00013	0.34660	1.84728E-05	0.01914	1.01699E-06	0.00015
595047.1	4127887.27	2180.53189	0.00013	0.39305	2.09485E-05	0.01904	1.01168E-06	0.00015
595080.55	4127887.27	2368.39745	0.00014	0.35946	1.91582E-05	0.02032	1.07969E-06	0.00016
595047.1	4127910.93	2397.32441	0.00015	0.40804	2.17474E-05	0.02028	1.07756E-06	0.00017
595080.55	4127910.93	2601.8667	0.00016	0.37013	1.97269E-05	0.02182	1.15939E-06	0.00018
595047.1	4127934.59	2642.63382	0.00016	0.42012	2.23913E-05	0.02163	1.14929E-06	0.00018
595080.55	4127934.59	2860.29851	0.00017	0.37825	2.01597E-05	0.02334	1.24015E-06	0.00019
595047.1	4127958.25	2918.94014	0.00018	0.42893	2.28608E-05	0.02333	1.23962E-06	0.00020
595080.55	4127958.25	3151.49857	0.00019	0.38376	2.04534E-05	0.02496	1.32623E-06	0.00021

595047.1	4127981.91	3230.75931	0.00020	0.43446	2.31555E-05	0.02499	1.32783E-06	0.00022
595080.55	4127981.91	3480.02718	0.00021	0.38686	2.06186E-05	0.02678	1.42294E-06	0.00023
595047.1	4128005.57	3585.19424	0.00022	0.43717	2.33000E-05	0.02684	1.42612E-06	0.00024
595080.55	4128005.57	3851.21343	0.00023	0.38798	2.06783E-05	0.02892	1.53664E-06	0.00026
595047.1	4128029.23	3988.82857	0.00024	0.43768	2.33272E-05	0.02899	1.54036E-06	0.00027
595080.55	4128029.23	4270.92812	0.00026	0.38756	2.06559E-05	0.03132	1.66417E-06	0.00028
595047.1	4128052.89	4449.15124	0.00027	0.43657	2.32680E-05	0.03151	1.67426E-06	0.00029
595080.55	4128052.89	4745.99388	0.00029	0.38603	2.05743E-05	0.03392	1.80231E-06	0.00031
594886.23	4127719.27	732.95751	0.00004	0.28756	1.53262E-05	0.01016	5.39844E-07	0.00006
594950.74	4127719.27	905.39004	0.00005	0.27979	1.49120E-05	0.01117	5.93510E-07	0.00007
594886.23	4127747.71	797.68447	0.00005	0.32384	1.72598E-05	0.01072	5.69599E-07	0.00007
594950.74	4127747.71	990.89209	0.00006	0.31045	1.65461E-05	0.01181	6.27516E-07	0.00008
594886.23	4127776.15	870.20768	0.00005	0.36520	1.94642E-05	0.01128	5.99355E-07	0.00007
594950.74	4127776.15	1087.27179	0.00007	0.34432	1.83513E-05	0.01248	6.63116E-07	0.00008
594886.23	4127804.59	955.05308	0.00006	0.41202	2.19595E-05	0.01194	6.34423E-07	0.00008
594950.74	4127804.59	1199.00869	0.00007	0.38140	2.03276E-05	0.01323	7.02966E-07	0.00009
594886.23	4127833.03	1051.2182	0.00006	0.46530	2.47992E-05	0.01263	6.71086E-07	0.00009
594950.74	4127833.03	1326.08826	0.00008	0.42169	2.24749E-05	0.01406	7.47068E-07	0.00010
594886.23	4127861.47	1163.64174	0.00007	0.52555	2.80104E-05	0.01341	7.12531E-07	0.00010
594950.74	4127861.47	1471.00302	0.00009	0.46469	2.47667E-05	0.01494	7.93826E-07	0.00011
594886.23	4127889.91	1290.60276	0.00008	0.59333	3.16229E-05	0.01424	7.56632E-07	0.00011
594950.74	4127889.91	1643.50625	0.00010	0.50914	2.71358E-05	0.01597	8.48554E-07	0.00013
594886.23	4127918.35	1440.53068	0.00009	0.66756	3.55791E-05	0.01519	8.07110E-07	0.00012
594950.74	4127918.35	1842.60656	0.00011	0.55279	2.94622E-05	0.01711	9.09127E-07	0.00014
594834.46	4127713.69	599.42186	0.00004	0.28127	1.49909E-05	0.00918	4.87773E-07	0.00005
594862.34	4127713.69	662.24207	0.00004	0.28184	1.50213E-05	0.00952	5.05838E-07	0.00006
594834.46	4127736.34	638.39268	0.00004	0.31171	1.66133E-05	0.00956	5.07964E-07	0.00006
594862.34	4127736.34	707.45587	0.00004	0.31088	1.65691E-05	0.00996	5.29217E-07	0.00006
594834.46	4127758.99	681.3002	0.00004	0.34605	1.84435E-05	0.00998	5.30280E-07	0.00006
594862.34	4127758.99	757.48546	0.00005	0.34333	1.82986E-05	0.01059	5.62692E-07	0.00006
594834.46	4127781.64	729.50679	0.00004	0.38474	2.05056E-05	0.01062	5.64286E-07	0.00007
594862.34	4127781.64	811.14164	0.00005	0.37979	2.02418E-05	0.01102	5.85540E-07	0.00007
594834.46	4127804.29	781.187	0.00005	0.42879	2.28533E-05	0.01106	5.87665E-07	0.00007
594862.34	4127804.29	872.63459	0.00005	0.42037	2.24046E-05	0.01153	6.12638E-07	0.00008
594834.46	4127826.94	840.56372	0.00005	0.47848	2.55017E-05	0.01158	6.15295E-07	0.00008
594862.34	4127826.94	940.11449	0.00006	0.46593	2.48328E-05	0.01205	6.40268E-07	0.00008
594834.46	4127849.59	905.74028	0.00005	0.53521	2.85252E-05	0.01210	6.42925E-07	0.00008
594862.34	4127849.59	1014.2069	0.00006	0.51715	2.75627E-05	0.01259	6.68961E-07	0.00009
594834.46	4127872.24	977.32135	0.00006	0.60021	3.19896E-05	0.01265	6.72149E-07	0.00009
594862.34	4127872.24	1097.14452	0.00007	0.57453	3.06209E-05	0.01318	7.00310E-07	0.00010
594834.46	4127894.89	1057.50765	0.00006	0.67464	3.59565E-05	0.01325	7.04029E-07	0.00010
594862.34	4127894.89	1193.70695	0.00007	0.63839	3.40244E-05	0.01385	7.35910E-07	0.00011
594834.46	4127917.54	1151.1834	0.00007	0.75950	4.04793E-05	0.01393	7.40160E-07	0.00011
594862.34	4127917.54	1301.14574	0.00008	0.70922	3.77995E-05	0.01458	7.74698E-07	0.00012
595026.39	4127722.45	1142.84781	0.00007	0.26595	1.41744E-05	0.01266	6.72680E-07	0.00008
595026.39	4127759.08	1289.7481	0.00008	0.29734	1.58474E-05	0.01363	7.24220E-07	0.00009
595026.39	4127795.71	1464.03341	0.00009	0.33090	1.76361E-05	0.01476	7.84262E-07	0.00011
595026.39	4127832.34	1670.18243	0.00010	0.36561	1.94860E-05	0.01602	8.51211E-07	0.00012
595026.39	4127868.97	1917.42714	0.00012	0.39953	2.12939E-05	0.01748	9.28787E-07	0.00014
595026.39	4127905.6	2218.5195	0.00013	0.42979	2.29066E-05	0.01918	1.01912E-06	0.00016
595026.39	4127942.23	2581.26466	0.00016	0.45310	2.41490E-05	0.02116	1.12432E-06	0.00018
595026.39	4127978.86	3024.00357	0.00018	0.46741	2.49117E-05	0.02348	1.24759E-06	0.00021
595026.39	4128015.49	3565.04646	0.00022	0.47322	2.52213E-05	0.02646	1.40593E-06	0.00024
595026.39	4128052.12	4229.31319	0.00026	0.47302	2.52107E-05	0.02983	1.58500E-06	0.00028
594967.92	4128313.02	16541.43183	0.00100	0.53498	2.85130E-05	0.08094	4.30069E-06	0.00104
594989.44	4128313.02	16854.84939	0.00102	0.48047	2.56077E-05	0.08633	4.58708E-06	0.00105
595010.96	4128313.02	17025.58736	0.00103	0.43373	2.31166E-05	0.09160	4.86710E-06	0.00106
595032.48	4128313.02	17066.0073	0.00103	0.39322	2.09576E-05	0.09659	5.13224E-06	0.00106
595054	4128313.02	16990.30851	0.00103	0.35776	1.90676E-05	0.10117	5.37559E-06	0.00105
595075.52	4128313.02	16813.49288	0.00102	0.32649	1.74010E-05	0.10533	5.59663E-06	0.00104
594967.92	4128341.65	20102.8328	0.00122	0.51959	2.76927E-05	0.09620	5.11152E-06	0.00125
594989.44	4128341.65	20267.42794	0.00123	0.46610	2.48419E-05	0.10243	5.44254E-06	0.00126
595010.96	4128341.65	20261.44809	0.00123	0.42019	2.23950E-05	0.10838	5.75869E-06	0.00126
595032.48	4128341.65	20105.85178	0.00122	0.38037	2.02727E-05	0.11389	6.05146E-06	0.00124
595054	4128341.65	19822.2504	0.00120	0.34551	1.84147E-05	0.11884	6.31448E-06	0.00123
595075.52	4128341.65	19432.18478	0.00118	0.31479	1.67774E-05	0.12322	6.54721E-06	0.00120
594967.92	4128370.28	24513.55515	0.00149	0.50321	2.68197E-05	0.11569	6.14710E-06	0.00152
594989.44	4128370.28	24412.58535	0.00148	0.45082	2.40275E-05	0.12292	6.53127E-06	0.00151
595010.96	4128370.28	24117.51233	0.00146	0.40565	2.16200E-05	0.12954	6.88301E-06	0.00149
595032.48	4128370.28	23659.51281	0.00143	0.36627	1.95212E-05	0.13530	7.18907E-06	0.00146
595054	4128370.28	23072.67444	0.00140	0.33194	1.76915E-05	0.14051	7.46590E-06	0.00142
595075.52	4128370.28	22385.60466	0.00136	0.30183	1.60867E-05	0.14519	7.71457E-06	0.00138
594967.92	4128398.91	29921.98485	0.00181	0.48563	2.58828E-05	0.14086	7.48449E-06	0.00185
594989.44	4128398.91	29378.45114	0.00178	0.43390	2.31257E-05	0.14893	7.91329E-06	0.00181
595010.96	4128398.91	28637.15035	0.00174	0.38938	2.07529E-05	0.15614	8.29639E-06	0.00176
595032.48	4128398.91	27741.07095	0.00168	0.35072	1.86924E-05	0.16242	8.63007E-06	0.00171
595054	4128398.91	26729.61885	0.00162	0.31691	1.68904E-05	0.16773	8.91221E-06	0.00165

595075.52	4128398.91	25638.91294	0.00155	0.28728	1.53112E-05	0.17214	9.14653E-06	0.00158
594967.92	4128427.54	36442.06638	0.00221	0.46655	2.48658E-05	0.17554	9.32719E-06	0.00224
594989.44	4128427.54	35210.63185	0.00213	0.41460	2.20970E-05	0.18341	9.74536E-06	0.00217
595010.96	4128427.54	33815.69897	0.00205	0.37069	1.97568E-05	0.19087	1.01417E-05	0.00208
595032.48	4128427.54	32304.04015	0.00196	0.33259	1.77261E-05	0.19700	1.04675E-05	0.00199
595054	4128427.54	30724.25058	0.00186	0.29956	1.59657E-05	0.20193	1.07294E-05	0.00189
595075.52	4128427.54	29114.00551	0.00176	0.27079	1.44324E-05	0.20565	1.09271E-05	0.00179
595000.73	4128430.99	35205.57503	0.00213	0.38819	2.06895E-05	0.19233	1.02193E-05	0.00216
595032.09	4128430.99	32912.424	0.00199	0.33089	1.76355E-05	0.20173	1.07188E-05	0.00202
595063.45	4128430.99	30487.05172	0.00185	0.28428	1.51513E-05	0.20836	1.10711E-05	0.00187
595000.73	4128448.25	38907.37005	0.00236	0.37546	2.00110E-05	0.21995	1.16869E-05	0.00239
595032.09	4128448.25	35891.60055	0.00218	0.31856	1.69784E-05	0.22827	1.21290E-05	0.00220
595063.45	4128448.25	32848.31361	0.00199	0.27270	1.45342E-05	0.23390	1.24281E-05	0.00202
595000.73	4128465.51	42814.54276	0.00260	0.36143	1.92632E-05	0.25361	1.34754E-05	0.00263
595032.09	4128465.51	38966.57109	0.00236	0.30520	1.62663E-05	0.25918	1.37713E-05	0.00239
595063.45	4128465.51	35223.06874	0.00213	0.26033	1.38749E-05	0.26316	1.39828E-05	0.00216
595056.55	4128477.03	37709.55747	0.00229	0.26077	1.38983E-05	0.28426	1.51039E-05	0.00231
595097.42	4128477.03	32540.89955	0.00197	0.21417	1.14147E-05	0.28272	1.50221E-05	0.00200
595138.29	4128477.03	27935.99348	0.00169	0.17846	9.51143E-06	0.27763	1.47517E-05	0.00172
595056.55	4128506.38	41754.49939	0.00253	0.23755	1.26608E-05	0.35150	1.86767E-05	0.00256
595097.42	4128506.38	35119.54814	0.00213	0.19474	1.03791E-05	0.34023	1.80779E-05	0.00216
595138.29	4128506.38	29460.78009	0.00179	0.16208	8.63842E-06	0.32526	1.72825E-05	0.00181
595185.07	4128542.78	24098.20111	0.00146	0.11801	6.28961E-06	0.35917	1.90842E-05	0.00149
595200.24	4128542.78	22374.12096	0.00136	0.11159	5.94744E-06	0.34935	1.85625E-05	0.00138
595215.41	4128542.78	20783.01697	0.00126	0.10566	5.63139E-06	0.33992	1.80614E-05	0.00128
595230.58	4128542.78	19318.92178	0.00117	0.10028	5.34465E-06	0.33089	1.75816E-05	0.00119
595245.75	4128542.78	17972.54385	0.00109	0.09534	5.08136E-06	0.32239	1.71300E-05	0.00111
595260.92	4128542.78	16733.93174	0.00101	0.09079	4.83886E-06	0.31420	1.66948E-05	0.00104
595276.09	4128542.78	15594.51672	0.00095	0.08659	4.61501E-06	0.30639	1.62798E-05	0.00097
595291.26	4128542.78	14545.85546	0.00088	0.08271	4.40822E-06	0.29888	1.58808E-05	0.00090
595306.43	4128542.78	13580.11812	0.00082	0.07912	4.21688E-06	0.29156	1.54918E-05	0.00084
595321.6	4128542.78	12690.62415	0.00077	0.07577	4.03833E-06	0.28452	1.51178E-05	0.00079
595185.07	4128563.98	23622.66877	0.00143	0.10927	5.82379E-06	0.39103	2.07771E-05	0.00146
595200.24	4128563.98	21840.47853	0.00132	0.10371	5.52746E-06	0.37916	2.01464E-05	0.00135
595215.41	4128563.98	20198.0596	0.00122	0.09848	5.24872E-06	0.36771	1.95380E-05	0.00125
595230.58	4128563.98	18696.63614	0.00113	0.09352	4.98436E-06	0.35665	1.89503E-05	0.00116
595245.75	4128563.98	17326.28086	0.00105	0.08906	4.74666E-06	0.34636	1.84036E-05	0.00107
595260.92	4128563.98	16074.93778	0.00097	0.08494	4.52707E-06	0.33656	1.78829E-05	0.00100
595276.09	4128563.98	14931.91172	0.00091	0.08114	4.32454E-06	0.32730	1.73908E-05	0.00093
595291.26	4128563.98	13886.5965	0.00084	0.07757	4.13427E-06	0.31836	1.69158E-05	0.00086
595306.43	4128563.98	12930.42436	0.00078	0.07432	3.96105E-06	0.30992	1.64674E-05	0.00080
595321.6	4128563.98	12055.43104	0.00073	0.07133	3.80169E-06	0.30196	1.60444E-05	0.00075
595185.07	4128585.18	22758.27007	0.00138	0.10115	5.39102E-06	0.42368	2.25119E-05	0.00141
595200.24	4128585.18	20963.03566	0.00127	0.09631	5.13306E-06	0.40992	2.17808E-05	0.00130
595215.41	4128585.18	19314.43984	0.00117	0.09169	4.88683E-06	0.39643	2.10640E-05	0.00120
595230.58	4128585.18	17815.86469	0.00108	0.08740	4.65818E-06	0.38358	2.03812E-05	0.00110
595245.75	4128585.18	16455.63903	0.00100	0.08329	4.43913E-06	0.37114	1.97203E-05	0.00102
595260.92	4128585.18	15221.56636	0.00092	0.07953	4.23873E-06	0.35953	1.91034E-05	0.00095
595276.09	4128585.18	14101.78812	0.00085	0.07610	4.05592E-06	0.34877	1.85316E-05	0.00088
595291.26	4128585.18	13084.14242	0.00079	0.07291	3.88590E-06	0.33865	1.79939E-05	0.00081
595306.43	4128585.18	12158.65802	0.00074	0.06996	3.72868E-06	0.32903	1.74828E-05	0.00076
595321.6	4128585.18	11316.54041	0.00069	0.06725	3.58424E-06	0.31999	1.70024E-05	0.00071
595185.07	4128606.38	21488.6272	0.00130	0.09348	4.98223E-06	0.45680	2.42717E-05	0.00133
595200.24	4128606.38	19727.39454	0.00120	0.08927	4.75785E-06	0.44114	2.34397E-05	0.00122
595215.41	4128606.38	18130.16873	0.00110	0.08527	4.54466E-06	0.42605	2.26379E-05	0.00113
595230.58	4128606.38	16689.0506	0.00101	0.08155	4.34639E-06	0.41162	2.18711E-05	0.00104
595245.75	4128606.38	15386.342	0.00093	0.07808	4.16145E-06	0.39759	2.11257E-05	0.00096



# 1410 South Bascom Avenue Project

2022

Tier IV Interim Mitigated Construction at Sensitive Receptors

## Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate (grams/m2/sec):	5.26895E-08
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to CA-17 (grams/m2/sec):	4.51009E-05
Annual Average Offsite DPM Exhaust Emission Rate - Road Segment to I-280 (grams/m2/sec):	4.49630E-05

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total DPM (ug/m3)
		Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	Annual DPM Exhaust w/Unit Emissions (ug/m3)	Annual DPM Exhaust w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00018	0.05879	2.65148E-06	0.03891	1.74951E-06	0.00018
593960.92	4129158.33	3639.06634	0.00019	0.05999	2.70560E-06	0.04232	1.90283E-06	0.00020
594008.73	4129158.33	3982.44153	0.00021	0.06107	2.75431E-06	0.04616	2.07549E-06	0.00021
594056.54	4129158.33	4355.83729	0.00023	0.06204	2.79806E-06	0.05049	2.27018E-06	0.00023
594104.35	4129158.33	4754.1984	0.00025	0.06287	2.83549E-06	0.05540	2.49095E-06	0.00026
594152.16	4129158.33	5171.19628	0.00027	0.06352	2.86481E-06	0.06096	2.74094E-06	0.00028
594199.97	4129158.33	5594.53203	0.00029	0.06388	2.88105E-06	0.06725	3.02376E-06	0.00030
594247.78	4129158.33	6004.09246	0.00032	0.06386	2.88014E-06	0.07437	3.34390E-06	0.00032
594295.59	4129158.33	6373.51698	0.00034	0.06345	2.86165E-06	0.08239	3.70450E-06	0.00034
594343.4	4129158.33	6674.07426	0.00035	0.06275	2.83008E-06	0.09131	4.10557E-06	0.00036
594391.21	4129158.33	6873.62872	0.00036	0.06185	2.78949E-06	0.10136	4.55745E-06	0.00037
594439.02	4129158.33	6951.56549	0.00037	0.06065	2.73537E-06	0.11262	5.06373E-06	0.00037
594486.83	4129158.33	6904.49051	0.00036	0.05898	2.66005E-06	0.12517	5.62801E-06	0.00037
594534.64	4129158.33	6727.25386	0.00035	0.05686	2.56444E-06	0.13927	6.26199E-06	0.00036
594582.45	4129158.33	6415.33047	0.00034	0.05494	2.47784E-06	0.15543	6.98859E-06	0.00035
594630.26	4129158.33	6008.16583	0.00032	0.05443	2.45484E-06	0.17405	7.82580E-06	0.00033
593913.11	4129192.59	3270.19406	0.00017	0.05557	2.50626E-06	0.03989	1.79357E-06	0.00018
593960.92	4129192.59	3555.71462	0.00019	0.05649	2.54775E-06	0.04330	1.94690E-06	0.00019
594008.73	4129192.59	3863.7514	0.00020	0.05727	2.58293E-06	0.04710	2.11776E-06	0.00021
594056.54	4129192.59	4191.06421	0.00022	0.05791	2.61179E-06	0.05139	2.31065E-06	0.00023
594104.35	4129192.59	4533.29631	0.00024	0.05844	2.63570E-06	0.05623	2.52827E-06	0.00024
594152.16	4129192.59	4880.00864	0.00026	0.05879	2.65148E-06	0.06166	2.77242E-06	0.00026
594199.97	4129192.59	5217.3588	0.00027	0.05890	2.65644E-06	0.06775	3.04624E-06	0.00028
594247.78	4129192.59	5526.09506	0.00029	0.05871	2.64787E-06	0.07458	3.35334E-06	0.00030
594295.59	4129192.59	5783.66201	0.00030	0.05823	2.62623E-06	0.08220	3.69596E-06	0.00031
594343.4	4129192.59	5967.64393	0.00031	0.05754	2.59511E-06	0.09067	4.07679E-06	0.00032
594391.21	4129192.59	6063.44808	0.00032	0.05668	2.55632E-06	0.10005	4.49854E-06	0.00033
594439.02	4129192.59	6063.30313	0.00032	0.05553	2.50445E-06	0.11042	4.96481E-06	0.00033
594486.83	4129192.59	5968.23517	0.00031	0.05391	2.43139E-06	0.12199	5.48503E-06	0.00032
594534.64	4129192.59	5779.52334	0.00030	0.05194	2.34254E-06	0.13496	6.06820E-06	0.00031
594582.45	4129192.59	5495.75797	0.00029	0.05029	2.26812E-06	0.14963	6.72781E-06	0.00030
594630.26	4129192.59	5152.86778	0.00027	0.04996	2.25324E-06	0.16629	7.47689E-06	0.00028
593913.11	4129226.85	3196.35742	0.00017	0.05249	2.36735E-06	0.04073	1.83134E-06	0.00017
593960.92	4129226.85	3454.53449	0.00018	0.05317	2.39801E-06	0.04413	1.98422E-06	0.00019
594008.73	4129226.85	3726.98995	0.00020	0.05368	2.42102E-06	0.04787	2.15238E-06	0.00020
594056.54	4129226.85	4010.32013	0.00021	0.05400	2.43545E-06	0.05210	2.34257E-06	0.00022
594104.35	4129226.85	4298.33572	0.00023	0.05428	2.44808E-06	0.05684	2.55570E-06	0.00023
594152.16	4129226.85	4579.67319	0.00024	0.05442	2.45439E-06	0.06212	2.79310E-06	0.00025
594199.97	4129226.85	4840.4703	0.00026	0.05437	2.45214E-06	0.06800	3.05748E-06	0.00026
594247.78	4129226.85	5063.63373	0.00027	0.05409	2.43951E-06	0.07452	3.35064E-06	0.00027
594295.59	4129226.85	5231.96273	0.00028	0.05360	2.41741E-06	0.08174	3.67527E-06	0.00028
594343.4	4129226.85	5331.45972	0.00028	0.05294	2.38764E-06	0.08970	4.03318E-06	0.00029
594391.21	4129226.85	5357.84087	0.00028	0.05221	2.35472E-06	0.09845	4.42660E-06	0.00029
594439.02	4129226.85	5312.73141	0.00028	0.05109	2.30420E-06	0.10809	4.86005E-06	0.00029
594486.83	4129226.85	5198.54687	0.00027	0.04952	2.23340E-06	0.11878	5.34070E-06	0.00028
594534.64	4129226.85	5014.19751	0.00026	0.04770	2.15131E-06	0.13071	5.87711E-06	0.00027
594582.45	4129226.85	4758.88666	0.00025	0.04628	2.08727E-06	0.14412	6.48006E-06	0.00026
594630.26	4129226.85	4464.94665	0.00024	0.04609	2.07870E-06	0.15928	7.16170E-06	0.00024
593913.11	4129261.11	3108.59307	0.00016	0.04951	2.23295E-06	0.04137	1.86012E-06	0.00017
593960.92	4129261.11	3338.75679	0.00018	0.04996	2.25324E-06	0.04475	2.01209E-06	0.00018
594008.73	4129261.11	3577.63236	0.00019	0.05028	2.26767E-06	0.04849	2.18025E-06	0.00019
594056.54	4129261.11	3819.32836	0.00020	0.05044	2.27489E-06	0.05264	2.36685E-06	0.00021
594104.35	4129261.11	4055.99067	0.00021	0.05053	2.27895E-06	0.05726	2.57458E-06	0.00022
594152.16	4129261.11	4278.26507	0.00023	0.05051	2.27805E-06	0.06237	2.80434E-06	0.00023
594199.97	4129261.11	4472.72286	0.00024	0.05036	2.27128E-06	0.06801	3.05793E-06	0.00024
594247.78	4129261.11	4625.61491	0.00024	0.05004	2.25685E-06	0.07422	3.33715E-06	0.00025
594295.59	4129261.11	4725.17221	0.00025	0.04958	2.23610E-06	0.08103	3.64335E-06	0.00025
594343.4	4129261.11	4765.32585	0.00025	0.04898	2.20904E-06	0.08850	3.97922E-06	0.00026
594391.21	4129261.11	4748.49589	0.00025	0.04821	2.17431E-06	0.09665	4.34567E-06	0.00026
594439.02	4129261.11	4680.08371	0.00025	0.04719	2.12831E-06	0.10561	4.74854E-06	0.00025
594486.83	4129261.11	4562.2956	0.00024	0.04569	2.06066E-06	0.11555	5.19547E-06	0.00025
594534.64	4129261.11	4390.15529	0.00023	0.04402	1.98534E-06	0.12654	5.68961E-06	0.00024
594582.45	4129261.11	4161.01157	0.00022	0.04279	1.92987E-06	0.13885	6.24311E-06	0.00023

594630.26	4129261.11	3907.88439	0.00021	0.04272	1.92671E-06	0.15267	6.86450E-06	0.00021
593913.11	4129295.37	3010.96052	0.00016	0.04670	2.10621E-06	0.04195	1.88620E-06	0.00016
593960.92	4129295.37	3213.77375	0.00017	0.04697	2.11839E-06	0.04528	2.03592E-06	0.00017
594008.73	4129295.37	3419.17377	0.00018	0.04711	2.12470E-06	0.04896	2.20139E-06	0.00018
594056.54	4129295.37	3621.2328	0.00019	0.04714	2.12606E-06	0.05302	2.38394E-06	0.00020
594104.35	4129295.37	3812.02748	0.00020	0.04707	2.12290E-06	0.05749	2.58492E-06	0.00021
594152.16	4129295.37	3982.19231	0.00021	0.04695	2.11749E-06	0.06241	2.80614E-06	0.00021
594199.97	4129295.37	4120.70662	0.00022	0.04675	2.10847E-06	0.06780	3.04849E-06	0.00022
594247.78	4129295.37	4217.62612	0.00022	0.04644	2.09449E-06	0.07369	3.31332E-06	0.00023
594295.59	4129295.37	4266.54886	0.00022	0.04602	2.07554E-06	0.08011	3.60198E-06	0.00023
594343.4	4129295.37	4267.09931	0.00022	0.04547	2.05074E-06	0.08711	3.91672E-06	0.00023
594391.21	4129295.37	4225.56372	0.00022	0.04476	2.01872E-06	0.09472	4.25889E-06	0.00023
594439.02	4129295.37	4147.26724	0.00022	0.04372	1.97181E-06	0.10305	4.63343E-06	0.00023
594486.83	4129295.37	4032.65954	0.00021	0.04231	1.90822E-06	0.11224	5.04664E-06	0.00022
594534.64	4129295.37	3873.56733	0.00020	0.04079	1.83967E-06	0.12243	5.50482E-06	0.00021
594582.45	4129295.37	3668.65647	0.00019	0.03974	1.79231E-06	0.13374	6.01335E-06	0.00020
594630.26	4129295.37	3451.22474	0.00018	0.03976	1.79321E-06	0.14635	6.58033E-06	0.00019
593913.11	4129329.63	2905.61573	0.00015	0.04408	1.98805E-06	0.04242	1.90733E-06	0.00016
593960.92	4129329.63	3081.42339	0.00016	0.04420	1.99346E-06	0.04569	2.05436E-06	0.00017
594008.73	4129329.63	3255.30194	0.00017	0.04417	1.99211E-06	0.04929	2.21622E-06	0.00018
594056.54	4129329.63	3420.98604	0.00018	0.04408	1.98805E-06	0.05324	2.39383E-06	0.00018
594104.35	4129329.63	3570.71664	0.00019	0.04394	1.98173E-06	0.05755	2.58762E-06	0.00019
594152.16	4129329.63	3695.11204	0.00019	0.04376	1.97362E-06	0.06227	2.79984E-06	0.00020
594199.97	4129329.63	3787.66027	0.00020	0.04354	1.96369E-06	0.06741	3.03095E-06	0.00020
594247.78	4129329.63	3841.94439	0.00020	0.04326	1.95106E-06	0.07298	3.28140E-06	0.00021
594295.59	4129329.63	3855.72439	0.00020	0.04290	1.93483E-06	0.07902	3.55297E-06	0.00021
594343.4	4129329.63	3831.60712	0.00020	0.04239	1.91183E-06	0.08557	3.84748E-06	0.00021
594391.21	4129329.63	3776.7637	0.00020	0.04166	1.87890E-06	0.09268	4.16717E-06	0.00021
594439.02	4129329.63	3697.76168	0.00019	0.04066	1.83380E-06	0.10044	4.51608E-06	0.00020
594486.83	4129329.63	3589.50583	0.00019	0.03933	1.77382E-06	0.10898	4.90006E-06	0.00020
594534.64	4129329.63	3443.27012	0.00018	0.03794	1.71113E-06	0.11840	5.32362E-06	0.00019
594582.45	4129329.63	3259.89454	0.00017	0.03706	1.67144E-06	0.12883	5.79258E-06	0.00018
594630.26	4129329.63	3070.55961	0.00016	0.03714	1.67505E-06	0.14040	6.31280E-06	0.00017
593913.11	4129363.89	2794.24888	0.00015	0.04161	1.87665E-06	0.04278	1.92352E-06	0.00015
593960.92	4129363.89	2944.73706	0.00016	0.04157	1.87484E-06	0.04599	2.06785E-06	0.00016
594008.73	4129363.89	3088.82511	0.00016	0.04146	1.86988E-06	0.04949	2.22522E-06	0.00017
594056.54	4129363.89	3220.72969	0.00017	0.04127	1.86131E-06	0.05331	2.39698E-06	0.00017
594104.35	4129363.89	3333.93858	0.00018	0.04107	1.85229E-06	0.05746	2.58357E-06	0.00018
594152.16	4129363.89	3421.32	0.00018	0.04087	1.84327E-06	0.06197	2.78636E-06	0.00018
594199.97	4129363.89	3477.31754	0.00018	0.04065	1.83335E-06	0.06684	3.00532E-06	0.00019
594247.78	4129363.89	3499.23104	0.00018	0.04041	1.82253E-06	0.07211	3.24228E-06	0.00019
594295.59	4129363.89	3488.52755	0.00018	0.04008	1.80764E-06	0.07779	3.49767E-06	0.00019
594343.4	4129363.89	3450.45043	0.00018	0.03960	1.78600E-06	0.08392	3.77329E-06	0.00019
594391.21	4129363.89	3393.04883	0.00018	0.03894	1.75623E-06	0.09056	4.07185E-06	0.00018
594439.02	4129363.89	3315.33438	0.00017	0.03792	1.71023E-06	0.09780	4.39738E-06	0.00018
594486.83	4129363.89	3215.0033	0.00017	0.03667	1.65385E-06	0.10573	4.75393E-06	0.00018
594534.64	4129363.89	3079.84599	0.00016	0.03543	1.59792E-06	0.11446	5.14646E-06	0.00017
594582.45	4129363.89	2914.79667	0.00015	0.03469	1.56455E-06	0.12409	5.57945E-06	0.00016
594630.26	4129363.89	2749.90437	0.00014	0.03483	1.57086E-06	0.13471	6.05696E-06	0.00015
593913.11	4129398.15	2679.16588	0.00014	0.03929	1.77201E-06	0.04304	1.93521E-06	0.00014
593960.92	4129398.15	2805.71598	0.00015	0.03916	1.76615E-06	0.04617	2.07594E-06	0.00015
594008.73	4129398.15	2922.43071	0.00015	0.03894	1.75623E-06	0.04957	2.22881E-06	0.00016
594056.54	4129398.15	3024.89769	0.00016	0.03872	1.74631E-06	0.05325	2.39428E-06	0.00016
594104.35	4129398.15	3106.84561	0.00016	0.03849	1.73593E-06	0.05723	2.57323E-06	0.00017
594152.16	4129398.15	3163.25502	0.00017	0.03828	1.72646E-06	0.06152	2.76612E-06	0.00017
594199.97	4129398.15	3191.13432	0.00017	0.03809	1.71789E-06	0.06614	2.97385E-06	0.00017
594247.78	4129398.15	3190.51454	0.00017	0.03788	1.70842E-06	0.07110	3.19687E-06	0.00017
594295.59	4129398.15	3164.98988	0.00017	0.03759	1.69534E-06	0.07644	3.43697E-06	0.00017
594343.4	4129398.15	3120.47854	0.00016	0.03714	1.67505E-06	0.08218	3.69506E-06	0.00017
594391.21	4129398.15	3062.53181	0.00016	0.03648	1.64528E-06	0.08839	3.97428E-06	0.00017
594439.02	4129398.15	2990.52245	0.00016	0.03549	1.60063E-06	0.09514	4.27778E-06	0.00016
594486.83	4129398.15	2896.17219	0.00015	0.03430	1.54696E-06	0.10253	4.61005E-06	0.00016
594534.64	4129398.15	2772.22801	0.00015	0.03319	1.49690E-06	0.11063	4.97425E-06	0.00015
594582.45	4129398.15	2622.96093	0.00014	0.03256	1.46849E-06	0.11951	5.37352E-06	0.00015
594630.26	4129398.15	2478.42565	0.00013	0.03274	1.47660E-06	0.12926	5.81191E-06	0.00014
593913.11	4129432.41	2561.58837	0.00013	0.03712	1.67415E-06	0.04320	1.94240E-06	0.00014
593960.92	4129432.41	2665.18662	0.00014	0.03688	1.66332E-06	0.04625	2.07954E-06	0.00014
594008.73	4129432.41	2758.14131	0.00015	0.03664	1.65250E-06	0.04953	2.22702E-06	0.00015
594056.54	4129432.41	2834.28901	0.00015	0.03638	1.64077E-06	0.05307	2.38618E-06	0.00015
594104.35	4129432.41	2889.27554	0.00015	0.03611	1.62859E-06	0.05688	2.55749E-06	0.00016
594152.16	4129432.41	2920.98242	0.00015	0.03592	1.62002E-06	0.06096	2.74094E-06	0.00016
594199.97	4129432.41	2927.9826	0.00015	0.03575	1.61236E-06	0.06533	2.93743E-06	0.00016
594247.78	4129432.41	2912.20412	0.00015	0.03558	1.60469E-06	0.07001	3.14786E-06	0.00016
594295.59	4129432.41	2878.44793	0.00015	0.03532	1.59296E-06	0.07501	3.37267E-06	0.00016
594343.4	4129432.41	2833.16773	0.00015	0.03492	1.57492E-06	0.08039	3.61457E-06	0.00015
594391.21	4129432.41	2777.68373	0.00015	0.03423	1.54380E-06	0.08619	3.87536E-06	0.00015
594439.02	4129432.41	2710.36066	0.00014	0.03328	1.50096E-06	0.09249	4.15862E-06	0.00015

594486.83	4129432.41	2622.77144	0.00014	0.03217	1.45090E-06	0.09937	4.46797E-06	0.00014
594534.64	4129432.41	2507.0008	0.00013	0.03118	1.40625E-06	0.10689	4.80609E-06	0.00014
594582.45	4129432.41	2371.93398	0.00012	0.03066	1.38279E-06	0.11509	5.17479E-06	0.00013
594630.26	4129432.41	2244.86631	0.00012	0.03087	1.39226E-06	0.12406	5.57811E-06	0.00013
593913.11	4129466.67	2442.81842	0.00013	0.03508	1.58214E-06	0.04329	1.94645E-06	0.00013
593960.92	4129466.67	2526.01782	0.00013	0.03480	1.56951E-06	0.04624	2.07909E-06	0.00014
594008.73	4129466.67	2596.84074	0.00014	0.03452	1.55688E-06	0.04940	2.22117E-06	0.00014
594056.54	4129466.67	2650.6604	0.00014	0.03422	1.54335E-06	0.05279	2.37360E-06	0.00014
594104.35	4129466.67	2684.5211	0.00014	0.03398	1.53253E-06	0.05642	2.53681E-06	0.00015
594152.16	4129466.67	2697.7278	0.00014	0.03380	1.52441E-06	0.06029	2.71082E-06	0.00015
594199.97	4129466.67	2689.52079	0.00014	0.03367	1.51855E-06	0.06442	2.89651E-06	0.00015
594247.78	4129466.67	2664.41613	0.00014	0.03353	1.51223E-06	0.06882	3.09435E-06	0.00014
594295.59	4129466.67	2627.13499	0.00014	0.03329	1.50141E-06	0.07352	3.30568E-06	0.00014
594343.4	4129466.67	2582.61901	0.00014	0.03287	1.48247E-06	0.07856	3.53229E-06	0.00014
594391.21	4129466.67	2531.16316	0.00013	0.03220	1.45225E-06	0.08399	3.77644E-06	0.00014
594439.02	4129466.67	2468.93545	0.00013	0.03130	1.41166E-06	0.08987	4.04082E-06	0.00014
594486.83	4129466.67	2386.32586	0.00013	0.03026	1.36475E-06	0.09627	4.32858E-06	0.00013
594534.64	4129466.67	2278.49181	0.00012	0.02937	1.32461E-06	0.10325	4.64243E-06	0.00013
594582.45	4129466.67	2155.90879	0.00011	0.02894	1.30522E-06	0.11082	4.98280E-06	0.00012
594630.26	4129466.67	2043.86383	0.00011	0.02917	1.31559E-06	0.11906	5.35329E-06	0.00011
594331.14	4128962.5	10756.5275	0.00057	0.11187	5.04544E-06	0.08454	3.80117E-06	0.00058
594357.05	4128962.5	11696.34847	0.00062	0.11295	5.09415E-06	0.09134	4.10692E-06	0.00063
594382.96	4128962.5	12703.20211	0.00067	0.11373	5.12933E-06	0.09884	4.44414E-06	0.00068
594408.87	4128962.5	13767.09477	0.00073	0.11417	5.14917E-06	0.10721	4.82048E-06	0.00074
594434.78	4128962.5	14873.43966	0.00078	0.11424	5.15233E-06	0.11645	5.23594E-06	0.00079
594460.69	4128962.5	15997.35705	0.00084	0.11391	5.13744E-06	0.12673	5.69816E-06	0.00085
594486.6	4128962.5	17102.81083	0.00090	0.11313	5.10226E-06	0.13815	6.21163E-06	0.00091
594331.14	4129004.55	9999.18611	0.00053	0.09806	4.42259E-06	0.08685	3.90503E-06	0.00054
594357.05	4129004.55	10706.43463	0.00056	0.09834	4.43522E-06	0.09342	4.20044E-06	0.00057
594382.96	4129004.55	11430.70746	0.00060	0.09837	4.43658E-06	0.10064	4.52507E-06	0.00061
594408.87	4129004.55	12161.59794	0.00064	0.09814	4.42620E-06	0.10848	4.87758E-06	0.00065
594434.78	4129004.55	12871.48049	0.00068	0.09768	4.40546E-06	0.11716	5.26786E-06	0.00069
594460.69	4129004.55	13538.46813	0.00071	0.09694	4.37208E-06	0.12666	5.69501E-06	0.00072
594486.6	4129004.55	14131.55259	0.00074	0.09590	4.32518E-06	0.13704	6.16173E-06	0.00076
594331.14	4129046.6	9088.17566	0.00048	0.08620	3.88770E-06	0.08831	3.97068E-06	0.00049
594357.05	4129046.6	9587.92969	0.00051	0.08603	3.88003E-06	0.09456	4.25170E-06	0.00051
594382.96	4129046.6	10076.53702	0.00053	0.08569	3.86470E-06	0.10130	4.55475E-06	0.00054
594408.87	4129046.6	10534.37744	0.00056	0.08519	3.84215E-06	0.10867	4.88613E-06	0.00056
594434.78	4129046.6	10949.16801	0.00058	0.08452	3.81193E-06	0.11663	5.24403E-06	0.00059
594460.69	4129046.6	11301.60731	0.00060	0.08367	3.77359E-06	0.12526	5.63206E-06	0.00060
594486.6	4129046.6	11574.10466	0.00061	0.08260	3.72533E-06	0.13455	6.04977E-06	0.00062
594331.14	4129088.65	8128.57624	0.00043	0.07617	3.43534E-06	0.08902	4.00260E-06	0.00044
594357.05	4129088.65	8461.06336	0.00045	0.07580	3.41865E-06	0.09484	4.26429E-06	0.00045
594382.96	4129088.65	8762.1723	0.00046	0.07531	3.39655E-06	0.10114	4.54755E-06	0.00047
594408.87	4129088.65	9023.59971	0.00048	0.07472	3.36994E-06	0.10792	4.85240E-06	0.00048
594434.78	4129088.65	9236.5497	0.00049	0.07402	3.33837E-06	0.11517	5.17838E-06	0.00050
594460.69	4129088.65	9390.17347	0.00049	0.07316	3.29958E-06	0.12296	5.52865E-06	0.00050
594486.6	4129088.65	9477.97718	0.00050	0.07212	3.25268E-06	0.13129	5.90319E-06	0.00051
594331.14	4129130.7	7190.33109	0.00038	0.06774	3.05513E-06	0.08911	4.00665E-06	0.00039
594357.05	4129130.7	7391.18408	0.00039	0.06730	3.03529E-06	0.09455	4.25125E-06	0.00040
594382.96	4129130.7	7558.82749	0.00040	0.06679	3.01229E-06	0.10036	4.51248E-06	0.00041
594408.87	4129130.7	7687.45303	0.00041	0.06619	2.98523E-06	0.10655	4.79080E-06	0.00041
594434.78	4129130.7	7774.89251	0.00041	0.06551	2.95456E-06	0.11312	5.08621E-06	0.00042
594460.69	4129130.7	7814.39426	0.00041	0.06468	2.91713E-06	0.12014	5.40185E-06	0.00042
594486.6	4129130.7	7805.20078	0.00041	0.06368	2.87203E-06	0.12763	5.73862E-06	0.00042
595047.1	4127721.65	1204.3118	0.00006	0.25974	1.17145E-05	0.01305	5.86767E-07	0.00008
595080.55	4127721.65	1313.14356	0.00007	0.25017	1.12829E-05	0.01382	6.21388E-07	0.00008
595047.1	4127745.31	1303.88273	0.00007	0.27822	1.25480E-05	0.01374	6.17791E-07	0.00008
595080.55	4127745.31	1417.93573	0.00007	0.26643	1.20162E-05	0.01450	6.51963E-07	0.00009
595047.1	4127768.97	1410.72275	0.00007	0.29747	1.34162E-05	0.01442	6.48366E-07	0.00009
595080.55	4127768.97	1534.334	0.00008	0.28303	1.27649E-05	0.01525	6.85685E-07	0.00009
595047.1	4127792.63	1531.44199	0.00008	0.31724	1.43078E-05	0.01518	6.82538E-07	0.00010
595080.55	4127792.63	1667.23955	0.00009	0.29973	1.35181E-05	0.01609	7.23454E-07	0.00010
595047.1	4127816.29	1668.40726	0.00009	0.33721	1.52085E-05	0.01605	7.21656E-07	0.00010
595080.55	4127816.29	1813.94437	0.00010	0.31620	1.42609E-05	0.01701	7.64820E-07	0.00011
595047.1	4127839.95	1818.1303	0.00010	0.35691	1.60970E-05	0.01694	7.61673E-07	0.00011
595080.55	4127839.95	1978.03313	0.00010	0.33199	1.49730E-05	0.01801	8.09783E-07	0.00012
595047.1	4127863.61	1986.25787	0.00010	0.37575	1.69467E-05	0.01792	8.05736E-07	0.00012
595080.55	4127863.61	2164.25203	0.00011	0.34660	1.56320E-05	0.01914	8.60591E-07	0.00013
595047.1	4127887.27	2180.53189	0.00011	0.39305	1.77269E-05	0.01904	8.56095E-07	0.00013
595080.55	4127887.27	2368.39745	0.00012	0.35946	1.62120E-05	0.02032	9.13647E-07	0.00014
595047.1	4127910.93	2397.32441	0.00013	0.40804	1.84030E-05	0.02028	9.11849E-07	0.00015
595080.55	4127910.93	2601.8667	0.00014	0.37013	1.66932E-05	0.02182	9.81092E-07	0.00015
595047.1	4127934.59	2642.63382	0.00014	0.42012	1.89478E-05	0.02163	9.72549E-07	0.00016
595080.55	4127934.59	2860.29851	0.00015	0.37825	1.70594E-05	0.02334	1.04944E-06	0.00017
595047.1	4127958.25	2918.94014	0.00015	0.42893	1.93451E-05	0.02333	1.04899E-06	0.00017
595080.55	4127958.25	3151.49857	0.00017	0.38376	1.73079E-05	0.02496	1.12228E-06	0.00018

595047.1	4127981.91	3230.75931	0.00017	0.43446	1.95945E-05	0.02499	1.12362E-06	0.00019
595080.55	4127981.91	3480.02718	0.00018	0.38686	1.74477E-05	0.02678	1.20411E-06	0.00020
595047.1	4128005.57	3585.19424	0.00019	0.43717	1.97168E-05	0.02684	1.20681E-06	0.00021
595080.55	4128005.57	3851.21343	0.00020	0.38798	1.74982E-05	0.02892	1.30033E-06	0.00022
595047.1	4128029.23	3988.82857	0.00021	0.43768	1.97398E-05	0.02899	1.30348E-06	0.00023
595080.55	4128029.23	4270.92812	0.00023	0.38756	1.74793E-05	0.03132	1.40824E-06	0.00024
595047.1	4128052.89	4449.15124	0.00023	0.43657	1.96897E-05	0.03151	1.41678E-06	0.00026
595080.55	4128052.89	4745.99388	0.00025	0.38603	1.74103E-05	0.03392	1.52514E-06	0.00027
594886.23	4127719.27	732.95751	0.00004	0.28756	1.29692E-05	0.01016	4.56824E-07	0.00005
594950.74	4127719.27	905.39004	0.00005	0.27979	1.26188E-05	0.01117	5.02236E-07	0.00006
594886.23	4127747.71	797.68447	0.00004	0.32384	1.46055E-05	0.01072	4.82003E-07	0.00006
594950.74	4127747.71	990.89209	0.00005	0.31045	1.40016E-05	0.01181	5.31013E-07	0.00007
594886.23	4127776.15	870.20768	0.00005	0.36520	1.64708E-05	0.01128	5.07182E-07	0.00006
594950.74	4127776.15	1087.27179	0.00006	0.34432	1.55291E-05	0.01248	5.61138E-07	0.00007
594886.23	4127804.59	955.05308	0.00005	0.41202	1.85825E-05	0.01194	5.36858E-07	0.00007
594950.74	4127804.59	1199.00869	0.00006	0.38140	1.72015E-05	0.01323	5.94860E-07	0.00008
594886.23	4127833.03	1051.12182	0.00006	0.46530	2.09854E-05	0.01263	5.67882E-07	0.00008
594950.74	4127833.03	1326.08826	0.00007	0.42169	1.90186E-05	0.01406	6.32179E-07	0.00009
594886.23	4127861.47	1163.64174	0.00006	0.52555	2.37028E-05	0.01341	6.02953E-07	0.00009
594950.74	4127861.47	1471.00302	0.00008	0.46469	2.09579E-05	0.01494	6.71747E-07	0.00010
594886.23	4127889.91	1290.60276	0.00007	0.59333	2.67597E-05	0.01424	6.40273E-07	0.00010
594950.74	4127889.91	1643.50625	0.00009	0.50914	2.29627E-05	0.01597	7.18059E-07	0.00011
594886.23	4127918.35	1440.53068	0.00008	0.66756	3.01076E-05	0.01519	6.82987E-07	0.00011
594950.74	4127918.35	1842.60656	0.00010	0.55279	2.49313E-05	0.01711	7.69316E-07	0.00012
594834.46	4127713.69	599.42186	0.00003	0.28127	1.26855E-05	0.00918	4.12760E-07	0.00004
594862.34	4127713.69	662.24207	0.00003	0.28184	1.27112E-05	0.00952	4.28047E-07	0.00005
594834.46	4127736.34	638.39268	0.00003	0.31171	1.40584E-05	0.00956	4.29846E-07	0.00005
594862.34	4127736.34	707.45587	0.00004	0.31088	1.40210E-05	0.00996	4.47831E-07	0.00005
594834.46	4127758.99	681.3002	0.00004	0.34605	1.56072E-05	0.00998	4.48730E-07	0.00005
594862.34	4127758.99	757.48546	0.00004	0.34333	1.54845E-05	0.01059	4.76158E-07	0.00006
594834.46	4127781.64	729.50679	0.00004	0.38474	1.73521E-05	0.01062	4.77507E-07	0.00006
594862.34	4127781.64	811.14164	0.00004	0.37979	1.71289E-05	0.01102	4.95492E-07	0.00006
594834.46	4127804.29	781.187	0.00004	0.42879	1.93388E-05	0.01106	4.97290E-07	0.00006
594862.34	4127804.29	872.63459	0.00005	0.42037	1.89591E-05	0.01153	5.18423E-07	0.00007
594834.46	4127826.94	840.56372	0.00004	0.47848	2.15799E-05	0.01158	5.20671E-07	0.00007
594862.34	4127826.94	940.11449	0.00005	0.46593	2.10139E-05	0.01205	5.41804E-07	0.00007
594834.46	4127849.59	905.74028	0.00005	0.53521	2.41385E-05	0.01210	5.44052E-07	0.00007
594862.34	4127849.59	1014.2069	0.00005	0.51715	2.33239E-05	0.01259	5.66084E-07	0.00008
594834.46	4127872.24	977.32135	0.00005	0.60021	2.70700E-05	0.01265	5.68782E-07	0.00008
594862.34	4127872.24	1097.14452	0.00006	0.57453	2.59118E-05	0.01318	5.92612E-07	0.00008
594834.46	4127894.89	1057.50765	0.00006	0.67464	3.04269E-05	0.01325	5.95759E-07	0.00009
594862.34	4127894.89	1193.70695	0.00006	0.63839	2.87920E-05	0.01385	6.22737E-07	0.00009
594834.46	4127917.54	1151.1834	0.00006	0.75950	3.42541E-05	0.01393	6.26334E-07	0.00010
594862.34	4127917.54	1301.14574	0.00007	0.70922	3.19865E-05	0.01458	6.55560E-07	0.00010
595026.39	4127722.45	1142.84781	0.00006	0.26595	1.19946E-05	0.01266	5.69231E-07	0.00007
595026.39	4127759.08	1289.7481	0.00007	0.29734	1.34103E-05	0.01363	6.12845E-07	0.00008
595026.39	4127795.71	1464.03341	0.00008	0.33090	1.49239E-05	0.01476	6.63653E-07	0.00009
595026.39	4127832.34	1670.18243	0.00009	0.36561	1.64893E-05	0.01602	7.20307E-07	0.00011
595026.39	4127868.97	1917.42714	0.00010	0.39953	1.80192E-05	0.01748	7.85953E-07	0.00012
595026.39	4127905.6	2218.5195	0.00012	0.42979	1.93839E-05	0.01918	8.62390E-07	0.00014
595026.39	4127942.23	2581.26466	0.00014	0.45310	2.04352E-05	0.02116	9.51416E-07	0.00016
595026.39	4127978.86	3024.00357	0.00016	0.46741	2.10806E-05	0.02348	1.05573E-06	0.00018
595026.39	4128015.49	3565.04646	0.00019	0.47322	2.13426E-05	0.02646	1.18972E-06	0.00021
595026.39	4128052.12	4229.31319	0.00022	0.47302	2.13336E-05	0.02983	1.34125E-06	0.00025
594967.92	4128313.02	16541.43183	0.00087	0.53498	2.41281E-05	0.08094	3.63930E-06	0.00090
594989.44	4128313.02	16854.84939	0.00089	0.48047	2.16696E-05	0.08633	3.88165E-06	0.00091
595010.96	4128313.02	17025.58736	0.00090	0.43373	1.95616E-05	0.09160	4.11861E-06	0.00092
595032.48	4128313.02	17066.0073	0.00090	0.39322	1.77346E-05	0.09659	4.34297E-06	0.00092
595054	4128313.02	16990.30851	0.00090	0.35776	1.61353E-05	0.10117	4.54890E-06	0.00092
595075.52	4128313.02	16813.49288	0.00089	0.32649	1.47250E-05	0.10533	4.73595E-06	0.00091
594967.92	4128341.65	20102.8328	0.00106	0.51959	2.34340E-05	0.09620	4.32544E-06	0.00109
594989.44	4128341.65	20267.42794	0.00107	0.46610	2.10215E-05	0.10243	4.60556E-06	0.00109
595010.96	4128341.65	20261.44809	0.00107	0.42019	1.89509E-05	0.10838	4.87309E-06	0.00109
595032.48	4128341.65	20105.85178	0.00106	0.38037	1.71550E-05	0.11389	5.12083E-06	0.00108
595054	4128341.65	19822.2504	0.00104	0.34551	1.55828E-05	0.11884	5.34340E-06	0.00107
595075.52	4128341.65	19432.18478	0.00102	0.31479	1.41973E-05	0.12322	5.54034E-06	0.00104
594967.92	4128370.28	24513.55515	0.00129	0.50321	2.26952E-05	0.11569	5.20177E-06	0.00132
594989.44	4128370.28	24412.58535	0.00129	0.45082	2.03324E-05	0.12292	5.52685E-06	0.00131
595010.96	4128370.28	24117.51233	0.00127	0.40565	1.82952E-05	0.12954	5.82450E-06	0.00129
595032.48	4128370.28	23659.51281	0.00125	0.36627	1.65191E-05	0.13530	6.08349E-06	0.00127
595054	4128370.28	23072.67444	0.00122	0.33194	1.49708E-05	0.14051	6.31775E-06	0.00124
595075.52	4128370.28	22385.60466	0.00118	0.30183	1.36128E-05	0.14519	6.52817E-06	0.00120
594967.92	4128398.91	29921.98485	0.00158	0.48563	2.19023E-05	0.14086	6.33348E-06	0.00160
594989.44	4128398.91	29378.45114	0.00155	0.43390	1.95693E-05	0.14893	6.69633E-06	0.00157
595010.96	4128398.91	28637.15035	0.00151	0.38938	1.75614E-05	0.15614	7.02052E-06	0.00153
595032.48	4128398.91	27741.07095	0.00146	0.35072	1.58178E-05	0.16242	7.30289E-06	0.00148
595054	4128398.91	26729.61885	0.00141	0.31691	1.42929E-05	0.16773	7.54164E-06	0.00143

595075.52	4128398.91	25638.91294	0.00135	0.28728	1.29566E-05	0.17214	7.73993E-06	0.00137
594967.92	4128427.54	36442.06638	0.00192	0.46655	2.10418E-05	0.17554	7.89280E-06	0.00195
594989.44	4128427.54	35210.63185	0.00186	0.41460	1.86988E-05	0.18341	8.24666E-06	0.00188
595010.96	4128427.54	33815.69897	0.00178	0.37069	1.67185E-05	0.19087	8.58208E-06	0.00181
595032.48	4128427.54	32304.04015	0.00170	0.33259	1.50001E-05	0.19700	8.85770E-06	0.00173
595054	4128427.54	30724.25058	0.00162	0.29956	1.35104E-05	0.20193	9.07937E-06	0.00164
595075.52	4128427.54	29114.00551	0.00153	0.27079	1.22129E-05	0.20565	9.24663E-06	0.00156
595000.73	4128430.99	35205.57503	0.00185	0.38819	1.75077E-05	0.19233	8.64773E-06	0.00188
595032.09	4128430.99	32912.424	0.00173	0.33089	1.49234E-05	0.20173	9.07038E-06	0.00176
595063.45	4128430.99	30487.05172	0.00161	0.28428	1.28213E-05	0.20836	9.36848E-06	0.00163
595000.73	4128448.25	38907.37005	0.00205	0.37546	1.69336E-05	0.21995	9.88960E-06	0.00208
595032.09	4128448.25	35891.60055	0.00189	0.31856	1.43673E-05	0.22827	1.02637E-05	0.00192
595063.45	4128448.25	32848.31361	0.00173	0.27270	1.22990E-05	0.23390	1.05168E-05	0.00175
595000.73	4128465.51	42814.54276	0.00226	0.36143	1.63008E-05	0.25361	1.14031E-05	0.00228
595032.09	4128465.51	38966.57109	0.00205	0.30520	1.37648E-05	0.25918	1.16535E-05	0.00208
595063.45	4128465.51	35223.06874	0.00186	0.26033	1.17411E-05	0.26316	1.18325E-05	0.00188
595056.55	4128477.03	37709.55747	0.00199	0.26077	1.17610E-05	0.28426	1.27812E-05	0.00201
595097.42	4128477.03	32540.89955	0.00171	0.21417	9.65926E-06	0.28272	1.27119E-05	0.00174
595138.29	4128477.03	27935.99348	0.00147	0.17846	8.04871E-06	0.27763	1.24831E-05	0.00149
595056.55	4128506.38	41754.49939	0.00220	0.23755	1.07137E-05	0.35150	1.58045E-05	0.00223
595097.42	4128506.38	35119.54814	0.00185	0.19474	8.78295E-06	0.34023	1.52978E-05	0.00187
595138.29	4128506.38	29460.78009	0.00155	0.16208	7.30995E-06	0.32526	1.46247E-05	0.00157
595185.07	4128542.78	24098.20111	0.00127	0.11801	5.32236E-06	0.35917	1.61493E-05	0.00129
595200.24	4128542.78	22374.12096	0.00118	0.11159	5.03281E-06	0.34935	1.57078E-05	0.00120
595215.41	4128542.78	20783.01697	0.00110	0.10566	4.76536E-06	0.33992	1.52838E-05	0.00112
595230.58	4128542.78	19318.92178	0.00102	0.10028	4.52272E-06	0.33089	1.48778E-05	0.00104
595245.75	4128542.78	17972.54385	0.00095	0.09534	4.29992E-06	0.32239	1.44956E-05	0.00097
595260.92	4128542.78	16733.93174	0.00088	0.09079	4.09471E-06	0.31420	1.41274E-05	0.00090
595276.09	4128542.78	15594.51672	0.00082	0.08659	3.90529E-06	0.30639	1.37762E-05	0.00084
595291.26	4128542.78	14545.85546	0.00077	0.08271	3.73030E-06	0.29888	1.34385E-05	0.00078
595306.43	4128542.78	13580.11812	0.00072	0.07912	3.56838E-06	0.29156	1.31094E-05	0.00073
595321.6	4128542.78	12690.62415	0.00067	0.07577	3.41729E-06	0.28452	1.27929E-05	0.00068
595185.07	4128563.98	23622.66877	0.00124	0.10927	4.92818E-06	0.39103	1.75819E-05	0.00127
595200.24	4128563.98	21840.47853	0.00115	0.10371	4.67741E-06	0.37916	1.70482E-05	0.00117
595215.41	4128563.98	20198.0596	0.00106	0.09848	4.44154E-06	0.36771	1.65333E-05	0.00109
595230.58	4128563.98	18696.63614	0.00099	0.09352	4.21784E-06	0.35665	1.60360E-05	0.00101
595245.75	4128563.98	17326.28086	0.00091	0.08906	4.01669E-06	0.34636	1.55734E-05	0.00093
595260.92	4128563.98	16074.93778	0.00085	0.08494	3.83087E-06	0.33656	1.51327E-05	0.00087
595276.09	4128563.98	14931.91172	0.00079	0.08114	3.65949E-06	0.32730	1.47164E-05	0.00081
595291.26	4128563.98	13886.5965	0.00073	0.07757	3.49848E-06	0.31836	1.43144E-05	0.00075
595306.43	4128563.98	12930.42436	0.00068	0.07432	3.35190E-06	0.30992	1.39349E-05	0.00070
595321.6	4128563.98	12055.43104	0.00064	0.07133	3.21705E-06	0.30196	1.35770E-05	0.00065
595185.07	4128585.18	22758.27007	0.00120	0.10115	4.56196E-06	0.42368	1.90499E-05	0.00122
595200.24	4128585.18	20963.03566	0.00110	0.09631	4.34367E-06	0.40992	1.84312E-05	0.00113
595215.41	4128585.18	19314.43984	0.00102	0.09169	4.13530E-06	0.39643	1.78247E-05	0.00104
595230.58	4128585.18	17815.86469	0.00094	0.08740	3.94182E-06	0.38358	1.72469E-05	0.00096
595245.75	4128585.18	16455.63903	0.00087	0.08329	3.75645E-06	0.37114	1.66876E-05	0.00089
595260.92	4128585.18	15221.56636	0.00080	0.07953	3.58687E-06	0.35953	1.61655E-05	0.00082
595276.09	4128585.18	14101.78812	0.00074	0.07610	3.43218E-06	0.34877	1.56817E-05	0.00076
595291.26	4128585.18	13084.14242	0.00069	0.07291	3.28831E-06	0.33865	1.52267E-05	0.00071
595306.43	4128585.18	12158.65802	0.00064	0.06996	3.15526E-06	0.32903	1.47942E-05	0.00066
595321.6	4128585.18	11316.54041	0.00060	0.06725	3.03304E-06	0.31999	1.43877E-05	0.00061
595185.07	4128606.38	21488.6272	0.00113	0.09348	4.21603E-06	0.45680	2.05391E-05	0.00116
595200.24	4128606.38	19727.39454	0.00104	0.08927	4.02616E-06	0.44114	1.98350E-05	0.00106
595215.41	4128606.38	18130.16873	0.00096	0.08527	3.84575E-06	0.42605	1.91565E-05	0.00098
595230.58	4128606.38	16689.0506	0.00088	0.08155	3.67798E-06	0.41162	1.85077E-05	0.00090
595245.75	4128606.38	15386.342	0.00081	0.07808	3.52148E-06	0.39759	1.78768E-05	0.00083

## 1410 South Bascom Avenue Project

### Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

**Cancer Potency Factor:** 1.1 (mg/kg-day)<sup>-1</sup>  
**Exposure Frequency** 350 days/year  
**Averaging Period** 25550 days

Year	Unit DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) <sup>-1</sup>
3rd Trimester	1	10	361	0.85	0.25	11.6
1	1	10	1090	0.85	1	139.6
2	1	10	1090	0.85	1	139.6
3	1	3	572	0.72	0.21	3.9

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction**

**Estimated Cancer Risks from Construction DPM - Infant Receptors**

X (m)	Y (m)	Infant Cancer	Infant Cancer	Infant Cancer	Infant Cancer	Total Cancer Risk (/million)	Maximum Caner Risk
		Risk (3rd Trimester) 2020 (/million)	Risk (year 1) 2020 (/million)	Risk (year 2) 2021 (/million)	Risk (year 3) 2022 (/million)		
593913.11	4129158.33	0.002	0.021	0.029	0.001	0.05223	4.3
593960.92	4129158.33	0.002	0.023	0.032	0.001	0.05708	BAAQMD threshold of significance
594008.73	4129158.33	0.002	0.025	0.034	0.001	0.06239	10
594056.54	4129158.33	0.002	0.027	0.038	0.001	0.06817	Exceed thresholds?
594104.35	4129158.33	0.002	0.030	0.041	0.001	0.07434	No
594152.16	4129158.33	0.003	0.032	0.045	0.001	0.08080	
594199.97	4129158.33	0.003	0.035	0.048	0.001	0.08736	
594247.78	4129158.33	0.003	0.038	0.052	0.001	0.09371	
594295.59	4129158.33	0.003	0.040	0.055	0.001	0.09947	
594343.4	4129158.33	0.003	0.042	0.058	0.001	0.10418	
594391.21	4129158.33	0.004	0.043	0.059	0.001	0.10736	
594439.02	4129158.33	0.004	0.044	0.060	0.001	0.10870	
594486.83	4129158.33	0.004	0.043	0.060	0.001	0.10814	
594534.64	4129158.33	0.004	0.042	0.058	0.001	0.10562	
594582.45	4129158.33	0.003	0.041	0.056	0.001	0.10107	
594630.26	4129158.33	0.003	0.038	0.053	0.001	0.09513	
593913.11	4129192.59	0.002	0.021	0.028	0.001	0.05135	
593960.92	4129192.59	0.002	0.022	0.031	0.001	0.05577	
594008.73	4129192.59	0.002	0.024	0.033	0.001	0.06054	
594056.54	4129192.59	0.002	0.026	0.036	0.001	0.06561	
594104.35	4129192.59	0.002	0.028	0.039	0.001	0.07091	
594152.16	4129192.59	0.003	0.031	0.042	0.001	0.07629	
594199.97	4129192.59	0.003	0.033	0.045	0.001	0.08153	
594247.78	4129192.59	0.003	0.035	0.048	0.001	0.08634	
594295.59	4129192.59	0.003	0.036	0.050	0.001	0.09038	
594343.4	4129192.59	0.003	0.037	0.052	0.001	0.09331	
594391.21	4129192.59	0.003	0.038	0.052	0.001	0.09490	
594439.02	4129192.59	0.003	0.038	0.053	0.001	0.09503	
594486.83	4129192.59	0.003	0.038	0.052	0.001	0.09373	
594534.64	4129192.59	0.003	0.036	0.050	0.001	0.09101	
594582.45	4129192.59	0.003	0.035	0.048	0.001	0.08688	
594630.26	4129192.59	0.003	0.033	0.045	0.001	0.08189	
593913.11	4129226.85	0.002	0.020	0.028	0.001	0.05018	
593960.92	4129226.85	0.002	0.022	0.030	0.001	0.05419	
594008.73	4129226.85	0.002	0.023	0.032	0.001	0.05841	

594056.54	4129226.85	0.002	0.025	0.035	0.001	0.06280
594104.35	4129226.85	0.002	0.027	0.037	0.001	0.06727
594152.16	4129226.85	0.002	0.029	0.040	0.001	0.07165
594199.97	4129226.85	0.003	0.030	0.042	0.001	0.07572
594247.78	4129226.85	0.003	0.032	0.044	0.001	0.07922
594295.59	4129226.85	0.003	0.033	0.045	0.001	0.08189
594343.4	4129226.85	0.003	0.033	0.046	0.001	0.08351
594391.21	4129226.85	0.003	0.034	0.046	0.001	0.08404
594439.02	4129226.85	0.003	0.033	0.046	0.001	0.08347
594486.83	4129226.85	0.003	0.033	0.045	0.001	0.08187
594534.64	4129226.85	0.003	0.032	0.044	0.001	0.07921
594582.45	4129226.85	0.003	0.030	0.042	0.001	0.07549
594630.26	4129226.85	0.002	0.029	0.039	0.001	0.07123
593913.11	4129261.11	0.002	0.020	0.027	0.001	0.04881
593960.92	4129261.11	0.002	0.021	0.029	0.001	0.05238
594008.73	4129261.11	0.002	0.022	0.031	0.001	0.05609
594056.54	4129261.11	0.002	0.024	0.033	0.001	0.05984
594104.35	4129261.11	0.002	0.025	0.035	0.001	0.06352
594152.16	4129261.11	0.002	0.027	0.037	0.001	0.06699
594199.97	4129261.11	0.002	0.028	0.039	0.001	0.07004
594247.78	4129261.11	0.002	0.029	0.040	0.001	0.07246
594295.59	4129261.11	0.002	0.030	0.041	0.001	0.07408
594343.4	4129261.11	0.002	0.030	0.041	0.001	0.07479
594391.21	4129261.11	0.002	0.030	0.041	0.001	0.07465
594439.02	4129261.11	0.002	0.030	0.041	0.001	0.07372
594486.83	4129261.11	0.002	0.029	0.040	0.001	0.07205
594534.64	4129261.11	0.002	0.028	0.038	0.001	0.06956
594582.45	4129261.11	0.002	0.027	0.037	0.001	0.06623
594630.26	4129261.11	0.002	0.025	0.035	0.001	0.06257
593913.11	4129295.37	0.002	0.019	0.026	0.001	0.04729
593960.92	4129295.37	0.002	0.020	0.028	0.001	0.05044
594008.73	4129295.37	0.002	0.021	0.030	0.001	0.05363
594056.54	4129295.37	0.002	0.023	0.031	0.001	0.05677
594104.35	4129295.37	0.002	0.024	0.033	0.001	0.05975
594152.16	4129295.37	0.002	0.025	0.035	0.001	0.06242
594199.97	4129295.37	0.002	0.026	0.036	0.001	0.06461
594247.78	4129295.37	0.002	0.027	0.037	0.001	0.06618
594295.59	4129295.37	0.002	0.027	0.037	0.001	0.06701
594343.4	4129295.37	0.002	0.027	0.037	0.001	0.06712
594391.21	4129295.37	0.002	0.027	0.037	0.001	0.06659
594439.02	4129295.37	0.002	0.026	0.036	0.001	0.06550
594486.83	4129295.37	0.002	0.026	0.035	0.001	0.06387
594534.64	4129295.37	0.002	0.025	0.034	0.001	0.06157
594582.45	4129295.37	0.002	0.024	0.032	0.001	0.05859



594630.26	4129295.37	0.002	0.022	0.031	0.001	0.05546
593913.11	4129329.63	0.002	0.018	0.025	0.001	0.04565
593960.92	4129329.63	0.002	0.019	0.027	0.001	0.04838
594008.73	4129329.63	0.002	0.020	0.028	0.001	0.05109
594056.54	4129329.63	0.002	0.021	0.030	0.001	0.05367
594104.35	4129329.63	0.002	0.022	0.031	0.001	0.05602
594152.16	4129329.63	0.002	0.023	0.032	0.001	0.05799
594199.97	4129329.63	0.002	0.024	0.033	0.001	0.05948
594247.78	4129329.63	0.002	0.024	0.033	0.001	0.06038
594295.59	4129329.63	0.002	0.024	0.034	0.001	0.06068
594343.4	4129329.63	0.002	0.024	0.033	0.001	0.06040
594391.21	4129329.63	0.002	0.024	0.033	0.001	0.05966
594439.02	4129329.63	0.002	0.023	0.032	0.001	0.05855
594486.83	4129329.63	0.002	0.023	0.031	0.001	0.05701
594534.64	4129329.63	0.002	0.022	0.030	0.001	0.05490
594582.45	4129329.63	0.002	0.021	0.029	0.001	0.05224
594630.26	4129329.63	0.002	0.020	0.027	0.001	0.04953
593913.11	4129363.89	0.001	0.018	0.024	0.001	0.04391
593960.92	4129363.89	0.002	0.019	0.026	0.001	0.04626
594008.73	4129363.89	0.002	0.019	0.027	0.001	0.04851
594056.54	4129363.89	0.002	0.020	0.028	0.001	0.05058
594104.35	4129363.89	0.002	0.021	0.029	0.001	0.05236
594152.16	4129363.89	0.002	0.022	0.030	0.001	0.05376
594199.97	4129363.89	0.002	0.022	0.030	0.001	0.05469
594247.78	4129363.89	0.002	0.022	0.030	0.001	0.05510
594295.59	4129363.89	0.002	0.022	0.030	0.001	0.05501
594343.4	4129363.89	0.002	0.022	0.030	0.001	0.05452
594391.21	4129363.89	0.002	0.022	0.030	0.001	0.05373
594439.02	4129363.89	0.002	0.021	0.029	0.001	0.05264
594486.83	4129363.89	0.002	0.021	0.028	0.001	0.05120
594534.64	4129363.89	0.002	0.020	0.027	0.001	0.04925
594582.45	4129363.89	0.002	0.019	0.026	0.001	0.04687
594630.26	4129363.89	0.001	0.018	0.025	0.001	0.04451
593913.11	4129398.15	0.001	0.017	0.023	0.001	0.04213
593960.92	4129398.15	0.001	0.018	0.024	0.001	0.04410
594008.73	4129398.15	0.002	0.018	0.025	0.001	0.04593
594056.54	4129398.15	0.002	0.019	0.026	0.001	0.04755
594104.35	4129398.15	0.002	0.020	0.027	0.001	0.04886
594152.16	4129398.15	0.002	0.020	0.028	0.001	0.04978
594199.97	4129398.15	0.002	0.020	0.028	0.001	0.05027
594247.78	4129398.15	0.002	0.020	0.028	0.001	0.05033
594295.59	4129398.15	0.002	0.020	0.028	0.001	0.05002
594343.4	4129398.15	0.002	0.020	0.027	0.001	0.04942
594391.21	4129398.15	0.002	0.020	0.027	0.001	0.04861

594439.02	4129398.15	0.002	0.019	0.026	0.001	0.04760
594486.83	4129398.15	0.002	0.019	0.026	0.001	0.04625
594534.64	4129398.15	0.001	0.018	0.025	0.001	0.04447
594582.45	4129398.15	0.001	0.017	0.023	0.001	0.04231
594630.26	4129398.15	0.001	0.016	0.022	0.001	0.04025
593913.11	4129432.41	0.001	0.016	0.022	0.001	0.04030
593960.92	4129432.41	0.001	0.017	0.023	0.001	0.04193
594008.73	4129432.41	0.001	0.017	0.024	0.001	0.04339
594056.54	4129432.41	0.001	0.018	0.025	0.001	0.04460
594104.35	4129432.41	0.002	0.018	0.025	0.001	0.04549
594152.16	4129432.41	0.002	0.018	0.025	0.001	0.04604
594199.97	4129432.41	0.002	0.019	0.026	0.001	0.04621
594247.78	4129432.41	0.002	0.018	0.025	0.001	0.04603
594295.59	4129432.41	0.002	0.018	0.025	0.001	0.04559
594343.4	4129432.41	0.001	0.018	0.025	0.001	0.04497
594391.21	4129432.41	0.001	0.018	0.024	0.001	0.04420
594439.02	4129432.41	0.001	0.017	0.024	0.001	0.04325
594486.83	4129432.41	0.001	0.017	0.023	0.001	0.04200
594534.64	4129432.41	0.001	0.016	0.022	0.001	0.04033
594582.45	4129432.41	0.001	0.015	0.021	0.001	0.03839
594630.26	4129432.41	0.001	0.015	0.020	0.000	0.03658
593913.11	4129466.67	0.001	0.015	0.021	0.001	0.03846
593960.92	4129466.67	0.001	0.016	0.022	0.001	0.03977
594008.73	4129466.67	0.001	0.016	0.023	0.001	0.04089
594056.54	4129466.67	0.001	0.017	0.023	0.001	0.04176
594104.35	4129466.67	0.001	0.017	0.023	0.001	0.04233
594152.16	4129466.67	0.001	0.017	0.024	0.001	0.04258
594199.97	4129466.67	0.001	0.017	0.023	0.001	0.04252
594247.78	4129466.67	0.001	0.017	0.023	0.001	0.04220
594295.59	4129466.67	0.001	0.017	0.023	0.001	0.04170
594343.4	4129466.67	0.001	0.016	0.023	0.001	0.04109
594391.21	4129466.67	0.001	0.016	0.022	0.001	0.04037
594439.02	4129466.67	0.001	0.016	0.022	0.001	0.03950
594486.83	4129466.67	0.001	0.015	0.021	0.001	0.03832
594534.64	4129466.67	0.001	0.015	0.020	0.000	0.03676
594582.45	4129466.67	0.001	0.014	0.019	0.000	0.03500
594630.26	4129466.67	0.001	0.013	0.018	0.000	0.03342
594331.14	4128962.5	0.006	0.067	0.092	0.002	0.16713
594357.05	4128962.5	0.006	0.073	0.100	0.002	0.18159
594382.96	4128962.5	0.007	0.079	0.109	0.003	0.19708
594408.87	4128962.5	0.007	0.085	0.118	0.003	0.21345
594434.78	4128962.5	0.008	0.092	0.128	0.003	0.23048
594460.69	4128962.5	0.008	0.099	0.137	0.003	0.24778
594486.6	4128962.5	0.009	0.106	0.147	0.004	0.26481

594331.14	4129004.55	0.005	0.062	0.086	0.002	0.15539
594357.05	4129004.55	0.006	0.067	0.092	0.002	0.16629
594382.96	4129004.55	0.006	0.071	0.098	0.002	0.17746
594408.87	4129004.55	0.006	0.075	0.104	0.003	0.18873
594434.78	4129004.55	0.007	0.080	0.111	0.003	0.19968
594460.69	4129004.55	0.007	0.084	0.116	0.003	0.21000
594486.6	4129004.55	0.007	0.088	0.121	0.003	0.21919
594331.14	4129046.6	0.005	0.057	0.078	0.002	0.14133
594357.05	4129046.6	0.005	0.060	0.082	0.002	0.14905
594382.96	4129046.6	0.005	0.063	0.087	0.002	0.15661
594408.87	4129046.6	0.005	0.065	0.091	0.002	0.16370
594434.78	4129046.6	0.006	0.068	0.094	0.002	0.17014
594460.69	4129046.6	0.006	0.070	0.097	0.002	0.17563
594486.6	4129046.6	0.006	0.072	0.100	0.002	0.17991
594331.14	4129088.65	0.004	0.051	0.070	0.002	0.12655
594357.05	4129088.65	0.004	0.053	0.073	0.002	0.13170
594382.96	4129088.65	0.005	0.055	0.075	0.002	0.13639
594408.87	4129088.65	0.005	0.056	0.078	0.002	0.14047
594434.78	4129088.65	0.005	0.058	0.080	0.002	0.14382
594460.69	4129088.65	0.005	0.059	0.081	0.002	0.14626
594486.6	4129088.65	0.005	0.059	0.082	0.002	0.14771
594331.14	4129130.7	0.004	0.045	0.062	0.002	0.11210
594357.05	4129130.7	0.004	0.046	0.064	0.002	0.11524
594382.96	4129130.7	0.004	0.047	0.065	0.002	0.11788
594408.87	4129130.7	0.004	0.048	0.066	0.002	0.11993
594434.78	4129130.7	0.004	0.049	0.067	0.002	0.12135
594460.69	4129130.7	0.004	0.049	0.067	0.002	0.12204
594486.6	4129130.7	0.004	0.049	0.067	0.002	0.12200
595047.1	4127721.65	0.001	0.009	0.012	0.000	0.02247
595080.55	4127721.65	0.001	0.010	0.013	0.000	0.02400
595047.1	4127745.31	0.001	0.010	0.013	0.000	0.02428
595080.55	4127745.31	0.001	0.011	0.014	0.000	0.02586
595047.1	4127768.97	0.001	0.011	0.014	0.000	0.02621
595080.55	4127768.97	0.001	0.011	0.015	0.000	0.02789
595047.1	4127792.63	0.001	0.012	0.015	0.000	0.02836
595080.55	4127792.63	0.001	0.012	0.016	0.000	0.03019
595047.1	4127816.29	0.001	0.013	0.017	0.000	0.03077
595080.55	4127816.29	0.001	0.013	0.018	0.000	0.03269
595047.1	4127839.95	0.001	0.014	0.018	0.000	0.03336
595080.55	4127839.95	0.001	0.014	0.019	0.000	0.03544
595047.1	4127863.61	0.001	0.015	0.020	0.000	0.03622
595080.55	4127863.61	0.001	0.016	0.021	0.001	0.03852
595047.1	4127887.27	0.001	0.016	0.022	0.001	0.03947
595080.55	4127887.27	0.001	0.017	0.023	0.001	0.04185

595047.1	4127910.93	0.001	0.018	0.023	0.001	0.04302
595080.55	4127910.93	0.002	0.019	0.025	0.001	0.04559
595047.1	4127934.59	0.002	0.019	0.026	0.001	0.04696
595080.55	4127934.59	0.002	0.020	0.027	0.001	0.04968
595047.1	4127958.25	0.002	0.021	0.028	0.001	0.05134
595080.55	4127958.25	0.002	0.022	0.030	0.001	0.05423
595047.1	4127981.91	0.002	0.023	0.031	0.001	0.05621
595080.55	4127981.91	0.002	0.024	0.033	0.001	0.05932
595047.1	4128005.57	0.002	0.025	0.034	0.001	0.06168
595080.55	4128005.57	0.002	0.026	0.036	0.001	0.06504
595047.1	4128029.23	0.002	0.027	0.037	0.001	0.06788
595080.55	4128029.23	0.002	0.029	0.039	0.001	0.07147
595047.1	4128052.89	0.003	0.030	0.041	0.001	0.07493
595080.55	4128052.89	0.003	0.032	0.043	0.001	0.07874
594886.23	4127719.27	0.001	0.006	0.008	0.000	0.01565
594950.74	4127719.27	0.001	0.007	0.010	0.000	0.01818
594886.23	4127747.71	0.001	0.007	0.009	0.000	0.01720
594950.74	4127747.71	0.001	0.008	0.011	0.000	0.01996
594886.23	4127776.15	0.001	0.008	0.010	0.000	0.01893
594950.74	4127776.15	0.001	0.009	0.012	0.000	0.02195
594886.23	4127804.59	0.001	0.009	0.011	0.000	0.02094
594950.74	4127804.59	0.001	0.010	0.013	0.000	0.02422
594886.23	4127833.03	0.001	0.010	0.012	0.000	0.02322
594950.74	4127833.03	0.001	0.011	0.014	0.000	0.02678
594886.23	4127861.47	0.001	0.011	0.014	0.000	0.02585
594950.74	4127861.47	0.001	0.012	0.016	0.000	0.02965
594886.23	4127889.91	0.001	0.012	0.015	0.000	0.02882
594950.74	4127889.91	0.001	0.014	0.018	0.000	0.03296
594886.23	4127918.35	0.001	0.013	0.017	0.000	0.03223
594950.74	4127918.35	0.001	0.015	0.020	0.000	0.03668
594834.46	4127713.69	0.000	0.006	0.007	0.000	0.01351
594862.34	4127713.69	0.000	0.006	0.008	0.000	0.01448
594834.46	4127736.34	0.001	0.006	0.008	0.000	0.01456
594862.34	4127736.34	0.001	0.006	0.008	0.000	0.01561
594834.46	4127758.99	0.001	0.007	0.008	0.000	0.01574
594862.34	4127758.99	0.001	0.007	0.009	0.000	0.01687
594834.46	4127781.64	0.001	0.007	0.009	0.000	0.01707
594862.34	4127781.64	0.001	0.008	0.010	0.000	0.01824
594834.46	4127804.29	0.001	0.008	0.010	0.000	0.01852
594862.34	4127804.29	0.001	0.008	0.011	0.000	0.01980
594834.46	4127826.94	0.001	0.008	0.011	0.000	0.02018
594862.34	4127826.94	0.001	0.009	0.012	0.000	0.02152
594834.46	4127849.59	0.001	0.009	0.012	0.000	0.02204
594862.34	4127849.59	0.001	0.010	0.013	0.000	0.02343

594834.46	4127872.24	0.001	0.010	0.013	0.000	0.02411
594862.34	4127872.24	0.001	0.011	0.014	0.000	0.02556
594834.46	4127894.89	0.001	0.011	0.014	0.000	0.02646
594862.34	4127894.89	0.001	0.012	0.015	0.000	0.02801
594834.46	4127917.54	0.001	0.012	0.015	0.000	0.02918
594862.34	4127917.54	0.001	0.013	0.016	0.000	0.03072
595026.39	4127722.45	0.001	0.009	0.012	0.000	0.02162
595026.39	4127759.08	0.001	0.010	0.013	0.000	0.02435
595026.39	4127795.71	0.001	0.011	0.015	0.000	0.02753
595026.39	4127832.34	0.001	0.013	0.017	0.000	0.03122
595026.39	4127868.97	0.001	0.015	0.019	0.000	0.03552
595026.39	4127905.6	0.001	0.017	0.022	0.001	0.04060
595026.39	4127942.23	0.002	0.019	0.025	0.001	0.04651
595026.39	4127978.86	0.002	0.022	0.029	0.001	0.05352
595026.39	4128015.49	0.002	0.025	0.034	0.001	0.06191
595026.39	4128052.12	0.002	0.029	0.040	0.001	0.07210
594967.92	4128313.02	0.009	0.105	0.145	0.004	0.26172
594989.44	4128313.02	0.009	0.107	0.147	0.004	0.26577
595010.96	4128313.02	0.009	0.107	0.148	0.004	0.26775
595032.48	4128313.02	0.009	0.107	0.148	0.004	0.26783
595054	4128313.02	0.009	0.107	0.147	0.004	0.26621
595075.52	4128313.02	0.009	0.105	0.145	0.004	0.26311
594967.92	4128341.65	0.010	0.127	0.175	0.004	0.31608
594989.44	4128341.65	0.011	0.127	0.176	0.004	0.31788
595010.96	4128341.65	0.011	0.127	0.175	0.004	0.31719
595032.48	4128341.65	0.010	0.126	0.174	0.004	0.31430
595054	4128341.65	0.010	0.124	0.171	0.004	0.30952
595075.52	4128341.65	0.010	0.121	0.168	0.004	0.30317
594967.92	4128370.28	0.013	0.154	0.212	0.005	0.38345
594989.44	4128370.28	0.013	0.153	0.211	0.005	0.38123
595010.96	4128370.28	0.012	0.151	0.208	0.005	0.37614
595032.48	4128370.28	0.012	0.148	0.204	0.005	0.36865
595054	4128370.28	0.012	0.144	0.199	0.005	0.35925
595075.52	4128370.28	0.012	0.139	0.193	0.005	0.34839
594967.92	4128398.91	0.015	0.186	0.258	0.006	0.46611
594989.44	4128398.91	0.015	0.183	0.253	0.006	0.45716
595010.96	4128398.91	0.015	0.178	0.246	0.006	0.44528
595032.48	4128398.91	0.014	0.172	0.239	0.006	0.43112
595054	4128398.91	0.014	0.166	0.230	0.006	0.41525
595075.52	4128398.91	0.013	0.159	0.220	0.005	0.39823
594967.92	4128427.54	0.019	0.226	0.313	0.008	0.56586
594989.44	4128427.54	0.018	0.219	0.302	0.007	0.54641
595010.96	4128427.54	0.017	0.210	0.290	0.007	0.52457
595032.48	4128427.54	0.017	0.200	0.277	0.007	0.50101

595054	4128427.54	0.016	0.191	0.264	0.006	0.47648
595075.52	4128427.54	0.015	0.181	0.250	0.006	0.45152
595000.73	4128430.99	0.018	0.218	0.302	0.007	0.54607
595032.09	4128430.99	0.017	0.204	0.282	0.007	0.51034
595063.45	4128430.99	0.016	0.189	0.262	0.006	0.47272
595000.73	4128448.25	0.020	0.241	0.334	0.008	0.60279
595032.09	4128448.25	0.018	0.222	0.308	0.008	0.55603
595063.45	4128448.25	0.017	0.203	0.282	0.007	0.50897
595000.73	4128465.51	0.022	0.265	0.367	0.009	0.66272
595032.09	4128465.51	0.020	0.241	0.334	0.008	0.60323
595063.45	4128465.51	0.018	0.218	0.302	0.007	0.54547
595056.55	4128477.03	0.019	0.233	0.323	0.008	0.58375
595097.42	4128477.03	0.017	0.202	0.279	0.007	0.50413
595138.29	4128477.03	0.014	0.173	0.240	0.006	0.43323
595056.55	4128506.38	0.021	0.258	0.358	0.009	0.64615
595097.42	4128506.38	0.018	0.218	0.301	0.007	0.54406
595138.29	4128506.38	0.015	0.183	0.253	0.006	0.45698
595185.07	4128542.78	0.012	0.150	0.207	0.005	0.37497
595200.24	4128542.78	0.012	0.139	0.193	0.005	0.34841
595215.41	4128542.78	0.011	0.130	0.179	0.004	0.32389
595230.58	4128542.78	0.010	0.121	0.167	0.004	0.30133
595245.75	4128542.78	0.009	0.112	0.155	0.004	0.28058
595260.92	4128542.78	0.009	0.105	0.145	0.004	0.26148
595276.09	4128542.78	0.008	0.098	0.135	0.003	0.24391
595291.26	4128542.78	0.008	0.091	0.126	0.003	0.22773
595306.43	4128542.78	0.007	0.085	0.118	0.003	0.21283
595321.6	4128542.78	0.007	0.080	0.110	0.003	0.19910
595185.07	4128563.98	0.012	0.147	0.204	0.005	0.36806
595200.24	4128563.98	0.011	0.136	0.188	0.005	0.34059
595215.41	4128563.98	0.010	0.126	0.174	0.004	0.31527
595230.58	4128563.98	0.010	0.117	0.162	0.004	0.29212
595245.75	4128563.98	0.009	0.108	0.150	0.004	0.27098
595260.92	4128563.98	0.008	0.101	0.139	0.003	0.25167
595276.09	4128563.98	0.008	0.094	0.129	0.003	0.23403
595291.26	4128563.98	0.007	0.087	0.120	0.003	0.21789
595306.43	4128563.98	0.007	0.081	0.112	0.003	0.20312
595321.6	4128563.98	0.006	0.076	0.105	0.003	0.18960
595185.07	4128585.18	0.012	0.142	0.196	0.005	0.35523
595200.24	4128585.18	0.011	0.131	0.181	0.004	0.32755
595215.41	4128585.18	0.010	0.121	0.167	0.004	0.30211
595230.58	4128585.18	0.009	0.112	0.154	0.004	0.27898
595245.75	4128585.18	0.009	0.103	0.143	0.003	0.25797
595260.92	4128585.18	0.008	0.096	0.132	0.003	0.23891
595276.09	4128585.18	0.007	0.089	0.122	0.003	0.22160

595291.26	4128585.18	0.007	0.082	0.114	0.003	0.20587
595306.43	4128585.18	0.006	0.077	0.106	0.003	0.19156
595321.6	4128585.18	0.006	0.072	0.099	0.002	0.17853
595185.07	4128606.38	0.011	0.135	0.186	0.005	0.33623
595200.24	4128606.38	0.010	0.124	0.171	0.004	0.30905
595215.41	4128606.38	0.009	0.114	0.157	0.004	0.28438
595230.58	4128606.38	0.009	0.105	0.145	0.004	0.26212
595245.75	4128606.38	0.008	0.097	0.134	0.003	0.24197
595260.92	4128606.38	0.007	0.090	0.124	0.003	0.22368
595276.09	4128606.38	0.007	0.083	0.114	0.003	0.20714
595291.26	4128606.38	0.006	0.077	0.106	0.003	0.19217
595306.43	4128606.38	0.006	0.072	0.099	0.002	0.17861
595321.6	4128606.38	0.006	0.067	0.092	0.002	0.16630
595343.81	4128516.24	0.006	0.076	0.105	0.003	0.19012
595380.27	4128516.24	0.005	0.066	0.091	0.002	0.16423
595416.73	4128516.24	0.005	0.057	0.079	0.002	0.14251
595453.19	4128516.24	0.004	0.050	0.069	0.002	0.12425
595343.81	4128534.78	0.006	0.074	0.102	0.002	0.18396
595380.27	4128534.78	0.005	0.063	0.087	0.002	0.15819
595416.73	4128534.78	0.005	0.055	0.076	0.002	0.13680
595453.19	4128534.78	0.004	0.048	0.066	0.002	0.11896
595343.81	4128553.32	0.006	0.071	0.098	0.002	0.17655
595380.27	4128553.32	0.005	0.061	0.084	0.002	0.15127
595416.73	4128553.32	0.004	0.052	0.072	0.002	0.13048
595453.19	4128553.32	0.004	0.045	0.063	0.002	0.11326
595343.81	4128571.86	0.006	0.067	0.093	0.002	0.16808
595380.27	4128571.86	0.005	0.058	0.079	0.002	0.14365
595416.73	4128571.86	0.004	0.050	0.068	0.002	0.12370
595453.19	4128571.86	0.004	0.043	0.059	0.001	0.10728
595343.81	4128590.4	0.005	0.064	0.088	0.002	0.15877
595380.27	4128590.4	0.004	0.054	0.075	0.002	0.13548
595416.73	4128590.4	0.004	0.047	0.064	0.002	0.11655
595453.19	4128590.4	0.003	0.041	0.056	0.001	0.10111
595343.81	4128608.94	0.005	0.060	0.082	0.002	0.14870
595380.27	4128608.94	0.004	0.051	0.070	0.002	0.12654
595416.73	4128608.94	0.004	0.044	0.060	0.001	0.10897
595453.19	4128608.94	0.003	0.038	0.052	0.001	0.09467
595459.33	4128741.51	0.002	0.023	0.031	0.001	0.05665
595488.36	4128741.51	0.002	0.021	0.028	0.001	0.05183
595517.39	4128741.51	0.002	0.019	0.026	0.001	0.04771
595546.42	4128741.51	0.001	0.018	0.024	0.001	0.04430
595575.45	4128741.51	0.001	0.017	0.023	0.001	0.04154
595604.48	4128741.51	0.001	0.016	0.021	0.001	0.03883
595633.51	4128741.51	0.001	0.015	0.020	0.000	0.03632

595662.54	4128741.51	0.001	0.014	0.019	0.000	0.03405
595691.57	4128741.51	0.001	0.013	0.018	0.000	0.03201
595720.6	4128741.51	0.001	0.012	0.017	0.000	0.03019
595749.63	4128741.51	0.001	0.012	0.016	0.000	0.02852
595778.66	4128741.51	0.001	0.011	0.015	0.000	0.02697
595807.69	4128741.51	0.001	0.010	0.014	0.000	0.02554
595836.72	4128741.51	0.001	0.010	0.013	0.000	0.02422
595865.75	4128741.51	0.001	0.009	0.013	0.000	0.02300
595894.78	4128741.51	0.001	0.009	0.012	0.000	0.02188
595923.81	4128741.51	0.001	0.008	0.011	0.000	0.02085
595952.84	4128741.51	0.001	0.008	0.011	0.000	0.01989
595981.87	4128741.51	0.001	0.008	0.010	0.000	0.01900
596010.9	4128741.51	0.001	0.007	0.010	0.000	0.01817
596039.93	4128741.51	0.001	0.007	0.010	0.000	0.01739
595459.33	4128760.66	0.002	0.021	0.029	0.001	0.05285
595488.36	4128760.66	0.002	0.020	0.027	0.001	0.04870
595517.39	4128760.66	0.002	0.018	0.025	0.001	0.04493
595546.42	4128760.66	0.001	0.017	0.023	0.001	0.04171
595575.45	4128760.66	0.001	0.016	0.021	0.001	0.03908
595604.48	4128760.66	0.001	0.015	0.020	0.000	0.03662
595633.51	4128760.66	0.001	0.014	0.019	0.000	0.03436
595662.54	4128760.66	0.001	0.013	0.018	0.000	0.03226
595691.57	4128760.66	0.001	0.012	0.017	0.000	0.03037
595720.6	4128760.66	0.001	0.012	0.016	0.000	0.02882
595749.63	4128760.66	0.001	0.011	0.015	0.000	0.02734
595778.66	4128760.66	0.001	0.011	0.014	0.000	0.02592
595807.69	4128760.66	0.001	0.010	0.013	0.000	0.02459
595836.72	4128760.66	0.001	0.009	0.013	0.000	0.02336
595865.75	4128760.66	0.001	0.009	0.012	0.000	0.02222
595894.78	4128760.66	0.001	0.009	0.012	0.000	0.02117
595923.81	4128760.66	0.001	0.008	0.011	0.000	0.02020
595952.84	4128760.66	0.001	0.008	0.011	0.000	0.01930
595981.87	4128760.66	0.001	0.008	0.010	0.000	0.01845
596010.9	4128760.66	0.001	0.007	0.010	0.000	0.01767
596039.93	4128760.66	0.001	0.007	0.009	0.000	0.01693
595459.33	4128779.81	0.002	0.020	0.027	0.001	0.04931
595488.36	4128779.81	0.002	0.019	0.025	0.001	0.04568
595517.39	4128779.81	0.001	0.017	0.023	0.001	0.04230
595546.42	4128779.81	0.001	0.016	0.022	0.001	0.03935
595575.45	4128779.81	0.001	0.015	0.020	0.000	0.03688
595604.48	4128779.81	0.001	0.014	0.019	0.000	0.03460
595633.51	4128779.81	0.001	0.013	0.018	0.000	0.03256
595662.54	4128779.81	0.001	0.012	0.017	0.000	0.03065
595691.57	4128779.81	0.001	0.012	0.016	0.000	0.02887



595720.6	4128779.81	0.001	0.011	0.015	0.000	0.02742
595749.63	4128779.81	0.001	0.011	0.014	0.000	0.02616
595778.66	4128779.81	0.001	0.010	0.014	0.000	0.02489
595807.69	4128779.81	0.001	0.010	0.013	0.000	0.02366
595836.72	4128779.81	0.001	0.009	0.012	0.000	0.02251
595865.75	4128779.81	0.001	0.009	0.012	0.000	0.02145
595894.78	4128779.81	0.001	0.008	0.011	0.000	0.02047
595923.81	4128779.81	0.001	0.008	0.011	0.000	0.01956
595952.84	4128779.81	0.001	0.008	0.010	0.000	0.01871
595981.87	4128779.81	0.001	0.007	0.010	0.000	0.01791
596010.9	4128779.81	0.001	0.007	0.009	0.000	0.01716
596039.93	4128779.81	0.001	0.007	0.009	0.000	0.01647
595459.33	4128798.96	0.002	0.019	0.025	0.001	0.04605
595488.36	4128798.96	0.001	0.017	0.023	0.001	0.04284
595517.39	4128798.96	0.001	0.016	0.022	0.001	0.03983
595546.42	4128798.96	0.001	0.015	0.020	0.000	0.03715
595575.45	4128798.96	0.001	0.014	0.019	0.000	0.03486
595604.48	4128798.96	0.001	0.013	0.018	0.000	0.03274
595633.51	4128798.96	0.001	0.013	0.017	0.000	0.03092
595662.54	4128798.96	0.001	0.012	0.016	0.000	0.02919
595691.57	4128798.96	0.001	0.011	0.015	0.000	0.02749
595720.6	4128798.96	0.001	0.011	0.014	0.000	0.02604
595749.63	4128798.96	0.001	0.010	0.014	0.000	0.02497
595778.66	4128798.96	0.001	0.010	0.013	0.000	0.02385
595807.69	4128798.96	0.001	0.009	0.012	0.000	0.02272
595836.72	4128798.96	0.001	0.009	0.012	0.000	0.02166
595865.75	4128798.96	0.001	0.008	0.011	0.000	0.02069
595894.78	4128798.96	0.001	0.008	0.011	0.000	0.01978
595923.81	4128798.96	0.001	0.008	0.010	0.000	0.01892
595952.84	4128798.96	0.001	0.007	0.010	0.000	0.01812
595981.87	4128798.96	0.001	0.007	0.009	0.000	0.01737
596010.9	4128798.96	0.001	0.007	0.009	0.000	0.01666
596039.93	4128798.96	0.001	0.007	0.009	0.000	0.01600
595459.33	4128818.11	0.001	0.018	0.023	0.001	0.04309
595488.36	4128818.11	0.001	0.016	0.022	0.001	0.04020
595517.39	4128818.11	0.001	0.015	0.020	0.000	0.03747
595546.42	4128818.11	0.001	0.014	0.019	0.000	0.03504
595575.45	4128818.11	0.001	0.013	0.018	0.000	0.03300
595604.48	4128818.11	0.001	0.013	0.017	0.000	0.03103
595633.51	4128818.11	0.001	0.012	0.016	0.000	0.02946
595662.54	4128818.11	0.001	0.011	0.015	0.000	0.02786
595691.57	4128818.11	0.001	0.011	0.014	0.000	0.02627
595720.6	4128818.11	0.001	0.010	0.014	0.000	0.02494
595749.63	4128818.11	0.001	0.010	0.013	0.000	0.02383

595778.66	4128818.11	0.001	0.009	0.012	0.000	0.02272
595807.69	4128818.11	0.001	0.009	0.012	0.000	0.02165
595836.72	4128818.11	0.001	0.008	0.011	0.000	0.02076
595865.75	4128818.11	0.001	0.008	0.011	0.000	0.01993
595894.78	4128818.11	0.001	0.008	0.010	0.000	0.01909
595923.81	4128818.11	0.001	0.007	0.010	0.000	0.01829
595952.84	4128818.11	0.001	0.007	0.010	0.000	0.01753
595981.87	4128818.11	0.001	0.007	0.009	0.000	0.01683
596010.9	4128818.11	0.001	0.007	0.009	0.000	0.01616
596039.93	4128818.11	0.001	0.006	0.008	0.000	0.01553
595459.33	4128837.26	0.001	0.017	0.022	0.001	0.04043
595488.36	4128837.26	0.001	0.015	0.021	0.001	0.03779
595517.39	4128837.26	0.001	0.014	0.019	0.000	0.03530
595546.42	4128837.26	0.001	0.014	0.018	0.000	0.03311
595575.45	4128837.26	0.001	0.013	0.017	0.000	0.03132
595604.48	4128837.26	0.001	0.012	0.016	0.000	0.02952
595633.51	4128837.26	0.001	0.011	0.015	0.000	0.02807
595662.54	4128837.26	0.001	0.011	0.014	0.000	0.02663
595691.57	4128837.26	0.001	0.010	0.014	0.000	0.02518
595720.6	4128837.26	0.001	0.010	0.013	0.000	0.02393
595749.63	4128837.26	0.001	0.009	0.012	0.000	0.02278
595778.66	4128837.26	0.001	0.009	0.012	0.000	0.02168
595807.69	4128837.26	0.001	0.008	0.011	0.000	0.02068
595836.72	4128837.26	0.001	0.008	0.011	0.000	0.01987
595865.75	4128837.26	0.001	0.008	0.010	0.000	0.01916
595894.78	4128837.26	0.001	0.008	0.010	0.000	0.01840
595923.81	4128837.26	0.001	0.007	0.010	0.000	0.01766
595952.84	4128837.26	0.001	0.007	0.009	0.000	0.01695
595981.87	4128837.26	0.001	0.007	0.009	0.000	0.01628
596010.9	4128837.26	0.001	0.006	0.009	0.000	0.01565
596039.93	4128837.26	0.001	0.006	0.008	0.000	0.01506
595459.33	4128856.41	0.001	0.016	0.021	0.001	0.03807
595488.36	4128856.41	0.001	0.015	0.019	0.000	0.03562
595517.39	4128856.41	0.001	0.014	0.018	0.000	0.03334
595546.42	4128856.41	0.001	0.013	0.017	0.000	0.03134
595575.45	4128856.41	0.001	0.012	0.016	0.000	0.02982
595604.48	4128856.41	0.001	0.012	0.015	0.000	0.02818
595633.51	4128856.41	0.001	0.011	0.015	0.000	0.02678
595662.54	4128856.41	0.001	0.010	0.014	0.000	0.02547
595691.57	4128856.41	0.001	0.010	0.013	0.000	0.02418
595720.6	4128856.41	0.001	0.009	0.012	0.000	0.02299
595749.63	4128856.41	0.001	0.009	0.012	0.000	0.02182
595778.66	4128856.41	0.001	0.008	0.011	0.000	0.02075
595807.69	4128856.41	0.001	0.008	0.011	0.000	0.01982

595836.72	4128856.41	0.001	0.008	0.010	0.000	0.01902
595865.75	4128856.41	0.001	0.008	0.010	0.000	0.01837
595894.78	4128856.41	0.001	0.007	0.010	0.000	0.01772
595923.81	4128856.41	0.001	0.007	0.009	0.000	0.01703
595952.84	4128856.41	0.001	0.007	0.009	0.000	0.01636
595981.87	4128856.41	0.001	0.006	0.009	0.000	0.01573
596010.9	4128856.41	0.001	0.006	0.008	0.000	0.01514
596039.93	4128856.41	0.000	0.006	0.008	0.000	0.01458
595459.33	4128875.56	0.001	0.015	0.020	0.000	0.03603
595488.36	4128875.56	0.001	0.014	0.018	0.000	0.03375
595517.39	4128875.56	0.001	0.013	0.017	0.000	0.03173
595546.42	4128875.56	0.001	0.012	0.016	0.000	0.02997
595575.45	4128875.56	0.001	0.012	0.015	0.000	0.02834
595604.48	4128875.56	0.001	0.011	0.015	0.000	0.02688
595633.51	4128875.56	0.001	0.010	0.014	0.000	0.02557
595662.54	4128875.56	0.001	0.010	0.013	0.000	0.02432
595691.57	4128875.56	0.001	0.009	0.013	0.000	0.02313
595720.6	4128875.56	0.001	0.009	0.012	0.000	0.02204
595749.63	4128875.56	0.001	0.009	0.011	0.000	0.02102
595778.66	4128875.56	0.001	0.008	0.011	0.000	0.02007
595807.69	4128875.56	0.001	0.008	0.010	0.000	0.01914
595836.72	4128875.56	0.001	0.008	0.010	0.000	0.01831
595865.75	4128875.56	0.001	0.007	0.010	0.000	0.01765
595894.78	4128875.56	0.001	0.007	0.009	0.000	0.01700
595923.81	4128875.56	0.001	0.007	0.009	0.000	0.01640
595952.84	4128875.56	0.001	0.006	0.009	0.000	0.01579
595981.87	4128875.56	0.001	0.006	0.008	0.000	0.01519
596010.9	4128875.56	0.000	0.006	0.008	0.000	0.01463
596039.93	4128875.56	0.000	0.006	0.008	0.000	0.01410
595459.33	4128894.71	0.001	0.014	0.019	0.000	0.03435
595488.36	4128894.71	0.001	0.013	0.017	0.000	0.03220
595517.39	4128894.71	0.001	0.012	0.016	0.000	0.03036
595546.42	4128894.71	0.001	0.012	0.016	0.000	0.02870
595575.45	4128894.71	0.001	0.011	0.015	0.000	0.02709
595604.48	4128894.71	0.001	0.011	0.014	0.000	0.02572
595633.51	4128894.71	0.001	0.010	0.013	0.000	0.02447
595662.54	4128894.71	0.001	0.010	0.013	0.000	0.02328
595691.57	4128894.71	0.001	0.009	0.012	0.000	0.02216
595720.6	4128894.71	0.001	0.009	0.011	0.000	0.02114
595749.63	4128894.71	0.001	0.008	0.011	0.000	0.02021
595778.66	4128894.71	0.001	0.008	0.010	0.000	0.01934
595807.69	4128894.71	0.001	0.008	0.010	0.000	0.01844
595836.72	4128894.71	0.001	0.007	0.010	0.000	0.01763
595865.75	4128894.71	0.001	0.007	0.009	0.000	0.01696

595894.78	4128894.71	0.001	0.007	0.009	0.000	0.01633
595923.81	4128894.71	0.001	0.006	0.009	0.000	0.01579
595952.84	4128894.71	0.001	0.006	0.008	0.000	0.01522
595981.87	4128894.71	0.000	0.006	0.008	0.000	0.01466
596010.9	4128894.71	0.000	0.006	0.008	0.000	0.01413
596039.93	4128894.71	0.000	0.006	0.007	0.000	0.01362
595459.33	4128913.86	0.001	0.014	0.018	0.000	0.03303
595488.36	4128913.86	0.001	0.013	0.017	0.000	0.03098
595517.39	4128913.86	0.001	0.012	0.016	0.000	0.02922
595546.42	4128913.86	0.001	0.011	0.015	0.000	0.02758
595575.45	4128913.86	0.001	0.011	0.014	0.000	0.02607
595604.48	4128913.86	0.001	0.010	0.013	0.000	0.02472
595633.51	4128913.86	0.001	0.010	0.013	0.000	0.02348
595662.54	4128913.86	0.001	0.009	0.012	0.000	0.02234
595691.57	4128913.86	0.001	0.009	0.012	0.000	0.02128
595720.6	4128913.86	0.001	0.008	0.011	0.000	0.02032
595749.63	4128913.86	0.001	0.008	0.011	0.000	0.01943
595778.66	4128913.86	0.001	0.008	0.010	0.000	0.01859
595807.69	4128913.86	0.001	0.007	0.010	0.000	0.01776
595836.72	4128913.86	0.001	0.007	0.009	0.000	0.01700
595865.75	4128913.86	0.001	0.007	0.009	0.000	0.01633
595894.78	4128913.86	0.001	0.006	0.009	0.000	0.01574
595923.81	4128913.86	0.001	0.006	0.008	0.000	0.01521
595952.84	4128913.86	0.000	0.006	0.008	0.000	0.01467
595981.87	4128913.86	0.000	0.006	0.008	0.000	0.01414
596010.9	4128913.86	0.000	0.006	0.007	0.000	0.01363
596039.93	4128913.86	0.000	0.005	0.007	0.000	0.01315
595459.33	4128933.01	0.001	0.013	0.017	0.000	0.03207
595488.36	4128933.01	0.001	0.012	0.016	0.000	0.03006
595517.39	4128933.01	0.001	0.012	0.015	0.000	0.02828
595546.42	4128933.01	0.001	0.011	0.014	0.000	0.02666
595575.45	4128933.01	0.001	0.010	0.014	0.000	0.02520
595604.48	4128933.01	0.001	0.010	0.013	0.000	0.02387
595633.51	4128933.01	0.001	0.009	0.012	0.000	0.02265
595662.54	4128933.01	0.001	0.009	0.012	0.000	0.02154
595691.57	4128933.01	0.001	0.008	0.011	0.000	0.02052
595720.6	4128933.01	0.001	0.008	0.011	0.000	0.01958
595749.63	4128933.01	0.001	0.008	0.010	0.000	0.01872
595778.66	4128933.01	0.001	0.007	0.010	0.000	0.01790
595807.69	4128933.01	0.001	0.007	0.009	0.000	0.01710
595836.72	4128933.01	0.001	0.007	0.009	0.000	0.01638
595865.75	4128933.01	0.001	0.006	0.009	0.000	0.01574
595894.78	4128933.01	0.001	0.006	0.008	0.000	0.01517
595923.81	4128933.01	0.000	0.006	0.008	0.000	0.01466

595952.84	4128933.01	0.000	0.006	0.008	0.000	0.01415
595981.87	4128933.01	0.000	0.006	0.007	0.000	0.01364
596010.9	4128933.01	0.000	0.005	0.007	0.000	0.01315
596039.93	4128933.01	0.000	0.005	0.007	0.000	0.01269
595459.33	4128952.16	0.001	0.013	0.017	0.000	0.03136
595488.36	4128952.16	0.001	0.012	0.016	0.000	0.02938
595517.39	4128952.16	0.001	0.011	0.015	0.000	0.02757
595546.42	4128952.16	0.001	0.011	0.014	0.000	0.02595
595575.45	4128952.16	0.001	0.010	0.013	0.000	0.02450
595604.48	4128952.16	0.001	0.010	0.012	0.000	0.02317
595633.51	4128952.16	0.001	0.009	0.012	0.000	0.02196
595662.54	4128952.16	0.001	0.009	0.011	0.000	0.02087
595691.57	4128952.16	0.001	0.008	0.011	0.000	0.01987
595720.6	4128952.16	0.001	0.008	0.010	0.000	0.01895
595749.63	4128952.16	0.001	0.007	0.010	0.000	0.01809
595778.66	4128952.16	0.001	0.007	0.009	0.000	0.01728
595807.69	4128952.16	0.001	0.007	0.009	0.000	0.01652
595836.72	4128952.16	0.001	0.007	0.009	0.000	0.01582
595865.75	4128952.16	0.001	0.006	0.008	0.000	0.01518
595894.78	4128952.16	0.000	0.006	0.008	0.000	0.01462
595923.81	4128952.16	0.000	0.006	0.008	0.000	0.01414
595952.84	4128952.16	0.000	0.006	0.007	0.000	0.01365
595981.87	4128952.16	0.000	0.005	0.007	0.000	0.01317
596010.9	4128952.16	0.000	0.005	0.007	0.000	0.01270
596039.93	4128952.16	0.000	0.005	0.007	0.000	0.01226
595459.33	4128971.31	0.001	0.013	0.017	0.000	0.03089
595488.36	4128971.31	0.001	0.012	0.015	0.000	0.02887
595517.39	4128971.31	0.001	0.011	0.015	0.000	0.02706
595546.42	4128971.31	0.001	0.011	0.014	0.000	0.02543
595575.45	4128971.31	0.001	0.010	0.013	0.000	0.02397
595604.48	4128971.31	0.001	0.009	0.012	0.000	0.02264
595633.51	4128971.31	0.001	0.009	0.012	0.000	0.02144
595662.54	4128971.31	0.001	0.008	0.011	0.000	0.02034
595691.57	4128971.31	0.001	0.008	0.010	0.000	0.01933
595720.6	4128971.31	0.001	0.008	0.010	0.000	0.01841
595749.63	4128971.31	0.001	0.007	0.009	0.000	0.01755
595778.66	4128971.31	0.001	0.007	0.009	0.000	0.01675
595807.69	4128971.31	0.001	0.007	0.009	0.000	0.01601
595836.72	4128971.31	0.001	0.006	0.008	0.000	0.01533
595865.75	4128971.31	0.001	0.006	0.008	0.000	0.01468
595894.78	4128971.31	0.000	0.006	0.008	0.000	0.01409
595923.81	4128971.31	0.000	0.006	0.007	0.000	0.01362
595952.84	4128971.31	0.000	0.005	0.007	0.000	0.01318
595981.87	4128971.31	0.000	0.005	0.007	0.000	0.01272

596010.9	4128971.31	0.000	0.005	0.007	0.000	0.01227
596039.93	4128971.31	0.000	0.005	0.006	0.000	0.01184
595459.33	4128990.46	0.001	0.013	0.016	0.000	0.03058
595488.36	4128990.46	0.001	0.012	0.015	0.000	0.02855
595517.39	4128990.46	0.001	0.011	0.014	0.000	0.02672
595546.42	4128990.46	0.001	0.010	0.013	0.000	0.02508
595575.45	4128990.46	0.001	0.010	0.013	0.000	0.02360
595604.48	4128990.46	0.001	0.009	0.012	0.000	0.02226
595633.51	4128990.46	0.001	0.009	0.011	0.000	0.02104
595662.54	4128990.46	0.001	0.008	0.011	0.000	0.01993
595691.57	4128990.46	0.001	0.008	0.010	0.000	0.01892
595720.6	4128990.46	0.001	0.007	0.010	0.000	0.01798
595749.63	4128990.46	0.001	0.007	0.009	0.000	0.01712
595778.66	4128990.46	0.001	0.007	0.009	0.000	0.01632
595807.69	4128990.46	0.001	0.006	0.008	0.000	0.01559
595836.72	4128990.46	0.001	0.006	0.008	0.000	0.01493
595865.75	4128990.46	0.000	0.006	0.008	0.000	0.01429
595894.78	4128990.46	0.000	0.006	0.007	0.000	0.01367
595923.81	4128990.46	0.000	0.005	0.007	0.000	0.01315
595952.84	4128990.46	0.000	0.005	0.007	0.000	0.01271
595981.87	4128990.46	0.000	0.005	0.007	0.000	0.01231
596010.9	4128990.46	0.000	0.005	0.006	0.000	0.01188
596039.93	4128990.46	0.000	0.005	0.006	0.000	0.01145
595459.33	4129009.61	0.001	0.013	0.016	0.000	0.03041
595488.36	4129009.61	0.001	0.012	0.015	0.000	0.02836
595517.39	4129009.61	0.001	0.011	0.014	0.000	0.02652
595546.42	4129009.61	0.001	0.010	0.013	0.000	0.02486
595575.45	4129009.61	0.001	0.010	0.013	0.000	0.02336
595604.48	4129009.61	0.001	0.009	0.012	0.000	0.02200
595633.51	4129009.61	0.001	0.009	0.011	0.000	0.02077
595662.54	4129009.61	0.001	0.008	0.011	0.000	0.01965
595691.57	4129009.61	0.001	0.008	0.010	0.000	0.01861
595720.6	4129009.61	0.001	0.007	0.009	0.000	0.01766
595749.63	4129009.61	0.001	0.007	0.009	0.000	0.01678
595778.66	4129009.61	0.001	0.007	0.009	0.000	0.01598
595807.69	4129009.61	0.001	0.006	0.008	0.000	0.01525
595836.72	4129009.61	0.001	0.006	0.008	0.000	0.01461
595865.75	4129009.61	0.000	0.006	0.008	0.000	0.01397
595894.78	4129009.61	0.000	0.006	0.007	0.000	0.01333
595923.81	4129009.61	0.000	0.005	0.007	0.000	0.01275
595952.84	4129009.61	0.000	0.005	0.007	0.000	0.01227
595981.87	4129009.61	0.000	0.005	0.006	0.000	0.01192
596010.9	4129009.61	0.000	0.005	0.006	0.000	0.01151
596039.93	4129009.61	0.000	0.005	0.006	0.000	0.01109

595459.33	4129028.76	0.001	0.013	0.016	0.000	0.03036
595488.36	4129028.76	0.001	0.012	0.015	0.000	0.02828
595517.39	4129028.76	0.001	0.011	0.014	0.000	0.02643
595546.42	4129028.76	0.001	0.010	0.013	0.000	0.02475
595575.45	4129028.76	0.001	0.010	0.012	0.000	0.02324
595604.48	4129028.76	0.001	0.009	0.012	0.000	0.02186
595633.51	4129028.76	0.001	0.009	0.011	0.000	0.02061
595662.54	4129028.76	0.001	0.008	0.010	0.000	0.01945
595691.57	4129028.76	0.001	0.008	0.010	0.000	0.01840
595720.6	4129028.76	0.001	0.007	0.009	0.000	0.01743
595749.63	4129028.76	0.001	0.007	0.009	0.000	0.01653
595778.66	4129028.76	0.001	0.007	0.008	0.000	0.01572
595807.69	4129028.76	0.001	0.006	0.008	0.000	0.01500
595836.72	4129028.76	0.000	0.006	0.008	0.000	0.01432
595865.75	4129028.76	0.000	0.006	0.007	0.000	0.01367
595894.78	4129028.76	0.000	0.005	0.007	0.000	0.01308
595923.81	4129028.76	0.000	0.005	0.007	0.000	0.01252
595952.84	4129028.76	0.000	0.005	0.006	0.000	0.01194
595981.87	4129028.76	0.000	0.005	0.006	0.000	0.01152
596010.9	4129028.76	0.000	0.005	0.006	0.000	0.01117
596039.93	4129028.76	0.000	0.004	0.006	0.000	0.01076
595459.33	4129047.91	0.001	0.013	0.016	0.000	0.03039
595488.36	4129047.91	0.001	0.012	0.015	0.000	0.02829
595517.39	4129047.91	0.001	0.011	0.014	0.000	0.02641
595546.42	4129047.91	0.001	0.010	0.013	0.000	0.02472
595575.45	4129047.91	0.001	0.010	0.012	0.000	0.02319
595604.48	4129047.91	0.001	0.009	0.012	0.000	0.02179
595633.51	4129047.91	0.001	0.009	0.011	0.000	0.02052
595662.54	4129047.91	0.001	0.008	0.010	0.000	0.01935
595691.57	4129047.91	0.001	0.008	0.010	0.000	0.01827
595720.6	4129047.91	0.001	0.007	0.009	0.000	0.01728
595749.63	4129047.91	0.001	0.007	0.009	0.000	0.01637
595778.66	4129047.91	0.001	0.006	0.008	0.000	0.01555
595807.69	4129047.91	0.001	0.006	0.008	0.000	0.01480
595836.72	4129047.91	0.000	0.006	0.008	0.000	0.01410
595865.75	4129047.91	0.000	0.006	0.007	0.000	0.01344
595894.78	4129047.91	0.000	0.005	0.007	0.000	0.01285
595923.81	4129047.91	0.000	0.005	0.007	0.000	0.01226
595952.84	4129047.91	0.000	0.005	0.006	0.000	0.01165
595981.87	4129047.91	0.000	0.005	0.006	0.000	0.01121
596010.9	4129047.91	0.000	0.004	0.006	0.000	0.01087
596039.93	4129047.91	0.000	0.004	0.006	0.000	0.01047
595459.33	4129067.06	0.001	0.013	0.016	0.000	0.03052
595488.36	4129067.06	0.001	0.012	0.015	0.000	0.02836

595517.39	4129067.06	0.001	0.011	0.014	0.000	0.02645
595546.42	4129067.06	0.001	0.010	0.013	0.000	0.02475
595575.45	4129067.06	0.001	0.010	0.012	0.000	0.02321
595604.48	4129067.06	0.001	0.009	0.012	0.000	0.02180
595633.51	4129067.06	0.001	0.009	0.011	0.000	0.02050
595662.54	4129067.06	0.001	0.008	0.010	0.000	0.01930
595691.57	4129067.06	0.001	0.008	0.010	0.000	0.01821
595720.6	4129067.06	0.001	0.007	0.009	0.000	0.01720
595749.63	4129067.06	0.001	0.007	0.009	0.000	0.01628
595778.66	4129067.06	0.001	0.006	0.008	0.000	0.01545
595807.69	4129067.06	0.001	0.006	0.008	0.000	0.01467
595836.72	4129067.06	0.000	0.006	0.007	0.000	0.01393
595865.75	4129067.06	0.000	0.006	0.007	0.000	0.01326
595894.78	4129067.06	0.000	0.005	0.007	0.000	0.01265
595923.81	4129067.06	0.000	0.005	0.006	0.000	0.01201
595952.84	4129067.06	0.000	0.005	0.006	0.000	0.01140
595981.87	4129067.06	0.000	0.005	0.006	0.000	0.01099
596010.9	4129067.06	0.000	0.004	0.006	0.000	0.01062
596039.93	4129067.06	0.000	0.004	0.005	0.000	0.01020
595459.33	4129086.21	0.001	0.013	0.016	0.000	0.03075
595488.36	4129086.21	0.001	0.012	0.015	0.000	0.02850
595517.39	4129086.21	0.001	0.011	0.014	0.000	0.02655
595546.42	4129086.21	0.001	0.010	0.013	0.000	0.02482
595575.45	4129086.21	0.001	0.010	0.012	0.000	0.02326
595604.48	4129086.21	0.001	0.009	0.012	0.000	0.02184
595633.51	4129086.21	0.001	0.009	0.011	0.000	0.02052
595662.54	4129086.21	0.001	0.008	0.010	0.000	0.01931
595691.57	4129086.21	0.001	0.008	0.010	0.000	0.01820
595720.6	4129086.21	0.001	0.007	0.009	0.000	0.01719
595749.63	4129086.21	0.001	0.007	0.009	0.000	0.01625
595778.66	4129086.21	0.001	0.006	0.008	0.000	0.01539
595807.69	4129086.21	0.001	0.006	0.008	0.000	0.01459
595836.72	4129086.21	0.000	0.006	0.007	0.000	0.01383
595865.75	4129086.21	0.000	0.005	0.007	0.000	0.01313
595894.78	4129086.21	0.000	0.005	0.007	0.000	0.01250
595923.81	4129086.21	0.000	0.005	0.006	0.000	0.01189
595952.84	4129086.21	0.000	0.005	0.006	0.000	0.01129
595981.87	4129086.21	0.000	0.004	0.006	0.000	0.01078
596010.9	4129086.21	0.000	0.004	0.006	0.000	0.01036
596039.93	4129086.21	0.000	0.004	0.005	0.000	0.00997
595459.33	4129105.36	0.001	0.013	0.016	0.000	0.03111
595488.36	4129105.36	0.001	0.012	0.015	0.000	0.02873
595517.39	4129105.36	0.001	0.011	0.014	0.000	0.02670
595546.42	4129105.36	0.001	0.011	0.013	0.000	0.02493



595575.45	4129105.36	0.001	0.010	0.012	0.000	0.02334
595604.48	4129105.36	0.001	0.009	0.012	0.000	0.02190
595633.51	4129105.36	0.001	0.009	0.011	0.000	0.02057
595662.54	4129105.36	0.001	0.008	0.010	0.000	0.01936
595691.57	4129105.36	0.001	0.008	0.010	0.000	0.01824
595720.6	4129105.36	0.001	0.007	0.009	0.000	0.01721
595749.63	4129105.36	0.001	0.007	0.009	0.000	0.01625
595778.66	4129105.36	0.001	0.006	0.008	0.000	0.01537
595807.69	4129105.36	0.001	0.006	0.008	0.000	0.01454
595836.72	4129105.36	0.000	0.006	0.007	0.000	0.01377
595865.75	4129105.36	0.000	0.005	0.007	0.000	0.01305
595894.78	4129105.36	0.000	0.005	0.007	0.000	0.01239
595923.81	4129105.36	0.000	0.005	0.006	0.000	0.01178
595952.84	4129105.36	0.000	0.005	0.006	0.000	0.01118
595981.87	4129105.36	0.000	0.004	0.006	0.000	0.01061
596010.9	4129105.36	0.000	0.004	0.005	0.000	0.01014
596039.93	4129105.36	0.000	0.004	0.005	0.000	0.00976
595459.33	4129124.51	0.001	0.013	0.017	0.000	0.03163
595488.36	4129124.51	0.001	0.012	0.015	0.000	0.02906
595517.39	4129124.51	0.001	0.011	0.014	0.000	0.02693
595546.42	4129124.51	0.001	0.011	0.013	0.000	0.02509
595575.45	4129124.51	0.001	0.010	0.012	0.000	0.02346
595604.48	4129124.51	0.001	0.009	0.012	0.000	0.02199
595633.51	4129124.51	0.001	0.009	0.011	0.000	0.02064
595662.54	4129124.51	0.001	0.008	0.010	0.000	0.01942
595691.57	4129124.51	0.001	0.008	0.010	0.000	0.01829
595720.6	4129124.51	0.001	0.007	0.009	0.000	0.01725
595749.63	4129124.51	0.001	0.007	0.009	0.000	0.01628
595778.66	4129124.51	0.001	0.006	0.008	0.000	0.01537
595807.69	4129124.51	0.001	0.006	0.008	0.000	0.01452
595836.72	4129124.51	0.000	0.006	0.007	0.000	0.01373
595865.75	4129124.51	0.000	0.005	0.007	0.000	0.01300
595894.78	4129124.51	0.000	0.005	0.007	0.000	0.01232
595923.81	4129124.51	0.000	0.005	0.006	0.000	0.01168
595952.84	4129124.51	0.000	0.005	0.006	0.000	0.01106
595981.87	4129124.51	0.000	0.004	0.006	0.000	0.01049
596010.9	4129124.51	0.000	0.004	0.005	0.000	0.01000
596039.93	4129124.51	0.000	0.004	0.005	0.000	0.00955
595249.89	4128695.55	0.005	0.063	0.086	0.002	0.15642
595290.33	4128695.55	0.004	0.052	0.071	0.002	0.12903
595330.77	4128695.55	0.004	0.044	0.060	0.001	0.10823
595371.21	4128695.55	0.003	0.037	0.051	0.001	0.09210
595411.65	4128695.55	0.003	0.032	0.043	0.001	0.07905
595452.09	4128695.55	0.002	0.028	0.038	0.001	0.06865

595249.89	4128726.21	0.004	0.053	0.072	0.002	0.13104
595290.33	4128726.21	0.004	0.044	0.060	0.001	0.10966
595330.77	4128726.21	0.003	0.038	0.051	0.001	0.09320
595371.21	4128726.21	0.003	0.032	0.044	0.001	0.08026
595411.65	4128726.21	0.002	0.028	0.038	0.001	0.06985
595452.09	4128726.21	0.002	0.025	0.034	0.001	0.06128
595249.89	4128756.87	0.004	0.044	0.060	0.001	0.10935
595290.33	4128756.87	0.003	0.038	0.051	0.001	0.09303
595330.77	4128756.87	0.003	0.032	0.044	0.001	0.08021
595371.21	4128756.87	0.002	0.028	0.038	0.001	0.06997
595411.65	4128756.87	0.002	0.025	0.034	0.001	0.06161
595452.09	4128756.87	0.002	0.022	0.030	0.001	0.05469
595249.89	4128787.53	0.003	0.037	0.050	0.001	0.09184
595290.33	4128787.53	0.003	0.032	0.043	0.001	0.07939
595330.77	4128787.53	0.002	0.028	0.038	0.001	0.06939
595371.21	4128787.53	0.002	0.025	0.033	0.001	0.06123
595411.65	4128787.53	0.002	0.022	0.030	0.001	0.05450
595452.09	4128787.53	0.002	0.020	0.027	0.001	0.04887
595249.89	4128818.19	0.003	0.032	0.043	0.001	0.07850
595290.33	4128818.19	0.002	0.028	0.037	0.001	0.06867
595330.77	4128818.19	0.002	0.025	0.033	0.001	0.06066
595371.21	4128818.19	0.002	0.022	0.029	0.001	0.05404
595411.65	4128818.19	0.002	0.020	0.026	0.001	0.04852
595452.09	4128818.19	0.001	0.018	0.024	0.001	0.04384
595249.89	4128848.85	0.002	0.028	0.037	0.001	0.06904
595290.33	4128848.85	0.002	0.025	0.033	0.001	0.06077
595330.77	4128848.85	0.002	0.022	0.029	0.001	0.05399
595371.21	4128848.85	0.002	0.020	0.026	0.001	0.04838
595411.65	4128848.85	0.001	0.018	0.024	0.001	0.04366
595452.09	4128848.85	0.001	0.016	0.022	0.001	0.03962
595249.89	4128879.51	0.002	0.026	0.034	0.001	0.06287
595290.33	4128879.51	0.002	0.023	0.030	0.001	0.05537
595330.77	4128879.51	0.002	0.020	0.027	0.001	0.04925
595371.21	4128879.51	0.002	0.018	0.024	0.001	0.04420
595411.65	4128879.51	0.001	0.016	0.022	0.001	0.03994
595452.09	4128879.51	0.001	0.015	0.020	0.000	0.03626
595249.89	4128910.17	0.002	0.025	0.032	0.001	0.05931
595290.33	4128910.17	0.002	0.022	0.028	0.001	0.05204
595330.77	4128910.17	0.002	0.019	0.025	0.001	0.04619
595371.21	4128910.17	0.001	0.017	0.022	0.001	0.04136
595411.65	4128910.17	0.001	0.015	0.020	0.000	0.03731
595452.09	4128910.17	0.001	0.014	0.018	0.000	0.03383
595249.89	4128940.83	0.002	0.024	0.031	0.001	0.05770
595290.33	4128940.83	0.002	0.021	0.027	0.001	0.05025

595330.77	4128940.83	0.002	0.018	0.024	0.001	0.04442
595371.21	4128940.83	0.001	0.016	0.021	0.001	0.03965
595411.65	4128940.83	0.001	0.015	0.019	0.000	0.03564
595452.09	4128940.83	0.001	0.013	0.017	0.000	0.03228
595370.31	4128948.01	0.001	0.016	0.021	0.001	0.03946
595402.84	4128948.01	0.001	0.015	0.019	0.000	0.03617
595435.37	4128948.01	0.001	0.014	0.018	0.000	0.03332
595370.31	4128976.76	0.001	0.016	0.021	0.001	0.03872
595402.84	4128976.76	0.001	0.015	0.019	0.000	0.03542
595435.37	4128976.76	0.001	0.014	0.017	0.000	0.03263
595370.31	4129005.51	0.001	0.016	0.021	0.000	0.03853
595402.84	4129005.51	0.001	0.015	0.019	0.000	0.03517
595435.37	4129005.51	0.001	0.014	0.017	0.000	0.03232
595370.31	4129034.26	0.001	0.016	0.021	0.000	0.03884
595402.84	4129034.26	0.001	0.015	0.019	0.000	0.03527
595435.37	4129034.26	0.001	0.014	0.017	0.000	0.03228
595370.31	4129063.01	0.001	0.017	0.021	0.001	0.03969
595402.84	4129063.01	0.001	0.015	0.019	0.000	0.03570
595435.37	4129063.01	0.001	0.014	0.017	0.000	0.03250
595370.31	4129091.76	0.001	0.018	0.022	0.001	0.04139
595402.84	4129091.76	0.001	0.016	0.019	0.000	0.03665
595435.37	4129091.76	0.001	0.014	0.017	0.000	0.03303
595548.86	4129154.91	0.001	0.011	0.013	0.000	0.02530
595605.25	4129154.91	0.001	0.009	0.012	0.000	0.02213
595661.64	4129154.91	0.001	0.008	0.010	0.000	0.01958
595718.03	4129154.91	0.001	0.007	0.009	0.000	0.01743
595548.86	4129180.69	0.001	0.011	0.014	0.000	0.02578
595605.25	4129180.69	0.001	0.010	0.012	0.000	0.02236
595661.64	4129180.69	0.001	0.008	0.010	0.000	0.01971
595718.03	4129180.69	0.001	0.007	0.009	0.000	0.01749
595548.86	4129206.47	0.001	0.011	0.014	0.000	0.02650
595605.25	4129206.47	0.001	0.010	0.012	0.000	0.02268
595661.64	4129206.47	0.001	0.008	0.010	0.000	0.01985
595718.03	4129206.47	0.001	0.007	0.009	0.000	0.01754
595548.86	4129232.25	0.001	0.012	0.014	0.000	0.02757
595605.25	4129232.25	0.001	0.010	0.012	0.000	0.02316
595661.64	4129232.25	0.001	0.009	0.011	0.000	0.02003
595718.03	4129232.25	0.001	0.007	0.009	0.000	0.01758
595770.66	4129137.18	0.001	0.007	0.008	0.000	0.01563
595794.75	4129137.18	0.001	0.006	0.008	0.000	0.01490
595818.84	4129137.18	0.000	0.006	0.008	0.000	0.01420
595842.93	4129137.18	0.000	0.006	0.007	0.000	0.01355
595867.02	4129137.18	0.000	0.005	0.007	0.000	0.01294
595891.11	4129137.18	0.000	0.005	0.007	0.000	0.01236

595915.2	4129137.18	0.000	0.005	0.006	0.000	0.01182
595939.29	4129137.18	0.000	0.005	0.006	0.000	0.01129
595770.66	4129177.59	0.001	0.007	0.008	0.000	0.01568
595794.75	4129177.59	0.001	0.006	0.008	0.000	0.01492
595818.84	4129177.59	0.000	0.006	0.008	0.000	0.01420
595842.93	4129177.59	0.000	0.006	0.007	0.000	0.01352
595867.02	4129177.59	0.000	0.005	0.007	0.000	0.01288
595891.11	4129177.59	0.000	0.005	0.007	0.000	0.01227
595915.2	4129177.59	0.000	0.005	0.006	0.000	0.01169
595939.29	4129177.59	0.000	0.005	0.006	0.000	0.01114
595770.66	4129218	0.001	0.007	0.008	0.000	0.01568
595794.75	4129218	0.001	0.006	0.008	0.000	0.01490
595818.84	4129218	0.000	0.006	0.008	0.000	0.01415
595842.93	4129218	0.000	0.006	0.007	0.000	0.01345
595867.02	4129218	0.000	0.005	0.007	0.000	0.01279
595891.11	4129218	0.000	0.005	0.006	0.000	0.01216
595915.2	4129218	0.000	0.005	0.006	0.000	0.01157
595939.29	4129218	0.000	0.005	0.006	0.000	0.01102
595770.66	4129258.41	0.001	0.007	0.008	0.000	0.01557
595794.75	4129258.41	0.001	0.006	0.008	0.000	0.01475
595818.84	4129258.41	0.000	0.006	0.007	0.000	0.01398
595842.93	4129258.41	0.000	0.006	0.007	0.000	0.01326
595867.02	4129258.41	0.000	0.005	0.007	0.000	0.01259
595891.11	4129258.41	0.000	0.005	0.006	0.000	0.01196
595915.2	4129258.41	0.000	0.005	0.006	0.000	0.01138
595939.29	4129258.41	0.000	0.005	0.006	0.000	0.01083
595770.66	4129298.82	0.001	0.007	0.008	0.000	0.01537
595794.75	4129298.82	0.001	0.006	0.008	0.000	0.01447
595818.84	4129298.82	0.000	0.006	0.007	0.000	0.01365
595842.93	4129298.82	0.000	0.005	0.007	0.000	0.01291
595867.02	4129298.82	0.000	0.005	0.007	0.000	0.01223
595891.11	4129298.82	0.000	0.005	0.006	0.000	0.01161
595915.2	4129298.82	0.000	0.005	0.006	0.000	0.01104
595939.29	4129298.82	0.000	0.004	0.006	0.000	0.01050
595957.02	4129258.56	0.000	0.004	0.006	0.000	0.01045
596003.21	4129258.56	0.000	0.004	0.005	0.000	0.00954
595957.02	4129289.71	0.000	0.004	0.005	0.000	0.01022
596003.21	4129289.71	0.000	0.004	0.005	0.000	0.00935
595957.02	4129320.86	0.000	0.004	0.005	0.000	0.00990
596003.21	4129320.86	0.000	0.004	0.005	0.000	0.00908
595957.02	4129352.01	0.000	0.004	0.005	0.000	0.00948
596003.21	4129352.01	0.000	0.004	0.005	0.000	0.00873
595780.89	4129328.94	0.001	0.006	0.008	0.000	0.01472
595811.48	4129328.94	0.000	0.006	0.007	0.000	0.01355

595842.07	4129328.94	0.000	0.005	0.007	0.000	0.01255
595872.66	4129328.94	0.000	0.005	0.006	0.000	0.01168
595903.25	4129328.94	0.000	0.005	0.006	0.000	0.01092
595933.84	4129328.94	0.000	0.004	0.005	0.000	0.01026
595780.89	4129353.44	0.001	0.006	0.008	0.000	0.01445
595811.48	4129353.44	0.000	0.006	0.007	0.000	0.01319
595842.07	4129353.44	0.000	0.005	0.006	0.000	0.01215
595872.66	4129353.44	0.000	0.005	0.006	0.000	0.01127
595903.25	4129353.44	0.000	0.004	0.006	0.000	0.01052
595933.84	4129353.44	0.000	0.004	0.005	0.000	0.00989
595780.89	4129377.94	0.000	0.006	0.007	0.000	0.01410
595811.48	4129377.94	0.000	0.005	0.007	0.000	0.01275
595842.07	4129377.94	0.000	0.005	0.006	0.000	0.01166
595872.66	4129377.94	0.000	0.005	0.006	0.000	0.01078
595903.25	4129377.94	0.000	0.004	0.005	0.000	0.01006
595933.84	4129377.94	0.000	0.004	0.005	0.000	0.00945
595780.89	4129402.44	0.000	0.006	0.007	0.000	0.01364
595811.48	4129402.44	0.000	0.005	0.006	0.000	0.01220
595842.07	4129402.44	0.000	0.005	0.006	0.000	0.01109
595872.66	4129402.44	0.000	0.004	0.005	0.000	0.01022
595903.25	4129402.44	0.000	0.004	0.005	0.000	0.00953
595933.84	4129402.44	0.000	0.004	0.005	0.000	0.00898
595780.89	4129426.94	0.000	0.006	0.007	0.000	0.01300
595811.48	4129426.94	0.000	0.005	0.006	0.000	0.01153
595842.07	4129426.94	0.000	0.004	0.006	0.000	0.01044
595872.66	4129426.94	0.000	0.004	0.005	0.000	0.00962
595903.25	4129426.94	0.000	0.004	0.005	0.000	0.00898
595933.84	4129426.94	0.000	0.004	0.005	0.000	0.00848
595780.89	4129451.44	0.000	0.005	0.006	0.000	0.01218
595811.48	4129451.44	0.000	0.005	0.006	0.000	0.01077
595842.07	4129451.44	0.000	0.004	0.005	0.000	0.00975
595872.66	4129451.44	0.000	0.004	0.005	0.000	0.00900
595903.25	4129451.44	0.000	0.004	0.005	0.000	0.00843
595933.84	4129451.44	0.000	0.003	0.004	0.000	0.00799
595780.89	4129475.94	0.000	0.005	0.006	0.000	0.01123
595811.48	4129475.94	0.000	0.004	0.005	0.000	0.00998
595842.07	4129475.94	0.000	0.004	0.005	0.000	0.00908
595872.66	4129475.94	0.000	0.004	0.005	0.000	0.00842
595903.25	4129475.94	0.000	0.003	0.004	0.000	0.00792
595933.84	4129475.94	0.000	0.003	0.004	0.000	0.00753
595642.77	4129286.53	0.001	0.009	0.011	0.000	0.02199
595677.31	4129286.53	0.001	0.008	0.010	0.000	0.01980
595711.85	4129286.53	0.001	0.008	0.009	0.000	0.01797
595746.39	4129286.53	0.001	0.007	0.009	0.000	0.01641

595642.77	4129336.29	0.001	0.010	0.012	0.000	0.02378
595677.31	4129336.29	0.001	0.009	0.011	0.000	0.02070
595711.85	4129336.29	0.001	0.008	0.010	0.000	0.01824
595746.39	4129336.29	0.001	0.007	0.009	0.000	0.01626
595642.77	4129386.05	0.001	0.012	0.014	0.000	0.02681
595677.31	4129386.05	0.001	0.010	0.011	0.000	0.02213
595711.85	4129386.05	0.001	0.008	0.010	0.000	0.01863
595746.39	4129386.05	0.001	0.007	0.008	0.000	0.01598
595642.77	4129435.81	0.001	0.014	0.016	0.000	0.03156
595677.31	4129435.81	0.001	0.010	0.012	0.000	0.02378
595711.85	4129435.81	0.001	0.008	0.010	0.000	0.01858
595746.39	4129435.81	0.001	0.006	0.008	0.000	0.01509
595642.77	4129485.57	0.001	0.016	0.019	0.000	0.03698
595677.31	4129485.57	0.001	0.010	0.012	0.000	0.02267
595711.85	4129485.57	0.001	0.007	0.008	0.000	0.01621
595746.39	4129485.57	0.000	0.005	0.007	0.000	0.01284
595788.1	4129524.74	0.000	0.004	0.005	0.000	0.00924
595814.56	4129524.74	0.000	0.004	0.005	0.000	0.00855
595841.02	4129524.74	0.000	0.003	0.004	0.000	0.00800
595867.48	4129524.74	0.000	0.003	0.004	0.000	0.00756
595893.94	4129524.74	0.000	0.003	0.004	0.000	0.00720
595920.4	4129524.74	0.000	0.003	0.004	0.000	0.00690
595946.86	4129524.74	0.000	0.003	0.004	0.000	0.00665
595973.32	4129524.74	0.000	0.003	0.003	0.000	0.00644
595999.78	4129524.74	0.000	0.003	0.003	0.000	0.00626
595788.1	4129556.46	0.000	0.004	0.005	0.000	0.00852
595814.56	4129556.46	0.000	0.003	0.004	0.000	0.00797
595841.02	4129556.46	0.000	0.003	0.004	0.000	0.00751
595867.48	4129556.46	0.000	0.003	0.004	0.000	0.00712
595893.94	4129556.46	0.000	0.003	0.004	0.000	0.00680
595920.4	4129556.46	0.000	0.003	0.004	0.000	0.00651
595946.86	4129556.46	0.000	0.003	0.003	0.000	0.00628
595973.32	4129556.46	0.000	0.002	0.003	0.000	0.00608
595999.78	4129556.46	0.000	0.002	0.003	0.000	0.00591
595788.1	4129588.18	0.000	0.003	0.004	0.000	0.00807
595814.56	4129588.18	0.000	0.003	0.004	0.000	0.00760
595841.02	4129588.18	0.000	0.003	0.004	0.000	0.00719
595867.48	4129588.18	0.000	0.003	0.004	0.000	0.00683
595893.94	4129588.18	0.000	0.003	0.004	0.000	0.00651
595920.4	4129588.18	0.000	0.003	0.003	0.000	0.00624
595946.86	4129588.18	0.000	0.002	0.003	0.000	0.00600
595973.32	4129588.18	0.000	0.002	0.003	0.000	0.00580
595999.78	4129588.18	0.000	0.002	0.003	0.000	0.00563
595788.1	4129619.9	0.000	0.003	0.004	0.000	0.00777

595814.56	4129619.9	0.000	0.003	0.004	0.000	0.00735
595841.02	4129619.9	0.000	0.003	0.004	0.000	0.00697
595867.48	4129619.9	0.000	0.003	0.004	0.000	0.00663
595893.94	4129619.9	0.000	0.003	0.003	0.000	0.00632
595920.4	4129619.9	0.000	0.002	0.003	0.000	0.00605
595946.86	4129619.9	0.000	0.002	0.003	0.000	0.00581
595973.32	4129619.9	0.000	0.002	0.003	0.000	0.00560
595999.78	4129619.9	0.000	0.002	0.003	0.000	0.00542
595788.1	4129651.62	0.000	0.003	0.004	0.000	0.00751
595814.56	4129651.62	0.000	0.003	0.004	0.000	0.00715
595841.02	4129651.62	0.000	0.003	0.004	0.000	0.00680
595867.48	4129651.62	0.000	0.003	0.004	0.000	0.00649
595893.94	4129651.62	0.000	0.003	0.003	0.000	0.00619
595920.4	4129651.62	0.000	0.002	0.003	0.000	0.00592
595946.86	4129651.62	0.000	0.002	0.003	0.000	0.00568
595973.32	4129651.62	0.000	0.002	0.003	0.000	0.00546
595999.78	4129651.62	0.000	0.002	0.003	0.000	0.00527
595788.1	4129683.34	0.000	0.003	0.004	0.000	0.00729
595814.56	4129683.34	0.000	0.003	0.004	0.000	0.00697
595841.02	4129683.34	0.000	0.003	0.004	0.000	0.00666
595867.48	4129683.34	0.000	0.003	0.003	0.000	0.00637
595893.94	4129683.34	0.000	0.002	0.003	0.000	0.00609
595920.4	4129683.34	0.000	0.002	0.003	0.000	0.00583
595946.86	4129683.34	0.000	0.002	0.003	0.000	0.00559
595973.32	4129683.34	0.000	0.002	0.003	0.000	0.00537
595999.78	4129683.34	0.000	0.002	0.003	0.000	0.00517
593920.79	4128960.54	0.002	0.020	0.028	0.001	0.04986
593955.22	4128960.54	0.002	0.022	0.030	0.001	0.05443
593989.65	4128960.54	0.002	0.024	0.033	0.001	0.05958
594024.08	4128960.54	0.002	0.026	0.036	0.001	0.06541
594058.51	4128960.54	0.002	0.029	0.040	0.001	0.07199
594092.94	4128960.54	0.003	0.032	0.044	0.001	0.07947
594127.37	4128960.54	0.003	0.035	0.049	0.001	0.08796
594161.8	4128960.54	0.003	0.039	0.054	0.001	0.09763
594196.23	4128960.54	0.004	0.043	0.060	0.001	0.10861
594230.66	4128960.54	0.004	0.048	0.067	0.002	0.12108
594265.09	4128960.54	0.004	0.054	0.075	0.002	0.13522
594299.52	4128960.54	0.005	0.060	0.084	0.002	0.15119
593920.79	4128979.2	0.002	0.020	0.028	0.001	0.05086
593955.22	4128979.2	0.002	0.022	0.031	0.001	0.05543
593989.65	4128979.2	0.002	0.024	0.033	0.001	0.06057
594024.08	4128979.2	0.002	0.027	0.037	0.001	0.06634
594058.51	4128979.2	0.002	0.029	0.040	0.001	0.07283
594092.94	4128979.2	0.003	0.032	0.044	0.001	0.08016

594127.37	4128979.2	0.003	0.035	0.049	0.001	0.08843
594161.8	4128979.2	0.003	0.039	0.054	0.001	0.09777
594196.23	4128979.2	0.004	0.043	0.060	0.001	0.10828
594230.66	4128979.2	0.004	0.048	0.066	0.002	0.12010
594265.09	4128979.2	0.004	0.053	0.074	0.002	0.13332
594299.52	4128979.2	0.005	0.059	0.082	0.002	0.14803
593920.79	4128997.86	0.002	0.021	0.029	0.001	0.05172
593955.22	4128997.86	0.002	0.023	0.031	0.001	0.05627
593989.65	4128997.86	0.002	0.025	0.034	0.001	0.06135
594024.08	4128997.86	0.002	0.027	0.037	0.001	0.06703
594058.51	4128997.86	0.002	0.029	0.041	0.001	0.07339
594092.94	4128997.86	0.003	0.032	0.045	0.001	0.08052
594127.37	4128997.86	0.003	0.035	0.049	0.001	0.08851
594161.8	4128997.86	0.003	0.039	0.054	0.001	0.09745
594196.23	4128997.86	0.004	0.043	0.059	0.001	0.10742
594230.66	4128997.86	0.004	0.047	0.066	0.002	0.11851
594265.09	4128997.86	0.004	0.052	0.072	0.002	0.13078
594299.52	4128997.86	0.005	0.058	0.080	0.002	0.14419
593920.79	4129016.52	0.002	0.021	0.029	0.001	0.05243
593955.22	4129016.52	0.002	0.023	0.031	0.001	0.05693
593989.65	4129016.52	0.002	0.025	0.034	0.001	0.06192
594024.08	4129016.52	0.002	0.027	0.037	0.001	0.06748
594058.51	4129016.52	0.002	0.030	0.041	0.001	0.07368
594092.94	4129016.52	0.003	0.032	0.045	0.001	0.08057
594127.37	4129016.52	0.003	0.035	0.049	0.001	0.08823
594161.8	4129016.52	0.003	0.039	0.053	0.001	0.09673
594196.23	4129016.52	0.004	0.042	0.059	0.001	0.10612
594230.66	4129016.52	0.004	0.047	0.064	0.002	0.11643
594265.09	4129016.52	0.004	0.051	0.071	0.002	0.12769
594299.52	4129016.52	0.005	0.056	0.077	0.002	0.13979
593920.79	4129035.18	0.002	0.021	0.029	0.001	0.05299
593955.22	4129035.18	0.002	0.023	0.032	0.001	0.05741
593989.65	4129035.18	0.002	0.025	0.034	0.001	0.06229
594024.08	4129035.18	0.002	0.027	0.037	0.001	0.06770
594058.51	4129035.18	0.002	0.030	0.041	0.001	0.07369
594092.94	4129035.18	0.003	0.032	0.044	0.001	0.08031
594127.37	4129035.18	0.003	0.035	0.048	0.001	0.08761
594161.8	4129035.18	0.003	0.038	0.053	0.001	0.09564
594196.23	4129035.18	0.003	0.042	0.058	0.001	0.10441
594230.66	4129035.18	0.004	0.046	0.063	0.002	0.11393
594265.09	4129035.18	0.004	0.050	0.069	0.002	0.12415
594299.52	4129035.18	0.004	0.054	0.075	0.002	0.13497
593920.79	4129053.84	0.002	0.021	0.030	0.001	0.05339
593955.22	4129053.84	0.002	0.023	0.032	0.001	0.05771



593989.65	4129053.84	0.002	0.025	0.035	0.001	0.06245
594024.08	4129053.84	0.002	0.027	0.037	0.001	0.06769
594058.51	4129053.84	0.002	0.029	0.041	0.001	0.07345
594092.94	4129053.84	0.003	0.032	0.044	0.001	0.07976
594127.37	4129053.84	0.003	0.035	0.048	0.001	0.08667
594161.8	4129053.84	0.003	0.038	0.052	0.001	0.09420
594196.23	4129053.84	0.003	0.041	0.057	0.001	0.10233
594230.66	4129053.84	0.004	0.044	0.061	0.002	0.11108
594265.09	4129053.84	0.004	0.048	0.067	0.002	0.12030
594299.52	4129053.84	0.004	0.052	0.072	0.002	0.12988
593920.79	4129072.5	0.002	0.021	0.030	0.001	0.05363
593955.22	4129072.5	0.002	0.023	0.032	0.001	0.05783
593989.65	4129072.5	0.002	0.025	0.035	0.001	0.06243
594024.08	4129072.5	0.002	0.027	0.037	0.001	0.06747
594058.51	4129072.5	0.002	0.029	0.040	0.001	0.07298
594092.94	4129072.5	0.003	0.032	0.044	0.001	0.07896
594127.37	4129072.5	0.003	0.034	0.047	0.001	0.08546
594161.8	4129072.5	0.003	0.037	0.051	0.001	0.09248
594196.23	4129072.5	0.003	0.040	0.055	0.001	0.09998
594230.66	4129072.5	0.004	0.043	0.060	0.001	0.10793
594265.09	4129072.5	0.004	0.046	0.064	0.002	0.11618
594299.52	4129072.5	0.004	0.050	0.069	0.002	0.12459
593920.79	4129091.16	0.002	0.022	0.030	0.001	0.05373
593955.22	4129091.16	0.002	0.023	0.032	0.001	0.05779
593989.65	4129091.16	0.002	0.025	0.034	0.001	0.06223
594024.08	4129091.16	0.002	0.027	0.037	0.001	0.06704
594058.51	4129091.16	0.002	0.029	0.040	0.001	0.07228
594092.94	4129091.16	0.003	0.031	0.043	0.001	0.07794
594127.37	4129091.16	0.003	0.034	0.046	0.001	0.08403
594161.8	4129091.16	0.003	0.036	0.050	0.001	0.09053
594196.23	4129091.16	0.003	0.039	0.054	0.001	0.09740
594230.66	4129091.16	0.003	0.042	0.058	0.001	0.10456
594265.09	4129091.16	0.004	0.045	0.062	0.002	0.11188
594299.52	4129091.16	0.004	0.048	0.066	0.002	0.11919
593920.79	4129109.82	0.002	0.022	0.030	0.001	0.05368
593955.22	4129109.82	0.002	0.023	0.032	0.001	0.05760
593989.65	4129109.82	0.002	0.025	0.034	0.001	0.06186
594024.08	4129109.82	0.002	0.027	0.037	0.001	0.06644
594058.51	4129109.82	0.002	0.029	0.039	0.001	0.07140
594092.94	4129109.82	0.003	0.031	0.042	0.001	0.07672
594127.37	4129109.82	0.003	0.033	0.046	0.001	0.08239
594161.8	4129109.82	0.003	0.035	0.049	0.001	0.08838
594196.23	4129109.82	0.003	0.038	0.052	0.001	0.09463
594230.66	4129109.82	0.003	0.040	0.056	0.001	0.10104

594265.09	4129109.82	0.004	0.043	0.059	0.001	0.10748
594299.52	4129109.82	0.004	0.046	0.063	0.002	0.11375
593920.79	4129128.48	0.002	0.021	0.030	0.001	0.05350
593955.22	4129128.48	0.002	0.023	0.032	0.001	0.05727
593989.65	4129128.48	0.002	0.025	0.034	0.001	0.06133
594024.08	4129128.48	0.002	0.026	0.036	0.001	0.06569
594058.51	4129128.48	0.002	0.028	0.039	0.001	0.07037
594092.94	4129128.48	0.002	0.030	0.042	0.001	0.07534
594127.37	4129128.48	0.003	0.032	0.045	0.001	0.08059
594161.8	4129128.48	0.003	0.034	0.048	0.001	0.08608
594196.23	4129128.48	0.003	0.037	0.051	0.001	0.09172
594230.66	4129128.48	0.003	0.039	0.054	0.001	0.09742
594265.09	4129128.48	0.003	0.041	0.057	0.001	0.10303
594299.52	4129128.48	0.004	0.043	0.060	0.001	0.10837
594246.14	4128630.32	0.002	0.025	0.034	0.001	0.06227
594272.5	4128630.32	0.002	0.028	0.038	0.001	0.06849
594298.86	4128630.32	0.003	0.030	0.042	0.001	0.07576
594325.22	4128630.32	0.003	0.034	0.047	0.001	0.08436
594351.58	4128630.32	0.003	0.038	0.052	0.001	0.09463
594377.94	4128630.32	0.004	0.043	0.059	0.001	0.10704
594404.3	4128630.32	0.004	0.049	0.067	0.002	0.12226
594430.66	4128630.32	0.005	0.057	0.078	0.002	0.14121
594246.14	4128664.43	0.002	0.029	0.039	0.001	0.07109
594272.5	4128664.43	0.003	0.032	0.043	0.001	0.07874
594298.86	4128664.43	0.003	0.035	0.048	0.001	0.08777
594325.22	4128664.43	0.003	0.040	0.054	0.001	0.09852
594351.58	4128664.43	0.004	0.045	0.062	0.002	0.11146
594377.94	4128664.43	0.004	0.051	0.070	0.002	0.12723
594404.3	4128664.43	0.005	0.059	0.081	0.002	0.14670
594430.66	4128664.43	0.006	0.069	0.095	0.002	0.17139
594246.14	4128698.54	0.003	0.032	0.045	0.001	0.08078
594272.5	4128698.54	0.003	0.036	0.050	0.001	0.08992
594298.86	4128698.54	0.003	0.040	0.056	0.001	0.10075
594325.22	4128698.54	0.004	0.046	0.063	0.002	0.11375
594351.58	4128698.54	0.004	0.052	0.072	0.002	0.12963
594377.94	4128698.54	0.005	0.060	0.082	0.002	0.14885
594404.3	4128698.54	0.006	0.069	0.095	0.002	0.17259
594430.66	4128698.54	0.007	0.081	0.112	0.003	0.20264
594246.14	4128732.65	0.003	0.036	0.050	0.001	0.09068
594272.5	4128732.65	0.003	0.041	0.056	0.001	0.10138
594298.86	4128732.65	0.004	0.046	0.063	0.002	0.11399
594325.22	4128732.65	0.004	0.052	0.071	0.002	0.12913
594351.58	4128732.65	0.005	0.059	0.082	0.002	0.14747
594377.94	4128732.65	0.006	0.068	0.094	0.002	0.16992

594404.3	4128732.65	0.007	0.079	0.109	0.003	0.19737
594430.66	4128732.65	0.008	0.093	0.128	0.003	0.23171
594246.14	4128766.76	0.003	0.040	0.056	0.001	0.10056
594272.5	4128766.76	0.004	0.045	0.062	0.002	0.11259
594298.86	4128766.76	0.004	0.051	0.070	0.002	0.12680
594325.22	4128766.76	0.005	0.058	0.079	0.002	0.14372
594351.58	4128766.76	0.005	0.066	0.091	0.002	0.16414
594377.94	4128766.76	0.006	0.076	0.104	0.003	0.18873
594404.3	4128766.76	0.007	0.088	0.121	0.003	0.21874
594430.66	4128766.76	0.008	0.102	0.141	0.003	0.25576
594246.14	4128800.87	0.004	0.044	0.061	0.001	0.10963
594272.5	4128800.87	0.004	0.049	0.068	0.002	0.12266
594298.86	4128800.87	0.005	0.055	0.076	0.002	0.13800
594325.22	4128800.87	0.005	0.062	0.086	0.002	0.15612
594351.58	4128800.87	0.006	0.071	0.098	0.002	0.17766
594377.94	4128800.87	0.007	0.081	0.113	0.003	0.20346
594404.3	4128800.87	0.008	0.094	0.130	0.003	0.23458
594430.66	4128800.87	0.009	0.109	0.151	0.004	0.27246
594246.14	4128834.98	0.004	0.047	0.065	0.002	0.11748
594272.5	4128834.98	0.004	0.052	0.072	0.002	0.13108
594298.86	4128834.98	0.005	0.059	0.081	0.002	0.14690
594325.22	4128834.98	0.005	0.066	0.091	0.002	0.16541
594351.58	4128834.98	0.006	0.075	0.104	0.003	0.18717
594377.94	4128834.98	0.007	0.085	0.118	0.003	0.21285
594404.3	4128834.98	0.008	0.097	0.135	0.003	0.24333
594430.66	4128834.98	0.009	0.112	0.155	0.004	0.27971
594246.14	4128869.09	0.004	0.049	0.068	0.002	0.12341
594272.5	4128869.09	0.005	0.055	0.076	0.002	0.13705
594298.86	4128869.09	0.005	0.061	0.084	0.002	0.15273
594325.22	4128869.09	0.006	0.068	0.094	0.002	0.17080
594351.58	4128869.09	0.006	0.077	0.106	0.003	0.19169
594377.94	4128869.09	0.007	0.086	0.119	0.003	0.21589
594404.3	4128869.09	0.008	0.098	0.135	0.003	0.24396
594430.66	4128869.09	0.009	0.111	0.153	0.004	0.27657
594246.14	4128903.2	0.004	0.051	0.070	0.002	0.12698
594272.5	4128903.2	0.005	0.056	0.078	0.002	0.14012
594298.86	4128903.2	0.005	0.062	0.086	0.002	0.15499
594325.22	4128903.2	0.006	0.069	0.095	0.002	0.17183
594351.58	4128903.2	0.006	0.076	0.106	0.003	0.19089
594377.94	4128903.2	0.007	0.085	0.118	0.003	0.21244
594404.3	4128903.2	0.008	0.095	0.131	0.003	0.23674
594430.66	4128903.2	0.009	0.106	0.146	0.004	0.26401
594246.14	4128937.31	0.004	0.051	0.071	0.002	0.12798
594272.5	4128937.31	0.005	0.056	0.078	0.002	0.14013

594298.86	4128937.31	0.005	0.061	0.085	0.002	0.15364
594325.22	4128937.31	0.006	0.067	0.093	0.002	0.16864
594351.58	4128937.31	0.006	0.074	0.102	0.003	0.18519
594377.94	4128937.31	0.007	0.081	0.113	0.003	0.20338
594404.3	4128937.31	0.007	0.089	0.124	0.003	0.22322
594430.66	4128937.31	0.008	0.098	0.135	0.003	0.24462
594242.73	4128487.55	0.001	0.015	0.020	0.000	0.03580
594265.81	4128487.55	0.001	0.015	0.021	0.001	0.03771
594288.89	4128487.55	0.001	0.016	0.022	0.001	0.03976
594311.97	4128487.55	0.001	0.017	0.023	0.001	0.04202
594335.05	4128487.55	0.001	0.018	0.024	0.001	0.04451
594358.13	4128487.55	0.002	0.019	0.026	0.001	0.04727
594381.21	4128487.55	0.002	0.020	0.028	0.001	0.05024
594404.29	4128487.55	0.002	0.022	0.029	0.001	0.05351
594427.37	4128487.55	0.002	0.023	0.031	0.001	0.05712
594450.45	4128487.55	0.002	0.025	0.033	0.001	0.06114
594473.53	4128487.55	0.002	0.027	0.036	0.001	0.06580
594242.73	4128510.84	0.001	0.016	0.021	0.001	0.03889
594265.81	4128510.84	0.001	0.017	0.023	0.001	0.04117
594288.89	4128510.84	0.001	0.018	0.024	0.001	0.04366
594311.97	4128510.84	0.002	0.019	0.025	0.001	0.04643
594335.05	4128510.84	0.002	0.020	0.027	0.001	0.04950
594358.13	4128510.84	0.002	0.021	0.029	0.001	0.05291
594381.21	4128510.84	0.002	0.023	0.031	0.001	0.05668
594404.29	4128510.84	0.002	0.025	0.033	0.001	0.06089
594427.37	4128510.84	0.002	0.027	0.036	0.001	0.06563
594450.45	4128510.84	0.002	0.029	0.039	0.001	0.07106
594473.53	4128510.84	0.003	0.031	0.042	0.001	0.07735
594242.73	4128534.13	0.001	0.017	0.023	0.001	0.04237
594265.81	4128534.13	0.002	0.018	0.025	0.001	0.04509
594288.89	4128534.13	0.002	0.019	0.026	0.001	0.04811
594311.97	4128534.13	0.002	0.021	0.028	0.001	0.05147
594335.05	4128534.13	0.002	0.022	0.030	0.001	0.05522
594358.13	4128534.13	0.002	0.024	0.033	0.001	0.05943
594381.21	4128534.13	0.002	0.026	0.035	0.001	0.06418
594404.29	4128534.13	0.002	0.028	0.038	0.001	0.06958
594427.37	4128534.13	0.003	0.031	0.042	0.001	0.07583
594450.45	4128534.13	0.003	0.034	0.046	0.001	0.08317
594473.53	4128534.13	0.003	0.037	0.050	0.001	0.09161
594242.73	4128557.42	0.002	0.019	0.025	0.001	0.04626
594265.81	4128557.42	0.002	0.020	0.027	0.001	0.04948
594288.89	4128557.42	0.002	0.021	0.029	0.001	0.05309
594311.97	4128557.42	0.002	0.023	0.031	0.001	0.05714
594335.05	4128557.42	0.002	0.025	0.034	0.001	0.06171

594358.13	4128557.42	0.002	0.027	0.037	0.001	0.06691
594381.21	4128557.42	0.002	0.029	0.040	0.001	0.07286
594404.29	4128557.42	0.003	0.032	0.044	0.001	0.07974
594427.37	4128557.42	0.003	0.035	0.048	0.001	0.08785
594450.45	4128557.42	0.003	0.039	0.054	0.001	0.09754
594473.53	4128557.42	0.004	0.044	0.060	0.001	0.10897
594242.73	4128580.71	0.002	0.020	0.028	0.001	0.05060
594265.81	4128580.71	0.002	0.022	0.030	0.001	0.05440
594288.89	4128580.71	0.002	0.024	0.032	0.001	0.05867
594311.97	4128580.71	0.002	0.026	0.035	0.001	0.06353
594335.05	4128580.71	0.002	0.028	0.038	0.001	0.06907
594358.13	4128580.71	0.003	0.030	0.042	0.001	0.07545
594381.21	4128580.71	0.003	0.033	0.046	0.001	0.08285
594404.29	4128580.71	0.003	0.037	0.050	0.001	0.09159
594427.37	4128580.71	0.003	0.041	0.056	0.001	0.10198
594450.45	4128580.71	0.004	0.046	0.063	0.002	0.11448
594473.53	4128580.71	0.004	0.052	0.072	0.002	0.12995
594276.7	4128388.72	0.001	0.011	0.015	0.000	0.02741
594305.04	4128388.72	0.001	0.012	0.016	0.000	0.02855
594333.38	4128388.72	0.001	0.012	0.016	0.000	0.02974
594361.72	4128388.72	0.001	0.013	0.017	0.000	0.03099
594390.06	4128388.72	0.001	0.013	0.018	0.000	0.03233
594418.4	4128388.72	0.001	0.014	0.018	0.000	0.03375
594276.7	4128417	0.001	0.012	0.016	0.000	0.03004
594305.04	4128417	0.001	0.013	0.017	0.000	0.03149
594333.38	4128417	0.001	0.013	0.018	0.000	0.03303
594361.72	4128417	0.001	0.014	0.019	0.000	0.03470
594390.06	4128417	0.001	0.015	0.020	0.000	0.03649
594418.4	4128417	0.001	0.016	0.021	0.001	0.03841
594276.7	4128445.28	0.001	0.013	0.018	0.000	0.03309
594305.04	4128445.28	0.001	0.014	0.019	0.000	0.03496
594333.38	4128445.28	0.001	0.015	0.020	0.000	0.03699
594361.72	4128445.28	0.001	0.016	0.021	0.001	0.03921
594390.06	4128445.28	0.001	0.017	0.023	0.001	0.04161
594418.4	4128445.28	0.001	0.018	0.024	0.001	0.04423
594276.7	4128473.56	0.001	0.015	0.020	0.000	0.03667
594305.04	4128473.56	0.001	0.016	0.021	0.001	0.03903
594333.38	4128473.56	0.001	0.017	0.023	0.001	0.04168
594361.72	4128473.56	0.001	0.018	0.024	0.001	0.04464
594390.06	4128473.56	0.002	0.019	0.026	0.001	0.04787
594418.4	4128473.56	0.002	0.021	0.028	0.001	0.05147
594019.56	4128351.99	0.001	0.007	0.010	0.000	0.01778
594057.87	4128351.99	0.001	0.008	0.010	0.000	0.01874
594096.18	4128351.99	0.001	0.008	0.011	0.000	0.01972

594134.49	4128351.99	0.001	0.009	0.011	0.000	0.02073
594172.8	4128351.99	0.001	0.009	0.012	0.000	0.02174
594211.11	4128351.99	0.001	0.009	0.012	0.000	0.02275
594019.56	4128372.85	0.001	0.008	0.010	0.000	0.01835
594057.87	4128372.85	0.001	0.008	0.011	0.000	0.01939
594096.18	4128372.85	0.001	0.008	0.011	0.000	0.02046
594134.49	4128372.85	0.001	0.009	0.012	0.000	0.02160
594172.8	4128372.85	0.001	0.009	0.012	0.000	0.02275
594211.11	4128372.85	0.001	0.010	0.013	0.000	0.02393
594019.56	4128393.71	0.001	0.008	0.010	0.000	0.01898
594057.87	4128393.71	0.001	0.008	0.011	0.000	0.02011
594096.18	4128393.71	0.001	0.009	0.012	0.000	0.02131
594134.49	4128393.71	0.001	0.009	0.012	0.000	0.02257
594172.8	4128393.71	0.001	0.010	0.013	0.000	0.02388
594211.11	4128393.71	0.001	0.010	0.014	0.000	0.02526
594019.56	4128414.57	0.001	0.008	0.011	0.000	0.01968
594057.87	4128414.57	0.001	0.009	0.011	0.000	0.02091
594096.18	4128414.57	0.001	0.009	0.012	0.000	0.02223
594134.49	4128414.57	0.001	0.010	0.013	0.000	0.02365
594172.8	4128414.57	0.001	0.010	0.014	0.000	0.02514
594211.11	4128414.57	0.001	0.011	0.015	0.000	0.02676
594019.56	4128435.43	0.001	0.008	0.011	0.000	0.02046
594057.87	4128435.43	0.001	0.009	0.012	0.000	0.02180
594096.18	4128435.43	0.001	0.009	0.013	0.000	0.02325
594134.49	4128435.43	0.001	0.010	0.014	0.000	0.02485
594172.8	4128435.43	0.001	0.011	0.014	0.000	0.02656
594211.11	4128435.43	0.001	0.012	0.016	0.000	0.02843
594019.56	4128456.29	0.001	0.009	0.012	0.000	0.02132
594057.87	4128456.29	0.001	0.009	0.012	0.000	0.02279
594096.18	4128456.29	0.001	0.010	0.013	0.000	0.02439
594134.49	4128456.29	0.001	0.011	0.014	0.000	0.02617
594172.8	4128456.29	0.001	0.011	0.015	0.000	0.02812
594211.11	4128456.29	0.001	0.012	0.017	0.000	0.03028
594019.56	4128477.15	0.001	0.009	0.012	0.000	0.02228
594057.87	4128477.15	0.001	0.010	0.013	0.000	0.02389
594096.18	4128477.15	0.001	0.010	0.014	0.000	0.02566
594134.49	4128477.15	0.001	0.011	0.015	0.000	0.02764
594172.8	4128477.15	0.001	0.012	0.016	0.000	0.02986
594211.11	4128477.15	0.001	0.013	0.018	0.000	0.03232
594019.56	4128498.01	0.001	0.009	0.013	0.000	0.02334
594057.87	4128498.01	0.001	0.010	0.014	0.000	0.02511
594096.18	4128498.01	0.001	0.011	0.015	0.000	0.02706
594134.49	4128498.01	0.001	0.012	0.016	0.000	0.02927
594172.8	4128498.01	0.001	0.013	0.017	0.000	0.03179

594211.11	4128498.01	0.001	0.014	0.019	0.000	0.03458
593932.1	4128545.28	0.001	0.009	0.012	0.000	0.02211
593958.16	4128545.28	0.001	0.009	0.013	0.000	0.02321
593984.22	4128545.28	0.001	0.010	0.013	0.000	0.02439
594010.28	4128545.28	0.001	0.010	0.014	0.000	0.02567
594036.34	4128545.28	0.001	0.011	0.015	0.000	0.02706
594062.4	4128545.28	0.001	0.012	0.016	0.000	0.02858
594088.46	4128545.28	0.001	0.012	0.017	0.000	0.03025
594114.52	4128545.28	0.001	0.013	0.018	0.000	0.03209
594140.58	4128545.28	0.001	0.014	0.019	0.000	0.03410
594166.64	4128545.28	0.001	0.015	0.020	0.000	0.03631
594192.7	4128545.28	0.001	0.016	0.021	0.001	0.03872
593932.1	4128616.57	0.001	0.010	0.014	0.000	0.02597
593958.16	4128616.57	0.001	0.011	0.015	0.000	0.02744
593984.22	4128616.57	0.001	0.012	0.016	0.000	0.02904
594010.28	4128616.57	0.001	0.012	0.017	0.000	0.03078
594036.34	4128616.57	0.001	0.013	0.018	0.000	0.03270
594062.4	4128616.57	0.001	0.014	0.019	0.000	0.03482
594088.46	4128616.57	0.001	0.015	0.020	0.001	0.03718
594114.52	4128616.57	0.001	0.016	0.022	0.001	0.03980
594140.58	4128616.57	0.001	0.017	0.024	0.001	0.04273
594166.64	4128616.57	0.002	0.019	0.025	0.001	0.04596
594192.7	4128616.57	0.002	0.020	0.027	0.001	0.04967
593932.1	4128687.86	0.001	0.012	0.017	0.000	0.03047
593958.16	4128687.86	0.001	0.013	0.018	0.000	0.03242
593984.22	4128687.86	0.001	0.014	0.019	0.000	0.03454
594010.28	4128687.86	0.001	0.015	0.020	0.000	0.03691
594036.34	4128687.86	0.001	0.016	0.022	0.001	0.03954
594062.4	4128687.86	0.001	0.017	0.023	0.001	0.04245
594088.46	4128687.86	0.002	0.018	0.025	0.001	0.04572
594114.52	4128687.86	0.002	0.020	0.027	0.001	0.04941
594140.58	4128687.86	0.002	0.022	0.030	0.001	0.05354
594166.64	4128687.86	0.002	0.023	0.032	0.001	0.05829
594192.7	4128687.86	0.002	0.026	0.035	0.001	0.06373
593920.36	4128705.8	0.001	0.012	0.017	0.000	0.03085
593960.05	4128705.8	0.001	0.014	0.019	0.000	0.03394
593999.74	4128705.8	0.001	0.015	0.021	0.001	0.03756
594039.43	4128705.8	0.001	0.017	0.023	0.001	0.04177
594079.12	4128705.8	0.002	0.019	0.026	0.001	0.04676
594118.81	4128705.8	0.002	0.021	0.029	0.001	0.05277
594158.5	4128705.8	0.002	0.024	0.033	0.001	0.06006
594198.19	4128705.8	0.002	0.028	0.038	0.001	0.06903
593920.36	4128732.44	0.001	0.013	0.018	0.000	0.03268
593960.05	4128732.44	0.001	0.015	0.020	0.000	0.03608

593999.74	4128732.44	0.001	0.016	0.022	0.001	0.04006
594039.43	4128732.44	0.001	0.018	0.025	0.001	0.04470
594079.12	4128732.44	0.002	0.020	0.028	0.001	0.05024
594118.81	4128732.44	0.002	0.023	0.031	0.001	0.05697
594158.5	4128732.44	0.002	0.026	0.036	0.001	0.06504
594198.19	4128732.44	0.002	0.030	0.041	0.001	0.07507
593920.36	4128759.08	0.001	0.014	0.019	0.000	0.03465
593960.05	4128759.08	0.001	0.015	0.021	0.001	0.03835
593999.74	4128759.08	0.001	0.017	0.024	0.001	0.04267
594039.43	4128759.08	0.002	0.019	0.026	0.001	0.04780
594079.12	4128759.08	0.002	0.022	0.030	0.001	0.05388
594118.81	4128759.08	0.002	0.025	0.034	0.001	0.06125
594158.5	4128759.08	0.002	0.028	0.039	0.001	0.07018
594198.19	4128759.08	0.003	0.033	0.045	0.001	0.08123
593920.36	4128785.72	0.001	0.015	0.020	0.000	0.03667
593960.05	4128785.72	0.001	0.016	0.022	0.001	0.04069
593999.74	4128785.72	0.002	0.018	0.025	0.001	0.04540
594039.43	4128785.72	0.002	0.020	0.028	0.001	0.05097
594079.12	4128785.72	0.002	0.023	0.032	0.001	0.05760
594118.81	4128785.72	0.002	0.026	0.036	0.001	0.06558
594158.5	4128785.72	0.003	0.030	0.042	0.001	0.07531
594198.19	4128785.72	0.003	0.035	0.048	0.001	0.08723
593920.36	4128812.36	0.001	0.016	0.021	0.001	0.03881
593960.05	4128812.36	0.001	0.017	0.024	0.001	0.04314
593999.74	4128812.36	0.002	0.019	0.027	0.001	0.04818
594039.43	4128812.36	0.002	0.022	0.030	0.001	0.05414
594079.12	4128812.36	0.002	0.025	0.034	0.001	0.06125
594118.81	4128812.36	0.002	0.028	0.039	0.001	0.06980
594158.5	4128812.36	0.003	0.032	0.044	0.001	0.08019
594198.19	4128812.36	0.003	0.037	0.051	0.001	0.09292
593920.36	4128839	0.001	0.016	0.023	0.001	0.04099
593960.05	4128839	0.002	0.018	0.025	0.001	0.04558
593999.74	4128839	0.002	0.020	0.028	0.001	0.05093
594039.43	4128839	0.002	0.023	0.032	0.001	0.05726
594079.12	4128839	0.002	0.026	0.036	0.001	0.06479
594118.81	4128839	0.002	0.030	0.041	0.001	0.07381
594158.5	4128839	0.003	0.034	0.047	0.001	0.08473
594198.19	4128839	0.003	0.039	0.054	0.001	0.09803
593920.36	4128865.64	0.001	0.017	0.024	0.001	0.04313
593960.05	4128865.64	0.002	0.019	0.026	0.001	0.04796
593999.74	4128865.64	0.002	0.021	0.030	0.001	0.05360
594039.43	4128865.64	0.002	0.024	0.033	0.001	0.06024
594079.12	4128865.64	0.002	0.027	0.038	0.001	0.06810
594118.81	4128865.64	0.003	0.031	0.043	0.001	0.07748



594158.5	4128865.64	0.003	0.036	0.049	0.001	0.08875
594198.19	4128865.64	0.003	0.041	0.057	0.001	0.10239
593920.36	4128892.28	0.002	0.018	0.025	0.001	0.04520
593960.05	4128892.28	0.002	0.020	0.028	0.001	0.05024
593999.74	4128892.28	0.002	0.022	0.031	0.001	0.05610
594039.43	4128892.28	0.002	0.025	0.035	0.001	0.06297
594079.12	4128892.28	0.002	0.028	0.039	0.001	0.07107
594118.81	4128892.28	0.003	0.032	0.045	0.001	0.08066
594158.5	4128892.28	0.003	0.037	0.051	0.001	0.09209
594198.19	4128892.28	0.004	0.042	0.058	0.001	0.10578
593920.36	4128918.92	0.002	0.019	0.026	0.001	0.04714
593960.05	4128918.92	0.002	0.021	0.029	0.001	0.05233
593999.74	4128918.92	0.002	0.023	0.032	0.001	0.05835
594039.43	4128918.92	0.002	0.026	0.036	0.001	0.06536
594079.12	4128918.92	0.002	0.029	0.041	0.001	0.07357
594118.81	4128918.92	0.003	0.033	0.046	0.001	0.08320
594158.5	4128918.92	0.003	0.038	0.052	0.001	0.09458
594198.19	4128918.92	0.004	0.043	0.060	0.001	0.10805
593920.36	4128945.56	0.002	0.020	0.027	0.001	0.04891
593960.05	4128945.56	0.002	0.022	0.030	0.001	0.05419
593999.74	4128945.56	0.002	0.024	0.033	0.001	0.06029
594039.43	4128945.56	0.002	0.027	0.037	0.001	0.06734
594079.12	4128945.56	0.003	0.030	0.042	0.001	0.07553
594118.81	4128945.56	0.003	0.034	0.047	0.001	0.08505
594158.5	4128945.56	0.003	0.039	0.053	0.001	0.09617
594198.19	4128945.56	0.004	0.044	0.060	0.001	0.10916
595128.75	4128512.05	0.016	0.192	0.266	0.007	0.48026
595157.74	4128512.05	0.014	0.169	0.234	0.006	0.42275
595128.75	4128529.32	0.016	0.196	0.271	0.007	0.49010
595157.74	4128529.32	0.014	0.171	0.237	0.006	0.42762
595128.75	4128546.59	0.016	0.197	0.273	0.007	0.49353
595157.74	4128546.59	0.014	0.171	0.237	0.006	0.42749
595362.46	4128329.27	0.006	0.068	0.095	0.002	0.17096
595397.07	4128329.27	0.005	0.063	0.087	0.002	0.15783
595431.68	4128329.27	0.005	0.058	0.080	0.002	0.14546
595466.29	4128329.27	0.004	0.054	0.074	0.002	0.13388
595362.46	4128386.58	0.006	0.074	0.102	0.002	0.18403
595397.07	4128386.58	0.006	0.067	0.092	0.002	0.16682
595431.68	4128386.58	0.005	0.061	0.084	0.002	0.15113
595466.29	4128386.58	0.005	0.055	0.076	0.002	0.13691
595362.46	4128443.89	0.006	0.075	0.104	0.003	0.18818
595397.07	4128443.89	0.006	0.067	0.093	0.002	0.16744
595431.68	4128443.89	0.005	0.060	0.082	0.002	0.14916
595466.29	4128443.89	0.004	0.053	0.074	0.002	0.13308

595362.46	4128501.2	0.006	0.072	0.100	0.002	0.18041
595397.07	4128501.2	0.005	0.063	0.087	0.002	0.15789
595431.68	4128501.2	0.005	0.056	0.077	0.002	0.13867
595466.29	4128501.2	0.004	0.049	0.068	0.002	0.12223
594785.72	4129528.1	0.001	0.011	0.015	0.000	0.02717
594896.78	4129528.1	0.001	0.009	0.012	0.000	0.02211
595007.84	4129528.1	0.001	0.007	0.009	0.000	0.01680
595118.9	4129528.1	0.001	0.007	0.009	0.000	0.01577
595229.96	4129528.1	0.001	0.007	0.009	0.000	0.01645
594785.72	4129568.18	0.001	0.010	0.014	0.000	0.02503
594896.78	4129568.18	0.001	0.008	0.011	0.000	0.02062
595007.84	4129568.18	0.001	0.006	0.008	0.000	0.01561
595118.9	4129568.18	0.000	0.006	0.008	0.000	0.01442
595229.96	4129568.18	0.001	0.006	0.008	0.000	0.01497
594785.72	4129608.26	0.001	0.009	0.013	0.000	0.02315
594896.78	4129608.26	0.001	0.008	0.011	0.000	0.01929
595007.84	4129608.26	0.000	0.006	0.008	0.000	0.01457
595118.9	4129608.26	0.000	0.005	0.007	0.000	0.01323
595229.96	4129608.26	0.000	0.006	0.007	0.000	0.01362
594785.72	4129648.34	0.001	0.009	0.012	0.000	0.02147
594896.78	4129648.34	0.001	0.007	0.010	0.000	0.01810
595007.84	4129648.34	0.000	0.006	0.007	0.000	0.01364
595118.9	4129648.34	0.000	0.005	0.007	0.000	0.01216
595229.96	4129648.34	0.000	0.005	0.007	0.000	0.01240
594785.72	4129688.42	0.001	0.008	0.011	0.000	0.01998
594896.78	4129688.42	0.001	0.007	0.009	0.000	0.01702
595007.84	4129688.42	0.000	0.005	0.007	0.000	0.01281
595118.9	4129688.42	0.000	0.005	0.006	0.000	0.01121
595229.96	4129688.42	0.000	0.005	0.006	0.000	0.01132
594785.72	4129728.5	0.001	0.008	0.010	0.000	0.01864
594896.78	4129728.5	0.001	0.007	0.009	0.000	0.01603
595007.84	4129728.5	0.000	0.005	0.007	0.000	0.01207
595118.9	4129728.5	0.000	0.004	0.006	0.000	0.01037
595229.96	4129728.5	0.000	0.004	0.006	0.000	0.01034
594785.72	4129768.58	0.001	0.007	0.010	0.000	0.01744
594896.78	4129768.58	0.001	0.006	0.008	0.000	0.01513
595007.84	4129768.58	0.000	0.005	0.006	0.000	0.01139
595118.9	4129768.58	0.000	0.004	0.005	0.000	0.00962
595229.96	4129768.58	0.000	0.004	0.005	0.000	0.00946
594785.72	4129808.66	0.001	0.007	0.009	0.000	0.01636
594896.78	4129808.66	0.000	0.006	0.008	0.000	0.01430
595007.84	4129808.66	0.000	0.004	0.006	0.000	0.01079
595118.9	4129808.66	0.000	0.004	0.005	0.000	0.00895
595229.96	4129808.66	0.000	0.004	0.005	0.000	0.00869

593938.13	4129525.18	0.001	0.014	0.020	0.000	0.03579
594005.94	4129525.18	0.001	0.015	0.020	0.000	0.03679
594073.75	4129525.18	0.001	0.015	0.021	0.001	0.03732
594141.56	4129525.18	0.001	0.015	0.021	0.001	0.03734
594209.37	4129525.18	0.001	0.015	0.020	0.000	0.03694
594277.18	4129525.18	0.001	0.015	0.020	0.000	0.03629
594344.99	4129525.18	0.001	0.014	0.020	0.000	0.03554
594412.8	4129525.18	0.001	0.014	0.019	0.000	0.03462
594480.61	4129525.18	0.001	0.013	0.018	0.000	0.03323
594548.42	4129525.18	0.001	0.013	0.017	0.000	0.03125
594616.23	4129525.18	0.001	0.012	0.016	0.000	0.02922
593938.13	4129583.05	0.001	0.013	0.018	0.000	0.03258
594005.94	4129583.05	0.001	0.013	0.018	0.000	0.03309
594073.75	4129583.05	0.001	0.013	0.018	0.000	0.03319
594141.56	4129583.05	0.001	0.013	0.018	0.000	0.03291
594209.37	4129583.05	0.001	0.013	0.018	0.000	0.03239
594277.18	4129583.05	0.001	0.013	0.018	0.000	0.03178
594344.99	4129583.05	0.001	0.013	0.017	0.000	0.03114
594412.8	4129583.05	0.001	0.012	0.017	0.000	0.03031
594480.61	4129583.05	0.001	0.012	0.016	0.000	0.02903
594548.42	4129583.05	0.001	0.011	0.015	0.000	0.02725
594616.23	4129583.05	0.001	0.010	0.014	0.000	0.02556
593938.13	4129640.92	0.001	0.012	0.016	0.000	0.02958
594005.94	4129640.92	0.001	0.012	0.016	0.000	0.02972
594073.75	4129640.92	0.001	0.012	0.016	0.000	0.02955
594141.56	4129640.92	0.001	0.012	0.016	0.000	0.02914
594209.37	4129640.92	0.001	0.011	0.016	0.000	0.02862
594277.18	4129640.92	0.001	0.011	0.015	0.000	0.02809
594344.99	4129640.92	0.001	0.011	0.015	0.000	0.02755
594412.8	4129640.92	0.001	0.011	0.015	0.000	0.02679
594480.61	4129640.92	0.001	0.010	0.014	0.000	0.02557
594548.42	4129640.92	0.001	0.010	0.013	0.000	0.02397
594616.23	4129640.92	0.001	0.009	0.012	0.000	0.02256
593938.13	4129698.79	0.001	0.011	0.015	0.000	0.02682
594005.94	4129698.79	0.001	0.011	0.015	0.000	0.02672
594073.75	4129698.79	0.001	0.011	0.015	0.000	0.02640
594141.56	4129698.79	0.001	0.010	0.014	0.000	0.02595
594209.37	4129698.79	0.001	0.010	0.014	0.000	0.02548
594277.18	4129698.79	0.001	0.010	0.014	0.000	0.02505
594344.99	4129698.79	0.001	0.010	0.014	0.000	0.02458
594412.8	4129698.79	0.001	0.010	0.013	0.000	0.02385
594480.61	4129698.79	0.001	0.009	0.012	0.000	0.02269
594548.42	4129698.79	0.001	0.009	0.012	0.000	0.02126
594616.23	4129698.79	0.001	0.008	0.011	0.000	0.02007

593938.13	4129756.66	0.001	0.010	0.013	0.000	0.02430
594005.94	4129756.66	0.001	0.010	0.013	0.000	0.02407
594073.75	4129756.66	0.001	0.010	0.013	0.000	0.02368
594141.56	4129756.66	0.001	0.009	0.013	0.000	0.02325
594209.37	4129756.66	0.001	0.009	0.013	0.000	0.02287
594277.18	4129756.66	0.001	0.009	0.012	0.000	0.02252
594344.99	4129756.66	0.001	0.009	0.012	0.000	0.02208
594412.8	4129756.66	0.001	0.009	0.012	0.000	0.02136
594480.61	4129756.66	0.001	0.008	0.011	0.000	0.02026
594548.42	4129756.66	0.001	0.008	0.010	0.000	0.01898
594616.23	4129756.66	0.001	0.007	0.010	0.000	0.01798
593938.13	4129814.53	0.001	0.009	0.012	0.000	0.02204
594005.94	4129814.53	0.001	0.009	0.012	0.000	0.02174
594073.75	4129814.53	0.001	0.009	0.012	0.000	0.02135
594141.56	4129814.53	0.001	0.008	0.012	0.000	0.02098
594209.37	4129814.53	0.001	0.008	0.011	0.000	0.02067
594277.18	4129814.53	0.001	0.008	0.011	0.000	0.02037
594344.99	4129814.53	0.001	0.008	0.011	0.000	0.01995
594412.8	4129814.53	0.001	0.008	0.011	0.000	0.01924
594480.61	4129814.53	0.001	0.007	0.010	0.000	0.01819
594548.42	4129814.53	0.001	0.007	0.009	0.000	0.01704
594616.23	4129814.53	0.001	0.007	0.009	0.000	0.01621
593667	4128083.42	0.000	0.003	0.004	0.000	0.00694
593722.02	4128083.42	0.000	0.003	0.004	0.000	0.00723
593777.04	4128083.42	0.000	0.003	0.004	0.000	0.00757
593832.06	4128083.42	0.000	0.003	0.004	0.000	0.00803
593667	4128157.74	0.000	0.003	0.004	0.000	0.00803
593722.02	4128157.74	0.000	0.003	0.005	0.000	0.00851
593777.04	4128157.74	0.000	0.004	0.005	0.000	0.00907
593832.06	4128157.74	0.000	0.004	0.005	0.000	0.00976
593667	4128232.06	0.000	0.004	0.005	0.000	0.00906
593722.02	4128232.06	0.000	0.004	0.005	0.000	0.00973
593777.04	4128232.06	0.000	0.004	0.006	0.000	0.01050
593832.06	4128232.06	0.000	0.005	0.006	0.000	0.01138
593667	4128306.38	0.000	0.004	0.005	0.000	0.01001
593722.02	4128306.38	0.000	0.004	0.006	0.000	0.01082
593777.04	4128306.38	0.000	0.005	0.006	0.000	0.01172
593832.06	4128306.38	0.000	0.005	0.007	0.000	0.01272
593667	4128380.7	0.000	0.004	0.006	0.000	0.01105
593722.02	4128380.7	0.000	0.005	0.007	0.000	0.01194
593777.04	4128380.7	0.000	0.005	0.007	0.000	0.01293
593832.06	4128380.7	0.000	0.006	0.008	0.000	0.01404
593667	4128455.02	0.000	0.005	0.007	0.000	0.01237
593722.02	4128455.02	0.000	0.005	0.007	0.000	0.01336

593777.04	4128455.02	0.000	0.006	0.008	0.000	0.01447
593832.06	4128455.02	0.001	0.006	0.009	0.000	0.01572
593667	4128529.34	0.000	0.006	0.008	0.000	0.01402
593722.02	4128529.34	0.001	0.006	0.008	0.000	0.01519
593777.04	4128529.34	0.001	0.007	0.009	0.000	0.01651
593832.06	4128529.34	0.001	0.007	0.010	0.000	0.01802
593667	4128603.66	0.001	0.006	0.009	0.000	0.01588
593722.02	4128603.66	0.001	0.007	0.010	0.000	0.01732
593777.04	4128603.66	0.001	0.008	0.010	0.000	0.01897
593832.06	4128603.66	0.001	0.008	0.011	0.000	0.02087
593667	4128677.98	0.001	0.007	0.010	0.000	0.01789
593722.02	4128677.98	0.001	0.008	0.011	0.000	0.01967
593777.04	4128677.98	0.001	0.009	0.012	0.000	0.02172
593832.06	4128677.98	0.001	0.010	0.013	0.000	0.02413
593667	4128752.3	0.001	0.008	0.011	0.000	0.02015
593722.02	4128752.3	0.001	0.009	0.012	0.000	0.02231
593777.04	4128752.3	0.001	0.010	0.014	0.000	0.02486
593832.06	4128752.3	0.001	0.011	0.015	0.000	0.02789
593667	4128826.62	0.001	0.009	0.013	0.000	0.02278
593722.02	4128826.62	0.001	0.010	0.014	0.000	0.02540
593777.04	4128826.62	0.001	0.011	0.016	0.000	0.02850
593832.06	4128826.62	0.001	0.013	0.018	0.000	0.03221
593667	4128900.94	0.001	0.010	0.014	0.000	0.02574
593722.02	4128900.94	0.001	0.012	0.016	0.000	0.02881
593777.04	4128900.94	0.001	0.013	0.018	0.000	0.03246
593832.06	4128900.94	0.001	0.015	0.020	0.000	0.03684
593667	4128975.26	0.001	0.012	0.016	0.000	0.02874
593722.02	4128975.26	0.001	0.013	0.018	0.000	0.03217
593777.04	4128975.26	0.001	0.015	0.020	0.000	0.03621
593832.06	4128975.26	0.001	0.016	0.023	0.001	0.04098
593667	4129049.58	0.001	0.013	0.017	0.000	0.03133
593722.02	4129049.58	0.001	0.014	0.019	0.000	0.03490
593777.04	4129049.58	0.001	0.016	0.022	0.001	0.03904
593832.06	4129049.58	0.001	0.018	0.024	0.001	0.04385
594352.86	4127540.64	0.000	0.001	0.001	0.000	0.00239
594416.15	4127540.64	0.000	0.001	0.001	0.000	0.00264
594479.44	4127540.64	0.000	0.001	0.002	0.000	0.00303
594542.73	4127540.64	0.000	0.002	0.002	0.000	0.00356
594606.02	4127540.64	0.000	0.002	0.002	0.000	0.00428
594669.31	4127540.64	0.000	0.002	0.003	0.000	0.00515
594732.6	4127540.64	0.000	0.003	0.003	0.000	0.00619
594795.89	4127540.64	0.000	0.003	0.004	0.000	0.00736
594859.18	4127540.64	0.000	0.004	0.005	0.000	0.00867
594922.47	4127540.64	0.000	0.004	0.005	0.000	0.01011

594985.76	4127540.64	0.000	0.005	0.006	0.000	0.01166
595049.05	4127540.64	0.000	0.005	0.007	0.000	0.01332
595112.34	4127540.64	0.001	0.006	0.008	0.000	0.01506
595175.63	4127540.64	0.001	0.007	0.009	0.000	0.01683
595238.92	4127540.64	0.001	0.008	0.010	0.000	0.01855
595302.21	4127540.64	0.001	0.008	0.011	0.000	0.02021
595365.5	4127540.64	0.001	0.009	0.012	0.000	0.02171
595428.79	4127540.64	0.001	0.009	0.013	0.000	0.02307
595492.08	4127540.64	0.001	0.010	0.013	0.000	0.02419
595555.37	4127540.64	0.001	0.010	0.014	0.000	0.02509
595618.66	4127540.64	0.001	0.010	0.014	0.000	0.02574
594352.86	4127567.33	0.000	0.001	0.001	0.000	0.00260
594416.15	4127567.33	0.000	0.001	0.002	0.000	0.00285
594479.44	4127567.33	0.000	0.001	0.002	0.000	0.00326
594542.73	4127567.33	0.000	0.002	0.002	0.000	0.00382
594606.02	4127567.33	0.000	0.002	0.002	0.000	0.00458
594669.31	4127567.33	0.000	0.002	0.003	0.000	0.00551
594732.6	4127567.33	0.000	0.003	0.004	0.000	0.00662
594795.89	4127567.33	0.000	0.003	0.004	0.000	0.00789
594859.18	4127567.33	0.000	0.004	0.005	0.000	0.00930
594922.47	4127567.33	0.000	0.004	0.006	0.000	0.01086
594985.76	4127567.33	0.000	0.005	0.007	0.000	0.01254
595049.05	4127567.33	0.000	0.006	0.008	0.000	0.01431
595112.34	4127567.33	0.001	0.007	0.009	0.000	0.01619
595175.63	4127567.33	0.001	0.007	0.010	0.000	0.01806
595238.92	4127567.33	0.001	0.008	0.011	0.000	0.01992
595302.21	4127567.33	0.001	0.009	0.012	0.000	0.02163
595365.5	4127567.33	0.001	0.009	0.013	0.000	0.02323
595428.79	4127567.33	0.001	0.010	0.014	0.000	0.02459
595492.08	4127567.33	0.001	0.010	0.014	0.000	0.02572
595555.37	4127567.33	0.001	0.011	0.015	0.000	0.02658
595618.66	4127567.33	0.001	0.011	0.015	0.000	0.02718
594352.86	4127594.02	0.000	0.001	0.002	0.000	0.00286
594416.15	4127594.02	0.000	0.001	0.002	0.000	0.00313
594479.44	4127594.02	0.000	0.002	0.002	0.000	0.00354
594542.73	4127594.02	0.000	0.002	0.002	0.000	0.00413
594606.02	4127594.02	0.000	0.002	0.003	0.000	0.00492
594669.31	4127594.02	0.000	0.002	0.003	0.000	0.00593
594732.6	4127594.02	0.000	0.003	0.004	0.000	0.00712
594795.89	4127594.02	0.000	0.004	0.005	0.000	0.00849
594859.18	4127594.02	0.000	0.004	0.005	0.000	0.01002
594922.47	4127594.02	0.000	0.005	0.006	0.000	0.01168
594985.76	4127594.02	0.000	0.006	0.007	0.000	0.01350
595049.05	4127594.02	0.001	0.006	0.008	0.000	0.01542

595112.34	4127594.02	0.001	0.007	0.010	0.000	0.01743
595175.63	4127594.02	0.001	0.008	0.011	0.000	0.01943
595238.92	4127594.02	0.001	0.009	0.012	0.000	0.02139
595302.21	4127594.02	0.001	0.009	0.013	0.000	0.02320
595365.5	4127594.02	0.001	0.010	0.014	0.000	0.02485
595428.79	4127594.02	0.001	0.011	0.014	0.000	0.02623
595492.08	4127594.02	0.001	0.011	0.015	0.000	0.02735
595555.37	4127594.02	0.001	0.011	0.016	0.000	0.02819
595618.66	4127594.02	0.001	0.012	0.016	0.000	0.02872
594352.86	4127620.71	0.000	0.001	0.002	0.000	0.00310
594416.15	4127620.71	0.000	0.001	0.002	0.000	0.00343
594479.44	4127620.71	0.000	0.002	0.002	0.000	0.00389
594542.73	4127620.71	0.000	0.002	0.002	0.000	0.00450
594606.02	4127620.71	0.000	0.002	0.003	0.000	0.00530
594669.31	4127620.71	0.000	0.003	0.003	0.000	0.00639
594732.6	4127620.71	0.000	0.003	0.004	0.000	0.00767
594795.89	4127620.71	0.000	0.004	0.005	0.000	0.00916
594859.18	4127620.71	0.000	0.004	0.006	0.000	0.01081
594922.47	4127620.71	0.000	0.005	0.007	0.000	0.01262
594985.76	4127620.71	0.000	0.006	0.008	0.000	0.01456
595049.05	4127620.71	0.001	0.007	0.009	0.000	0.01664
595112.34	4127620.71	0.001	0.008	0.010	0.000	0.01879
595175.63	4127620.71	0.001	0.009	0.011	0.000	0.02094
595238.92	4127620.71	0.001	0.009	0.013	0.000	0.02300
595302.21	4127620.71	0.001	0.010	0.014	0.000	0.02491
595365.5	4127620.71	0.001	0.011	0.015	0.000	0.02660
595428.79	4127620.71	0.001	0.011	0.015	0.000	0.02800
595492.08	4127620.71	0.001	0.012	0.016	0.000	0.02911
595555.37	4127620.71	0.001	0.012	0.016	0.000	0.02988
595618.66	4127620.71	0.001	0.012	0.017	0.000	0.03033
594352.86	4127647.4	0.000	0.001	0.002	0.000	0.00339
594416.15	4127647.4	0.000	0.002	0.002	0.000	0.00375
594479.44	4127647.4	0.000	0.002	0.002	0.000	0.00426
594542.73	4127647.4	0.000	0.002	0.003	0.000	0.00493
594606.02	4127647.4	0.000	0.002	0.003	0.000	0.00574
594669.31	4127647.4	0.000	0.003	0.004	0.000	0.00691
594732.6	4127647.4	0.000	0.003	0.004	0.000	0.00830
594795.89	4127647.4	0.000	0.004	0.005	0.000	0.00990
594859.18	4127647.4	0.000	0.005	0.006	0.000	0.01168
594922.47	4127647.4	0.000	0.006	0.007	0.000	0.01364
594985.76	4127647.4	0.001	0.006	0.009	0.000	0.01575
595049.05	4127647.4	0.001	0.007	0.010	0.000	0.01800
595112.34	4127647.4	0.001	0.008	0.011	0.000	0.02029
595175.63	4127647.4	0.001	0.009	0.012	0.000	0.02260

595238.92	4127647.4	0.001	0.010	0.014	0.000	0.02479
595302.21	4127647.4	0.001	0.011	0.015	0.000	0.02678
595365.5	4127647.4	0.001	0.012	0.016	0.000	0.02851
595428.79	4127647.4	0.001	0.012	0.016	0.000	0.02992
595492.08	4127647.4	0.001	0.012	0.017	0.000	0.03098
595555.37	4127647.4	0.001	0.013	0.017	0.000	0.03169
595618.66	4127647.4	0.001	0.013	0.018	0.000	0.03202
594352.86	4127674.09	0.000	0.002	0.002	0.000	0.00371
594416.15	4127674.09	0.000	0.002	0.002	0.000	0.00411
594479.44	4127674.09	0.000	0.002	0.002	0.000	0.00467
594542.73	4127674.09	0.000	0.002	0.003	0.000	0.00539
594606.02	4127674.09	0.000	0.003	0.003	0.000	0.00624
594669.31	4127674.09	0.000	0.003	0.004	0.000	0.00750
594732.6	4127674.09	0.000	0.004	0.005	0.000	0.00901
594795.89	4127674.09	0.000	0.004	0.006	0.000	0.01075
594859.18	4127674.09	0.000	0.005	0.007	0.000	0.01268
594922.47	4127674.09	0.001	0.006	0.008	0.000	0.01478
594985.76	4127674.09	0.001	0.007	0.009	0.000	0.01707
595049.05	4127674.09	0.001	0.008	0.011	0.000	0.01950
595112.34	4127674.09	0.001	0.009	0.012	0.000	0.02198
595175.63	4127674.09	0.001	0.010	0.013	0.000	0.02441
595238.92	4127674.09	0.001	0.011	0.015	0.000	0.02675
595302.21	4127674.09	0.001	0.012	0.016	0.000	0.02882
595365.5	4127674.09	0.001	0.012	0.017	0.000	0.03058
595428.79	4127674.09	0.001	0.013	0.018	0.000	0.03198
595492.08	4127674.09	0.001	0.013	0.018	0.000	0.03299
595555.37	4127674.09	0.001	0.014	0.018	0.000	0.03358
595618.66	4127674.09	0.001	0.014	0.019	0.000	0.03380
594352.86	4127700.78	0.000	0.002	0.002	0.000	0.00404
594416.15	4127700.78	0.000	0.002	0.002	0.000	0.00455
594479.44	4127700.78	0.000	0.002	0.003	0.000	0.00515
594542.73	4127700.78	0.000	0.003	0.003	0.000	0.00592
594606.02	4127700.78	0.000	0.003	0.004	0.000	0.00682
594669.31	4127700.78	0.000	0.003	0.004	0.000	0.00819
594732.6	4127700.78	0.000	0.004	0.005	0.000	0.00982
594795.89	4127700.78	0.000	0.005	0.006	0.000	0.01170
594859.18	4127700.78	0.000	0.006	0.007	0.000	0.01379
594922.47	4127700.78	0.001	0.007	0.009	0.000	0.01606
594985.76	4127700.78	0.001	0.008	0.010	0.000	0.01854
595049.05	4127700.78	0.001	0.009	0.011	0.000	0.02115
595112.34	4127700.78	0.001	0.010	0.013	0.000	0.02383
595175.63	4127700.78	0.001	0.011	0.014	0.000	0.02645
595238.92	4127700.78	0.001	0.012	0.016	0.000	0.02887
595302.21	4127700.78	0.001	0.013	0.017	0.000	0.03104



595365.5	4127700.78	0.001	0.013	0.018	0.000	0.03282
595428.79	4127700.78	0.001	0.014	0.019	0.000	0.03419
595492.08	4127700.78	0.001	0.014	0.019	0.000	0.03511
595555.37	4127700.78	0.001	0.014	0.020	0.000	0.03559
595618.66	4127700.78	0.001	0.014	0.020	0.000	0.03567
595497.7	4127730.05	0.001	0.015	0.021	0.001	0.03764
595572.99	4127730.05	0.001	0.015	0.021	0.001	0.03794
595648.28	4127730.05	0.001	0.015	0.021	0.001	0.03766
595723.57	4127730.05	0.001	0.015	0.020	0.000	0.03692
595798.86	4127730.05	0.001	0.014	0.020	0.000	0.03584
595497.7	4127796.4	0.001	0.018	0.024	0.001	0.04391
595572.99	4127796.4	0.001	0.018	0.024	0.001	0.04364
595648.28	4127796.4	0.001	0.017	0.024	0.001	0.04276
595723.57	4127796.4	0.001	0.017	0.023	0.001	0.04142
595798.86	4127796.4	0.001	0.016	0.022	0.001	0.03978
595497.7	4127862.75	0.002	0.021	0.028	0.001	0.05120
595572.99	4127862.75	0.002	0.020	0.028	0.001	0.05014
595648.28	4127862.75	0.002	0.019	0.027	0.001	0.04845
595723.57	4127862.75	0.002	0.019	0.026	0.001	0.04637
595798.86	4127862.75	0.001	0.018	0.024	0.001	0.04405
595497.7	4127929.1	0.002	0.024	0.033	0.001	0.05964
595572.99	4127929.1	0.002	0.023	0.032	0.001	0.05749
595648.28	4127929.1	0.002	0.022	0.030	0.001	0.05478
595723.57	4127929.1	0.002	0.021	0.029	0.001	0.05175
595798.86	4127929.1	0.002	0.019	0.027	0.001	0.04858
595497.7	4127995.45	0.002	0.028	0.038	0.001	0.06938
595572.99	4127995.45	0.002	0.026	0.036	0.001	0.06576
595648.28	4127995.45	0.002	0.025	0.034	0.001	0.06170
595723.57	4127995.45	0.002	0.023	0.032	0.001	0.05746
595798.86	4127995.45	0.002	0.021	0.029	0.001	0.05321
595497.7	4128061.8	0.003	0.032	0.044	0.001	0.08043
595572.99	4128061.8	0.002	0.030	0.041	0.001	0.07484
595648.28	4128061.8	0.002	0.028	0.038	0.001	0.06901
595723.57	4128061.8	0.002	0.025	0.035	0.001	0.06320
595798.86	4128061.8	0.002	0.023	0.032	0.001	0.05757
595497.7	4128128.15	0.003	0.037	0.051	0.001	0.09261
595572.99	4128128.15	0.003	0.034	0.047	0.001	0.08432
595648.28	4128128.15	0.003	0.031	0.042	0.001	0.07616
595723.57	4128128.15	0.002	0.027	0.038	0.001	0.06837
595798.86	4128128.15	0.002	0.024	0.034	0.001	0.06108
595497.7	4128194.5	0.003	0.042	0.058	0.001	0.10514
595572.99	4128194.5	0.003	0.037	0.052	0.001	0.09330
595648.28	4128194.5	0.003	0.033	0.045	0.001	0.08223
595723.57	4128194.5	0.002	0.029	0.040	0.001	0.07211

595798.86	4128194.5	0.002	0.025	0.035	0.001	0.06303
595497.7	4128260.85	0.004	0.047	0.064	0.002	0.11643
595572.99	4128260.85	0.003	0.040	0.055	0.001	0.10023
595648.28	4128260.85	0.003	0.034	0.047	0.001	0.08590
595723.57	4128260.85	0.002	0.029	0.041	0.001	0.07344
595798.86	4128260.85	0.002	0.025	0.035	0.001	0.06274
595497.7	4128327.2	0.004	0.050	0.069	0.002	0.12394
595572.99	4128327.2	0.003	0.041	0.057	0.001	0.10321
595648.28	4128327.2	0.003	0.034	0.047	0.001	0.08590
595723.57	4128327.2	0.002	0.029	0.040	0.001	0.07162
595798.86	4128327.2	0.002	0.024	0.033	0.001	0.05993
595497.7	4128393.55	0.004	0.050	0.069	0.002	0.12491
595572.99	4128393.55	0.003	0.040	0.056	0.001	0.10065
595648.28	4128393.55	0.003	0.033	0.045	0.001	0.08156
595723.57	4128393.55	0.002	0.027	0.037	0.001	0.06660
595798.86	4128393.55	0.002	0.022	0.030	0.001	0.05486
595497.7	4128459.9	0.004	0.047	0.065	0.002	0.11769
595572.99	4128459.9	0.003	0.037	0.051	0.001	0.09232
595648.28	4128459.9	0.002	0.029	0.041	0.001	0.07340
595723.57	4128459.9	0.002	0.024	0.033	0.001	0.05918
595798.86	4128459.9	0.002	0.019	0.027	0.001	0.04841
595497.7	4128526.25	0.003	0.041	0.057	0.001	0.10327
595572.99	4128526.25	0.003	0.032	0.044	0.001	0.07987
595648.28	4128526.25	0.002	0.025	0.035	0.001	0.06309
595723.57	4128526.25	0.002	0.020	0.028	0.001	0.05082
595798.86	4128526.25	0.001	0.017	0.023	0.001	0.04169
595497.7	4128592.6	0.003	0.034	0.047	0.001	0.08529
595572.99	4128592.6	0.002	0.027	0.036	0.001	0.06621
595648.28	4128592.6	0.002	0.021	0.029	0.001	0.05274
595723.57	4128592.6	0.001	0.017	0.024	0.001	0.04295
595798.86	4128592.6	0.001	0.014	0.020	0.000	0.03565
595497.7	4128658.95	0.002	0.027	0.037	0.001	0.06761
595572.99	4128658.95	0.002	0.022	0.030	0.001	0.05393
595648.28	4128658.95	0.001	0.018	0.024	0.001	0.04384
595723.57	4128658.95	0.001	0.015	0.020	0.000	0.03639
595798.86	4128658.95	0.001	0.012	0.017	0.000	0.03073
595497.7	4128725.3	0.002	0.022	0.029	0.001	0.05327
595572.99	4128725.3	0.001	0.018	0.024	0.001	0.04395
595648.28	4128725.3	0.001	0.015	0.020	0.000	0.03670
595723.57	4128725.3	0.001	0.013	0.017	0.000	0.03116
595798.86	4128725.3	0.001	0.011	0.015	0.000	0.02681
595312.78	4128113.49	0.004	0.042	0.058	0.001	0.10561
595353.37	4128113.49	0.003	0.041	0.057	0.001	0.10287
595393.96	4128113.49	0.003	0.040	0.055	0.001	0.09962

595434.55	4128113.49	0.003	0.038	0.053	0.001	0.09597
595312.78	4128167.08	0.004	0.050	0.069	0.002	0.12405
595353.37	4128167.08	0.004	0.048	0.066	0.002	0.11931
595393.96	4128167.08	0.004	0.046	0.063	0.002	0.11413
595434.55	4128167.08	0.004	0.044	0.060	0.001	0.10869
595312.78	4128220.67	0.005	0.058	0.080	0.002	0.14497
595353.37	4128220.67	0.005	0.055	0.076	0.002	0.13744
595393.96	4128220.67	0.004	0.052	0.072	0.002	0.12965
595434.55	4128220.67	0.004	0.049	0.067	0.002	0.12182
595312.78	4128274.26	0.006	0.067	0.093	0.002	0.16772
595353.37	4128274.26	0.005	0.063	0.086	0.002	0.15633
595393.96	4128274.26	0.005	0.058	0.080	0.002	0.14511
595434.55	4128274.26	0.004	0.054	0.074	0.002	0.13426
593786.29	4129268.12	0.001	0.016	0.022	0.001	0.04014
593838.34	4129268.12	0.001	0.017	0.024	0.001	0.04341
593786.29	4129289.04	0.001	0.016	0.022	0.001	0.03969
593838.34	4129289.04	0.001	0.017	0.024	0.001	0.04279
593786.29	4129309.96	0.001	0.016	0.022	0.001	0.03919
593838.34	4129309.96	0.001	0.017	0.023	0.001	0.04212
595225.34	4128413.88	0.009	0.114	0.157	0.004	0.28438
595225.34	4128445.98	0.010	0.120	0.166	0.004	0.30063
595225.34	4128478.09	0.010	0.125	0.172	0.004	0.31134
595225.34	4128510.2	0.010	0.126	0.174	0.004	0.31466
595230.915	4128413.39	0.009	0.112	0.155	0.004	0.27946
595236.491	4128445.01	0.010	0.116	0.160	0.004	0.28910
595242.066	4128476.63	0.010	0.117	0.161	0.004	0.29175
595247.641	4128508.25	0.009	0.115	0.158	0.004	0.28621
595236.321	4128411.94	0.009	0.110	0.152	0.004	0.27428
595247.302	4128442.11	0.009	0.111	0.154	0.004	0.27774
595258.283	4128472.28	0.009	0.110	0.151	0.004	0.27380
595269.265	4128502.45	0.009	0.105	0.145	0.004	0.26208
595241.393	4128409.58	0.009	0.108	0.149	0.004	0.26903
595257.447	4128437.38	0.009	0.107	0.148	0.004	0.26700
595273.5	4128465.19	0.009	0.103	0.143	0.003	0.25803
595289.553	4128492.99	0.008	0.097	0.134	0.003	0.24244
595245.978	4128406.37	0.009	0.106	0.146	0.004	0.26387
595266.616	4128430.96	0.009	0.103	0.142	0.003	0.25717
595287.253	4128455.56	0.008	0.098	0.135	0.003	0.24460
595307.891	4128480.15	0.008	0.091	0.126	0.003	0.22691
595249.935	4128402.41	0.009	0.104	0.143	0.004	0.25897
595274.53	4128423.05	0.008	0.099	0.137	0.003	0.24839
595299.126	4128443.68	0.008	0.093	0.129	0.003	0.23337
595323.721	4128464.32	0.007	0.086	0.119	0.003	0.21485
595253.145	4128397.82	0.008	0.102	0.141	0.003	0.25441

595280.95	4128413.88	0.008	0.096	0.133	0.003	0.24070
595308.756	4128429.93	0.007	0.090	0.124	0.003	0.22411
595336.561	4128445.98	0.007	0.082	0.114	0.003	0.20551
595255.51	4128392.75	0.008	0.100	0.138	0.003	0.25029
595285.681	4128403.73	0.008	0.094	0.129	0.003	0.23405
595315.851	4128414.71	0.007	0.087	0.120	0.003	0.21650
595346.022	4128425.69	0.007	0.079	0.110	0.003	0.19824
595256.959	4128387.35	0.008	0.099	0.136	0.003	0.24664
595288.578	4128392.92	0.008	0.091	0.126	0.003	0.22840
595320.197	4128398.5	0.007	0.084	0.116	0.003	0.21023
595351.816	4128404.07	0.006	0.077	0.106	0.003	0.19246
595257.447	4128381.77	0.008	0.097	0.135	0.003	0.24352
595289.553	4128381.77	0.007	0.089	0.124	0.003	0.22366
595321.66	4128381.77	0.007	0.082	0.113	0.003	0.20503
595353.767	4128381.77	0.006	0.075	0.104	0.003	0.18769
595256.959	4128376.19	0.008	0.096	0.133	0.003	0.24095
595288.578	4128370.62	0.007	0.088	0.122	0.003	0.21978
595320.197	4128365.04	0.007	0.080	0.111	0.003	0.20075
595351.816	4128359.47	0.006	0.073	0.102	0.002	0.18364
595255.51	4128370.79	0.008	0.096	0.132	0.003	0.23895
595285.681	4128359.81	0.007	0.087	0.120	0.003	0.21671
595315.851	4128348.83	0.007	0.079	0.109	0.003	0.19725
595346.022	4128337.85	0.006	0.072	0.100	0.002	0.18014
595253.145	4128365.72	0.008	0.095	0.131	0.003	0.23756
595280.95	4128349.66	0.007	0.086	0.119	0.003	0.21444
595308.756	4128333.61	0.006	0.078	0.108	0.003	0.19450
595336.561	4128317.56	0.006	0.071	0.098	0.002	0.17716
595249.935	4128361.13	0.008	0.095	0.131	0.003	0.23677
595274.53	4128340.49	0.007	0.085	0.118	0.003	0.21301
595299.126	4128319.86	0.006	0.077	0.106	0.003	0.19253
595323.721	4128299.22	0.006	0.070	0.097	0.002	0.17478
595245.978	4128357.17	0.008	0.095	0.131	0.003	0.23663
595266.616	4128332.58	0.007	0.085	0.118	0.003	0.21246
595287.253	4128307.98	0.006	0.077	0.106	0.003	0.19145
595307.891	4128283.39	0.006	0.069	0.096	0.002	0.17314
595241.393	4128353.96	0.008	0.095	0.131	0.003	0.23714
595257.447	4128326.16	0.007	0.085	0.118	0.003	0.21284
595273.5	4128298.35	0.006	0.077	0.106	0.003	0.19136
595289.553	4128270.55	0.006	0.069	0.095	0.002	0.17243
595236.321	4128351.6	0.008	0.095	0.132	0.003	0.23832
595247.302	4128321.43	0.007	0.086	0.119	0.003	0.21425
595258.283	4128291.26	0.006	0.077	0.106	0.003	0.19243
595269.265	4128261.09	0.006	0.069	0.096	0.002	0.17288
595230.915	4128350.15	0.008	0.096	0.133	0.003	0.24020

595236.491	4128318.53	0.007	0.087	0.120	0.003	0.21677
595242.066	4128286.91	0.006	0.078	0.108	0.003	0.19484
595247.641	4128255.29	0.006	0.070	0.097	0.002	0.17476
595225.34	4128349.66	0.008	0.097	0.134	0.003	0.24277
595225.34	4128317.56	0.007	0.088	0.122	0.003	0.22050
595225.34	4128285.45	0.007	0.080	0.110	0.003	0.19881
595225.34	4128253.34	0.006	0.071	0.099	0.002	0.17834
595219.765	4128350.15	0.008	0.098	0.136	0.003	0.24602
595214.189	4128318.53	0.007	0.090	0.125	0.003	0.22556
595208.614	4128286.91	0.007	0.082	0.113	0.003	0.20456
595203.039	4128255.29	0.006	0.074	0.102	0.002	0.18396
595214.359	4128351.6	0.008	0.100	0.138	0.003	0.24991
595203.378	4128321.43	0.008	0.093	0.128	0.003	0.23202
595192.397	4128291.26	0.007	0.085	0.117	0.003	0.21234
595181.415	4128261.09	0.006	0.077	0.106	0.003	0.19207
595209.287	4128353.96	0.008	0.102	0.141	0.003	0.25440
595193.233	4128326.16	0.008	0.096	0.133	0.003	0.23991
595177.18	4128298.35	0.007	0.089	0.123	0.003	0.22241
595161.127	4128270.55	0.007	0.081	0.112	0.003	0.20315
595204.702	4128357.17	0.009	0.104	0.144	0.004	0.25941
595184.064	4128332.58	0.008	0.100	0.138	0.003	0.24924
595163.427	4128307.98	0.008	0.094	0.130	0.003	0.23500
595142.789	4128283.39	0.007	0.087	0.120	0.003	0.21776
595200.745	4128361.13	0.009	0.106	0.147	0.004	0.26480
595176.15	4128340.49	0.009	0.104	0.144	0.004	0.25990
595151.555	4128319.86	0.008	0.100	0.138	0.003	0.25024
595126.959	4128299.22	0.008	0.095	0.131	0.003	0.23647
595197.535	4128365.72	0.009	0.108	0.150	0.004	0.27041
595169.73	4128349.66	0.009	0.109	0.150	0.004	0.27166
595141.924	4128333.61	0.009	0.107	0.148	0.004	0.26810
595114.119	4128317.56	0.009	0.104	0.144	0.004	0.25974
595195.17	4128370.79	0.009	0.110	0.153	0.004	0.27606
595164.999	4128359.81	0.009	0.114	0.157	0.004	0.28416
595134.829	4128348.83	0.010	0.115	0.159	0.004	0.28825
595104.658	4128337.85	0.010	0.115	0.159	0.004	0.28766
595193.721	4128376.19	0.009	0.113	0.156	0.004	0.28148
595162.102	4128370.62	0.010	0.119	0.164	0.004	0.29684
595130.483	4128365.04	0.010	0.124	0.171	0.004	0.30988
595098.864	4128359.47	0.011	0.128	0.177	0.004	0.31962
595193.233	4128381.77	0.009	0.115	0.158	0.004	0.28645
595161.127	4128381.77	0.010	0.124	0.171	0.004	0.30897
595129.02	4128381.77	0.011	0.133	0.184	0.004	0.33168
595096.913	4128381.77	0.012	0.142	0.196	0.005	0.35383
595193.721	4128387.35	0.010	0.116	0.161	0.004	0.29071

595162.102	4128392.92	0.011	0.128	0.177	0.004	0.31972
595130.483	4128398.5	0.012	0.141	0.195	0.005	0.35183
595098.864	4128404.07	0.013	0.155	0.214	0.005	0.38709
595195.17	4128392.75	0.010	0.118	0.163	0.004	0.29402
595164.999	4128403.73	0.011	0.131	0.182	0.004	0.32822
595134.829	4128414.71	0.012	0.147	0.204	0.005	0.36816
595104.658	4128425.69	0.014	0.166	0.230	0.006	0.41498
595197.535	4128397.82	0.010	0.118	0.164	0.004	0.29621
595169.73	4128413.88	0.011	0.133	0.185	0.005	0.33375
595141.924	4128429.93	0.013	0.151	0.210	0.005	0.37869
595114.119	4128445.98	0.014	0.173	0.240	0.006	0.43298
595200.745	4128402.41	0.010	0.119	0.164	0.004	0.29714
595176.15	4128423.05	0.011	0.134	0.186	0.005	0.33581
595151.555	4128443.68	0.013	0.153	0.211	0.005	0.38205
595126.959	4128464.32	0.014	0.175	0.242	0.006	0.43781
595204.702	4128406.37	0.010	0.119	0.164	0.004	0.29679
595184.064	4128430.96	0.011	0.134	0.185	0.005	0.33425
595163.427	4128455.56	0.013	0.151	0.209	0.005	0.37784
595142.789	4128480.15	0.014	0.171	0.237	0.006	0.42870
595209.287	4128409.58	0.010	0.118	0.163	0.004	0.29519
595193.233	4128437.38	0.011	0.132	0.182	0.004	0.32929
595177.18	4128465.19	0.012	0.147	0.203	0.005	0.36683
595161.127	4128492.99	0.013	0.163	0.226	0.006	0.40761
595214.359	4128411.94	0.010	0.117	0.162	0.004	0.29246
595203.378	4128442.11	0.011	0.129	0.178	0.004	0.32152
595192.397	4128472.28	0.012	0.140	0.194	0.005	0.35069
595181.415	4128502.45	0.013	0.151	0.209	0.005	0.37857
595219.765	4128413.39	0.010	0.116	0.160	0.004	0.28879
595214.189	4128445.01	0.010	0.125	0.172	0.004	0.31169
595208.614	4128476.63	0.011	0.133	0.183	0.004	0.33153
595203.039	4128508.25	0.011	0.139	0.192	0.005	0.34628
594645.59	4128502.87	0.007	0.082	0.108	0.003	0.19973
594644.51	4128523.39	0.009	0.114	0.154	0.004	0.28139
594640.67	4128547.67	0.014	0.167	0.228	0.006	0.41447
594778.05	4128503.58	0.052	0.625	0.865	0.021	1.56263
594789.55	4128515.08	0.061	0.734	1.016	0.025	1.83633
594800.41	4128527.22	0.069	0.839	1.162	0.028	2.09844
594813.83	4128543.19	0.080	0.960	1.331	0.033	2.40404
594859.83	4128584.08	0.089	1.076	1.492	0.037	2.69413
594870.05	4128594.31	0.090	1.086	1.505	0.037	2.71714
594880.91	4128605.81	0.090	1.088	1.508	0.037	2.72283
594891.78	4128616.67	0.089	1.071	1.485	0.036	2.68138
594611.28	4128774.49	0.035	0.426	0.591	0.014	1.06727
594594.03	4128775.13	0.030	0.357	0.495	0.012	0.89450

594611.92	4128737.43	0.035	0.421	0.584	0.014	1.05388
594614.48	4128716.98	0.034	0.416	0.576	0.014	1.04001
594595.95	4128717.62	0.028	0.338	0.467	0.011	0.84424
594590.84	4128739.35	0.028	0.336	0.466	0.011	0.84171
594572.95	4128737.43	0.023	0.281	0.389	0.010	0.70202
594558.25	4128731.68	0.020	0.241	0.334	0.008	0.60333
594650.26	4128653.09	0.046	0.550	0.759	0.019	1.37317
594556.33	4128743.18	0.020	0.244	0.337	0.008	0.60938
594156.81	4128109.88	0.002	0.018	0.021	0.001	0.04131
594173.28	4128104.16	0.002	0.022	0.024	0.001	0.04843
594204.67	4128130.51	0.001	0.015	0.017	0.000	0.03312
594294.16	4128082.57	0.004	0.047	0.052	0.001	0.10453
594402.07	4128182.58	0.001	0.011	0.013	0.000	0.02457
594560.99	4128457.35	0.002	0.028	0.038	0.001	0.06955
594484.6	4128319.73	0.001	0.012	0.015	0.000	0.02778
594496.18	4128330.79	0.001	0.012	0.016	0.000	0.02938
594785.03	4128768.48	0.142	1.711	2.375	0.058	4.28639
594809.73	4128769.39	0.105	1.263	1.752	0.043	3.16338
594853.71	4128775.36	0.060	0.724	1.001	0.025	1.80883
594860.97	4128775.36	0.055	0.662	0.915	0.022	1.65376
594896.14	4128777.48	0.032	0.387	0.527	0.013	0.95885
595133.8	4128685.43	0.011	0.132	0.182	0.004	0.32945
594914.19	4128786.67	0.024	0.286	0.383	0.009	0.70217
594874.82	4128777.83	0.043	0.517	0.712	0.017	1.28993
594152.05	4128129.79	0.001	0.013	0.015	0.000	0.03030
594202.81	4128148.84	0.001	0.012	0.014	0.000	0.02745
594241.18	4128131.38	0.001	0.015	0.017	0.000	0.03405
594332.26	4128103.12	0.002	0.026	0.029	0.001	0.05788
594456.05	4128365.74	0.001	0.013	0.017	0.000	0.03224
594570.17	4128468.28	0.003	0.032	0.043	0.001	0.07868
594462.2	4128339.56	0.001	0.012	0.016	0.000	0.02919
594506.43	4128340.91	0.001	0.013	0.017	0.000	0.03110
594790.08	4128779.43	0.103	1.249	1.733	0.042	3.12809
594830.62	4128770.02	0.085	1.021	1.415	0.035	2.55490
594782.57	4128786.09	0.090	1.092	1.516	0.037	2.73544
594852.94	4128785.86	0.047	0.571	0.789	0.019	1.42687
594873.88	4128804.73	0.024	0.291	0.400	0.010	0.72482
595133.34	4128701.89	0.010	0.119	0.163	0.004	0.29619
595019.02	4128685.83	0.028	0.343	0.474	0.012	0.85680
595057.48	4128670.69	0.021	0.259	0.358	0.009	0.64813
595058.31	4128653.72	0.023	0.276	0.382	0.009	0.68992
595056.86	4128637.66	0.024	0.292	0.404	0.010	0.73007
594151.73	4128146.21	0.001	0.011	0.013	0.000	0.02575
594240.91	4128149.07	0.001	0.012	0.015	0.000	0.02849

594174.19	4128094.46	0.002	0.028	0.031	0.001	0.06162
594310.35	4128118.59	0.002	0.019	0.022	0.001	0.04254
594494.91	4128412.28	0.001	0.018	0.024	0.001	0.04333
594580.96	4128478.67	0.003	0.037	0.049	0.001	0.09049
594471.65	4128352.38	0.001	0.013	0.017	0.000	0.03109
594515.61	4128353.46	0.001	0.014	0.018	0.000	0.03339
594929.89	4128040.25	0.002	0.023	0.031	0.001	0.05629
594897.89	4128019.95	0.002	0.020	0.026	0.001	0.04880
594729.44	4128313.92	0.005	0.060	0.073	0.002	0.13986
594730.04	4128324.02	0.005	0.063	0.077	0.002	0.14717
594965.04	4128727.99	0.040	0.483	0.665	0.016	1.20431
595039.74	4128656.87	0.026	0.319	0.441	0.011	0.79721
595011.68	4128715.14	0.025	0.302	0.416	0.010	0.75374
595023.07	4128705.51	0.024	0.290	0.400	0.010	0.72337
595035.37	4128696.33	0.023	0.274	0.378	0.009	0.68393
595048.6	4128684.86	0.022	0.260	0.359	0.009	0.64991
594156.81	4128166.44	0.001	0.010	0.012	0.000	0.02268
594324.73	4128150.25	0.001	0.013	0.015	0.000	0.02958
594192.29	4128092.14	0.003	0.031	0.034	0.001	0.06824
594328.45	4128132.15	0.001	0.016	0.018	0.000	0.03547
594484.65	4128398.92	0.001	0.016	0.021	0.001	0.03953
594590.68	4128491.48	0.004	0.044	0.059	0.001	0.10808
594481.09	4128364.92	0.001	0.014	0.018	0.000	0.03328
594526.67	4128365.19	0.001	0.015	0.019	0.000	0.03601
594851.13	4127984.38	0.001	0.017	0.021	0.001	0.03986
594848.47	4128001.92	0.001	0.018	0.023	0.001	0.04265
594712.46	4128323.73	0.006	0.075	0.089	0.002	0.17189
594780.3	4128311.57	0.005	0.061	0.080	0.002	0.14825
595091.67	4128681.59	0.015	0.185	0.255	0.006	0.46097
594985.15	4128715.08	0.034	0.413	0.570	0.014	1.03147
595001.12	4128701.32	0.031	0.378	0.523	0.013	0.94518
594975.35	4128737.57	0.031	0.371	0.510	0.012	0.92345
594894.98	4128801.8	0.020	0.245	0.334	0.008	0.60812
594918.29	4128804.09	0.017	0.200	0.268	0.007	0.49046
594935.19	4128811.44	0.014	0.173	0.228	0.006	0.42138
594292.66	4128148.25	0.001	0.013	0.015	0.000	0.02970
594206.26	4128109.2	0.002	0.021	0.023	0.001	0.04622
594372.26	4128145.71	0.001	0.014	0.016	0.000	0.03079
594476.02	4128388.8	0.001	0.015	0.020	0.000	0.03698
594599.04	4128501.06	0.004	0.052	0.069	0.002	0.12688
594492.7	4128375.31	0.001	0.015	0.019	0.000	0.03559
594534.77	4128374.77	0.001	0.016	0.021	0.001	0.03836
594931.92	4128018.42	0.002	0.021	0.028	0.001	0.05188
594897.21	4128000.82	0.002	0.019	0.024	0.001	0.04536



594753.99	4128314.5	0.005	0.057	0.073	0.002	0.13645
594780.53	4128299.81	0.005	0.056	0.074	0.002	0.13648
595091.67	4128697.59	0.014	0.166	0.229	0.006	0.41466
595033.78	4128674.19	0.026	0.315	0.435	0.011	0.78690
595092.89	4128798.07	0.006	0.070	0.094	0.002	0.17169
595109.32	4128798.07	0.005	0.064	0.086	0.002	0.15775
595123.92	4128797.61	0.005	0.060	0.081	0.002	0.14730
594594.57	4128547.24	0.008	0.091	0.124	0.003	0.22512
594610.2	4128548.32	0.009	0.109	0.148	0.004	0.26992
594624.75	4128548.86	0.011	0.132	0.180	0.004	0.32809
594621.75	4128590.45	0.018	0.218	0.299	0.007	0.54262
594105.97	4128171.34	0.001	0.009	0.010	0.000	0.01988
594239.91	4128105.3	0.002	0.023	0.026	0.001	0.05193
594369.41	4128168.8	0.001	0.011	0.014	0.000	0.02617
594584.77	4128432.65	0.002	0.026	0.034	0.001	0.06302
594576.92	4128422.67	0.002	0.024	0.031	0.001	0.05697
594616.02	4128467.73	0.003	0.041	0.053	0.001	0.09842
594556.63	4128400.54	0.002	0.019	0.025	0.001	0.04647
594898.07	4127985.5	0.001	0.018	0.023	0.001	0.04286
594929.03	4127999.04	0.002	0.020	0.026	0.001	0.04779
594766.84	4128316.04	0.005	0.059	0.077	0.002	0.14315
594779.15	4128327.06	0.006	0.067	0.089	0.002	0.16374
595090.75	4128714.05	0.012	0.148	0.203	0.005	0.36803
595008.09	4128772.32	0.013	0.158	0.214	0.005	0.38968
595051.13	4128776.45	0.009	0.108	0.147	0.004	0.26771
595018.02	4128785.17	0.010	0.125	0.168	0.004	0.30770
595050.97	4128790.22	0.008	0.095	0.128	0.003	0.23347
594549.75	4128547.91	0.005	0.063	0.087	0.002	0.15728
594565.38	4128547.1	0.006	0.071	0.096	0.002	0.17505
594642.31	4128571.41	0.020	0.246	0.337	0.008	0.61226
594649.57	4128583.56	0.027	0.329	0.451	0.011	0.81764
594156.81	4128181.41	0.001	0.009	0.011	0.000	0.02116
594242.13	4128084.89	0.003	0.041	0.046	0.001	0.09185
594466.33	4128377.73	0.001	0.014	0.019	0.000	0.03453
594595.83	4128445.2	0.002	0.030	0.039	0.001	0.07265
594606.6	4128457.61	0.003	0.035	0.046	0.001	0.08484
594567.98	4128410.66	0.002	0.021	0.028	0.001	0.05106
594623.82	4128478.93	0.004	0.048	0.063	0.002	0.11690
594850.69	4127967.48	0.001	0.016	0.020	0.000	0.03711
594713.46	4128311.86	0.006	0.071	0.084	0.002	0.16305
594766.84	4128324.25	0.005	0.062	0.082	0.002	0.15125
594779.15	4128339.62	0.006	0.073	0.097	0.002	0.17865
594863.24	4128961.31	0.005	0.062	0.084	0.002	0.15326
595029.65	4128774.56	0.011	0.129	0.175	0.004	0.31883

595091.97	4128774.56	0.007	0.085	0.115	0.003	0.21048
595109.78	4128774.56	0.006	0.077	0.104	0.003	0.18990
595050.97	4128765.38	0.010	0.122	0.166	0.004	0.30206
594535.7	4128548.04	0.005	0.058	0.079	0.002	0.14322
594580.5	4128547.5	0.007	0.080	0.109	0.003	0.19868
594639.61	4128583.69	0.022	0.272	0.373	0.009	0.67605
594649.3	4128595.3	0.030	0.368	0.505	0.012	0.91595
594112.36	4128157.82	0.001	0.009	0.011	0.000	0.02151
594316.11	4128129.88	0.001	0.016	0.018	0.000	0.03633
594604.22	4128516.57	0.005	0.066	0.088	0.002	0.16161
594544.02	4128470.15	0.002	0.030	0.040	0.001	0.07275
594516.47	4128436.69	0.002	0.022	0.029	0.001	0.05270
594531.56	4128422.12	0.002	0.020	0.027	0.001	0.04986
594502.39	4128386.5	0.001	0.016	0.021	0.001	0.03826
594711.93	4128340.94	0.007	0.080	0.096	0.002	0.18478
594724.7	4128340.71	0.006	0.071	0.088	0.002	0.16625
594738.16	4128340.94	0.006	0.068	0.086	0.002	0.16190
594764.92	4128298.95	0.004	0.053	0.069	0.002	0.12766
594855.84	4128802.72	0.031	0.370	0.511	0.013	0.92391
594785.53	4128831.63	0.030	0.357	0.495	0.012	0.89393
594796.46	4128831.63	0.028	0.334	0.462	0.011	0.83486
595049.6	4128808.45	0.007	0.083	0.110	0.003	0.20212
594828.2	4128794.7	0.048	0.584	0.808	0.020	1.46042
594891.14	4128831.45	0.013	0.161	0.220	0.005	0.39988
594905.45	4128831.19	0.012	0.146	0.198	0.005	0.36112
594918	4128830.69	0.011	0.137	0.185	0.005	0.33745
594291.98	4128131.38	0.001	0.016	0.018	0.000	0.03524
594574.27	4128502.13	0.004	0.045	0.061	0.001	0.11119
594554.54	4128483.51	0.003	0.034	0.046	0.001	0.08471
594525.37	4128448.16	0.002	0.024	0.032	0.001	0.05832
594541.54	4128435.48	0.002	0.023	0.030	0.001	0.05583
594512.1	4128397.16	0.001	0.017	0.022	0.001	0.04121
594788.47	4128796.69	0.061	0.743	1.030	0.025	1.85927
594812.03	4128788.66	0.065	0.781	1.083	0.027	1.95583
594808.73	4128806.79	0.042	0.503	0.697	0.017	1.25843
594855.23	4128813.67	0.025	0.297	0.409	0.010	0.74027
594859.28	4128793.94	0.036	0.436	0.602	0.015	1.08829
595427.44	4129452.45	0.001	0.013	0.016	0.000	0.03038
595443.76	4129477.89	0.001	0.012	0.015	0.000	0.02844
595096.58	4128893.01	0.004	0.052	0.065	0.002	0.12308
594931.43	4128831.15	0.011	0.130	0.174	0.004	0.31888
594942.72	4128831.15	0.011	0.130	0.170	0.004	0.31498
594952	4128830.89	0.011	0.134	0.173	0.004	0.32261
594296.11	4128099.86	0.002	0.027	0.031	0.001	0.06132

594583.17	4128516.02	0.005	0.056	0.075	0.002	0.13735
594565.07	4128491.74	0.003	0.039	0.052	0.001	0.09569
594535.36	4128456.66	0.002	0.026	0.035	0.001	0.06379
594551.25	4128443.17	0.002	0.025	0.033	0.001	0.06058
594634.61	4128491.2	0.005	0.062	0.081	0.002	0.15008
594807.75	4128780.8	0.083	0.999	1.386	0.034	2.50190
594789.31	4128805.81	0.048	0.577	0.800	0.020	1.44487
594831.22	4128783.32	0.063	0.757	1.049	0.026	1.89430
594832.05	4128808.57	0.034	0.407	0.563	0.014	1.01822
594810.94	4128797.36	0.052	0.626	0.867	0.021	1.56579
595414.09	4129463.99	0.001	0.011	0.014	0.000	0.02649
595497.65	4129524.43	0.001	0.012	0.014	0.000	0.02760
595481.49	4129523.42	0.001	0.011	0.013	0.000	0.02550
595080.91	4128875.09	0.005	0.057	0.072	0.002	0.13501
595084.17	4128856.08	0.005	0.056	0.072	0.002	0.13410
595139.79	4128859.08	0.003	0.042	0.054	0.001	0.10067
595164.13	4128891	0.003	0.035	0.045	0.001	0.08468
595207.95	4128939.61	0.002	0.029	0.036	0.001	0.06819
595220.47	4129289.9	0.001	0.013	0.017	0.000	0.03142
595259.38	4129289.47	0.001	0.015	0.018	0.000	0.03485
595294.68	4129290.12	0.001	0.018	0.021	0.001	0.04072
594902.61	4129107.8	0.002	0.026	0.035	0.001	0.06423
594827.43	4129184.31	0.002	0.025	0.034	0.001	0.06234
594852.82	4129183.98	0.002	0.023	0.032	0.001	0.05753
595333.6	4129288.08	0.002	0.026	0.030	0.001	0.05828
595380.35	4129325.01	0.003	0.030	0.035	0.001	0.06831
595354.7	4129297.95	0.003	0.030	0.035	0.001	0.06859
595368.91	4129310.75	0.003	0.031	0.036	0.001	0.07070
595107.61	4128896.67	0.004	0.048	0.061	0.001	0.11432
595293.36	4129039.9	0.002	0.022	0.027	0.001	0.05240
595128.46	4128901.73	0.003	0.042	0.054	0.001	0.10061
595155	4128868.94	0.003	0.038	0.050	0.001	0.09181
595175.78	4128905.49	0.003	0.033	0.042	0.001	0.07922
595238.67	4129290.18	0.001	0.014	0.017	0.000	0.03268
595275	4129290.4	0.001	0.016	0.019	0.000	0.03684
595312.87	4129293.82	0.002	0.019	0.023	0.001	0.04479
594951.95	4129201.23	0.001	0.017	0.022	0.001	0.04084
594951.45	4129184.34	0.001	0.018	0.024	0.001	0.04316
594951.87	4129167.45	0.002	0.019	0.025	0.001	0.04563
595428.66	4129378.62	0.002	0.029	0.033	0.001	0.06504
595310.9	4129057.13	0.002	0.021	0.026	0.001	0.05006
595331.92	4129156.05	0.003	0.031	0.036	0.001	0.07073
595321.54	4129074.33	0.002	0.021	0.026	0.001	0.04959
595113.6	4128851.38	0.004	0.048	0.063	0.002	0.11633

595112.85	4128887.74	0.004	0.046	0.059	0.001	0.10996
595120.78	4128911.11	0.004	0.045	0.057	0.001	0.10687
595221.89	4128959.1	0.002	0.027	0.034	0.001	0.06467
595233.53	4128971.89	0.002	0.026	0.033	0.001	0.06204
595119.78	4129332.57	0.001	0.010	0.014	0.000	0.02525
595138.93	4129334.68	0.001	0.010	0.014	0.000	0.02524
595155.7	4129334.42	0.001	0.011	0.014	0.000	0.02546
595183.3	4129288.98	0.001	0.012	0.016	0.000	0.02975
595272.73	4129366.65	0.001	0.011	0.014	0.000	0.02650
595214.73	4129331.51	0.001	0.011	0.014	0.000	0.02716
595287.25	4129332.83	0.001	0.013	0.016	0.000	0.03127
595311.95	4129339.18	0.001	0.014	0.017	0.000	0.03311
595331.37	4129347.63	0.001	0.015	0.018	0.000	0.03456
595074.4	4129323.35	0.001	0.011	0.014	0.000	0.02585
595285.77	4129354.5	0.001	0.012	0.015	0.000	0.02846
595418.42	4129365.33	0.002	0.030	0.034	0.001	0.06732
595279.07	4129085.35	0.002	0.030	0.035	0.001	0.06870
595372.78	4129189.43	0.002	0.027	0.031	0.001	0.06138
595343.48	4129168.35	0.003	0.031	0.036	0.001	0.06962
595230.18	4129029.41	0.003	0.032	0.039	0.001	0.07412
595263.39	4129007.48	0.002	0.024	0.030	0.001	0.05669
595279.79	4129026.86	0.002	0.023	0.029	0.001	0.05438
595147.72	4128938.09	0.003	0.040	0.050	0.001	0.09442
595137.3	4128924.75	0.003	0.042	0.052	0.001	0.09812
595112.65	4129285.77	0.001	0.012	0.015	0.000	0.02870
595074.99	4129304.8	0.001	0.011	0.015	0.000	0.02717
595127.17	4129285.77	0.001	0.012	0.015	0.000	0.02878
595175.91	4129334.39	0.001	0.011	0.014	0.000	0.02584
595255.03	4129366.62	0.001	0.011	0.014	0.000	0.02574
595237.46	4129351.56	0.001	0.011	0.014	0.000	0.02632
595439.07	4129389.95	0.002	0.029	0.033	0.001	0.06506
595452.9	4129402.76	0.002	0.030	0.034	0.001	0.06712
595371.16	4129439.36	0.001	0.011	0.013	0.000	0.02540
595393.46	4129414.88	0.001	0.014	0.017	0.000	0.03196
595476.63	4129434.13	0.002	0.026	0.030	0.001	0.05946
595458.53	4129407.98	0.002	0.030	0.034	0.001	0.06744
595408.18	4129350.58	0.003	0.032	0.037	0.001	0.07229
595257.99	4129067.54	0.003	0.032	0.038	0.001	0.07337
595306.54	4129122.59	0.003	0.030	0.036	0.001	0.06935
595319.82	4129140.23	0.003	0.031	0.036	0.001	0.07002
595240.41	4129023.07	0.002	0.029	0.035	0.001	0.06696
595247.31	4128986.52	0.002	0.025	0.031	0.001	0.05923
595252.74	4128994.2	0.002	0.025	0.031	0.001	0.05837
595192.09	4128920.73	0.003	0.031	0.039	0.001	0.07317

595175.66	4128966.77	0.003	0.036	0.045	0.001	0.08488
595088.6	4129290.76	0.001	0.012	0.015	0.000	0.02826
595148.7	4129287.07	0.001	0.012	0.016	0.000	0.02896
595164.42	4129287.86	0.001	0.012	0.016	0.000	0.02922
595198.63	4129286.27	0.001	0.013	0.016	0.000	0.03066
595196.38	4129334.89	0.001	0.011	0.014	0.000	0.02631
595235.34	4129332.77	0.001	0.012	0.015	0.000	0.02786
595444.67	4129395.56	0.002	0.029	0.033	0.001	0.06568
595365.92	4129389.11	0.001	0.014	0.017	0.000	0.03231
595379.02	4129400.34	0.001	0.014	0.017	0.000	0.03227
595382.68	4129426.61	0.001	0.012	0.015	0.000	0.02830
595488.78	4129448.63	0.002	0.026	0.030	0.001	0.05915
595466.19	4129420.63	0.002	0.027	0.031	0.001	0.06108
595393.19	4129336.56	0.003	0.032	0.036	0.001	0.07110
595247.67	4129052.75	0.003	0.032	0.038	0.001	0.07310
595290.63	4129099.2	0.002	0.030	0.035	0.001	0.06798
595327.57	4129081.99	0.002	0.021	0.026	0.001	0.04915
595203.86	4128999.19	0.003	0.034	0.041	0.001	0.07859
595219.16	4129017.83	0.003	0.033	0.040	0.001	0.07625
595229.71	4129010.52	0.002	0.029	0.036	0.001	0.06862
595160.4	4128953.08	0.003	0.039	0.048	0.001	0.09035
595191.01	4128985.43	0.003	0.035	0.043	0.001	0.08153
595341.75	4129361.55	0.001	0.015	0.017	0.000	0.03366
595319.56	4129372.12	0.001	0.013	0.015	0.000	0.02918
594823.12	4129350.69	0.001	0.016	0.021	0.001	0.03869
594840.16	4129351.18	0.001	0.015	0.020	0.000	0.03712
594856.23	4129352.15	0.001	0.014	0.019	0.000	0.03548
594950.83	4129354.09	0.001	0.011	0.015	0.000	0.02700
594967.39	4129353.6	0.001	0.011	0.014	0.000	0.02609
594983.45	4129353.6	0.001	0.010	0.014	0.000	0.02536
595001.49	4129349.66	0.001	0.010	0.014	0.000	0.02499
595044.8	4129396.91	0.001	0.009	0.012	0.000	0.02152
595075.17	4129370.37	0.001	0.009	0.012	0.000	0.02288
595126.08	4129373.64	0.001	0.009	0.012	0.000	0.02284
595243.87	4129478.68	0.001	0.008	0.010	0.000	0.01869
595274.5	4129500.59	0.001	0.008	0.010	0.000	0.01807
595213.07	4129402.68	0.001	0.009	0.012	0.000	0.02220
595265.91	4129429.75	0.001	0.009	0.011	0.000	0.02163
595301.52	4129380.53	0.001	0.011	0.014	0.000	0.02682
594793.06	4129350.42	0.001	0.017	0.023	0.001	0.04096
594809.62	4129351.39	0.001	0.016	0.022	0.001	0.03971
594871.74	4129351.88	0.001	0.014	0.019	0.000	0.03396
594886.84	4129352.36	0.001	0.013	0.018	0.000	0.03242
594901.45	4129353.81	0.001	0.013	0.017	0.000	0.03092

594919.95	4129353.33	0.001	0.012	0.016	0.000	0.02932
594937.47	4129353.33	0.001	0.011	0.015	0.000	0.02795
595042.27	4129376.58	0.001	0.009	0.012	0.000	0.02266
595074.73	4129391.99	0.001	0.009	0.012	0.000	0.02165
595196.07	4129448.03	0.001	0.008	0.011	0.000	0.01960
595231.02	4129462.96	0.001	0.008	0.010	0.000	0.01927
595258.89	4129485.88	0.001	0.008	0.010	0.000	0.01855
595214.71	4129454.65	0.001	0.008	0.010	0.000	0.01948
595234.32	4129411.58	0.001	0.009	0.012	0.000	0.02206
595295.77	4129404.2	0.001	0.010	0.013	0.000	0.02439
594782.4	4129402.99	0.001	0.015	0.020	0.000	0.03627
594801.86	4129402.51	0.001	0.014	0.019	0.000	0.03540
594867.38	4129404.44	0.001	0.012	0.017	0.000	0.03053
594932.94	4129404.03	0.001	0.010	0.014	0.000	0.02531
594916.39	4129403.8	0.001	0.011	0.014	0.000	0.02653
594980.9	4129488.37	0.001	0.008	0.010	0.000	0.01904
595042.13	4129464.29	0.001	0.008	0.010	0.000	0.01841
595043.53	4129409.85	0.001	0.009	0.011	0.000	0.02087
595075.74	4129409.01	0.001	0.009	0.011	0.000	0.02075
595120.42	4129478.92	0.001	0.007	0.010	0.000	0.01765
595156.71	4129400.4	0.001	0.009	0.012	0.000	0.02161
595177.02	4129399.64	0.001	0.009	0.012	0.000	0.02187
595196.66	4129400.39	0.001	0.009	0.012	0.000	0.02208
595250.73	4129418.85	0.001	0.009	0.012	0.000	0.02196
595313	4129420.08	0.001	0.010	0.012	0.000	0.02362
594781.91	4129437.14	0.001	0.013	0.018	0.000	0.03339
594830.95	4129407.57	0.001	0.013	0.018	0.000	0.03317
594849.93	4129403.69	0.001	0.013	0.018	0.000	0.03202
594816.55	4129402.72	0.001	0.014	0.019	0.000	0.03452
594883.03	4129407.57	0.001	0.012	0.016	0.000	0.02902
594981.08	4129408.19	0.001	0.009	0.012	0.000	0.02244
595042.55	4129444.39	0.001	0.008	0.010	0.000	0.01925
595042.69	4129361.68	0.001	0.010	0.013	0.000	0.02353
595074.05	4129427.93	0.001	0.008	0.011	0.000	0.01981
595075.46	4129481.52	0.001	0.007	0.009	0.000	0.01748
595077.71	4129443.96	0.001	0.008	0.010	0.000	0.01906
595140.24	4129399.04	0.001	0.009	0.012	0.000	0.02153
595119.5	4129398.54	0.001	0.009	0.012	0.000	0.02141
595281.49	4129442.51	0.001	0.009	0.011	0.000	0.02123
595334.74	4129423.24	0.001	0.010	0.013	0.000	0.02440
594864.47	4129487.19	0.001	0.011	0.014	0.000	0.02595
594830.95	4129434.93	0.001	0.013	0.017	0.000	0.03119
594850.89	4129434.93	0.001	0.012	0.016	0.000	0.02984
594818	4129433.96	0.001	0.013	0.018	0.000	0.03203

594883.03	4129434.93	0.001	0.011	0.015	0.000	0.02741
594981.08	4129435.55	0.001	0.009	0.012	0.000	0.02116
595042.55	4129430.39	0.001	0.008	0.011	0.000	0.01989
595047.75	4129479.34	0.001	0.007	0.010	0.000	0.01775
594931.84	4129488.8	0.001	0.009	0.012	0.000	0.02150
594799.73	4129485.62	0.001	0.012	0.016	0.000	0.02934
595075.6	4129465.84	0.001	0.007	0.010	0.000	0.01812
595137.24	4129447.6	0.001	0.008	0.010	0.000	0.01911
595255.31	4129522.17	0.001	0.007	0.009	0.000	0.01691
595311.84	4129464.54	0.001	0.009	0.011	0.000	0.02068
595351.96	4129405.48	0.001	0.012	0.015	0.000	0.02780
594846.58	4129485.19	0.001	0.011	0.015	0.000	0.02716
594882.33	4129487.03	0.001	0.010	0.014	0.000	0.02479
594896.74	4129487.49	0.001	0.010	0.013	0.000	0.02381
594933.4	4129439.32	0.001	0.010	0.013	0.000	0.02352
594916.85	4129436.8	0.001	0.010	0.014	0.000	0.02477
594963.52	4129489.06	0.001	0.008	0.011	0.000	0.01978
594998.39	4129487.22	0.001	0.008	0.010	0.000	0.01846
594947.7	4129488.63	0.001	0.008	0.011	0.000	0.02060
594915.56	4129487.95	0.001	0.009	0.012	0.000	0.02255
594781	4129485.68	0.001	0.012	0.016	0.000	0.02989
595137.88	4129477.6	0.001	0.007	0.010	0.000	0.01780
595120.48	4129450.25	0.001	0.008	0.010	0.000	0.01889
595175.68	4129446.72	0.001	0.008	0.010	0.000	0.01946
595301.08	4129559.26	0.001	0.007	0.008	0.000	0.01576
594831.76	4129486.38	0.001	0.011	0.015	0.000	0.02791
595044.38	4129341.64	0.001	0.010	0.013	0.000	0.02477
594816.63	4129485.43	0.001	0.012	0.016	0.000	0.02869
595158.18	4129478.49	0.001	0.007	0.010	0.000	0.01790
595211.37	4129485.99	0.001	0.008	0.010	0.000	0.01802
595225.3	4129500.11	0.001	0.007	0.009	0.000	0.01755
595152.74	4129448.92	0.001	0.008	0.010	0.000	0.01917
595341.13	4129562.02	0.001	0.007	0.008	0.000	0.01592
595077.18	4129350.52	0.001	0.010	0.013	0.000	0.02407
595174.06	4129476.72	0.001	0.008	0.010	0.000	0.01810
595193.28	4129481.58	0.001	0.008	0.010	0.000	0.01805
595367.41	4129555.23	0.001	0.007	0.009	0.000	0.01659
595420.58	4129543.73	0.001	0.008	0.010	0.000	0.01873
595315.46	4129536.06	0.001	0.007	0.009	0.000	0.01693
595477.45	4129540.62	0.001	0.010	0.012	0.000	0.02221
595396.15	4129564.98	0.001	0.007	0.009	0.000	0.01657
595353.82	4129526.46	0.001	0.008	0.009	0.000	0.01794
595394.78	4129535.18	0.001	0.008	0.010	0.000	0.01842
595330.8	4129498.57	0.001	0.008	0.010	0.000	0.01914

595475.42	4129559.86	0.001	0.008	0.010	0.000	0.01949
595419.83	4129565.95	0.001	0.007	0.009	0.000	0.01706
595392.86	4129507.11	0.001	0.009	0.011	0.000	0.02039
595417.79	4129513.03	0.001	0.009	0.011	0.000	0.02125
595360.09	4129499.09	0.001	0.008	0.010	0.000	0.01979
594801.31	4129435.64	0.001	0.013	0.018	0.000	0.03276
594867.73	4129437.09	0.001	0.012	0.016	0.000	0.02846
594899.24	4129405.96	0.001	0.011	0.015	0.000	0.02777
594899.24	4129433.32	0.001	0.011	0.014	0.000	0.02625
594965.89	4129410.32	0.001	0.009	0.013	0.000	0.02302
594965.89	4129437.68	0.001	0.009	0.012	0.000	0.02174
594949.1	4129408.18	0.001	0.010	0.013	0.000	0.02405
594949.1	4129435.54	0.001	0.009	0.012	0.000	0.02273
594123.36	4128193.08	0.001	0.008	0.010	0.000	0.01928
594125.98	4128217.36	0.001	0.008	0.010	0.000	0.01852
594125.98	4128234.55	0.001	0.008	0.010	0.000	0.01827
594154.37	4128235.67	0.001	0.008	0.010	0.000	0.01890
594155.86	4128216.99	0.001	0.008	0.010	0.000	0.01929
594156.23	4128199.06	0.001	0.009	0.010	0.000	0.02000
594084.14	4128215.87	0.001	0.007	0.009	0.000	0.01735
594077.04	4128225.58	0.001	0.007	0.009	0.000	0.01707
594080.03	4128244.63	0.001	0.007	0.009	0.000	0.01714
594204.79	4128164.7	0.001	0.011	0.013	0.000	0.02457
594204.79	4128184.49	0.001	0.010	0.012	0.000	0.02227
594240.28	4128166.19	0.001	0.011	0.013	0.000	0.02522
594240.28	4128184.87	0.001	0.010	0.012	0.000	0.02300
594238.04	4128199.81	0.001	0.009	0.011	0.000	0.02182
594204.79	4128205.04	0.001	0.009	0.011	0.000	0.02086
594201.81	4128219.98	0.001	0.009	0.011	0.000	0.02019
594203.3	4128236.42	0.001	0.008	0.011	0.000	0.01986
594238.04	4128218.49	0.001	0.009	0.011	0.000	0.02093
594241.78	4128235.3	0.001	0.009	0.011	0.000	0.02057
594292.2	4128166.94	0.001	0.011	0.013	0.000	0.02600
594291.05	4128204.51	0.001	0.010	0.012	0.000	0.02235
594290.37	4128187.64	0.001	0.010	0.012	0.000	0.02354
594292.54	4128238.87	0.001	0.009	0.011	0.000	0.02130
594291.87	4128222	0.001	0.009	0.011	0.000	0.02163
594325.04	4128258.3	0.001	0.009	0.012	0.000	0.02174
594324.36	4128241.43	0.001	0.009	0.011	0.000	0.02169
594325.41	4128220.2	0.001	0.009	0.012	0.000	0.02207
594324.74	4128203.33	0.001	0.010	0.012	0.000	0.02278
594323.17	4128186.2	0.001	0.010	0.012	0.000	0.02401
594322.5	4128169.33	0.001	0.011	0.013	0.000	0.02596
594369.12	4128259.42	0.001	0.009	0.012	0.000	0.02240



594368.44	4128242.55	0.001	0.009	0.012	0.000	0.02221
594369.87	4128221.69	0.001	0.010	0.012	0.000	0.02240
594369.19	4128204.82	0.001	0.010	0.012	0.000	0.02299
594400.12	4128260.17	0.001	0.010	0.012	0.000	0.02284
594399.45	4128243.3	0.001	0.010	0.012	0.000	0.02254
594401.24	4128223.93	0.001	0.010	0.012	0.000	0.02257
594400.57	4128207.06	0.001	0.010	0.012	0.000	0.02300
594371.02	4128185.99	0.001	0.010	0.013	0.000	0.02425
594446.85	4128235.67	0.001	0.010	0.012	0.000	0.02280
594448.34	4128259.58	0.001	0.010	0.012	0.000	0.02327
594465.15	4128255.84	0.001	0.010	0.012	0.000	0.02332
594239.44	4128279.33	0.001	0.009	0.011	0.000	0.02065
594237.57	4128294.65	0.001	0.009	0.011	0.000	0.02098
594237.94	4128312.58	0.001	0.009	0.012	0.000	0.02159
594237.19	4128327.52	0.001	0.009	0.012	0.000	0.02220
594202.73	4128279.8	0.001	0.008	0.011	0.000	0.01999
594200.87	4128295.12	0.001	0.008	0.011	0.000	0.02029
594201.24	4128313.05	0.001	0.009	0.011	0.000	0.02084
594203.99	4128327.12	0.001	0.009	0.012	0.000	0.02142
594156.41	4128278.68	0.001	0.008	0.010	0.000	0.01909
594154.54	4128294	0.001	0.008	0.010	0.000	0.01935
594154.92	4128311.93	0.001	0.008	0.011	0.000	0.01982
594154.17	4128326.87	0.001	0.008	0.011	0.000	0.02028
594116.44	4128279.8	0.001	0.008	0.010	0.000	0.01828
594114.57	4128295.12	0.001	0.008	0.010	0.000	0.01853
594114.95	4128313.05	0.001	0.008	0.010	0.000	0.01897
594114.2	4128327.99	0.001	0.008	0.010	0.000	0.01939
594283.66	4128296.51	0.001	0.009	0.012	0.000	0.02193
594283.68	4128309.94	0.001	0.009	0.012	0.000	0.02245
594282.98	4128324.63	0.001	0.010	0.012	0.000	0.02314
594282.23	4128339.57	0.001	0.010	0.013	0.000	0.02397
594326.57	4128303.53	0.001	0.010	0.012	0.000	0.02309
594283.41	4128281.6	0.001	0.009	0.011	0.000	0.02149
594326.97	4128334.89	0.001	0.010	0.013	0.000	0.02489
594313.27	4128335.25	0.001	0.010	0.013	0.000	0.02454
594357.93	4128334.55	0.001	0.011	0.014	0.000	0.02571
594344.23	4128334.92	0.001	0.010	0.014	0.000	0.02536
594325.72	4128356.04	0.001	0.011	0.014	0.000	0.02642
594312.02	4128356.41	0.001	0.011	0.014	0.000	0.02601
594356.68	4128355.7	0.001	0.011	0.015	0.000	0.02739
594342.98	4128356.07	0.001	0.011	0.015	0.000	0.02698
594385.1	4128356.31	0.001	0.012	0.015	0.000	0.02839
594371.39	4128356.68	0.001	0.012	0.015	0.000	0.02796
594416.06	4128355.97	0.001	0.012	0.016	0.000	0.02945

594402.36	4128356.34	0.001	0.012	0.016	0.000	0.02900
594385.37	4128334.99	0.001	0.011	0.014	0.000	0.02648
594371.66	4128335.36	0.001	0.011	0.014	0.000	0.02614
594416.33	4128334.65	0.001	0.011	0.015	0.000	0.02733
594402.63	4128335.02	0.001	0.011	0.015	0.000	0.02697
594430.03	4128355.38	0.001	0.012	0.016	0.000	0.02988
594430.3	4128334.06	0.001	0.011	0.015	0.000	0.02766
594339.75	4128303.14	0.001	0.010	0.013	0.000	0.02336
594352.16	4128303.71	0.001	0.010	0.013	0.000	0.02365
594312.76	4128303.7	0.001	0.009	0.012	0.000	0.02280
594380.47	4128302.9	0.001	0.010	0.013	0.000	0.02421
594393.65	4128302.51	0.001	0.010	0.013	0.000	0.02445
594412.26	4128302.54	0.001	0.010	0.013	0.000	0.02482
594366.66	4128303.06	0.001	0.010	0.013	0.000	0.02393
594427.77	4128304.53	0.001	0.011	0.014	0.000	0.02523
594441.74	4128303.94	0.001	0.011	0.014	0.000	0.02546
594455.26	4128305.32	0.001	0.011	0.014	0.000	0.02583
594473.08	4128305.05	0.001	0.011	0.014	0.000	0.02619
594074.7	4128261.48	0.001	0.007	0.009	0.000	0.01714
594070.34	4128276.85	0.001	0.007	0.009	0.000	0.01725
594070.34	4128295.44	0.001	0.007	0.009	0.000	0.01759
594028.36	4128311.96	0.001	0.007	0.009	0.000	0.01702
594051.3	4128317.92	0.001	0.007	0.010	0.000	0.01767
594068.96	4128323.43	0.001	0.008	0.010	0.000	0.01820
594715.3	4128299.81	0.006	0.067	0.079	0.002	0.15287
594727.32	4128298.74	0.005	0.057	0.069	0.002	0.13280
594740.08	4128298.51	0.004	0.053	0.066	0.002	0.12500
594753.54	4128298.74	0.004	0.052	0.066	0.002	0.12461
594739.71	4128353.69	0.006	0.073	0.093	0.002	0.17442
594752.48	4128353.46	0.006	0.075	0.097	0.002	0.18051
594765.93	4128353.69	0.006	0.078	0.104	0.003	0.19131
594773.9	4128358.74	0.007	0.083	0.111	0.003	0.20448
594786.67	4128358.51	0.007	0.090	0.121	0.003	0.22122
594800.12	4128358.74	0.008	0.096	0.131	0.003	0.23820
594812.29	4128360.84	0.009	0.104	0.142	0.003	0.25774
594825.75	4128361.07	0.009	0.110	0.150	0.004	0.27353
594845.57	4128365.89	0.010	0.124	0.169	0.004	0.30715
594859.02	4128366.12	0.011	0.129	0.177	0.004	0.32061
594803.25	4128299.49	0.005	0.061	0.081	0.002	0.14958
594801.87	4128326.74	0.006	0.074	0.100	0.002	0.18280
594801.87	4128339.3	0.007	0.082	0.111	0.003	0.20268
594803.02	4128311.25	0.005	0.066	0.089	0.002	0.16288
594790.8	4128341.22	0.007	0.079	0.106	0.003	0.19510
594823.23	4128330.04	0.007	0.083	0.113	0.003	0.20621

594823.23	4128342.6	0.008	0.093	0.126	0.003	0.22947
594824.38	4128314.55	0.006	0.074	0.100	0.002	0.18283
594860.1	4128325.99	0.008	0.092	0.126	0.003	0.22927
594859.41	4128341.54	0.009	0.104	0.143	0.004	0.25967
594847.25	4128321.72	0.007	0.085	0.116	0.003	0.21172
594880.14	4128351.38	0.010	0.120	0.166	0.004	0.30001
594880.14	4128363.94	0.011	0.134	0.184	0.005	0.33321
594881.28	4128335.89	0.009	0.107	0.146	0.004	0.26549
594881.09	4128322.58	0.008	0.096	0.132	0.003	0.23907
594882.24	4128307.09	0.007	0.086	0.118	0.003	0.21358
594853.17	4128299.79	0.006	0.074	0.101	0.002	0.18350
594841.78	4128299.58	0.006	0.071	0.096	0.002	0.17542
594864.69	4128299.69	0.006	0.077	0.105	0.003	0.19107
594914.48	4128370.74	0.012	0.150	0.207	0.005	0.37509
594914.48	4128383.3	0.014	0.166	0.229	0.006	0.41470
594914.02	4128355.68	0.011	0.134	0.184	0.005	0.33306
594914.94	4128341.45	0.010	0.120	0.165	0.004	0.29904
594915.4	4128328.83	0.009	0.109	0.150	0.004	0.27228
594910.81	4128299.69	0.007	0.088	0.120	0.003	0.21835
594924.35	4128299.46	0.007	0.090	0.124	0.003	0.22440
594938.8	4128299.69	0.008	0.093	0.127	0.003	0.23076
594950.97	4128303.13	0.008	0.097	0.133	0.003	0.24055
594742.21	4128451.06	0.017	0.201	0.272	0.007	0.49584
594756.79	4128451.81	0.019	0.227	0.310	0.008	0.56395
594772.85	4128452.93	0.021	0.255	0.349	0.009	0.63367
594792.28	4128453.67	0.023	0.279	0.385	0.009	0.69675
594806.11	4128453.67	0.024	0.291	0.401	0.010	0.72539
594821.43	4128454.05	0.025	0.300	0.415	0.010	0.75024
594842.36	4128455.92	0.026	0.313	0.433	0.011	0.78260
594855.81	4128461.15	0.028	0.333	0.460	0.011	0.83209
594871.87	4128467.5	0.029	0.351	0.486	0.012	0.87810
594804.99	4128494.4	0.043	0.519	0.717	0.018	1.29636
594814.7	4128487.3	0.038	0.465	0.643	0.016	1.16235
594826.29	4128476.84	0.033	0.403	0.557	0.014	1.00740
594829.65	4128505.61	0.047	0.572	0.792	0.019	1.43029
594841.23	4128496.65	0.042	0.501	0.694	0.017	1.25441
594854.69	4128486.18	0.036	0.436	0.604	0.015	1.09071
594890.82	4128577.25	0.069	0.830	1.151	0.028	2.07808
594902.32	4128588.75	0.069	0.831	1.152	0.028	2.07953
594913.18	4128600.89	0.068	0.827	1.146	0.028	2.06910
594902.06	4128562.56	0.058	0.702	0.973	0.024	1.75740
594913.57	4128574.06	0.059	0.707	0.979	0.024	1.76845
594924.43	4128586.2	0.059	0.707	0.980	0.024	1.76905
594943.24	4128641.96	0.063	0.766	1.061	0.026	1.91704

594916.1	4128666.97	0.090	1.091	1.511	0.037	2.72959
594927.17	4128654.17	0.077	0.928	1.285	0.032	2.32105
594957.7	4128630.49	0.054	0.656	0.908	0.022	1.64032
594964.69	4128642.88	0.052	0.631	0.873	0.021	1.57769
594977.71	4128652.73	0.047	0.562	0.779	0.019	1.40664
594970.41	4128622.55	0.048	0.581	0.804	0.020	1.45240
594981.84	4128615.88	0.043	0.524	0.726	0.018	1.31163
594988.83	4128606.35	0.040	0.489	0.677	0.017	1.22311
594988.51	4128641.61	0.042	0.510	0.706	0.017	1.27507
595001.53	4128630.49	0.038	0.456	0.632	0.015	1.14091
594813.87	4128831.08	0.025	0.301	0.416	0.010	0.75238
594828.18	4128830.83	0.023	0.273	0.378	0.009	0.68270
594852.69	4128831.18	0.019	0.223	0.308	0.008	0.55740
594610.06	4128785.72	0.034	0.415	0.576	0.014	1.03899
594592.81	4128786.36	0.029	0.350	0.485	0.012	0.87652
594611.14	4128819.74	0.031	0.372	0.516	0.013	0.93140
594589.57	4128819.84	0.026	0.313	0.435	0.011	0.78463
594588.48	4128835.99	0.024	0.290	0.402	0.010	0.72616
594612.24	4128836.53	0.028	0.339	0.470	0.012	0.84851
594574.44	4128791.98	0.024	0.295	0.409	0.010	0.73913
594577.14	4128779.29	0.025	0.305	0.422	0.010	0.76268
594550.94	4128790.9	0.020	0.244	0.338	0.008	0.60968
594557.96	4128779.56	0.021	0.258	0.358	0.009	0.64578
594537.98	4128785.23	0.018	0.220	0.305	0.007	0.55061
594527.72	4128780.37	0.017	0.203	0.281	0.007	0.50749
594571.47	4128835.72	0.021	0.259	0.360	0.009	0.64936
594554.99	4128827.89	0.020	0.238	0.330	0.008	0.59610
594540.68	4128821.41	0.018	0.219	0.304	0.007	0.54825
594521.24	4128816.28	0.016	0.193	0.268	0.007	0.48368
594500.45	4128816.01	0.014	0.169	0.234	0.006	0.42195
594482.9	4128816.01	0.012	0.151	0.209	0.005	0.37757
594512.33	4128784.69	0.015	0.182	0.251	0.006	0.45429
594518.81	4128769.84	0.016	0.187	0.260	0.006	0.46887
594490.46	4128781.18	0.013	0.155	0.215	0.005	0.38781
594463.46	4128816.55	0.011	0.134	0.186	0.005	0.33532
594474.8	4128788.2	0.012	0.141	0.195	0.005	0.35216
594569.94	4128717.94	0.021	0.259	0.358	0.009	0.64739
594576.93	4128700.78	0.022	0.261	0.362	0.009	0.65360
594562.95	4128701.42	0.019	0.228	0.316	0.008	0.57086
594567.4	4128690.62	0.019	0.228	0.315	0.008	0.56991
594569.3	4128677.59	0.018	0.219	0.302	0.007	0.54640
594651.12	4128634.24	0.042	0.507	0.698	0.017	1.26449
594638.83	4128633.85	0.034	0.409	0.564	0.014	1.02036
594618.73	4128637.95	0.026	0.311	0.429	0.011	0.77543

594599.61	4128635.02	0.020	0.238	0.328	0.008	0.59323
594577.18	4128634.44	0.015	0.183	0.253	0.006	0.45722
594557.86	4128635.02	0.013	0.151	0.208	0.005	0.37683
594542.45	4128643.61	0.011	0.139	0.191	0.005	0.34606
594541.86	4128632.1	0.011	0.127	0.176	0.004	0.31779
594531.43	4128643.7	0.010	0.126	0.174	0.004	0.31423
594530.84	4128632.19	0.010	0.116	0.159	0.004	0.28872
594540.11	4128655.31	0.012	0.146	0.202	0.005	0.36533
594518.69	4128738.15	0.015	0.175	0.243	0.006	0.43862
594499.87	4128737.46	0.013	0.151	0.209	0.005	0.37846
594472.79	4128739.52	0.010	0.125	0.173	0.004	0.31297
594513.64	4128720.93	0.013	0.160	0.221	0.005	0.39934
594512.27	4128702.11	0.012	0.147	0.203	0.005	0.36734
594510.66	4128692.01	0.011	0.139	0.192	0.005	0.34676
594477.61	4128716.57	0.010	0.120	0.166	0.004	0.29942
594478.52	4128700.28	0.009	0.113	0.156	0.004	0.28198
594478.75	4128690.18	0.009	0.108	0.149	0.004	0.26980
594477.26	4128678.47	0.008	0.101	0.139	0.003	0.25203
594477.49	4128668.37	0.008	0.096	0.132	0.003	0.23923
594512.95	4128634.86	0.008	0.102	0.140	0.003	0.25402
594493.21	4128634.4	0.007	0.087	0.120	0.003	0.21788
594479.9	4128636.24	0.007	0.080	0.111	0.003	0.20048
594520.41	4128546.93	0.004	0.052	0.071	0.002	0.12905
594506.37	4128547.06	0.004	0.048	0.066	0.002	0.11931
594490.43	4128547.26	0.004	0.044	0.060	0.001	0.10982
594543.41	4128516.78	0.004	0.045	0.060	0.001	0.11006
594528.11	4128515.67	0.003	0.041	0.055	0.001	0.10113
594514.07	4128515.8	0.003	0.038	0.052	0.001	0.09495
594498.14	4128516.01	0.003	0.036	0.049	0.001	0.08874
594521.34	4128494.93	0.003	0.033	0.045	0.001	0.08211
594492.14	4128494.79	0.002	0.030	0.040	0.001	0.07373
594507.26	4128495.18	0.003	0.032	0.043	0.001	0.07811
594596.96	4128603.83	0.015	0.178	0.246	0.006	0.44479
594597.02	4128588.09	0.013	0.153	0.210	0.005	0.38007
594576.88	4128589.98	0.010	0.125	0.171	0.004	0.31021
594553.64	4128588.55	0.008	0.099	0.135	0.003	0.24555
594538.01	4128588.04	0.007	0.086	0.118	0.003	0.21430
594516.04	4128591.11	0.006	0.074	0.102	0.003	0.18545
594513.59	4128574.71	0.005	0.064	0.087	0.002	0.15837
594493.57	4128590.27	0.005	0.063	0.087	0.002	0.15777
594760.51	4128824.14	0.039	0.475	0.658	0.016	1.18877
594520.63	4128867.68	0.014	0.173	0.240	0.006	0.43380
594503.08	4128867.68	0.013	0.159	0.220	0.005	0.39690
594483.64	4128868.22	0.012	0.144	0.199	0.005	0.35940

594520.63	4128893.02	0.013	0.158	0.219	0.005	0.39607
594503.08	4128893.02	0.012	0.147	0.204	0.005	0.36780
594483.64	4128893.56	0.011	0.135	0.187	0.005	0.33779
594463.73	4128893.02	0.010	0.124	0.172	0.004	0.31026
594468.42	4128866.12	0.011	0.134	0.185	0.005	0.33423
594565.38	4128882.18	0.017	0.201	0.278	0.007	0.50254
594561.5	4128916.3	0.013	0.162	0.225	0.006	0.40593
594552.23	4128934.41	0.012	0.142	0.197	0.005	0.35598
594566.42	4128896.15	0.015	0.186	0.258	0.006	0.46538
594528.39	4128942.69	0.011	0.129	0.178	0.004	0.32178
594510.84	4128942.69	0.010	0.123	0.170	0.004	0.30784
594491.4	4128943.23	0.010	0.116	0.161	0.004	0.29103
594471.41	4128940.8	0.009	0.111	0.153	0.004	0.27670
594605.25	4128901.88	0.017	0.199	0.276	0.007	0.49901
594621.14	4128901.88	0.017	0.205	0.284	0.007	0.51318
594635.12	4128902.2	0.017	0.208	0.288	0.007	0.51968
594640.52	4128886.63	0.020	0.243	0.337	0.008	0.60764
594606.52	4128881.86	0.019	0.235	0.325	0.008	0.58709
594625.27	4128881.86	0.020	0.247	0.343	0.008	0.61859
594603.03	4128926.98	0.014	0.163	0.226	0.006	0.40824
594619.87	4128927.61	0.014	0.164	0.228	0.006	0.41148
594638.29	4128927.3	0.014	0.165	0.229	0.006	0.41346
594852.47	4128984.02	0.005	0.056	0.077	0.002	0.13973
594849.93	4128999.27	0.004	0.052	0.071	0.002	0.12924
594870.26	4128985.29	0.004	0.052	0.071	0.002	0.12852
594876.3	4129002.45	0.004	0.046	0.063	0.002	0.11394
594893.77	4129021.83	0.003	0.039	0.053	0.001	0.09641
594894.41	4129003.08	0.004	0.043	0.058	0.001	0.10577
595091.6	4128755.33	0.008	0.102	0.139	0.003	0.25223
595109.41	4128755.33	0.008	0.091	0.124	0.003	0.22502
595093.43	4128736.06	0.010	0.120	0.164	0.004	0.29791
595111.25	4128736.06	0.009	0.106	0.145	0.004	0.26324
595029.54	4128756.5	0.013	0.160	0.219	0.005	0.39718
595046.67	4128741.76	0.014	0.163	0.224	0.005	0.40616
594992.37	4128751	0.021	0.248	0.339	0.008	0.61618
595004.01	4128740.39	0.021	0.251	0.345	0.008	0.62507
595130.48	4128770.73	0.006	0.071	0.096	0.002	0.17490
595129.26	4128740.39	0.008	0.091	0.124	0.003	0.22597
595153.5	4128684.24	0.010	0.117	0.161	0.004	0.29070
595153.04	4128700.7	0.009	0.105	0.145	0.004	0.26215
595176.21	4128770.73	0.005	0.056	0.076	0.002	0.13890
595177.13	4128794.07	0.004	0.048	0.065	0.002	0.11836
595158.31	4128805.34	0.004	0.049	0.065	0.002	0.11963
595152.35	4128779.19	0.005	0.059	0.080	0.002	0.14665

595180.8	4128815.43	0.003	0.042	0.056	0.001	0.10278
595204.2	4128820.02	0.003	0.037	0.050	0.001	0.09166
595140.88	4128720.46	0.008	0.099	0.136	0.003	0.24589
595166.57	4128720.46	0.007	0.084	0.116	0.003	0.21005
595172.54	4128700.27	0.008	0.093	0.128	0.003	0.23277
595195.48	4128710.82	0.006	0.076	0.105	0.003	0.19011
595189.05	4128689.72	0.007	0.090	0.124	0.003	0.22539
595204.65	4128688.34	0.007	0.083	0.115	0.003	0.20759
595195.94	4128735.6	0.005	0.065	0.088	0.002	0.16069
595175.75	4128744.32	0.006	0.068	0.092	0.002	0.16803
595202.36	4128779.64	0.004	0.047	0.064	0.002	0.11638
595203.74	4128760.37	0.004	0.053	0.072	0.002	0.13101
595216.58	4128741.56	0.005	0.056	0.077	0.002	0.13944
595217.96	4128723.67	0.005	0.063	0.086	0.002	0.15531
595219.34	4128702.56	0.006	0.071	0.097	0.002	0.17582
594850.37	4127951.3	0.001	0.015	0.018	0.000	0.03463
594852.13	4127935.04	0.001	0.014	0.017	0.000	0.03242
594898.07	4127967.2	0.001	0.017	0.021	0.001	0.03996
594931.28	4127981.33	0.002	0.018	0.024	0.001	0.04482
594934.82	4127965.79	0.001	0.018	0.023	0.001	0.04252
594899.13	4127944.23	0.001	0.015	0.020	0.000	0.03659
594898.78	4127930.8	0.001	0.014	0.019	0.000	0.03467
594934.46	4127945.65	0.001	0.016	0.021	0.001	0.03936
594928.81	4127927.62	0.001	0.015	0.020	0.000	0.03636
595340	4129093.59	0.002	0.021	0.025	0.001	0.04772
595349.49	4129109.17	0.002	0.021	0.025	0.001	0.04767
595373.19	4129128.81	0.002	0.019	0.023	0.001	0.04486
595405.7	4129155.9	0.001	0.018	0.021	0.001	0.04141
594828.06	4129208.24	0.002	0.023	0.032	0.001	0.05742
594853.46	4129207.91	0.002	0.021	0.029	0.001	0.05312
594825.42	4129228.03	0.002	0.022	0.030	0.001	0.05431
594850.82	4129227.7	0.002	0.020	0.028	0.001	0.05038
594827.4	4129248.81	0.002	0.020	0.028	0.001	0.05068
594852.8	4129248.48	0.002	0.019	0.026	0.001	0.04707
594896.99	4129195.71	0.002	0.019	0.026	0.001	0.04796
594922.38	4129195.38	0.001	0.018	0.024	0.001	0.04459
594891.71	4129220.12	0.002	0.018	0.025	0.001	0.04522
594917.11	4129219.79	0.001	0.017	0.023	0.001	0.04195
594891.71	4129241.88	0.001	0.017	0.023	0.001	0.04241
594917.11	4129241.55	0.001	0.016	0.022	0.001	0.03936
594893.69	4129262.33	0.001	0.016	0.022	0.001	0.03981
594919.09	4129262	0.001	0.015	0.020	0.000	0.03695
594893.36	4129285.74	0.001	0.015	0.020	0.001	0.03743
594918.76	4129285.41	0.001	0.014	0.019	0.000	0.03474

594825.75	4129273.54	0.002	0.019	0.026	0.001	0.04734
594851.15	4129273.21	0.001	0.018	0.024	0.001	0.04411
594828.06	4129297.28	0.001	0.018	0.024	0.001	0.04402
594853.46	4129296.95	0.001	0.017	0.023	0.001	0.04109
595429.03	4129137.08	0.001	0.015	0.019	0.000	0.03571
595398.56	4129118.5	0.001	0.017	0.020	0.000	0.03886
595323.48	4128976.53	0.002	0.019	0.024	0.001	0.04454
595337.6	4128998.08	0.001	0.018	0.023	0.001	0.04257
595353.21	4129028.56	0.001	0.017	0.022	0.001	0.04089
594282.32	4128355.01	0.001	0.010	0.014	0.000	0.02498
594281.57	4128369.95	0.001	0.011	0.014	0.000	0.02606
594237.72	4128344.51	0.001	0.010	0.012	0.000	0.02307
594236.97	4128359.46	0.001	0.010	0.013	0.000	0.02391
594240.34	4128380.37	0.001	0.010	0.014	0.000	0.02539
594239.59	4128395.32	0.001	0.011	0.014	0.000	0.02648
594227.72	4128414.08	0.001	0.011	0.015	0.000	0.02746
595154.49	4128556.43	0.014	0.173	0.239	0.006	0.43198
595544.9	4129513.26	0.002	0.023	0.026	0.001	0.05077
595560.09	4129522.66	0.002	0.024	0.027	0.001	0.05293
595546.35	4129534.23	0.001	0.016	0.018	0.000	0.03525
595565.51	4129536.76	0.001	0.018	0.020	0.000	0.04008
595570.93	4129559.54	0.001	0.011	0.013	0.000	0.02475
595545.62	4129557.37	0.001	0.011	0.013	0.000	0.02437



# 1410 South Bascom Avenue Project

## Tier IV Interim Mitigated Construction

### Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

Cancer Potency Factor: 1.1 (mg/kg-day)<sup>-1</sup>  
Exposure Frequency 350 days/year  
Averaging Period 25550 days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor (ug/m3) <sup>-1</sup>
1	1	3	572	0.72	0.59	11.0
2	1	3	572	0.72	1	18.6
3	1	3	572	0.72	0.87	16.2

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM - Child Receptors**

X (m)	Y (m)	Child Cancer	Child Cancer	Child Cancer	Total Cancer Risk (/million)	Maximum Cancer Risk
		Risk (year 1) 2020 (/million)	Risk (year 2) 2021 (/million)	Risk (year 3) 2022 (/million)		
593913.11	4129158.33	0.002	0.003	0.003	0.00790	0.6
593960.92	4129158.33	0.002	0.004	0.003	0.00864	<b>BAAQMD threshold of significance</b>
594008.73	4129158.33	0.002	0.004	0.003	0.00944	10
594056.54	4129158.33	0.002	0.004	0.004	0.01032	<b>Exceed thresholds?</b>
594104.35	4129158.33	0.002	0.005	0.004	0.01125	No
594152.16	4129158.33	0.003	0.005	0.005	0.01223	
594199.97	4129158.33	0.003	0.006	0.005	0.01323	
594247.78	4129158.33	0.003	0.006	0.005	0.01419	
594295.59	4129158.33	0.003	0.006	0.006	0.01506	
594343.4	4129158.33	0.003	0.007	0.006	0.01577	
594391.21	4129158.33	0.003	0.007	0.006	0.01625	
594439.02	4129158.33	0.003	0.007	0.006	0.01646	
594486.83	4129158.33	0.003	0.007	0.006	0.01637	
594534.64	4129158.33	0.003	0.007	0.006	0.01599	
594582.45	4129158.33	0.003	0.006	0.006	0.01529	
594630.26	4129158.33	0.003	0.006	0.005	0.01439	
593913.11	4129192.59	0.002	0.003	0.003	0.00777	
593960.92	4129192.59	0.002	0.004	0.003	0.00844	
594008.73	4129192.59	0.002	0.004	0.003	0.00916	
594056.54	4129192.59	0.002	0.004	0.004	0.00993	
594104.35	4129192.59	0.002	0.005	0.004	0.01074	
594152.16	4129192.59	0.002	0.005	0.004	0.01155	
594199.97	4129192.59	0.003	0.005	0.005	0.01234	
594247.78	4129192.59	0.003	0.006	0.005	0.01307	
594295.59	4129192.59	0.003	0.006	0.005	0.01368	
594343.4	4129192.59	0.003	0.006	0.005	0.01413	
594391.21	4129192.59	0.003	0.006	0.005	0.01437	
594439.02	4129192.59	0.003	0.006	0.005	0.01439	
594486.83	4129192.59	0.003	0.006	0.005	0.01419	
594534.64	4129192.59	0.003	0.006	0.005	0.01377	
594582.45	4129192.59	0.003	0.006	0.005	0.01314	
594630.26	4129192.59	0.003	0.005	0.005	0.01238	
593913.11	4129226.85	0.002	0.003	0.003	0.00760	
593960.92	4129226.85	0.002	0.003	0.003	0.00820	

594008.73	4129226.85	0.002	0.004	0.003	0.00884
594056.54	4129226.85	0.002	0.004	0.003	0.00951
594104.35	4129226.85	0.002	0.004	0.004	0.01018
594152.16	4129226.85	0.002	0.005	0.004	0.01085
594199.97	4129226.85	0.002	0.005	0.004	0.01146
594247.78	4129226.85	0.002	0.005	0.004	0.01199
594295.59	4129226.85	0.003	0.005	0.005	0.01240
594343.4	4129226.85	0.003	0.005	0.005	0.01264
594391.21	4129226.85	0.003	0.005	0.005	0.01272
594439.02	4129226.85	0.003	0.005	0.005	0.01263
594486.83	4129226.85	0.003	0.005	0.005	0.01239
594534.64	4129226.85	0.002	0.005	0.004	0.01198
594582.45	4129226.85	0.002	0.005	0.004	0.01142
594630.26	4129226.85	0.002	0.005	0.004	0.01077
593913.11	4129261.11	0.002	0.003	0.003	0.00739
593960.92	4129261.11	0.002	0.003	0.003	0.00793
594008.73	4129261.11	0.002	0.004	0.003	0.00849
594056.54	4129261.11	0.002	0.004	0.003	0.00906
594104.35	4129261.11	0.002	0.004	0.004	0.00962
594152.16	4129261.11	0.002	0.004	0.004	0.01014
594199.97	4129261.11	0.002	0.004	0.004	0.01060
594247.78	4129261.11	0.002	0.005	0.004	0.01097
594295.59	4129261.11	0.002	0.005	0.004	0.01121
594343.4	4129261.11	0.002	0.005	0.004	0.01132
594391.21	4129261.11	0.002	0.005	0.004	0.01130
594439.02	4129261.11	0.002	0.005	0.004	0.01116
594486.83	4129261.11	0.002	0.005	0.004	0.01090
594534.64	4129261.11	0.002	0.004	0.004	0.01052
594582.45	4129261.11	0.002	0.004	0.004	0.01002
594630.26	4129261.11	0.002	0.004	0.003	0.00946
593913.11	4129295.37	0.001	0.003	0.003	0.00716
593960.92	4129295.37	0.002	0.003	0.003	0.00763
594008.73	4129295.37	0.002	0.003	0.003	0.00812
594056.54	4129295.37	0.002	0.004	0.003	0.00859
594104.35	4129295.37	0.002	0.004	0.003	0.00904
594152.16	4129295.37	0.002	0.004	0.003	0.00945
594199.97	4129295.37	0.002	0.004	0.004	0.00978
594247.78	4129295.37	0.002	0.004	0.004	0.01002
594295.59	4129295.37	0.002	0.004	0.004	0.01014
594343.4	4129295.37	0.002	0.004	0.004	0.01016
594391.21	4129295.37	0.002	0.004	0.004	0.01008
594439.02	4129295.37	0.002	0.004	0.004	0.00991

594486.83	4129295.37	0.002	0.004	0.004	0.00966
594534.64	4129295.37	0.002	0.004	0.003	0.00931
594582.45	4129295.37	0.002	0.004	0.003	0.00886
594630.26	4129295.37	0.002	0.004	0.003	0.00838
593913.11	4129329.63	0.001	0.003	0.003	0.00691
593960.92	4129329.63	0.002	0.003	0.003	0.00732
594008.73	4129329.63	0.002	0.003	0.003	0.00773
594056.54	4129329.63	0.002	0.003	0.003	0.00812
594104.35	4129329.63	0.002	0.004	0.003	0.00848
594152.16	4129329.63	0.002	0.004	0.003	0.00878
594199.97	4129329.63	0.002	0.004	0.003	0.00900
594247.78	4129329.63	0.002	0.004	0.003	0.00914
594295.59	4129329.63	0.002	0.004	0.003	0.00918
594343.4	4129329.63	0.002	0.004	0.003	0.00914
594391.21	4129329.63	0.002	0.004	0.003	0.00903
594439.02	4129329.63	0.002	0.004	0.003	0.00886
594486.83	4129329.63	0.002	0.004	0.003	0.00862
594534.64	4129329.63	0.002	0.004	0.003	0.00830
594582.45	4129329.63	0.002	0.003	0.003	0.00790
594630.26	4129329.63	0.002	0.003	0.003	0.00748
593913.11	4129363.89	0.001	0.003	0.002	0.00665
593960.92	4129363.89	0.001	0.003	0.003	0.00700
594008.73	4129363.89	0.002	0.003	0.003	0.00734
594056.54	4129363.89	0.002	0.003	0.003	0.00765
594104.35	4129363.89	0.002	0.003	0.003	0.00793
594152.16	4129363.89	0.002	0.003	0.003	0.00814
594199.97	4129363.89	0.002	0.004	0.003	0.00828
594247.78	4129363.89	0.002	0.004	0.003	0.00834
594295.59	4129363.89	0.002	0.004	0.003	0.00832
594343.4	4129363.89	0.002	0.003	0.003	0.00825
594391.21	4129363.89	0.002	0.003	0.003	0.00813
594439.02	4129363.89	0.002	0.003	0.003	0.00796
594486.83	4129363.89	0.002	0.003	0.003	0.00774
594534.64	4129363.89	0.002	0.003	0.003	0.00745
594582.45	4129363.89	0.001	0.003	0.003	0.00708
594630.26	4129363.89	0.001	0.003	0.002	0.00672
593913.11	4129398.15	0.001	0.003	0.002	0.00638
593960.92	4129398.15	0.001	0.003	0.002	0.00667
594008.73	4129398.15	0.001	0.003	0.003	0.00695
594056.54	4129398.15	0.001	0.003	0.003	0.00720
594104.35	4129398.15	0.002	0.003	0.003	0.00739
594152.16	4129398.15	0.002	0.003	0.003	0.00753

594199.97	4129398.15	0.002	0.003	0.003	0.00761
594247.78	4129398.15	0.002	0.003	0.003	0.00762
594295.59	4129398.15	0.002	0.003	0.003	0.00757
594343.4	4129398.15	0.002	0.003	0.003	0.00748
594391.21	4129398.15	0.002	0.003	0.003	0.00735
594439.02	4129398.15	0.002	0.003	0.003	0.00720
594486.83	4129398.15	0.001	0.003	0.003	0.00699
594534.64	4129398.15	0.001	0.003	0.002	0.00672
594582.45	4129398.15	0.001	0.003	0.002	0.00639
594630.26	4129398.15	0.001	0.003	0.002	0.00608
593913.11	4129432.41	0.001	0.003	0.002	0.00610
593960.92	4129432.41	0.001	0.003	0.002	0.00634
594008.73	4129432.41	0.001	0.003	0.002	0.00657
594056.54	4129432.41	0.001	0.003	0.002	0.00675
594104.35	4129432.41	0.001	0.003	0.003	0.00688
594152.16	4129432.41	0.001	0.003	0.003	0.00697
594199.97	4129432.41	0.001	0.003	0.003	0.00699
594247.78	4129432.41	0.001	0.003	0.003	0.00696
594295.59	4129432.41	0.001	0.003	0.003	0.00690
594343.4	4129432.41	0.001	0.003	0.003	0.00680
594391.21	4129432.41	0.001	0.003	0.002	0.00668
594439.02	4129432.41	0.001	0.003	0.002	0.00654
594486.83	4129432.41	0.001	0.003	0.002	0.00635
594534.64	4129432.41	0.001	0.003	0.002	0.00610
594582.45	4129432.41	0.001	0.002	0.002	0.00580
594630.26	4129432.41	0.001	0.002	0.002	0.00552
593913.11	4129466.67	0.001	0.002	0.002	0.00582
593960.92	4129466.67	0.001	0.003	0.002	0.00602
594008.73	4129466.67	0.001	0.003	0.002	0.00619
594056.54	4129466.67	0.001	0.003	0.002	0.00632
594104.35	4129466.67	0.001	0.003	0.002	0.00640
594152.16	4129466.67	0.001	0.003	0.002	0.00644
594199.97	4129466.67	0.001	0.003	0.002	0.00643
594247.78	4129466.67	0.001	0.003	0.002	0.00638
594295.59	4129466.67	0.001	0.003	0.002	0.00631
594343.4	4129466.67	0.001	0.003	0.002	0.00621
594391.21	4129466.67	0.001	0.003	0.002	0.00610
594439.02	4129466.67	0.001	0.003	0.002	0.00597
594486.83	4129466.67	0.001	0.002	0.002	0.00579
594534.64	4129466.67	0.001	0.002	0.002	0.00555
594582.45	4129466.67	0.001	0.002	0.002	0.00529
594630.26	4129466.67	0.001	0.002	0.002	0.00505

594331.14	4128962.5	0.005	0.011	0.009	0.02531
594357.05	4128962.5	0.006	0.012	0.010	0.02750
594382.96	4128962.5	0.006	0.013	0.011	0.02985
594408.87	4128962.5	0.007	0.014	0.012	0.03233
594434.78	4128962.5	0.007	0.015	0.013	0.03491
594460.69	4128962.5	0.008	0.016	0.014	0.03753
594486.6	4128962.5	0.008	0.017	0.015	0.04012
594331.14	4129004.55	0.005	0.010	0.009	0.02353
594357.05	4129004.55	0.005	0.011	0.009	0.02519
594382.96	4129004.55	0.006	0.011	0.010	0.02688
594408.87	4129004.55	0.006	0.012	0.011	0.02858
594434.78	4129004.55	0.006	0.013	0.011	0.03025
594460.69	4129004.55	0.007	0.013	0.012	0.03181
594486.6	4129004.55	0.007	0.014	0.012	0.03320
594331.14	4129046.6	0.004	0.009	0.008	0.02140
594357.05	4129046.6	0.005	0.010	0.008	0.02257
594382.96	4129046.6	0.005	0.010	0.009	0.02372
594408.87	4129046.6	0.005	0.011	0.009	0.02479
594434.78	4129046.6	0.005	0.011	0.009	0.02577
594460.69	4129046.6	0.006	0.011	0.010	0.02660
594486.6	4129046.6	0.006	0.012	0.010	0.02725
594331.14	4129088.65	0.004	0.008	0.007	0.01916
594357.05	4129088.65	0.004	0.008	0.007	0.01994
594382.96	4129088.65	0.004	0.009	0.008	0.02065
594408.87	4129088.65	0.004	0.009	0.008	0.02127
594434.78	4129088.65	0.005	0.009	0.008	0.02178
594460.69	4129088.65	0.005	0.009	0.008	0.02215
594486.6	4129088.65	0.005	0.009	0.008	0.02237
594331.14	4129130.7	0.004	0.007	0.006	0.01697
594357.05	4129130.7	0.004	0.007	0.006	0.01745
594382.96	4129130.7	0.004	0.008	0.007	0.01785
594408.87	4129130.7	0.004	0.008	0.007	0.01816
594434.78	4129130.7	0.004	0.008	0.007	0.01837
594460.69	4129130.7	0.004	0.008	0.007	0.01848
594486.6	4129130.7	0.004	0.008	0.007	0.01847
595047.1	4127721.65	0.001	0.001	0.001	0.00337
595080.55	4127721.65	0.001	0.002	0.001	0.00360
595047.1	4127745.31	0.001	0.002	0.001	0.00364
595080.55	4127745.31	0.001	0.002	0.001	0.00388
595047.1	4127768.97	0.001	0.002	0.001	0.00393
595080.55	4127768.97	0.001	0.002	0.002	0.00419
595047.1	4127792.63	0.001	0.002	0.002	0.00425

595080.55	4127792.63	0.001	0.002	0.002	0.00453
595047.1	4127816.29	0.001	0.002	0.002	0.00461
595080.55	4127816.29	0.001	0.002	0.002	0.00491
595047.1	4127839.95	0.001	0.002	0.002	0.00500
595080.55	4127839.95	0.001	0.002	0.002	0.00532
595047.1	4127863.61	0.001	0.002	0.002	0.00544
595080.55	4127863.61	0.001	0.002	0.002	0.00579
595047.1	4127887.27	0.001	0.002	0.002	0.00592
595080.55	4127887.27	0.001	0.003	0.002	0.00629
595047.1	4127910.93	0.001	0.003	0.002	0.00646
595080.55	4127910.93	0.001	0.003	0.003	0.00686
595047.1	4127934.59	0.002	0.003	0.003	0.00706
595080.55	4127934.59	0.002	0.003	0.003	0.00748
595047.1	4127958.25	0.002	0.003	0.003	0.00772
595080.55	4127958.25	0.002	0.003	0.003	0.00816
595047.1	4127981.91	0.002	0.004	0.003	0.00846
595080.55	4127981.91	0.002	0.004	0.003	0.00893
595047.1	4128005.57	0.002	0.004	0.003	0.00929
595080.55	4128005.57	0.002	0.004	0.004	0.00980
595047.1	4128029.23	0.002	0.004	0.004	0.01023
595080.55	4128029.23	0.002	0.005	0.004	0.01078
595047.1	4128052.89	0.002	0.005	0.004	0.01129
595080.55	4128052.89	0.002	0.005	0.004	0.01188
594886.23	4127719.27	0.001	0.001	0.001	0.00233
594950.74	4127719.27	0.001	0.001	0.001	0.00272
594886.23	4127747.71	0.001	0.001	0.001	0.00256
594950.74	4127747.71	0.001	0.001	0.001	0.00298
594886.23	4127776.15	0.001	0.001	0.001	0.00282
594950.74	4127776.15	0.001	0.001	0.001	0.00328
594886.23	4127804.59	0.001	0.001	0.001	0.00311
594950.74	4127804.59	0.001	0.002	0.001	0.00362
594886.23	4127833.03	0.001	0.001	0.001	0.00345
594950.74	4127833.03	0.001	0.002	0.001	0.00400
594886.23	4127861.47	0.001	0.002	0.001	0.00384
594950.74	4127861.47	0.001	0.002	0.002	0.00443
594886.23	4127889.91	0.001	0.002	0.002	0.00428
594950.74	4127889.91	0.001	0.002	0.002	0.00492
594886.23	4127918.35	0.001	0.002	0.002	0.00479
594950.74	4127918.35	0.001	0.002	0.002	0.00548
594834.46	4127713.69	0.000	0.001	0.001	0.00201
594862.34	4127713.69	0.000	0.001	0.001	0.00215
594834.46	4127736.34	0.000	0.001	0.001	0.00216

594862.34	4127736.34	0.001	0.001	0.001	0.00232
594834.46	4127758.99	0.001	0.001	0.001	0.00234
594862.34	4127758.99	0.001	0.001	0.001	0.00251
594834.46	4127781.64	0.001	0.001	0.001	0.00253
594862.34	4127781.64	0.001	0.001	0.001	0.00271
594834.46	4127804.29	0.001	0.001	0.001	0.00274
594862.34	4127804.29	0.001	0.001	0.001	0.00294
594834.46	4127826.94	0.001	0.001	0.001	0.00299
594862.34	4127826.94	0.001	0.001	0.001	0.00319
594834.46	4127849.59	0.001	0.001	0.001	0.00326
594862.34	4127849.59	0.001	0.001	0.001	0.00348
594834.46	4127872.24	0.001	0.001	0.001	0.00357
594862.34	4127872.24	0.001	0.002	0.001	0.00379
594834.46	4127894.89	0.001	0.002	0.001	0.00391
594862.34	4127894.89	0.001	0.002	0.001	0.00415
594834.46	4127917.54	0.001	0.002	0.002	0.00431
594862.34	4127917.54	0.001	0.002	0.002	0.00455
595026.39	4127722.45	0.001	0.001	0.001	0.00324
595026.39	4127759.08	0.001	0.002	0.001	0.00365
595026.39	4127795.71	0.001	0.002	0.002	0.00412
595026.39	4127832.34	0.001	0.002	0.002	0.00468
595026.39	4127868.97	0.001	0.002	0.002	0.00533
595026.39	4127905.6	0.001	0.003	0.002	0.00609
595026.39	4127942.23	0.001	0.003	0.003	0.00698
595026.39	4127978.86	0.002	0.003	0.003	0.00804
595026.39	4128015.49	0.002	0.004	0.003	0.00931
595026.39	4128052.12	0.002	0.005	0.004	0.01086
594967.92	4128313.02	0.008	0.017	0.015	0.03959
594989.44	4128313.02	0.008	0.017	0.015	0.04021
595010.96	4128313.02	0.008	0.017	0.015	0.04052
595032.48	4128313.02	0.008	0.017	0.015	0.04054
595054	4128313.02	0.008	0.017	0.015	0.04030
595075.52	4128313.02	0.008	0.017	0.015	0.03983
594967.92	4128341.65	0.010	0.020	0.018	0.04784
594989.44	4128341.65	0.010	0.020	0.018	0.04812
595010.96	4128341.65	0.010	0.020	0.018	0.04802
595032.48	4128341.65	0.010	0.020	0.018	0.04758
595054	4128341.65	0.010	0.020	0.017	0.04686
595075.52	4128341.65	0.010	0.019	0.017	0.04590
594967.92	4128370.28	0.012	0.025	0.021	0.05805
594989.44	4128370.28	0.012	0.024	0.021	0.05772
595010.96	4128370.28	0.012	0.024	0.021	0.05695



595032.48	4128370.28	0.012	0.024	0.021	0.05582
595054	4128370.28	0.011	0.023	0.020	0.05440
595075.52	4128370.28	0.011	0.022	0.019	0.05276
594967.92	4128398.91	0.015	0.030	0.026	0.07058
594989.44	4128398.91	0.014	0.029	0.025	0.06923
595010.96	4128398.91	0.014	0.029	0.025	0.06744
595032.48	4128398.91	0.014	0.028	0.024	0.06529
595054	4128398.91	0.013	0.027	0.023	0.06289
595075.52	4128398.91	0.013	0.026	0.022	0.06031
594967.92	4128427.54	0.018	0.036	0.032	0.08570
594989.44	4128427.54	0.017	0.035	0.030	0.08276
595010.96	4128427.54	0.017	0.034	0.029	0.07945
595032.48	4128427.54	0.016	0.032	0.028	0.07589
595054	4128427.54	0.015	0.031	0.027	0.07217
595075.52	4128427.54	0.014	0.029	0.025	0.06839
595000.73	4128430.99	0.017	0.035	0.030	0.08271
595032.09	4128430.99	0.016	0.033	0.028	0.07730
595063.45	4128430.99	0.015	0.030	0.026	0.07160
595000.73	4128448.25	0.019	0.039	0.034	0.09131
595032.09	4128448.25	0.017	0.036	0.031	0.08423
595063.45	4128448.25	0.016	0.033	0.028	0.07710
595000.73	4128465.51	0.021	0.043	0.037	0.10039
595032.09	4128465.51	0.019	0.039	0.034	0.09138
595063.45	4128465.51	0.017	0.035	0.030	0.08263
595056.55	4128477.03	0.018	0.037	0.033	0.08843
595097.42	4128477.03	0.016	0.032	0.028	0.07637
595138.29	4128477.03	0.014	0.028	0.024	0.06562
595056.55	4128506.38	0.020	0.041	0.036	0.09788
595097.42	4128506.38	0.017	0.035	0.030	0.08241
595138.29	4128506.38	0.014	0.029	0.025	0.06922
595185.07	4128542.78	0.012	0.024	0.021	0.05678
595200.24	4128542.78	0.011	0.022	0.019	0.05276
595215.41	4128542.78	0.010	0.021	0.018	0.04905
595230.58	4128542.78	0.009	0.019	0.017	0.04563
595245.75	4128542.78	0.009	0.018	0.016	0.04248
595260.92	4128542.78	0.008	0.017	0.015	0.03959
595276.09	4128542.78	0.008	0.016	0.014	0.03693
595291.26	4128542.78	0.007	0.015	0.013	0.03447
595306.43	4128542.78	0.007	0.014	0.012	0.03222
595321.6	4128542.78	0.006	0.013	0.011	0.03014
595185.07	4128563.98	0.012	0.024	0.021	0.05573
595200.24	4128563.98	0.011	0.022	0.019	0.05157

595215.41	4128563.98	0.010	0.020	0.018	0.04774
595230.58	4128563.98	0.009	0.019	0.016	0.04423
595245.75	4128563.98	0.009	0.017	0.015	0.04102
595260.92	4128563.98	0.008	0.016	0.014	0.03810
595276.09	4128563.98	0.007	0.015	0.013	0.03542
595291.26	4128563.98	0.007	0.014	0.012	0.03298
595306.43	4128563.98	0.006	0.013	0.011	0.03074
595321.6	4128563.98	0.006	0.012	0.011	0.02869
595185.07	4128585.18	0.011	0.023	0.020	0.05378
595200.24	4128585.18	0.010	0.021	0.018	0.04959
595215.41	4128585.18	0.010	0.019	0.017	0.04574
595230.58	4128585.18	0.009	0.018	0.016	0.04223
595245.75	4128585.18	0.008	0.017	0.014	0.03905
595260.92	4128585.18	0.008	0.015	0.013	0.03616
595276.09	4128585.18	0.007	0.014	0.012	0.03354
595291.26	4128585.18	0.006	0.013	0.011	0.03116
595306.43	4128585.18	0.006	0.012	0.011	0.02899
595321.6	4128585.18	0.006	0.011	0.010	0.02701
595185.07	4128606.38	0.011	0.022	0.019	0.05090
595200.24	4128606.38	0.010	0.020	0.017	0.04678
595215.41	4128606.38	0.009	0.018	0.016	0.04305
595230.58	4128606.38	0.008	0.017	0.015	0.03967
595245.75	4128606.38	0.008	0.016	0.013	0.03662
595260.92	4128606.38	0.007	0.014	0.012	0.03385
595276.09	4128606.38	0.007	0.013	0.012	0.03134
595291.26	4128606.38	0.006	0.012	0.011	0.02908
595306.43	4128606.38	0.006	0.011	0.010	0.02702
595321.6	4128606.38	0.005	0.011	0.009	0.02516
595343.81	4128516.24	0.006	0.012	0.011	0.02878
595380.27	4128516.24	0.005	0.011	0.009	0.02486
595416.73	4128516.24	0.004	0.009	0.008	0.02157
595453.19	4128516.24	0.004	0.008	0.007	0.01880
595343.81	4128534.78	0.006	0.012	0.010	0.02784
595380.27	4128534.78	0.005	0.010	0.009	0.02394
595416.73	4128534.78	0.004	0.009	0.008	0.02070
595453.19	4128534.78	0.004	0.008	0.007	0.01800
595343.81	4128553.32	0.006	0.011	0.010	0.02672
595380.27	4128553.32	0.005	0.010	0.008	0.02289
595416.73	4128553.32	0.004	0.008	0.007	0.01974
595453.19	4128553.32	0.004	0.007	0.006	0.01713
595343.81	4128571.86	0.005	0.011	0.009	0.02543
595380.27	4128571.86	0.005	0.009	0.008	0.02173

595416.73	4128571.86	0.004	0.008	0.007	0.01871
595453.19	4128571.86	0.003	0.007	0.006	0.01622
595343.81	4128590.4	0.005	0.010	0.009	0.02402
595380.27	4128590.4	0.004	0.009	0.008	0.02049
595416.73	4128590.4	0.004	0.007	0.006	0.01762
595453.19	4128590.4	0.003	0.006	0.006	0.01529
595343.81	4128608.94	0.005	0.010	0.008	0.02249
595380.27	4128608.94	0.004	0.008	0.007	0.01913
595416.73	4128608.94	0.003	0.007	0.006	0.01647
595453.19	4128608.94	0.003	0.006	0.005	0.01431
595459.33	4128741.51	0.002	0.004	0.003	0.00853
595488.36	4128741.51	0.002	0.003	0.003	0.00781
595517.39	4128741.51	0.002	0.003	0.003	0.00718
595546.42	4128741.51	0.001	0.003	0.002	0.00667
595575.45	4128741.51	0.001	0.003	0.002	0.00625
595604.48	4128741.51	0.001	0.002	0.002	0.00584
595633.51	4128741.51	0.001	0.002	0.002	0.00547
595662.54	4128741.51	0.001	0.002	0.002	0.00512
595691.57	4128741.51	0.001	0.002	0.002	0.00482
595720.6	4128741.51	0.001	0.002	0.002	0.00454
595749.63	4128741.51	0.001	0.002	0.002	0.00429
595778.66	4128741.51	0.001	0.002	0.001	0.00406
595807.69	4128741.51	0.001	0.002	0.001	0.00384
595836.72	4128741.51	0.001	0.002	0.001	0.00364
595865.75	4128741.51	0.001	0.001	0.001	0.00346
595894.78	4128741.51	0.001	0.001	0.001	0.00329
595923.81	4128741.51	0.001	0.001	0.001	0.00314
595952.84	4128741.51	0.001	0.001	0.001	0.00299
595981.87	4128741.51	0.001	0.001	0.001	0.00286
596010.9	4128741.51	0.001	0.001	0.001	0.00273
596039.93	4128741.51	0.001	0.001	0.001	0.00261
595459.33	4128760.66	0.002	0.003	0.003	0.00795
595488.36	4128760.66	0.002	0.003	0.003	0.00733
595517.39	4128760.66	0.001	0.003	0.002	0.00676
595546.42	4128760.66	0.001	0.003	0.002	0.00628
595575.45	4128760.66	0.001	0.002	0.002	0.00588
595604.48	4128760.66	0.001	0.002	0.002	0.00551
595633.51	4128760.66	0.001	0.002	0.002	0.00517
595662.54	4128760.66	0.001	0.002	0.002	0.00485
595691.57	4128760.66	0.001	0.002	0.002	0.00457
595720.6	4128760.66	0.001	0.002	0.002	0.00433
595749.63	4128760.66	0.001	0.002	0.002	0.00411

595778.66	4128760.66	0.001	0.002	0.001	0.00390
595807.69	4128760.66	0.001	0.002	0.001	0.00370
595836.72	4128760.66	0.001	0.001	0.001	0.00351
595865.75	4128760.66	0.001	0.001	0.001	0.00334
595894.78	4128760.66	0.001	0.001	0.001	0.00318
595923.81	4128760.66	0.001	0.001	0.001	0.00304
595952.84	4128760.66	0.001	0.001	0.001	0.00290
595981.87	4128760.66	0.001	0.001	0.001	0.00277
596010.9	4128760.66	0.001	0.001	0.001	0.00266
596039.93	4128760.66	0.001	0.001	0.001	0.00254
595459.33	4128779.81	0.002	0.003	0.003	0.00742
595488.36	4128779.81	0.001	0.003	0.003	0.00687
595517.39	4128779.81	0.001	0.003	0.002	0.00636
595546.42	4128779.81	0.001	0.002	0.002	0.00592
595575.45	4128779.81	0.001	0.002	0.002	0.00554
595604.48	4128779.81	0.001	0.002	0.002	0.00520
595633.51	4128779.81	0.001	0.002	0.002	0.00489
595662.54	4128779.81	0.001	0.002	0.002	0.00461
595691.57	4128779.81	0.001	0.002	0.002	0.00434
595720.6	4128779.81	0.001	0.002	0.002	0.00412
595749.63	4128779.81	0.001	0.002	0.001	0.00393
595778.66	4128779.81	0.001	0.002	0.001	0.00374
595807.69	4128779.81	0.001	0.001	0.001	0.00355
595836.72	4128779.81	0.001	0.001	0.001	0.00338
595865.75	4128779.81	0.001	0.001	0.001	0.00322
595894.78	4128779.81	0.001	0.001	0.001	0.00308
595923.81	4128779.81	0.001	0.001	0.001	0.00294
595952.84	4128779.81	0.001	0.001	0.001	0.00281
595981.87	4128779.81	0.001	0.001	0.001	0.00269
596010.9	4128779.81	0.001	0.001	0.001	0.00258
596039.93	4128779.81	0.001	0.001	0.001	0.00247
595459.33	4128798.96	0.001	0.003	0.003	0.00692
595488.36	4128798.96	0.001	0.003	0.002	0.00644
595517.39	4128798.96	0.001	0.003	0.002	0.00598
595546.42	4128798.96	0.001	0.002	0.002	0.00558
595575.45	4128798.96	0.001	0.002	0.002	0.00524
595604.48	4128798.96	0.001	0.002	0.002	0.00492
595633.51	4128798.96	0.001	0.002	0.002	0.00464
595662.54	4128798.96	0.001	0.002	0.002	0.00438
595691.57	4128798.96	0.001	0.002	0.002	0.00413
595720.6	4128798.96	0.001	0.002	0.001	0.00391
595749.63	4128798.96	0.001	0.002	0.001	0.00375

595778.66	4128798.96	0.001	0.002	0.001	0.00358
595807.69	4128798.96	0.001	0.001	0.001	0.00341
595836.72	4128798.96	0.001	0.001	0.001	0.00325
595865.75	4128798.96	0.001	0.001	0.001	0.00311
595894.78	4128798.96	0.001	0.001	0.001	0.00297
595923.81	4128798.96	0.001	0.001	0.001	0.00284
595952.84	4128798.96	0.001	0.001	0.001	0.00272
595981.87	4128798.96	0.001	0.001	0.001	0.00261
596010.9	4128798.96	0.001	0.001	0.001	0.00250
596039.93	4128798.96	0.001	0.001	0.001	0.00240
595459.33	4128818.11	0.001	0.003	0.002	0.00647
595488.36	4128818.11	0.001	0.003	0.002	0.00603
595517.39	4128818.11	0.001	0.002	0.002	0.00562
595546.42	4128818.11	0.001	0.002	0.002	0.00526
595575.45	4128818.11	0.001	0.002	0.002	0.00495
595604.48	4128818.11	0.001	0.002	0.002	0.00466
595633.51	4128818.11	0.001	0.002	0.002	0.00442
595662.54	4128818.11	0.001	0.002	0.002	0.00418
595691.57	4128818.11	0.001	0.002	0.001	0.00394
595720.6	4128818.11	0.001	0.002	0.001	0.00374
595749.63	4128818.11	0.001	0.002	0.001	0.00358
595778.66	4128818.11	0.001	0.001	0.001	0.00341
595807.69	4128818.11	0.001	0.001	0.001	0.00325
595836.72	4128818.11	0.001	0.001	0.001	0.00312
595865.75	4128818.11	0.001	0.001	0.001	0.00299
595894.78	4128818.11	0.001	0.001	0.001	0.00287
595923.81	4128818.11	0.001	0.001	0.001	0.00274
595952.84	4128818.11	0.001	0.001	0.001	0.00263
595981.87	4128818.11	0.001	0.001	0.001	0.00253
596010.9	4128818.11	0.001	0.001	0.001	0.00243
596039.93	4128818.11	0.000	0.001	0.001	0.00233
595459.33	4128837.26	0.001	0.003	0.002	0.00606
595488.36	4128837.26	0.001	0.002	0.002	0.00567
595517.39	4128837.26	0.001	0.002	0.002	0.00529
595546.42	4128837.26	0.001	0.002	0.002	0.00496
595575.45	4128837.26	0.001	0.002	0.002	0.00470
595604.48	4128837.26	0.001	0.002	0.002	0.00443
595633.51	4128837.26	0.001	0.002	0.002	0.00421
595662.54	4128837.26	0.001	0.002	0.001	0.00399
595691.57	4128837.26	0.001	0.002	0.001	0.00378
595720.6	4128837.26	0.001	0.002	0.001	0.00359
595749.63	4128837.26	0.001	0.001	0.001	0.00342

595778.66	4128837.26	0.001	0.001	0.001	0.00325
595807.69	4128837.26	0.001	0.001	0.001	0.00310
595836.72	4128837.26	0.001	0.001	0.001	0.00298
595865.75	4128837.26	0.001	0.001	0.001	0.00287
595894.78	4128837.26	0.001	0.001	0.001	0.00276
595923.81	4128837.26	0.001	0.001	0.001	0.00265
595952.84	4128837.26	0.001	0.001	0.001	0.00254
595981.87	4128837.26	0.001	0.001	0.001	0.00244
596010.9	4128837.26	0.001	0.001	0.001	0.00235
596039.93	4128837.26	0.000	0.001	0.001	0.00226
595459.33	4128856.41	0.001	0.002	0.002	0.00570
595488.36	4128856.41	0.001	0.002	0.002	0.00534
595517.39	4128856.41	0.001	0.002	0.002	0.00499
595546.42	4128856.41	0.001	0.002	0.002	0.00470
595575.45	4128856.41	0.001	0.002	0.002	0.00447
595604.48	4128856.41	0.001	0.002	0.002	0.00422
595633.51	4128856.41	0.001	0.002	0.001	0.00401
595662.54	4128856.41	0.001	0.002	0.001	0.00382
595691.57	4128856.41	0.001	0.002	0.001	0.00362
595720.6	4128856.41	0.001	0.001	0.001	0.00344
595749.63	4128856.41	0.001	0.001	0.001	0.00327
595778.66	4128856.41	0.001	0.001	0.001	0.00311
595807.69	4128856.41	0.001	0.001	0.001	0.00297
595836.72	4128856.41	0.001	0.001	0.001	0.00285
595865.75	4128856.41	0.001	0.001	0.001	0.00275
595894.78	4128856.41	0.001	0.001	0.001	0.00266
595923.81	4128856.41	0.001	0.001	0.001	0.00255
595952.84	4128856.41	0.001	0.001	0.001	0.00245
595981.87	4128856.41	0.001	0.001	0.001	0.00236
596010.9	4128856.41	0.000	0.001	0.001	0.00227
596039.93	4128856.41	0.000	0.001	0.001	0.00219
595459.33	4128875.56	0.001	0.002	0.002	0.00539
595488.36	4128875.56	0.001	0.002	0.002	0.00505
595517.39	4128875.56	0.001	0.002	0.002	0.00475
595546.42	4128875.56	0.001	0.002	0.002	0.00448
595575.45	4128875.56	0.001	0.002	0.002	0.00424
595604.48	4128875.56	0.001	0.002	0.001	0.00402
595633.51	4128875.56	0.001	0.002	0.001	0.00383
595662.54	4128875.56	0.001	0.002	0.001	0.00364
595691.57	4128875.56	0.001	0.001	0.001	0.00346
595720.6	4128875.56	0.001	0.001	0.001	0.00330
595749.63	4128875.56	0.001	0.001	0.001	0.00315

595778.66	4128875.56	0.001	0.001	0.001	0.00301
595807.69	4128875.56	0.001	0.001	0.001	0.00287
595836.72	4128875.56	0.001	0.001	0.001	0.00274
595865.75	4128875.56	0.001	0.001	0.001	0.00264
595894.78	4128875.56	0.001	0.001	0.001	0.00255
595923.81	4128875.56	0.001	0.001	0.001	0.00246
595952.84	4128875.56	0.001	0.001	0.001	0.00237
595981.87	4128875.56	0.000	0.001	0.001	0.00228
596010.9	4128875.56	0.000	0.001	0.001	0.00219
596039.93	4128875.56	0.000	0.001	0.001	0.00211
595459.33	4128894.71	0.001	0.002	0.002	0.00513
595488.36	4128894.71	0.001	0.002	0.002	0.00481
595517.39	4128894.71	0.001	0.002	0.002	0.00454
595546.42	4128894.71	0.001	0.002	0.002	0.00429
595575.45	4128894.71	0.001	0.002	0.001	0.00405
595604.48	4128894.71	0.001	0.002	0.001	0.00385
595633.51	4128894.71	0.001	0.002	0.001	0.00366
595662.54	4128894.71	0.001	0.001	0.001	0.00348
595691.57	4128894.71	0.001	0.001	0.001	0.00331
595720.6	4128894.71	0.001	0.001	0.001	0.00316
595749.63	4128894.71	0.001	0.001	0.001	0.00302
595778.66	4128894.71	0.001	0.001	0.001	0.00289
595807.69	4128894.71	0.001	0.001	0.001	0.00276
595836.72	4128894.71	0.001	0.001	0.001	0.00264
595865.75	4128894.71	0.001	0.001	0.001	0.00254
595894.78	4128894.71	0.001	0.001	0.001	0.00245
595923.81	4128894.71	0.001	0.001	0.001	0.00236
595952.84	4128894.71	0.000	0.001	0.001	0.00228
595981.87	4128894.71	0.000	0.001	0.001	0.00220
596010.9	4128894.71	0.000	0.001	0.001	0.00212
596039.93	4128894.71	0.000	0.001	0.001	0.00204
595459.33	4128913.86	0.001	0.002	0.002	0.00493
595488.36	4128913.86	0.001	0.002	0.002	0.00462
595517.39	4128913.86	0.001	0.002	0.002	0.00436
595546.42	4128913.86	0.001	0.002	0.001	0.00412
595575.45	4128913.86	0.001	0.002	0.001	0.00389
595604.48	4128913.86	0.001	0.002	0.001	0.00369
595633.51	4128913.86	0.001	0.001	0.001	0.00351
595662.54	4128913.86	0.001	0.001	0.001	0.00334
595691.57	4128913.86	0.001	0.001	0.001	0.00318
595720.6	4128913.86	0.001	0.001	0.001	0.00304
595749.63	4128913.86	0.001	0.001	0.001	0.00290

595778.66	4128913.86	0.001	0.001	0.001	0.00278
595807.69	4128913.86	0.001	0.001	0.001	0.00266
595836.72	4128913.86	0.001	0.001	0.001	0.00254
595865.75	4128913.86	0.001	0.001	0.001	0.00244
595894.78	4128913.86	0.001	0.001	0.001	0.00235
595923.81	4128913.86	0.000	0.001	0.001	0.00228
595952.84	4128913.86	0.000	0.001	0.001	0.00220
595981.87	4128913.86	0.000	0.001	0.001	0.00212
596010.9	4128913.86	0.000	0.001	0.001	0.00204
596039.93	4128913.86	0.000	0.001	0.001	0.00197
595459.33	4128933.01	0.001	0.002	0.002	0.00478
595488.36	4128933.01	0.001	0.002	0.002	0.00448
595517.39	4128933.01	0.001	0.002	0.002	0.00422
595546.42	4128933.01	0.001	0.002	0.001	0.00398
595575.45	4128933.01	0.001	0.002	0.001	0.00376
595604.48	4128933.01	0.001	0.001	0.001	0.00356
595633.51	4128933.01	0.001	0.001	0.001	0.00338
595662.54	4128933.01	0.001	0.001	0.001	0.00321
595691.57	4128933.01	0.001	0.001	0.001	0.00306
595720.6	4128933.01	0.001	0.001	0.001	0.00292
595749.63	4128933.01	0.001	0.001	0.001	0.00280
595778.66	4128933.01	0.001	0.001	0.001	0.00267
595807.69	4128933.01	0.001	0.001	0.001	0.00256
595836.72	4128933.01	0.001	0.001	0.001	0.00245
595865.75	4128933.01	0.001	0.001	0.001	0.00235
595894.78	4128933.01	0.000	0.001	0.001	0.00227
595923.81	4128933.01	0.000	0.001	0.001	0.00219
595952.84	4128933.01	0.000	0.001	0.001	0.00212
595981.87	4128933.01	0.000	0.001	0.001	0.00204
596010.9	4128933.01	0.000	0.001	0.001	0.00197
596039.93	4128933.01	0.000	0.001	0.001	0.00190
595459.33	4128952.16	0.001	0.002	0.002	0.00467
595488.36	4128952.16	0.001	0.002	0.002	0.00437
595517.39	4128952.16	0.001	0.002	0.001	0.00411
595546.42	4128952.16	0.001	0.002	0.001	0.00387
595575.45	4128952.16	0.001	0.002	0.001	0.00365
595604.48	4128952.16	0.001	0.001	0.001	0.00345
595633.51	4128952.16	0.001	0.001	0.001	0.00327
595662.54	4128952.16	0.001	0.001	0.001	0.00311
595691.57	4128952.16	0.001	0.001	0.001	0.00296
595720.6	4128952.16	0.001	0.001	0.001	0.00283
595749.63	4128952.16	0.001	0.001	0.001	0.00270



595778.66	4128952.16	0.001	0.001	0.001	0.00258
595807.69	4128952.16	0.001	0.001	0.001	0.00247
595836.72	4128952.16	0.001	0.001	0.001	0.00236
595865.75	4128952.16	0.000	0.001	0.001	0.00227
595894.78	4128952.16	0.000	0.001	0.001	0.00218
595923.81	4128952.16	0.000	0.001	0.001	0.00211
595952.84	4128952.16	0.000	0.001	0.001	0.00204
595981.87	4128952.16	0.000	0.001	0.001	0.00197
596010.9	4128952.16	0.000	0.001	0.001	0.00190
596039.93	4128952.16	0.000	0.001	0.001	0.00183
595459.33	4128971.31	0.001	0.002	0.002	0.00459
595488.36	4128971.31	0.001	0.002	0.002	0.00429
595517.39	4128971.31	0.001	0.002	0.001	0.00403
595546.42	4128971.31	0.001	0.002	0.001	0.00378
595575.45	4128971.31	0.001	0.001	0.001	0.00357
595604.48	4128971.31	0.001	0.001	0.001	0.00337
595633.51	4128971.31	0.001	0.001	0.001	0.00319
595662.54	4128971.31	0.001	0.001	0.001	0.00303
595691.57	4128971.31	0.001	0.001	0.001	0.00288
595720.6	4128971.31	0.001	0.001	0.001	0.00274
595749.63	4128971.31	0.001	0.001	0.001	0.00262
595778.66	4128971.31	0.001	0.001	0.001	0.00250
595807.69	4128971.31	0.001	0.001	0.001	0.00239
595836.72	4128971.31	0.000	0.001	0.001	0.00229
595865.75	4128971.31	0.000	0.001	0.001	0.00219
595894.78	4128971.31	0.000	0.001	0.001	0.00210
595923.81	4128971.31	0.000	0.001	0.001	0.00203
595952.84	4128971.31	0.000	0.001	0.001	0.00197
595981.87	4128971.31	0.000	0.001	0.001	0.00190
596010.9	4128971.31	0.000	0.001	0.001	0.00183
596039.93	4128971.31	0.000	0.001	0.001	0.00177
595459.33	4128990.46	0.001	0.002	0.002	0.00454
595488.36	4128990.46	0.001	0.002	0.002	0.00424
595517.39	4128990.46	0.001	0.002	0.001	0.00397
595546.42	4128990.46	0.001	0.002	0.001	0.00373
595575.45	4128990.46	0.001	0.001	0.001	0.00351
595604.48	4128990.46	0.001	0.001	0.001	0.00331
595633.51	4128990.46	0.001	0.001	0.001	0.00313
595662.54	4128990.46	0.001	0.001	0.001	0.00297
595691.57	4128990.46	0.001	0.001	0.001	0.00282
595720.6	4128990.46	0.001	0.001	0.001	0.00268
595749.63	4128990.46	0.001	0.001	0.001	0.00255

595778.66	4128990.46	0.001	0.001	0.001	0.00243
595807.69	4128990.46	0.001	0.001	0.001	0.00232
595836.72	4128990.46	0.000	0.001	0.001	0.00223
595865.75	4128990.46	0.000	0.001	0.001	0.00213
595894.78	4128990.46	0.000	0.001	0.001	0.00204
595923.81	4128990.46	0.000	0.001	0.001	0.00196
595952.84	4128990.46	0.000	0.001	0.001	0.00190
595981.87	4128990.46	0.000	0.001	0.001	0.00184
596010.9	4128990.46	0.000	0.001	0.001	0.00177
596039.93	4128990.46	0.000	0.001	0.001	0.00171
595459.33	4129009.61	0.001	0.002	0.002	0.00451
595488.36	4129009.61	0.001	0.002	0.002	0.00421
595517.39	4129009.61	0.001	0.002	0.001	0.00394
595546.42	4129009.61	0.001	0.002	0.001	0.00369
595575.45	4129009.61	0.001	0.001	0.001	0.00347
595604.48	4129009.61	0.001	0.001	0.001	0.00327
595633.51	4129009.61	0.001	0.001	0.001	0.00309
595662.54	4129009.61	0.001	0.001	0.001	0.00292
595691.57	4129009.61	0.001	0.001	0.001	0.00277
595720.6	4129009.61	0.001	0.001	0.001	0.00263
595749.63	4129009.61	0.001	0.001	0.001	0.00250
595778.66	4129009.61	0.001	0.001	0.001	0.00238
595807.69	4129009.61	0.000	0.001	0.001	0.00227
595836.72	4129009.61	0.000	0.001	0.001	0.00218
595865.75	4129009.61	0.000	0.001	0.001	0.00208
595894.78	4129009.61	0.000	0.001	0.001	0.00199
595923.81	4129009.61	0.000	0.001	0.001	0.00190
595952.84	4129009.61	0.000	0.001	0.001	0.00183
595981.87	4129009.61	0.000	0.001	0.001	0.00178
596010.9	4129009.61	0.000	0.001	0.001	0.00172
596039.93	4129009.61	0.000	0.001	0.001	0.00166
595459.33	4129028.76	0.001	0.002	0.002	0.00449
595488.36	4129028.76	0.001	0.002	0.002	0.00419
595517.39	4129028.76	0.001	0.002	0.001	0.00392
595546.42	4129028.76	0.001	0.002	0.001	0.00367
595575.45	4129028.76	0.001	0.001	0.001	0.00345
595604.48	4129028.76	0.001	0.001	0.001	0.00324
595633.51	4129028.76	0.001	0.001	0.001	0.00306
595662.54	4129028.76	0.001	0.001	0.001	0.00289
595691.57	4129028.76	0.001	0.001	0.001	0.00273
595720.6	4129028.76	0.001	0.001	0.001	0.00259
595749.63	4129028.76	0.001	0.001	0.001	0.00246

595778.66	4129028.76	0.001	0.001	0.001	0.00234
595807.69	4129028.76	0.000	0.001	0.001	0.00223
595836.72	4129028.76	0.000	0.001	0.001	0.00213
595865.75	4129028.76	0.000	0.001	0.001	0.00203
595894.78	4129028.76	0.000	0.001	0.001	0.00195
595923.81	4129028.76	0.000	0.001	0.001	0.00186
595952.84	4129028.76	0.000	0.001	0.001	0.00178
595981.87	4129028.76	0.000	0.001	0.001	0.00172
596010.9	4129028.76	0.000	0.001	0.001	0.00167
596039.93	4129028.76	0.000	0.001	0.001	0.00161
595459.33	4129047.91	0.001	0.002	0.002	0.00449
595488.36	4129047.91	0.001	0.002	0.002	0.00419
595517.39	4129047.91	0.001	0.002	0.001	0.00391
595546.42	4129047.91	0.001	0.002	0.001	0.00366
595575.45	4129047.91	0.001	0.001	0.001	0.00344
595604.48	4129047.91	0.001	0.001	0.001	0.00323
595633.51	4129047.91	0.001	0.001	0.001	0.00304
595662.54	4129047.91	0.001	0.001	0.001	0.00287
595691.57	4129047.91	0.001	0.001	0.001	0.00271
595720.6	4129047.91	0.001	0.001	0.001	0.00257
595749.63	4129047.91	0.001	0.001	0.001	0.00243
595778.66	4129047.91	0.001	0.001	0.001	0.00231
595807.69	4129047.91	0.000	0.001	0.001	0.00220
595836.72	4129047.91	0.000	0.001	0.001	0.00210
595865.75	4129047.91	0.000	0.001	0.001	0.00200
595894.78	4129047.91	0.000	0.001	0.001	0.00191
595923.81	4129047.91	0.000	0.001	0.001	0.00182
595952.84	4129047.91	0.000	0.001	0.001	0.00174
595981.87	4129047.91	0.000	0.001	0.001	0.00167
596010.9	4129047.91	0.000	0.001	0.001	0.00162
596039.93	4129047.91	0.000	0.001	0.001	0.00156
595459.33	4129067.06	0.001	0.002	0.002	0.00451
595488.36	4129067.06	0.001	0.002	0.002	0.00419
595517.39	4129067.06	0.001	0.002	0.001	0.00391
595546.42	4129067.06	0.001	0.002	0.001	0.00366
595575.45	4129067.06	0.001	0.001	0.001	0.00344
595604.48	4129067.06	0.001	0.001	0.001	0.00323
595633.51	4129067.06	0.001	0.001	0.001	0.00304
595662.54	4129067.06	0.001	0.001	0.001	0.00286
595691.57	4129067.06	0.001	0.001	0.001	0.00270
595720.6	4129067.06	0.001	0.001	0.001	0.00255
595749.63	4129067.06	0.001	0.001	0.001	0.00242

595778.66	4129067.06	0.001	0.001	0.001	0.00229
595807.69	4129067.06	0.000	0.001	0.001	0.00218
595836.72	4129067.06	0.000	0.001	0.001	0.00207
595865.75	4129067.06	0.000	0.001	0.001	0.00197
595894.78	4129067.06	0.000	0.001	0.001	0.00188
595923.81	4129067.06	0.000	0.001	0.001	0.00179
595952.84	4129067.06	0.000	0.001	0.001	0.00170
595981.87	4129067.06	0.000	0.001	0.001	0.00164
596010.9	4129067.06	0.000	0.001	0.001	0.00158
596039.93	4129067.06	0.000	0.001	0.001	0.00152
595459.33	4129086.21	0.001	0.002	0.002	0.00453
595488.36	4129086.21	0.001	0.002	0.002	0.00420
595517.39	4129086.21	0.001	0.002	0.001	0.00392
595546.42	4129086.21	0.001	0.002	0.001	0.00367
595575.45	4129086.21	0.001	0.001	0.001	0.00344
595604.48	4129086.21	0.001	0.001	0.001	0.00323
595633.51	4129086.21	0.001	0.001	0.001	0.00304
595662.54	4129086.21	0.001	0.001	0.001	0.00286
595691.57	4129086.21	0.001	0.001	0.001	0.00270
595720.6	4129086.21	0.001	0.001	0.001	0.00255
595749.63	4129086.21	0.001	0.001	0.001	0.00241
595778.66	4129086.21	0.001	0.001	0.001	0.00228
595807.69	4129086.21	0.000	0.001	0.001	0.00217
595836.72	4129086.21	0.000	0.001	0.001	0.00205
595865.75	4129086.21	0.000	0.001	0.001	0.00195
595894.78	4129086.21	0.000	0.001	0.001	0.00186
595923.81	4129086.21	0.000	0.001	0.001	0.00177
595952.84	4129086.21	0.000	0.001	0.001	0.00168
595981.87	4129086.21	0.000	0.001	0.001	0.00160
596010.9	4129086.21	0.000	0.001	0.001	0.00154
596039.93	4129086.21	0.000	0.001	0.001	0.00149
595459.33	4129105.36	0.001	0.002	0.002	0.00458
595488.36	4129105.36	0.001	0.002	0.002	0.00423
595517.39	4129105.36	0.001	0.002	0.001	0.00394
595546.42	4129105.36	0.001	0.002	0.001	0.00368
595575.45	4129105.36	0.001	0.001	0.001	0.00345
595604.48	4129105.36	0.001	0.001	0.001	0.00324
595633.51	4129105.36	0.001	0.001	0.001	0.00304
595662.54	4129105.36	0.001	0.001	0.001	0.00286
595691.57	4129105.36	0.001	0.001	0.001	0.00270
595720.6	4129105.36	0.001	0.001	0.001	0.00255
595749.63	4129105.36	0.001	0.001	0.001	0.00241

595778.66	4129105.36	0.001	0.001	0.001	0.00228
595807.69	4129105.36	0.000	0.001	0.001	0.00216
595836.72	4129105.36	0.000	0.001	0.001	0.00204
595865.75	4129105.36	0.000	0.001	0.001	0.00194
595894.78	4129105.36	0.000	0.001	0.001	0.00184
595923.81	4129105.36	0.000	0.001	0.001	0.00175
595952.84	4129105.36	0.000	0.001	0.001	0.00166
595981.87	4129105.36	0.000	0.001	0.001	0.00158
596010.9	4129105.36	0.000	0.001	0.001	0.00151
596039.93	4129105.36	0.000	0.001	0.001	0.00145
595459.33	4129124.51	0.001	0.002	0.002	0.00464
595488.36	4129124.51	0.001	0.002	0.002	0.00427
595517.39	4129124.51	0.001	0.002	0.001	0.00396
595546.42	4129124.51	0.001	0.002	0.001	0.00370
595575.45	4129124.51	0.001	0.001	0.001	0.00346
595604.48	4129124.51	0.001	0.001	0.001	0.00325
595633.51	4129124.51	0.001	0.001	0.001	0.00305
595662.54	4129124.51	0.001	0.001	0.001	0.00287
595691.57	4129124.51	0.001	0.001	0.001	0.00271
595720.6	4129124.51	0.001	0.001	0.001	0.00255
595749.63	4129124.51	0.001	0.001	0.001	0.00241
595778.66	4129124.51	0.001	0.001	0.001	0.00228
595807.69	4129124.51	0.000	0.001	0.001	0.00215
595836.72	4129124.51	0.000	0.001	0.001	0.00204
595865.75	4129124.51	0.000	0.001	0.001	0.00193
595894.78	4129124.51	0.000	0.001	0.001	0.00183
595923.81	4129124.51	0.000	0.001	0.001	0.00174
595952.84	4129124.51	0.000	0.001	0.001	0.00164
595981.87	4129124.51	0.000	0.001	0.001	0.00156
596010.9	4129124.51	0.000	0.001	0.001	0.00149
596039.93	4129124.51	0.000	0.001	0.001	0.00142
595249.89	4128695.55	0.005	0.010	0.009	0.02363
595290.33	4128695.55	0.004	0.008	0.007	0.01949
595330.77	4128695.55	0.003	0.007	0.006	0.01634
595371.21	4128695.55	0.003	0.006	0.005	0.01390
595411.65	4128695.55	0.003	0.005	0.004	0.01193
595452.09	4128695.55	0.002	0.004	0.004	0.01036
595249.89	4128726.21	0.004	0.008	0.007	0.01978
595290.33	4128726.21	0.003	0.007	0.006	0.01655
595330.77	4128726.21	0.003	0.006	0.005	0.01406
595371.21	4128726.21	0.003	0.005	0.004	0.01210
595411.65	4128726.21	0.002	0.004	0.004	0.01053

595452.09	4128726.21	0.002	0.004	0.003	0.00924
595249.89	4128756.87	0.003	0.007	0.006	0.01648
595290.33	4128756.87	0.003	0.006	0.005	0.01402
595330.77	4128756.87	0.003	0.005	0.004	0.01208
595371.21	4128756.87	0.002	0.004	0.004	0.01054
595411.65	4128756.87	0.002	0.004	0.003	0.00928
595452.09	4128756.87	0.002	0.003	0.003	0.00823
595249.89	4128787.53	0.003	0.006	0.005	0.01382
595290.33	4128787.53	0.003	0.005	0.004	0.01194
595330.77	4128787.53	0.002	0.004	0.004	0.01044
595371.21	4128787.53	0.002	0.004	0.003	0.00921
595411.65	4128787.53	0.002	0.003	0.003	0.00820
595452.09	4128787.53	0.002	0.003	0.003	0.00735
595249.89	4128818.19	0.003	0.005	0.004	0.01179
595290.33	4128818.19	0.002	0.004	0.004	0.01031
595330.77	4128818.19	0.002	0.004	0.003	0.00911
595371.21	4128818.19	0.002	0.003	0.003	0.00811
595411.65	4128818.19	0.002	0.003	0.003	0.00728
595452.09	4128818.19	0.001	0.003	0.002	0.00658
595249.89	4128848.85	0.002	0.004	0.004	0.01034
595290.33	4128848.85	0.002	0.004	0.003	0.00910
595330.77	4128848.85	0.002	0.003	0.003	0.00809
595371.21	4128848.85	0.002	0.003	0.003	0.00725
595411.65	4128848.85	0.001	0.003	0.002	0.00654
595452.09	4128848.85	0.001	0.002	0.002	0.00594
595249.89	4128879.51	0.002	0.004	0.003	0.00939
595290.33	4128879.51	0.002	0.003	0.003	0.00827
595330.77	4128879.51	0.002	0.003	0.003	0.00736
595371.21	4128879.51	0.001	0.003	0.002	0.00661
595411.65	4128879.51	0.001	0.003	0.002	0.00597
595452.09	4128879.51	0.001	0.002	0.002	0.00542
595249.89	4128910.17	0.002	0.004	0.003	0.00883
595290.33	4128910.17	0.002	0.003	0.003	0.00775
595330.77	4128910.17	0.002	0.003	0.002	0.00689
595371.21	4128910.17	0.001	0.003	0.002	0.00617
595411.65	4128910.17	0.001	0.002	0.002	0.00557
595452.09	4128910.17	0.001	0.002	0.002	0.00505
595249.89	4128940.83	0.002	0.004	0.003	0.00856
595290.33	4128940.83	0.002	0.003	0.003	0.00746
595330.77	4128940.83	0.001	0.003	0.002	0.00660
595371.21	4128940.83	0.001	0.002	0.002	0.00590
595411.65	4128940.83	0.001	0.002	0.002	0.00531

595452.09	4128940.83	0.001	0.002	0.002	0.00481
595370.31	4128948.01	0.001	0.002	0.002	0.00587
595402.84	4128948.01	0.001	0.002	0.002	0.00538
595435.37	4128948.01	0.001	0.002	0.002	0.00496
595370.31	4128976.76	0.001	0.002	0.002	0.00574
595402.84	4128976.76	0.001	0.002	0.002	0.00526
595435.37	4128976.76	0.001	0.002	0.002	0.00485
595370.31	4129005.51	0.001	0.002	0.002	0.00570
595402.84	4129005.51	0.001	0.002	0.002	0.00521
595435.37	4129005.51	0.001	0.002	0.002	0.00479
595370.31	4129034.26	0.001	0.002	0.002	0.00573
595402.84	4129034.26	0.001	0.002	0.002	0.00521
595435.37	4129034.26	0.001	0.002	0.002	0.00477
595370.31	4129063.01	0.001	0.002	0.002	0.00584
595402.84	4129063.01	0.001	0.002	0.002	0.00526
595435.37	4129063.01	0.001	0.002	0.002	0.00479
595370.31	4129091.76	0.001	0.003	0.002	0.00606
595402.84	4129091.76	0.001	0.002	0.002	0.00538
595435.37	4129091.76	0.001	0.002	0.002	0.00486
595548.86	4129154.91	0.001	0.002	0.001	0.00372
595605.25	4129154.91	0.001	0.001	0.001	0.00326
595661.64	4129154.91	0.001	0.001	0.001	0.00289
595718.03	4129154.91	0.001	0.001	0.001	0.00258
595548.86	4129180.69	0.001	0.002	0.001	0.00378
595605.25	4129180.69	0.001	0.001	0.001	0.00329
595661.64	4129180.69	0.001	0.001	0.001	0.00290
595718.03	4129180.69	0.001	0.001	0.001	0.00258
595548.86	4129206.47	0.001	0.002	0.001	0.00388
595605.25	4129206.47	0.001	0.001	0.001	0.00333
595661.64	4129206.47	0.001	0.001	0.001	0.00292
595718.03	4129206.47	0.001	0.001	0.001	0.00259
595548.86	4129232.25	0.001	0.002	0.001	0.00402
595605.25	4129232.25	0.001	0.001	0.001	0.00339
595661.64	4129232.25	0.001	0.001	0.001	0.00294
595718.03	4129232.25	0.001	0.001	0.001	0.00259
595770.66	4129137.18	0.001	0.001	0.001	0.00231
595794.75	4129137.18	0.000	0.001	0.001	0.00221
595818.84	4129137.18	0.000	0.001	0.001	0.00211
595842.93	4129137.18	0.000	0.001	0.001	0.00201
595867.02	4129137.18	0.000	0.001	0.001	0.00192
595891.11	4129137.18	0.000	0.001	0.001	0.00184
595915.2	4129137.18	0.000	0.001	0.001	0.00176

595939.29	4129137.18	0.000	0.001	0.001	0.00168
595770.66	4129177.59	0.001	0.001	0.001	0.00232
595794.75	4129177.59	0.000	0.001	0.001	0.00221
595818.84	4129177.59	0.000	0.001	0.001	0.00210
595842.93	4129177.59	0.000	0.001	0.001	0.00200
595867.02	4129177.59	0.000	0.001	0.001	0.00191
595891.11	4129177.59	0.000	0.001	0.001	0.00182
595915.2	4129177.59	0.000	0.001	0.001	0.00174
595939.29	4129177.59	0.000	0.001	0.001	0.00165
595770.66	4129218	0.001	0.001	0.001	0.00231
595794.75	4129218	0.000	0.001	0.001	0.00220
595818.84	4129218	0.000	0.001	0.001	0.00209
595842.93	4129218	0.000	0.001	0.001	0.00199
595867.02	4129218	0.000	0.001	0.001	0.00189
595891.11	4129218	0.000	0.001	0.001	0.00180
595915.2	4129218	0.000	0.001	0.001	0.00172
595939.29	4129218	0.000	0.001	0.001	0.00164
595770.66	4129258.41	0.001	0.001	0.001	0.00230
595794.75	4129258.41	0.000	0.001	0.001	0.00218
595818.84	4129258.41	0.000	0.001	0.001	0.00207
595842.93	4129258.41	0.000	0.001	0.001	0.00196
595867.02	4129258.41	0.000	0.001	0.001	0.00186
595891.11	4129258.41	0.000	0.001	0.001	0.00177
595915.2	4129258.41	0.000	0.001	0.001	0.00169
595939.29	4129258.41	0.000	0.001	0.001	0.00161
595770.66	4129298.82	0.001	0.001	0.001	0.00226
595794.75	4129298.82	0.000	0.001	0.001	0.00213
595818.84	4129298.82	0.000	0.001	0.001	0.00201
595842.93	4129298.82	0.000	0.001	0.001	0.00191
595867.02	4129298.82	0.000	0.001	0.001	0.00181
595891.11	4129298.82	0.000	0.001	0.001	0.00172
595915.2	4129298.82	0.000	0.001	0.001	0.00164
595939.29	4129298.82	0.000	0.001	0.001	0.00156
595957.02	4129258.56	0.000	0.001	0.001	0.00155
596003.21	4129258.56	0.000	0.001	0.001	0.00142
595957.02	4129289.71	0.000	0.001	0.001	0.00152
596003.21	4129289.71	0.000	0.001	0.001	0.00139
595957.02	4129320.86	0.000	0.001	0.001	0.00147
596003.21	4129320.86	0.000	0.001	0.000	0.00135
595957.02	4129352.01	0.000	0.001	0.001	0.00141
596003.21	4129352.01	0.000	0.001	0.000	0.00130
595780.89	4129328.94	0.000	0.001	0.001	0.00216



595811.48	4129328.94	0.000	0.001	0.001	0.00200
595842.07	4129328.94	0.000	0.001	0.001	0.00185
595872.66	4129328.94	0.000	0.001	0.001	0.00173
595903.25	4129328.94	0.000	0.001	0.001	0.00162
595933.84	4129328.94	0.000	0.001	0.001	0.00152
595780.89	4129353.44	0.000	0.001	0.001	0.00212
595811.48	4129353.44	0.000	0.001	0.001	0.00194
595842.07	4129353.44	0.000	0.001	0.001	0.00179
595872.66	4129353.44	0.000	0.001	0.001	0.00167
595903.25	4129353.44	0.000	0.001	0.001	0.00156
595933.84	4129353.44	0.000	0.001	0.001	0.00147
595780.89	4129377.94	0.000	0.001	0.001	0.00207
595811.48	4129377.94	0.000	0.001	0.001	0.00188
595842.07	4129377.94	0.000	0.001	0.001	0.00172
595872.66	4129377.94	0.000	0.001	0.001	0.00159
595903.25	4129377.94	0.000	0.001	0.001	0.00149
595933.84	4129377.94	0.000	0.001	0.001	0.00140
595780.89	4129402.44	0.000	0.001	0.001	0.00200
595811.48	4129402.44	0.000	0.001	0.001	0.00180
595842.07	4129402.44	0.000	0.001	0.001	0.00164
595872.66	4129402.44	0.000	0.001	0.001	0.00151
595903.25	4129402.44	0.000	0.001	0.001	0.00141
595933.84	4129402.44	0.000	0.001	0.000	0.00134
595780.89	4129426.94	0.000	0.001	0.001	0.00191
595811.48	4129426.94	0.000	0.001	0.001	0.00170
595842.07	4129426.94	0.000	0.001	0.001	0.00154
595872.66	4129426.94	0.000	0.001	0.001	0.00142
595903.25	4129426.94	0.000	0.001	0.000	0.00133
595933.84	4129426.94	0.000	0.001	0.000	0.00126
595780.89	4129451.44	0.000	0.001	0.001	0.00179
595811.48	4129451.44	0.000	0.001	0.001	0.00159
595842.07	4129451.44	0.000	0.001	0.001	0.00144
595872.66	4129451.44	0.000	0.001	0.000	0.00134
595903.25	4129451.44	0.000	0.001	0.000	0.00125
595933.84	4129451.44	0.000	0.000	0.000	0.00119
595780.89	4129475.94	0.000	0.001	0.001	0.00166
595811.48	4129475.94	0.000	0.001	0.001	0.00148
595842.07	4129475.94	0.000	0.001	0.000	0.00135
595872.66	4129475.94	0.000	0.001	0.000	0.00125
595903.25	4129475.94	0.000	0.000	0.000	0.00118
595933.84	4129475.94	0.000	0.000	0.000	0.00112
595642.77	4129286.53	0.001	0.001	0.001	0.00321

595677.31	4129286.53	0.001	0.001	0.001	0.00290
595711.85	4129286.53	0.001	0.001	0.001	0.00264
595746.39	4129286.53	0.001	0.001	0.001	0.00241
595642.77	4129336.29	0.001	0.001	0.001	0.00346
595677.31	4129336.29	0.001	0.001	0.001	0.00302
595711.85	4129336.29	0.001	0.001	0.001	0.00267
595746.39	4129336.29	0.001	0.001	0.001	0.00238
595642.77	4129386.05	0.001	0.002	0.001	0.00389
595677.31	4129386.05	0.001	0.001	0.001	0.00322
595711.85	4129386.05	0.001	0.001	0.001	0.00272
595746.39	4129386.05	0.001	0.001	0.001	0.00234
595642.77	4129435.81	0.001	0.002	0.002	0.00456
595677.31	4129435.81	0.001	0.001	0.001	0.00345
595711.85	4129435.81	0.001	0.001	0.001	0.00271
595746.39	4129435.81	0.001	0.001	0.001	0.00221
595642.77	4129485.57	0.001	0.002	0.002	0.00532
595677.31	4129485.57	0.001	0.001	0.001	0.00329
595711.85	4129485.57	0.001	0.001	0.001	0.00237
595746.39	4129485.57	0.000	0.001	0.001	0.00189
595788.1	4129524.74	0.000	0.001	0.000	0.00137
595814.56	4129524.74	0.000	0.001	0.000	0.00127
595841.02	4129524.74	0.000	0.000	0.000	0.00119
595867.48	4129524.74	0.000	0.000	0.000	0.00113
595893.94	4129524.74	0.000	0.000	0.000	0.00107
595920.4	4129524.74	0.000	0.000	0.000	0.00103
595946.86	4129524.74	0.000	0.000	0.000	0.00099
595973.32	4129524.74	0.000	0.000	0.000	0.00096
595999.78	4129524.74	0.000	0.000	0.000	0.00094
595788.1	4129556.46	0.000	0.001	0.000	0.00127
595814.56	4129556.46	0.000	0.000	0.000	0.00119
595841.02	4129556.46	0.000	0.000	0.000	0.00112
595867.48	4129556.46	0.000	0.000	0.000	0.00106
595893.94	4129556.46	0.000	0.000	0.000	0.00101
595920.4	4129556.46	0.000	0.000	0.000	0.00097
595946.86	4129556.46	0.000	0.000	0.000	0.00094
595973.32	4129556.46	0.000	0.000	0.000	0.00091
595999.78	4129556.46	0.000	0.000	0.000	0.00089
595788.1	4129588.18	0.000	0.001	0.000	0.00120
595814.56	4129588.18	0.000	0.000	0.000	0.00113
595841.02	4129588.18	0.000	0.000	0.000	0.00107
595867.48	4129588.18	0.000	0.000	0.000	0.00102
595893.94	4129588.18	0.000	0.000	0.000	0.00097

595920.4	4129588.18	0.000	0.000	0.000	0.00093
595946.86	4129588.18	0.000	0.000	0.000	0.00090
595973.32	4129588.18	0.000	0.000	0.000	0.00087
595999.78	4129588.18	0.000	0.000	0.000	0.00084
595788.1	4129619.9	0.000	0.000	0.000	0.00116
595814.56	4129619.9	0.000	0.000	0.000	0.00110
595841.02	4129619.9	0.000	0.000	0.000	0.00104
595867.48	4129619.9	0.000	0.000	0.000	0.00099
595893.94	4129619.9	0.000	0.000	0.000	0.00095
595920.4	4129619.9	0.000	0.000	0.000	0.00091
595946.86	4129619.9	0.000	0.000	0.000	0.00087
595973.32	4129619.9	0.000	0.000	0.000	0.00084
595999.78	4129619.9	0.000	0.000	0.000	0.00081
595788.1	4129651.62	0.000	0.000	0.000	0.00112
595814.56	4129651.62	0.000	0.000	0.000	0.00107
595841.02	4129651.62	0.000	0.000	0.000	0.00102
595867.48	4129651.62	0.000	0.000	0.000	0.00097
595893.94	4129651.62	0.000	0.000	0.000	0.00093
595920.4	4129651.62	0.000	0.000	0.000	0.00089
595946.86	4129651.62	0.000	0.000	0.000	0.00085
595973.32	4129651.62	0.000	0.000	0.000	0.00082
595999.78	4129651.62	0.000	0.000	0.000	0.00079
595788.1	4129683.34	0.000	0.000	0.000	0.00109
595814.56	4129683.34	0.000	0.000	0.000	0.00104
595841.02	4129683.34	0.000	0.000	0.000	0.00100
595867.48	4129683.34	0.000	0.000	0.000	0.00095
595893.94	4129683.34	0.000	0.000	0.000	0.00091
595920.4	4129683.34	0.000	0.000	0.000	0.00087
595946.86	4129683.34	0.000	0.000	0.000	0.00084
595973.32	4129683.34	0.000	0.000	0.000	0.00081
595999.78	4129683.34	0.000	0.000	0.000	0.00078
593920.79	4128960.54	0.002	0.003	0.003	0.00754
593955.22	4128960.54	0.002	0.003	0.003	0.00824
593989.65	4128960.54	0.002	0.004	0.003	0.00902
594024.08	4128960.54	0.002	0.004	0.004	0.00990
594058.51	4128960.54	0.002	0.005	0.004	0.01090
594092.94	4128960.54	0.003	0.005	0.004	0.01203
594127.37	4128960.54	0.003	0.006	0.005	0.01332
594161.8	4128960.54	0.003	0.006	0.005	0.01478
594196.23	4128960.54	0.003	0.007	0.006	0.01644
594230.66	4128960.54	0.004	0.008	0.007	0.01833
594265.09	4128960.54	0.004	0.009	0.008	0.02048

594299.52	4128960.54	0.005	0.010	0.008	0.02290
593920.79	4128979.2	0.002	0.003	0.003	0.00770
593955.22	4128979.2	0.002	0.004	0.003	0.00839
593989.65	4128979.2	0.002	0.004	0.003	0.00917
594024.08	4128979.2	0.002	0.004	0.004	0.01004
594058.51	4128979.2	0.002	0.005	0.004	0.01102
594092.94	4128979.2	0.003	0.005	0.004	0.01213
594127.37	4128979.2	0.003	0.006	0.005	0.01339
594161.8	4128979.2	0.003	0.006	0.005	0.01480
594196.23	4128979.2	0.003	0.007	0.006	0.01640
594230.66	4128979.2	0.004	0.008	0.007	0.01819
594265.09	4128979.2	0.004	0.009	0.007	0.02019
594299.52	4128979.2	0.005	0.010	0.008	0.02242
593920.79	4128997.86	0.002	0.003	0.003	0.00783
593955.22	4128997.86	0.002	0.004	0.003	0.00852
593989.65	4128997.86	0.002	0.004	0.003	0.00928
594024.08	4128997.86	0.002	0.004	0.004	0.01015
594058.51	4128997.86	0.002	0.005	0.004	0.01111
594092.94	4128997.86	0.003	0.005	0.004	0.01219
594127.37	4128997.86	0.003	0.006	0.005	0.01340
594161.8	4128997.86	0.003	0.006	0.005	0.01475
594196.23	4128997.86	0.003	0.007	0.006	0.01627
594230.66	4128997.86	0.004	0.008	0.007	0.01794
594265.09	4128997.86	0.004	0.008	0.007	0.01980
594299.52	4128997.86	0.005	0.009	0.008	0.02184
593920.79	4129016.52	0.002	0.003	0.003	0.00793
593955.22	4129016.52	0.002	0.004	0.003	0.00862
593989.65	4129016.52	0.002	0.004	0.003	0.00937
594024.08	4129016.52	0.002	0.004	0.004	0.01021
594058.51	4129016.52	0.002	0.005	0.004	0.01115
594092.94	4129016.52	0.003	0.005	0.004	0.01220
594127.37	4129016.52	0.003	0.006	0.005	0.01336
594161.8	4129016.52	0.003	0.006	0.005	0.01465
594196.23	4129016.52	0.003	0.007	0.006	0.01607
594230.66	4129016.52	0.004	0.007	0.006	0.01763
594265.09	4129016.52	0.004	0.008	0.007	0.01934
594299.52	4129016.52	0.004	0.009	0.008	0.02117
593920.79	4129035.18	0.002	0.003	0.003	0.00802
593955.22	4129035.18	0.002	0.004	0.003	0.00869
593989.65	4129035.18	0.002	0.004	0.003	0.00943
594024.08	4129035.18	0.002	0.004	0.004	0.01025
594058.51	4129035.18	0.002	0.005	0.004	0.01116

594092.94	4129035.18	0.003	0.005	0.004	0.01216
594127.37	4129035.18	0.003	0.006	0.005	0.01326
594161.8	4129035.18	0.003	0.006	0.005	0.01448
594196.23	4129035.18	0.003	0.007	0.006	0.01581
594230.66	4129035.18	0.004	0.007	0.006	0.01725
594265.09	4129035.18	0.004	0.008	0.007	0.01880
594299.52	4129035.18	0.004	0.009	0.008	0.02044
593920.79	4129053.84	0.002	0.003	0.003	0.00808
593955.22	4129053.84	0.002	0.004	0.003	0.00873
593989.65	4129053.84	0.002	0.004	0.003	0.00945
594024.08	4129053.84	0.002	0.004	0.004	0.01025
594058.51	4129053.84	0.002	0.005	0.004	0.01112
594092.94	4129053.84	0.003	0.005	0.004	0.01207
594127.37	4129053.84	0.003	0.006	0.005	0.01312
594161.8	4129053.84	0.003	0.006	0.005	0.01426
594196.23	4129053.84	0.003	0.007	0.006	0.01549
594230.66	4129053.84	0.003	0.007	0.006	0.01682
594265.09	4129053.84	0.004	0.008	0.007	0.01822
594299.52	4129053.84	0.004	0.008	0.007	0.01967
593920.79	4129072.5	0.002	0.003	0.003	0.00812
593955.22	4129072.5	0.002	0.004	0.003	0.00875
593989.65	4129072.5	0.002	0.004	0.003	0.00945
594024.08	4129072.5	0.002	0.004	0.004	0.01021
594058.51	4129072.5	0.002	0.005	0.004	0.01105
594092.94	4129072.5	0.002	0.005	0.004	0.01195
594127.37	4129072.5	0.003	0.005	0.005	0.01294
594161.8	4129072.5	0.003	0.006	0.005	0.01400
594196.23	4129072.5	0.003	0.006	0.006	0.01514
594230.66	4129072.5	0.003	0.007	0.006	0.01634
594265.09	4129072.5	0.004	0.007	0.006	0.01759
594299.52	4129072.5	0.004	0.008	0.007	0.01887
593920.79	4129091.16	0.002	0.003	0.003	0.00813
593955.22	4129091.16	0.002	0.004	0.003	0.00875
593989.65	4129091.16	0.002	0.004	0.003	0.00942
594024.08	4129091.16	0.002	0.004	0.004	0.01015
594058.51	4129091.16	0.002	0.005	0.004	0.01094
594092.94	4129091.16	0.002	0.005	0.004	0.01180
594127.37	4129091.16	0.003	0.005	0.005	0.01272
594161.8	4129091.16	0.003	0.006	0.005	0.01371
594196.23	4129091.16	0.003	0.006	0.005	0.01475
594230.66	4129091.16	0.003	0.007	0.006	0.01583
594265.09	4129091.16	0.004	0.007	0.006	0.01694

594299.52	4129091.16	0.004	0.008	0.007	0.01805
593920.79	4129109.82	0.002	0.003	0.003	0.00813
593955.22	4129109.82	0.002	0.004	0.003	0.00872
593989.65	4129109.82	0.002	0.004	0.003	0.00936
594024.08	4129109.82	0.002	0.004	0.004	0.01006
594058.51	4129109.82	0.002	0.005	0.004	0.01081
594092.94	4129109.82	0.002	0.005	0.004	0.01162
594127.37	4129109.82	0.003	0.005	0.005	0.01247
594161.8	4129109.82	0.003	0.006	0.005	0.01338
594196.23	4129109.82	0.003	0.006	0.005	0.01433
594230.66	4129109.82	0.003	0.006	0.006	0.01530
594265.09	4129109.82	0.003	0.007	0.006	0.01627
594299.52	4129109.82	0.004	0.007	0.006	0.01723
593920.79	4129128.48	0.002	0.003	0.003	0.00810
593955.22	4129128.48	0.002	0.004	0.003	0.00867
593989.65	4129128.48	0.002	0.004	0.003	0.00928
594024.08	4129128.48	0.002	0.004	0.004	0.00994
594058.51	4129128.48	0.002	0.005	0.004	0.01065
594092.94	4129128.48	0.002	0.005	0.004	0.01141
594127.37	4129128.48	0.003	0.005	0.004	0.01220
594161.8	4129128.48	0.003	0.006	0.005	0.01303
594196.23	4129128.48	0.003	0.006	0.005	0.01389
594230.66	4129128.48	0.003	0.006	0.005	0.01475
594265.09	4129128.48	0.003	0.007	0.006	0.01560
594299.52	4129128.48	0.003	0.007	0.006	0.01641
594246.14	4128630.32	0.002	0.004	0.003	0.00941
594272.5	4128630.32	0.002	0.004	0.004	0.01035
594298.86	4128630.32	0.002	0.005	0.004	0.01145
594325.22	4128630.32	0.003	0.005	0.005	0.01275
594351.58	4128630.32	0.003	0.006	0.005	0.01430
594377.94	4128630.32	0.003	0.007	0.006	0.01618
594404.3	4128630.32	0.004	0.008	0.007	0.01849
594430.66	4128630.32	0.004	0.009	0.008	0.02135
594246.14	4128664.43	0.002	0.005	0.004	0.01075
594272.5	4128664.43	0.002	0.005	0.004	0.01190
594298.86	4128664.43	0.003	0.006	0.005	0.01327
594325.22	4128664.43	0.003	0.006	0.005	0.01490
594351.58	4128664.43	0.004	0.007	0.006	0.01686
594377.94	4128664.43	0.004	0.008	0.007	0.01924
594404.3	4128664.43	0.005	0.009	0.008	0.02219
594430.66	4128664.43	0.005	0.011	0.010	0.02593
594246.14	4128698.54	0.003	0.005	0.004	0.01222

594272.5	4128698.54	0.003	0.006	0.005	0.01360
594298.86	4128698.54	0.003	0.006	0.006	0.01524
594325.22	4128698.54	0.004	0.007	0.006	0.01721
594351.58	4128698.54	0.004	0.008	0.007	0.01961
594377.94	4128698.54	0.005	0.010	0.008	0.02252
594404.3	4128698.54	0.005	0.011	0.010	0.02612
594430.66	4128698.54	0.006	0.013	0.011	0.03067
594246.14	4128732.65	0.003	0.006	0.005	0.01372
594272.5	4128732.65	0.003	0.006	0.006	0.01534
594298.86	4128732.65	0.004	0.007	0.006	0.01725
594325.22	4128732.65	0.004	0.008	0.007	0.01954
594351.58	4128732.65	0.005	0.009	0.008	0.02232
594377.94	4128732.65	0.005	0.011	0.009	0.02572
594404.3	4128732.65	0.006	0.013	0.011	0.02988
594430.66	4128732.65	0.007	0.015	0.013	0.03508
594246.14	4128766.76	0.003	0.006	0.006	0.01522
594272.5	4128766.76	0.004	0.007	0.006	0.01704
594298.86	4128766.76	0.004	0.008	0.007	0.01919
594325.22	4128766.76	0.005	0.009	0.008	0.02175
594351.58	4128766.76	0.005	0.011	0.009	0.02485
594377.94	4128766.76	0.006	0.012	0.011	0.02857
594404.3	4128766.76	0.007	0.014	0.012	0.03312
594430.66	4128766.76	0.008	0.016	0.014	0.03873
594246.14	4128800.87	0.003	0.007	0.006	0.01659
594272.5	4128800.87	0.004	0.008	0.007	0.01857
594298.86	4128800.87	0.004	0.009	0.008	0.02089
594325.22	4128800.87	0.005	0.010	0.009	0.02364
594351.58	4128800.87	0.006	0.011	0.010	0.02690
594377.94	4128800.87	0.006	0.013	0.011	0.03081
594404.3	4128800.87	0.007	0.015	0.013	0.03553
594430.66	4128800.87	0.009	0.017	0.015	0.04127
594246.14	4128834.98	0.004	0.008	0.007	0.01778
594272.5	4128834.98	0.004	0.008	0.007	0.01984
594298.86	4128834.98	0.005	0.009	0.008	0.02224
594325.22	4128834.98	0.005	0.011	0.009	0.02505
594351.58	4128834.98	0.006	0.012	0.010	0.02834
594377.94	4128834.98	0.007	0.014	0.012	0.03223
594404.3	4128834.98	0.008	0.016	0.014	0.03685
594430.66	4128834.98	0.009	0.018	0.016	0.04237
594246.14	4128869.09	0.004	0.008	0.007	0.01868
594272.5	4128869.09	0.004	0.009	0.008	0.02075
594298.86	4128869.09	0.005	0.010	0.009	0.02313

594325.22	4128869.09	0.005	0.011	0.010	0.02587
594351.58	4128869.09	0.006	0.012	0.011	0.02903
594377.94	4128869.09	0.007	0.014	0.012	0.03270
594404.3	4128869.09	0.008	0.016	0.014	0.03695
594430.66	4128869.09	0.009	0.018	0.015	0.04189
594246.14	4128903.2	0.004	0.008	0.007	0.01923
594272.5	4128903.2	0.004	0.009	0.008	0.02122
594298.86	4128903.2	0.005	0.010	0.009	0.02347
594325.22	4128903.2	0.005	0.011	0.010	0.02602
594351.58	4128903.2	0.006	0.012	0.011	0.02891
594377.94	4128903.2	0.007	0.014	0.012	0.03218
594404.3	4128903.2	0.007	0.015	0.013	0.03586
594430.66	4128903.2	0.008	0.017	0.015	0.03999
594246.14	4128937.31	0.004	0.008	0.007	0.01938
594272.5	4128937.31	0.004	0.009	0.008	0.02122
594298.86	4128937.31	0.005	0.010	0.009	0.02327
594325.22	4128937.31	0.005	0.011	0.009	0.02554
594351.58	4128937.31	0.006	0.012	0.010	0.02805
594377.94	4128937.31	0.006	0.013	0.011	0.03081
594404.3	4128937.31	0.007	0.014	0.012	0.03381
594430.66	4128937.31	0.008	0.016	0.014	0.03706
594242.73	4128487.55	0.001	0.002	0.002	0.00539
594265.81	4128487.55	0.001	0.002	0.002	0.00568
594288.89	4128487.55	0.001	0.003	0.002	0.00599
594311.97	4128487.55	0.001	0.003	0.002	0.00633
594335.05	4128487.55	0.001	0.003	0.002	0.00670
594358.13	4128487.55	0.002	0.003	0.003	0.00712
594381.21	4128487.55	0.002	0.003	0.003	0.00756
594404.29	4128487.55	0.002	0.003	0.003	0.00806
594427.37	4128487.55	0.002	0.004	0.003	0.00860
594450.45	4128487.55	0.002	0.004	0.003	0.00920
594473.53	4128487.55	0.002	0.004	0.004	0.00990
594242.73	4128510.84	0.001	0.002	0.002	0.00586
594265.81	4128510.84	0.001	0.003	0.002	0.00620
594288.89	4128510.84	0.001	0.003	0.002	0.00658
594311.97	4128510.84	0.001	0.003	0.003	0.00700
594335.05	4128510.84	0.002	0.003	0.003	0.00746
594358.13	4128510.84	0.002	0.003	0.003	0.00797
594381.21	4128510.84	0.002	0.004	0.003	0.00854
594404.29	4128510.84	0.002	0.004	0.003	0.00918
594427.37	4128510.84	0.002	0.004	0.004	0.00989
594450.45	4128510.84	0.002	0.005	0.004	0.01071



594473.53	4128510.84	0.002	0.005	0.004	0.01166
594242.73	4128534.13	0.001	0.003	0.002	0.00639
594265.81	4128534.13	0.001	0.003	0.002	0.00680
594288.89	4128534.13	0.002	0.003	0.003	0.00725
594311.97	4128534.13	0.002	0.003	0.003	0.00776
594335.05	4128534.13	0.002	0.004	0.003	0.00833
594358.13	4128534.13	0.002	0.004	0.003	0.00896
594381.21	4128534.13	0.002	0.004	0.004	0.00968
594404.29	4128534.13	0.002	0.004	0.004	0.01049
594427.37	4128534.13	0.002	0.005	0.004	0.01144
594450.45	4128534.13	0.003	0.005	0.005	0.01254
594473.53	4128534.13	0.003	0.006	0.005	0.01382
594242.73	4128557.42	0.001	0.003	0.003	0.00698
594265.81	4128557.42	0.002	0.003	0.003	0.00746
594288.89	4128557.42	0.002	0.003	0.003	0.00801
594311.97	4128557.42	0.002	0.004	0.003	0.00862
594335.05	4128557.42	0.002	0.004	0.003	0.00931
594358.13	4128557.42	0.002	0.004	0.004	0.01010
594381.21	4128557.42	0.002	0.005	0.004	0.01100
594404.29	4128557.42	0.003	0.005	0.004	0.01204
594427.37	4128557.42	0.003	0.006	0.005	0.01326
594450.45	4128557.42	0.003	0.006	0.005	0.01472
594473.53	4128557.42	0.003	0.007	0.006	0.01645
594242.73	4128580.71	0.002	0.003	0.003	0.00764
594265.81	4128580.71	0.002	0.003	0.003	0.00821
594288.89	4128580.71	0.002	0.004	0.003	0.00886
594311.97	4128580.71	0.002	0.004	0.004	0.00959
594335.05	4128580.71	0.002	0.004	0.004	0.01043
594358.13	4128580.71	0.002	0.005	0.004	0.01139
594381.21	4128580.71	0.003	0.005	0.005	0.01251
594404.29	4128580.71	0.003	0.006	0.005	0.01383
594427.37	4128580.71	0.003	0.007	0.006	0.01540
594450.45	4128580.71	0.004	0.007	0.006	0.01729
594473.53	4128580.71	0.004	0.008	0.007	0.01963
594276.7	4128388.72	0.001	0.002	0.001	0.00411
594305.04	4128388.72	0.001	0.002	0.002	0.00428
594333.38	4128388.72	0.001	0.002	0.002	0.00446
594361.72	4128388.72	0.001	0.002	0.002	0.00464
594390.06	4128388.72	0.001	0.002	0.002	0.00484
594418.4	4128388.72	0.001	0.002	0.002	0.00505
594276.7	4128417	0.001	0.002	0.002	0.00451
594305.04	4128417	0.001	0.002	0.002	0.00473

594333.38	4128417	0.001	0.002	0.002	0.00496
594361.72	4128417	0.001	0.002	0.002	0.00521
594390.06	4128417	0.001	0.002	0.002	0.00547
594418.4	4128417	0.001	0.002	0.002	0.00576
594276.7	4128445.28	0.001	0.002	0.002	0.00497
594305.04	4128445.28	0.001	0.002	0.002	0.00525
594333.38	4128445.28	0.001	0.002	0.002	0.00556
594361.72	4128445.28	0.001	0.002	0.002	0.00589
594390.06	4128445.28	0.001	0.003	0.002	0.00625
594418.4	4128445.28	0.001	0.003	0.002	0.00665
594276.7	4128473.56	0.001	0.002	0.002	0.00552
594305.04	4128473.56	0.001	0.002	0.002	0.00587
594333.38	4128473.56	0.001	0.003	0.002	0.00627
594361.72	4128473.56	0.001	0.003	0.002	0.00672
594390.06	4128473.56	0.002	0.003	0.003	0.00720
594418.4	4128473.56	0.002	0.003	0.003	0.00774
594019.56	4128351.99	0.001	0.001	0.001	0.00266
594057.87	4128351.99	0.001	0.001	0.001	0.00280
594096.18	4128351.99	0.001	0.001	0.001	0.00295
594134.49	4128351.99	0.001	0.001	0.001	0.00310
594172.8	4128351.99	0.001	0.001	0.001	0.00325
594211.11	4128351.99	0.001	0.001	0.001	0.00340
594019.56	4128372.85	0.001	0.001	0.001	0.00275
594057.87	4128372.85	0.001	0.001	0.001	0.00290
594096.18	4128372.85	0.001	0.001	0.001	0.00306
594134.49	4128372.85	0.001	0.001	0.001	0.00323
594172.8	4128372.85	0.001	0.001	0.001	0.00341
594211.11	4128372.85	0.001	0.002	0.001	0.00358
594019.56	4128393.71	0.001	0.001	0.001	0.00285
594057.87	4128393.71	0.001	0.001	0.001	0.00301
594096.18	4128393.71	0.001	0.001	0.001	0.00319
594134.49	4128393.71	0.001	0.001	0.001	0.00338
594172.8	4128393.71	0.001	0.002	0.001	0.00358
594211.11	4128393.71	0.001	0.002	0.001	0.00379
594019.56	4128414.57	0.001	0.001	0.001	0.00295
594057.87	4128414.57	0.001	0.001	0.001	0.00314
594096.18	4128414.57	0.001	0.001	0.001	0.00334
594134.49	4128414.57	0.001	0.001	0.001	0.00355
594172.8	4128414.57	0.001	0.002	0.001	0.00377
594211.11	4128414.57	0.001	0.002	0.001	0.00402
594019.56	4128435.43	0.001	0.001	0.001	0.00307
594057.87	4128435.43	0.001	0.001	0.001	0.00327

594096.18	4128435.43	0.001	0.001	0.001	0.00349
594134.49	4128435.43	0.001	0.002	0.001	0.00373
594172.8	4128435.43	0.001	0.002	0.001	0.00399
594211.11	4128435.43	0.001	0.002	0.002	0.00427
594019.56	4128456.29	0.001	0.001	0.001	0.00320
594057.87	4128456.29	0.001	0.001	0.001	0.00342
594096.18	4128456.29	0.001	0.002	0.001	0.00367
594134.49	4128456.29	0.001	0.002	0.001	0.00393
594172.8	4128456.29	0.001	0.002	0.002	0.00423
594211.11	4128456.29	0.001	0.002	0.002	0.00455
594019.56	4128477.15	0.001	0.001	0.001	0.00335
594057.87	4128477.15	0.001	0.002	0.001	0.00359
594096.18	4128477.15	0.001	0.002	0.001	0.00386
594134.49	4128477.15	0.001	0.002	0.002	0.00416
594172.8	4128477.15	0.001	0.002	0.002	0.00449
594211.11	4128477.15	0.001	0.002	0.002	0.00486
594019.56	4128498.01	0.001	0.001	0.001	0.00351
594057.87	4128498.01	0.001	0.002	0.001	0.00378
594096.18	4128498.01	0.001	0.002	0.001	0.00407
594134.49	4128498.01	0.001	0.002	0.002	0.00441
594172.8	4128498.01	0.001	0.002	0.002	0.00479
594211.11	4128498.01	0.001	0.002	0.002	0.00521
593932.1	4128545.28	0.001	0.001	0.001	0.00333
593958.16	4128545.28	0.001	0.001	0.001	0.00350
593984.22	4128545.28	0.001	0.002	0.001	0.00367
594010.28	4128545.28	0.001	0.002	0.001	0.00387
594036.34	4128545.28	0.001	0.002	0.001	0.00408
594062.4	4128545.28	0.001	0.002	0.002	0.00431
594088.46	4128545.28	0.001	0.002	0.002	0.00456
594114.52	4128545.28	0.001	0.002	0.002	0.00484
594140.58	4128545.28	0.001	0.002	0.002	0.00514
594166.64	4128545.28	0.001	0.002	0.002	0.00547
594192.7	4128545.28	0.001	0.002	0.002	0.00584
593932.1	4128616.57	0.001	0.002	0.001	0.00392
593958.16	4128616.57	0.001	0.002	0.002	0.00414
593984.22	4128616.57	0.001	0.002	0.002	0.00438
594010.28	4128616.57	0.001	0.002	0.002	0.00464
594036.34	4128616.57	0.001	0.002	0.002	0.00493
594062.4	4128616.57	0.001	0.002	0.002	0.00525
594088.46	4128616.57	0.001	0.002	0.002	0.00561
594114.52	4128616.57	0.001	0.003	0.002	0.00601
594140.58	4128616.57	0.001	0.003	0.002	0.00645

594166.64	4128616.57	0.001	0.003	0.003	0.00694
594192.7	4128616.57	0.002	0.003	0.003	0.00750
593932.1	4128687.86	0.001	0.002	0.002	0.00460
593958.16	4128687.86	0.001	0.002	0.002	0.00489
593984.22	4128687.86	0.001	0.002	0.002	0.00522
594010.28	4128687.86	0.001	0.002	0.002	0.00557
594036.34	4128687.86	0.001	0.003	0.002	0.00597
594062.4	4128687.86	0.001	0.003	0.002	0.00641
594088.46	4128687.86	0.001	0.003	0.003	0.00691
594114.52	4128687.86	0.002	0.003	0.003	0.00747
594140.58	4128687.86	0.002	0.003	0.003	0.00809
594166.64	4128687.86	0.002	0.004	0.003	0.00881
594192.7	4128687.86	0.002	0.004	0.004	0.00963
593920.36	4128705.8	0.001	0.002	0.002	0.00466
593960.05	4128705.8	0.001	0.002	0.002	0.00513
593999.74	4128705.8	0.001	0.002	0.002	0.00567
594039.43	4128705.8	0.001	0.003	0.002	0.00631
594079.12	4128705.8	0.001	0.003	0.003	0.00707
594118.81	4128705.8	0.002	0.003	0.003	0.00797
594158.5	4128705.8	0.002	0.004	0.003	0.00908
594198.19	4128705.8	0.002	0.004	0.004	0.01044
593920.36	4128732.44	0.001	0.002	0.002	0.00494
593960.05	4128732.44	0.001	0.002	0.002	0.00545
593999.74	4128732.44	0.001	0.003	0.002	0.00605
594039.43	4128732.44	0.001	0.003	0.002	0.00676
594079.12	4128732.44	0.002	0.003	0.003	0.00759
594118.81	4128732.44	0.002	0.004	0.003	0.00861
594158.5	4128732.44	0.002	0.004	0.004	0.00983
594198.19	4128732.44	0.002	0.005	0.004	0.01135
593920.36	4128759.08	0.001	0.002	0.002	0.00523
593960.05	4128759.08	0.001	0.002	0.002	0.00580
593999.74	4128759.08	0.001	0.003	0.002	0.00645
594039.43	4128759.08	0.002	0.003	0.003	0.00723
594079.12	4128759.08	0.002	0.003	0.003	0.00815
594118.81	4128759.08	0.002	0.004	0.003	0.00926
594158.5	4128759.08	0.002	0.004	0.004	0.01061
594198.19	4128759.08	0.003	0.005	0.005	0.01229
593920.36	4128785.72	0.001	0.002	0.002	0.00554
593960.05	4128785.72	0.001	0.003	0.002	0.00615
593999.74	4128785.72	0.001	0.003	0.003	0.00686
594039.43	4128785.72	0.002	0.003	0.003	0.00771
594079.12	4128785.72	0.002	0.004	0.003	0.00871

594118.81	4128785.72	0.002	0.004	0.004	0.00992
594158.5	4128785.72	0.002	0.005	0.004	0.01139
594198.19	4128785.72	0.003	0.006	0.005	0.01320
593920.36	4128812.36	0.001	0.002	0.002	0.00587
593960.05	4128812.36	0.001	0.003	0.002	0.00652
593999.74	4128812.36	0.002	0.003	0.003	0.00729
594039.43	4128812.36	0.002	0.003	0.003	0.00819
594079.12	4128812.36	0.002	0.004	0.003	0.00926
594118.81	4128812.36	0.002	0.004	0.004	0.01056
594158.5	4128812.36	0.003	0.005	0.004	0.01213
594198.19	4128812.36	0.003	0.006	0.005	0.01406
593920.36	4128839	0.001	0.003	0.002	0.00620
593960.05	4128839	0.001	0.003	0.003	0.00689
593999.74	4128839	0.002	0.003	0.003	0.00770
594039.43	4128839	0.002	0.004	0.003	0.00866
594079.12	4128839	0.002	0.004	0.004	0.00980
594118.81	4128839	0.002	0.005	0.004	0.01117
594158.5	4128839	0.003	0.005	0.005	0.01282
594198.19	4128839	0.003	0.006	0.005	0.01484
593920.36	4128865.64	0.001	0.003	0.002	0.00652
593960.05	4128865.64	0.002	0.003	0.003	0.00725
593999.74	4128865.64	0.002	0.003	0.003	0.00811
594039.43	4128865.64	0.002	0.004	0.003	0.00911
594079.12	4128865.64	0.002	0.004	0.004	0.01030
594118.81	4128865.64	0.002	0.005	0.004	0.01173
594158.5	4128865.64	0.003	0.006	0.005	0.01343
594198.19	4128865.64	0.003	0.007	0.006	0.01550
593920.36	4128892.28	0.001	0.003	0.003	0.00684
593960.05	4128892.28	0.002	0.003	0.003	0.00760
593999.74	4128892.28	0.002	0.004	0.003	0.00849
594039.43	4128892.28	0.002	0.004	0.004	0.00953
594079.12	4128892.28	0.002	0.005	0.004	0.01076
594118.81	4128892.28	0.003	0.005	0.004	0.01221
594158.5	4128892.28	0.003	0.006	0.005	0.01394
594198.19	4128892.28	0.003	0.007	0.006	0.01601
593920.36	4128918.92	0.001	0.003	0.003	0.00713
593960.05	4128918.92	0.002	0.003	0.003	0.00792
593999.74	4128918.92	0.002	0.004	0.003	0.00883
594039.43	4128918.92	0.002	0.004	0.004	0.00989
594079.12	4128918.92	0.002	0.005	0.004	0.01113
594118.81	4128918.92	0.003	0.005	0.005	0.01259
594158.5	4128918.92	0.003	0.006	0.005	0.01432

594198.19	4128918.92	0.003	0.007	0.006	0.01636
593920.36	4128945.56	0.002	0.003	0.003	0.00740
593960.05	4128945.56	0.002	0.003	0.003	0.00820
593999.74	4128945.56	0.002	0.004	0.003	0.00912
594039.43	4128945.56	0.002	0.004	0.004	0.01019
594079.12	4128945.56	0.002	0.005	0.004	0.01143
594118.81	4128945.56	0.003	0.005	0.005	0.01287
594158.5	4128945.56	0.003	0.006	0.005	0.01456
594198.19	4128945.56	0.003	0.007	0.006	0.01653
595128.75	4128512.05	0.015	0.031	0.027	0.07274
595157.74	4128512.05	0.013	0.027	0.024	0.06403
595128.75	4128529.32	0.015	0.031	0.027	0.07423
595157.74	4128529.32	0.013	0.027	0.024	0.06477
595128.75	4128546.59	0.016	0.032	0.028	0.07475
595157.74	4128546.59	0.013	0.027	0.024	0.06474
595362.46	4128329.27	0.005	0.011	0.010	0.02589
595397.07	4128329.27	0.005	0.010	0.009	0.02390
595431.68	4128329.27	0.005	0.009	0.008	0.02202
595466.29	4128329.27	0.004	0.009	0.007	0.02027
595362.46	4128386.58	0.006	0.012	0.010	0.02786
595397.07	4128386.58	0.005	0.011	0.009	0.02526
595431.68	4128386.58	0.005	0.010	0.008	0.02288
595466.29	4128386.58	0.004	0.009	0.008	0.02072
595362.46	4128443.89	0.006	0.012	0.010	0.02849
595397.07	4128443.89	0.005	0.011	0.009	0.02535
595431.68	4128443.89	0.005	0.010	0.008	0.02258
595466.29	4128443.89	0.004	0.009	0.007	0.02014
595362.46	4128501.2	0.006	0.012	0.010	0.02731
595397.07	4128501.2	0.005	0.010	0.009	0.02390
595431.68	4128501.2	0.004	0.009	0.008	0.02098
595466.29	4128501.2	0.004	0.008	0.007	0.01849
594785.72	4129528.1	0.001	0.002	0.002	0.00410
594896.78	4129528.1	0.001	0.001	0.001	0.00332
595007.84	4129528.1	0.001	0.001	0.001	0.00251
595118.9	4129528.1	0.001	0.001	0.001	0.00235
595229.96	4129528.1	0.001	0.001	0.001	0.00244
594785.72	4129568.18	0.001	0.002	0.001	0.00377
594896.78	4129568.18	0.001	0.001	0.001	0.00310
595007.84	4129568.18	0.001	0.001	0.001	0.00234
595118.9	4129568.18	0.000	0.001	0.001	0.00215
595229.96	4129568.18	0.000	0.001	0.001	0.00223
594785.72	4129608.26	0.001	0.001	0.001	0.00349

594896.78	4129608.26	0.001	0.001	0.001	0.00290
595007.84	4129608.26	0.000	0.001	0.001	0.00218
595118.9	4129608.26	0.000	0.001	0.001	0.00197
595229.96	4129608.26	0.000	0.001	0.001	0.00203
594785.72	4129648.34	0.001	0.001	0.001	0.00324
594896.78	4129648.34	0.001	0.001	0.001	0.00272
595007.84	4129648.34	0.000	0.001	0.001	0.00204
595118.9	4129648.34	0.000	0.001	0.001	0.00182
595229.96	4129648.34	0.000	0.001	0.001	0.00185
594785.72	4129688.42	0.001	0.001	0.001	0.00301
594896.78	4129688.42	0.001	0.001	0.001	0.00256
595007.84	4129688.42	0.000	0.001	0.001	0.00192
595118.9	4129688.42	0.000	0.001	0.001	0.00167
595229.96	4129688.42	0.000	0.001	0.001	0.00169
594785.72	4129728.5	0.001	0.001	0.001	0.00281
594896.78	4129728.5	0.001	0.001	0.001	0.00241
595007.84	4129728.5	0.000	0.001	0.001	0.00181
595118.9	4129728.5	0.000	0.001	0.001	0.00155
595229.96	4129728.5	0.000	0.001	0.001	0.00154
594785.72	4129768.58	0.001	0.001	0.001	0.00263
594896.78	4129768.58	0.000	0.001	0.001	0.00228
595007.84	4129768.58	0.000	0.001	0.001	0.00171
595118.9	4129768.58	0.000	0.001	0.001	0.00144
595229.96	4129768.58	0.000	0.001	0.001	0.00141
594785.72	4129808.66	0.001	0.001	0.001	0.00246
594896.78	4129808.66	0.000	0.001	0.001	0.00215
595007.84	4129808.66	0.000	0.001	0.001	0.00162
595118.9	4129808.66	0.000	0.001	0.000	0.00134
595229.96	4129808.66	0.000	0.001	0.000	0.00130
593938.13	4129525.18	0.001	0.002	0.002	0.00541
594005.94	4129525.18	0.001	0.002	0.002	0.00557
594073.75	4129525.18	0.001	0.002	0.002	0.00565
594141.56	4129525.18	0.001	0.002	0.002	0.00565
594209.37	4129525.18	0.001	0.002	0.002	0.00559
594277.18	4129525.18	0.001	0.002	0.002	0.00549
594344.99	4129525.18	0.001	0.002	0.002	0.00537
594412.8	4129525.18	0.001	0.002	0.002	0.00523
594480.61	4129525.18	0.001	0.002	0.002	0.00502
594548.42	4129525.18	0.001	0.002	0.002	0.00472
594616.23	4129525.18	0.001	0.002	0.002	0.00441
593938.13	4129583.05	0.001	0.002	0.002	0.00493
594005.94	4129583.05	0.001	0.002	0.002	0.00501

594073.75	4129583.05	0.001	0.002	0.002	0.00502
594141.56	4129583.05	0.001	0.002	0.002	0.00498
594209.37	4129583.05	0.001	0.002	0.002	0.00490
594277.18	4129583.05	0.001	0.002	0.002	0.00480
594344.99	4129583.05	0.001	0.002	0.002	0.00471
594412.8	4129583.05	0.001	0.002	0.002	0.00458
594480.61	4129583.05	0.001	0.002	0.002	0.00439
594548.42	4129583.05	0.001	0.002	0.002	0.00411
594616.23	4129583.05	0.001	0.002	0.001	0.00386
593938.13	4129640.92	0.001	0.002	0.002	0.00447
594005.94	4129640.92	0.001	0.002	0.002	0.00450
594073.75	4129640.92	0.001	0.002	0.002	0.00447
594141.56	4129640.92	0.001	0.002	0.002	0.00441
594209.37	4129640.92	0.001	0.002	0.002	0.00433
594277.18	4129640.92	0.001	0.002	0.002	0.00425
594344.99	4129640.92	0.001	0.002	0.002	0.00416
594412.8	4129640.92	0.001	0.002	0.001	0.00405
594480.61	4129640.92	0.001	0.002	0.001	0.00386
594548.42	4129640.92	0.001	0.002	0.001	0.00362
594616.23	4129640.92	0.001	0.001	0.001	0.00340
593938.13	4129698.79	0.001	0.002	0.001	0.00406
594005.94	4129698.79	0.001	0.002	0.001	0.00404
594073.75	4129698.79	0.001	0.002	0.001	0.00399
594141.56	4129698.79	0.001	0.002	0.001	0.00392
594209.37	4129698.79	0.001	0.002	0.001	0.00385
594277.18	4129698.79	0.001	0.002	0.001	0.00379
594344.99	4129698.79	0.001	0.002	0.001	0.00371
594412.8	4129698.79	0.001	0.002	0.001	0.00360
594480.61	4129698.79	0.001	0.001	0.001	0.00343
594548.42	4129698.79	0.001	0.001	0.001	0.00321
594616.23	4129698.79	0.001	0.001	0.001	0.00303
593938.13	4129756.66	0.001	0.002	0.001	0.00367
594005.94	4129756.66	0.001	0.002	0.001	0.00364
594073.75	4129756.66	0.001	0.002	0.001	0.00358
594141.56	4129756.66	0.001	0.001	0.001	0.00352
594209.37	4129756.66	0.001	0.001	0.001	0.00346
594277.18	4129756.66	0.001	0.001	0.001	0.00340
594344.99	4129756.66	0.001	0.001	0.001	0.00334
594412.8	4129756.66	0.001	0.001	0.001	0.00323
594480.61	4129756.66	0.001	0.001	0.001	0.00306
594548.42	4129756.66	0.001	0.001	0.001	0.00286
594616.23	4129756.66	0.001	0.001	0.001	0.00271



593938.13	4129814.53	0.001	0.001	0.001	0.00333
594005.94	4129814.53	0.001	0.001	0.001	0.00329
594073.75	4129814.53	0.001	0.001	0.001	0.00323
594141.56	4129814.53	0.001	0.001	0.001	0.00317
594209.37	4129814.53	0.001	0.001	0.001	0.00312
594277.18	4129814.53	0.001	0.001	0.001	0.00308
594344.99	4129814.53	0.001	0.001	0.001	0.00301
594412.8	4129814.53	0.001	0.001	0.001	0.00291
594480.61	4129814.53	0.001	0.001	0.001	0.00275
594548.42	4129814.53	0.001	0.001	0.001	0.00257
594616.23	4129814.53	0.001	0.001	0.001	0.00244
593667	4128083.42	0.000	0.000	0.000	0.00104
593722.02	4128083.42	0.000	0.000	0.000	0.00108
593777.04	4128083.42	0.000	0.000	0.000	0.00113
593832.06	4128083.42	0.000	0.001	0.000	0.00120
593667	4128157.74	0.000	0.001	0.000	0.00121
593722.02	4128157.74	0.000	0.001	0.000	0.00128
593777.04	4128157.74	0.000	0.001	0.000	0.00136
593832.06	4128157.74	0.000	0.001	0.001	0.00146
593667	4128232.06	0.000	0.001	0.000	0.00136
593722.02	4128232.06	0.000	0.001	0.001	0.00146
593777.04	4128232.06	0.000	0.001	0.001	0.00157
593832.06	4128232.06	0.000	0.001	0.001	0.00170
593667	4128306.38	0.000	0.001	0.001	0.00150
593722.02	4128306.38	0.000	0.001	0.001	0.00162
593777.04	4128306.38	0.000	0.001	0.001	0.00176
593832.06	4128306.38	0.000	0.001	0.001	0.00190
593667	4128380.7	0.000	0.001	0.001	0.00166
593722.02	4128380.7	0.000	0.001	0.001	0.00179
593777.04	4128380.7	0.000	0.001	0.001	0.00194
593832.06	4128380.7	0.000	0.001	0.001	0.00211
593667	4128455.02	0.000	0.001	0.001	0.00186
593722.02	4128455.02	0.000	0.001	0.001	0.00201
593777.04	4128455.02	0.000	0.001	0.001	0.00217
593832.06	4128455.02	0.001	0.001	0.001	0.00236
593667	4128529.34	0.000	0.001	0.001	0.00211
593722.02	4128529.34	0.000	0.001	0.001	0.00229
593777.04	4128529.34	0.001	0.001	0.001	0.00249
593832.06	4128529.34	0.001	0.001	0.001	0.00271
593667	4128603.66	0.001	0.001	0.001	0.00239
593722.02	4128603.66	0.001	0.001	0.001	0.00261
593777.04	4128603.66	0.001	0.001	0.001	0.00286

593832.06	4128603.66	0.001	0.001	0.001	0.00315
593667	4128677.98	0.001	0.001	0.001	0.00270
593722.02	4128677.98	0.001	0.001	0.001	0.00297
593777.04	4128677.98	0.001	0.001	0.001	0.00328
593832.06	4128677.98	0.001	0.002	0.001	0.00364
593667	4128752.3	0.001	0.001	0.001	0.00304
593722.02	4128752.3	0.001	0.001	0.001	0.00337
593777.04	4128752.3	0.001	0.002	0.001	0.00375
593832.06	4128752.3	0.001	0.002	0.002	0.00421
593667	4128826.62	0.001	0.001	0.001	0.00344
593722.02	4128826.62	0.001	0.002	0.001	0.00384
593777.04	4128826.62	0.001	0.002	0.002	0.00431
593832.06	4128826.62	0.001	0.002	0.002	0.00487
593667	4128900.94	0.001	0.002	0.001	0.00389
593722.02	4128900.94	0.001	0.002	0.002	0.00436
593777.04	4128900.94	0.001	0.002	0.002	0.00491
593832.06	4128900.94	0.001	0.002	0.002	0.00557
593667	4128975.26	0.001	0.002	0.002	0.00435
593722.02	4128975.26	0.001	0.002	0.002	0.00487
593777.04	4128975.26	0.001	0.002	0.002	0.00548
593832.06	4128975.26	0.001	0.003	0.002	0.00620
593667	4129049.58	0.001	0.002	0.002	0.00474
593722.02	4129049.58	0.001	0.002	0.002	0.00528
593777.04	4129049.58	0.001	0.003	0.002	0.00591
593832.06	4129049.58	0.001	0.003	0.002	0.00663
594352.86	4127540.64	0.000	0.000	0.000	0.00035
594416.15	4127540.64	0.000	0.000	0.000	0.00039
594479.44	4127540.64	0.000	0.000	0.000	0.00045
594542.73	4127540.64	0.000	0.000	0.000	0.00053
594606.02	4127540.64	0.000	0.000	0.000	0.00063
594669.31	4127540.64	0.000	0.000	0.000	0.00076
594732.6	4127540.64	0.000	0.000	0.000	0.00092
594795.89	4127540.64	0.000	0.000	0.000	0.00110
594859.18	4127540.64	0.000	0.001	0.000	0.00129
594922.47	4127540.64	0.000	0.001	0.001	0.00151
594985.76	4127540.64	0.000	0.001	0.001	0.00175
595049.05	4127540.64	0.000	0.001	0.001	0.00200
595112.34	4127540.64	0.000	0.001	0.001	0.00226
595175.63	4127540.64	0.001	0.001	0.001	0.00253
595238.92	4127540.64	0.001	0.001	0.001	0.00279
595302.21	4127540.64	0.001	0.001	0.001	0.00304
595365.5	4127540.64	0.001	0.001	0.001	0.00327

595428.79	4127540.64	0.001	0.001	0.001	0.00348
595492.08	4127540.64	0.001	0.002	0.001	0.00365
595555.37	4127540.64	0.001	0.002	0.001	0.00379
595618.66	4127540.64	0.001	0.002	0.001	0.00389
594352.86	4127567.33	0.000	0.000	0.000	0.00038
594416.15	4127567.33	0.000	0.000	0.000	0.00042
594479.44	4127567.33	0.000	0.000	0.000	0.00048
594542.73	4127567.33	0.000	0.000	0.000	0.00056
594606.02	4127567.33	0.000	0.000	0.000	0.00068
594669.31	4127567.33	0.000	0.000	0.000	0.00082
594732.6	4127567.33	0.000	0.000	0.000	0.00098
594795.89	4127567.33	0.000	0.000	0.000	0.00117
594859.18	4127567.33	0.000	0.001	0.001	0.00139
594922.47	4127567.33	0.000	0.001	0.001	0.00162
594985.76	4127567.33	0.000	0.001	0.001	0.00188
595049.05	4127567.33	0.000	0.001	0.001	0.00214
595112.34	4127567.33	0.001	0.001	0.001	0.00243
595175.63	4127567.33	0.001	0.001	0.001	0.00271
595238.92	4127567.33	0.001	0.001	0.001	0.00300
595302.21	4127567.33	0.001	0.001	0.001	0.00326
595365.5	4127567.33	0.001	0.001	0.001	0.00350
595428.79	4127567.33	0.001	0.002	0.001	0.00371
595492.08	4127567.33	0.001	0.002	0.001	0.00388
595555.37	4127567.33	0.001	0.002	0.001	0.00401
595618.66	4127567.33	0.001	0.002	0.002	0.00410
594352.86	4127594.02	0.000	0.000	0.000	0.00042
594416.15	4127594.02	0.000	0.000	0.000	0.00046
594479.44	4127594.02	0.000	0.000	0.000	0.00052
594542.73	4127594.02	0.000	0.000	0.000	0.00061
594606.02	4127594.02	0.000	0.000	0.000	0.00073
594669.31	4127594.02	0.000	0.000	0.000	0.00088
594732.6	4127594.02	0.000	0.000	0.000	0.00106
594795.89	4127594.02	0.000	0.001	0.000	0.00126
594859.18	4127594.02	0.000	0.001	0.001	0.00149
594922.47	4127594.02	0.000	0.001	0.001	0.00174
594985.76	4127594.02	0.000	0.001	0.001	0.00202
595049.05	4127594.02	0.000	0.001	0.001	0.00231
595112.34	4127594.02	0.001	0.001	0.001	0.00262
595175.63	4127594.02	0.001	0.001	0.001	0.00292
595238.92	4127594.02	0.001	0.001	0.001	0.00322
595302.21	4127594.02	0.001	0.001	0.001	0.00349
595365.5	4127594.02	0.001	0.002	0.001	0.00375

595428.79	4127594.02	0.001	0.002	0.001	0.00396
595492.08	4127594.02	0.001	0.002	0.002	0.00413
595555.37	4127594.02	0.001	0.002	0.002	0.00426
595618.66	4127594.02	0.001	0.002	0.002	0.00434
594352.86	4127620.71	0.000	0.000	0.000	0.00046
594416.15	4127620.71	0.000	0.000	0.000	0.00050
594479.44	4127620.71	0.000	0.000	0.000	0.00057
594542.73	4127620.71	0.000	0.000	0.000	0.00066
594606.02	4127620.71	0.000	0.000	0.000	0.00078
594669.31	4127620.71	0.000	0.000	0.000	0.00094
594732.6	4127620.71	0.000	0.000	0.000	0.00114
594795.89	4127620.71	0.000	0.001	0.000	0.00136
594859.18	4127620.71	0.000	0.001	0.001	0.00161
594922.47	4127620.71	0.000	0.001	0.001	0.00188
594985.76	4127620.71	0.000	0.001	0.001	0.00218
595049.05	4127620.71	0.001	0.001	0.001	0.00249
595112.34	4127620.71	0.001	0.001	0.001	0.00282
595175.63	4127620.71	0.001	0.001	0.001	0.00315
595238.92	4127620.71	0.001	0.001	0.001	0.00346
595302.21	4127620.71	0.001	0.002	0.001	0.00375
595365.5	4127620.71	0.001	0.002	0.001	0.00401
595428.79	4127620.71	0.001	0.002	0.002	0.00422
595492.08	4127620.71	0.001	0.002	0.002	0.00439
595555.37	4127620.71	0.001	0.002	0.002	0.00451
595618.66	4127620.71	0.001	0.002	0.002	0.00458
594352.86	4127647.4	0.000	0.000	0.000	0.00050
594416.15	4127647.4	0.000	0.000	0.000	0.00055
594479.44	4127647.4	0.000	0.000	0.000	0.00062
594542.73	4127647.4	0.000	0.000	0.000	0.00072
594606.02	4127647.4	0.000	0.000	0.000	0.00085
594669.31	4127647.4	0.000	0.000	0.000	0.00102
594732.6	4127647.4	0.000	0.001	0.000	0.00123
594795.89	4127647.4	0.000	0.001	0.001	0.00147
594859.18	4127647.4	0.000	0.001	0.001	0.00174
594922.47	4127647.4	0.000	0.001	0.001	0.00204
594985.76	4127647.4	0.001	0.001	0.001	0.00236
595049.05	4127647.4	0.001	0.001	0.001	0.00270
595112.34	4127647.4	0.001	0.001	0.001	0.00305
595175.63	4127647.4	0.001	0.001	0.001	0.00340
595238.92	4127647.4	0.001	0.002	0.001	0.00373
595302.21	4127647.4	0.001	0.002	0.001	0.00403
595365.5	4127647.4	0.001	0.002	0.002	0.00430

595428.79	4127647.4	0.001	0.002	0.002	0.00451
595492.08	4127647.4	0.001	0.002	0.002	0.00468
595555.37	4127647.4	0.001	0.002	0.002	0.00478
595618.66	4127647.4	0.001	0.002	0.002	0.00484
594352.86	4127674.09	0.000	0.000	0.000	0.00055
594416.15	4127674.09	0.000	0.000	0.000	0.00060
594479.44	4127674.09	0.000	0.000	0.000	0.00068
594542.73	4127674.09	0.000	0.000	0.000	0.00079
594606.02	4127674.09	0.000	0.000	0.000	0.00092
594669.31	4127674.09	0.000	0.000	0.000	0.00111
594732.6	4127674.09	0.000	0.001	0.000	0.00133
594795.89	4127674.09	0.000	0.001	0.001	0.00159
594859.18	4127674.09	0.000	0.001	0.001	0.00189
594922.47	4127674.09	0.000	0.001	0.001	0.00221
594985.76	4127674.09	0.001	0.001	0.001	0.00255
595049.05	4127674.09	0.001	0.001	0.001	0.00292
595112.34	4127674.09	0.001	0.001	0.001	0.00330
595175.63	4127674.09	0.001	0.002	0.001	0.00367
595238.92	4127674.09	0.001	0.002	0.001	0.00403
595302.21	4127674.09	0.001	0.002	0.002	0.00434
595365.5	4127674.09	0.001	0.002	0.002	0.00461
595428.79	4127674.09	0.001	0.002	0.002	0.00483
595492.08	4127674.09	0.001	0.002	0.002	0.00498
595555.37	4127674.09	0.001	0.002	0.002	0.00507
595618.66	4127674.09	0.001	0.002	0.002	0.00511
594352.86	4127700.78	0.000	0.000	0.000	0.00059
594416.15	4127700.78	0.000	0.000	0.000	0.00067
594479.44	4127700.78	0.000	0.000	0.000	0.00075
594542.73	4127700.78	0.000	0.000	0.000	0.00087
594606.02	4127700.78	0.000	0.000	0.000	0.00100
594669.31	4127700.78	0.000	0.001	0.000	0.00121
594732.6	4127700.78	0.000	0.001	0.001	0.00145
594795.89	4127700.78	0.000	0.001	0.001	0.00174
594859.18	4127700.78	0.000	0.001	0.001	0.00205
594922.47	4127700.78	0.001	0.001	0.001	0.00240
594985.76	4127700.78	0.001	0.001	0.001	0.00277
595049.05	4127700.78	0.001	0.001	0.001	0.00317
595112.34	4127700.78	0.001	0.002	0.001	0.00358
595175.63	4127700.78	0.001	0.002	0.001	0.00398
595238.92	4127700.78	0.001	0.002	0.002	0.00435
595302.21	4127700.78	0.001	0.002	0.002	0.00468
595365.5	4127700.78	0.001	0.002	0.002	0.00495

595428.79	4127700.78	0.001	0.002	0.002	0.00516
595492.08	4127700.78	0.001	0.002	0.002	0.00530
595555.37	4127700.78	0.001	0.002	0.002	0.00538
595618.66	4127700.78	0.001	0.002	0.002	0.00539
595497.7	4127730.05	0.001	0.002	0.002	0.00568
595572.99	4127730.05	0.001	0.002	0.002	0.00573
595648.28	4127730.05	0.001	0.002	0.002	0.00569
595723.57	4127730.05	0.001	0.002	0.002	0.00558
595798.86	4127730.05	0.001	0.002	0.002	0.00542
595497.7	4127796.4	0.001	0.003	0.002	0.00663
595572.99	4127796.4	0.001	0.003	0.002	0.00660
595648.28	4127796.4	0.001	0.003	0.002	0.00646
595723.57	4127796.4	0.001	0.003	0.002	0.00626
595798.86	4127796.4	0.001	0.003	0.002	0.00602
595497.7	4127862.75	0.002	0.003	0.003	0.00774
595572.99	4127862.75	0.002	0.003	0.003	0.00758
595648.28	4127862.75	0.002	0.003	0.003	0.00733
595723.57	4127862.75	0.001	0.003	0.003	0.00701
595798.86	4127862.75	0.001	0.003	0.002	0.00666
595497.7	4127929.1	0.002	0.004	0.003	0.00902
595572.99	4127929.1	0.002	0.004	0.003	0.00870
595648.28	4127929.1	0.002	0.004	0.003	0.00829
595723.57	4127929.1	0.002	0.003	0.003	0.00783
595798.86	4127929.1	0.002	0.003	0.003	0.00735
595497.7	4127995.45	0.002	0.004	0.004	0.01049
595572.99	4127995.45	0.002	0.004	0.004	0.00995
595648.28	4127995.45	0.002	0.004	0.003	0.00933
595723.57	4127995.45	0.002	0.004	0.003	0.00869
595798.86	4127995.45	0.002	0.003	0.003	0.00805
595497.7	4128061.8	0.003	0.005	0.004	0.01217
595572.99	4128061.8	0.002	0.005	0.004	0.01132
595648.28	4128061.8	0.002	0.004	0.004	0.01044
595723.57	4128061.8	0.002	0.004	0.004	0.00956
595798.86	4128061.8	0.002	0.004	0.003	0.00871
595497.7	4128128.15	0.003	0.006	0.005	0.01401
595572.99	4128128.15	0.003	0.005	0.005	0.01276
595648.28	4128128.15	0.002	0.005	0.004	0.01153
595723.57	4128128.15	0.002	0.004	0.004	0.01035
595798.86	4128128.15	0.002	0.004	0.003	0.00924
595497.7	4128194.5	0.003	0.007	0.006	0.01591
595572.99	4128194.5	0.003	0.006	0.005	0.01412
595648.28	4128194.5	0.003	0.005	0.005	0.01244

595723.57	4128194.5	0.002	0.005	0.004	0.01091
595798.86	4128194.5	0.002	0.004	0.004	0.00954
595497.7	4128260.85	0.004	0.007	0.006	0.01762
595572.99	4128260.85	0.003	0.006	0.006	0.01517
595648.28	4128260.85	0.003	0.006	0.005	0.01300
595723.57	4128260.85	0.002	0.005	0.004	0.01111
595798.86	4128260.85	0.002	0.004	0.003	0.00949
595497.7	4128327.2	0.004	0.008	0.007	0.01876
595572.99	4128327.2	0.003	0.007	0.006	0.01562
595648.28	4128327.2	0.003	0.006	0.005	0.01300
595723.57	4128327.2	0.002	0.005	0.004	0.01084
595798.86	4128327.2	0.002	0.004	0.003	0.00906
595497.7	4128393.55	0.004	0.008	0.007	0.01891
595572.99	4128393.55	0.003	0.006	0.006	0.01523
595648.28	4128393.55	0.003	0.005	0.005	0.01234
595723.57	4128393.55	0.002	0.004	0.004	0.01007
595798.86	4128393.55	0.002	0.004	0.003	0.00830
595497.7	4128459.9	0.004	0.008	0.007	0.01781
595572.99	4128459.9	0.003	0.006	0.005	0.01397
595648.28	4128459.9	0.002	0.005	0.004	0.01110
595723.57	4128459.9	0.002	0.004	0.003	0.00895
595798.86	4128459.9	0.002	0.003	0.003	0.00732
595497.7	4128526.25	0.003	0.007	0.006	0.01562
595572.99	4128526.25	0.003	0.005	0.004	0.01208
595648.28	4128526.25	0.002	0.004	0.004	0.00953
595723.57	4128526.25	0.002	0.003	0.003	0.00768
595798.86	4128526.25	0.001	0.003	0.002	0.00630
595497.7	4128592.6	0.003	0.005	0.005	0.01289
595572.99	4128592.6	0.002	0.004	0.004	0.01000
595648.28	4128592.6	0.002	0.003	0.003	0.00796
595723.57	4128592.6	0.001	0.003	0.002	0.00648
595798.86	4128592.6	0.001	0.002	0.002	0.00538
595497.7	4128658.95	0.002	0.004	0.004	0.01021
595572.99	4128658.95	0.002	0.003	0.003	0.00814
595648.28	4128658.95	0.001	0.003	0.002	0.00661
595723.57	4128658.95	0.001	0.002	0.002	0.00548
595798.86	4128658.95	0.001	0.002	0.002	0.00463
595497.7	4128725.3	0.002	0.003	0.003	0.00803
595572.99	4128725.3	0.001	0.003	0.002	0.00662
595648.28	4128725.3	0.001	0.002	0.002	0.00553
595723.57	4128725.3	0.001	0.002	0.002	0.00469
595798.86	4128725.3	0.001	0.002	0.001	0.00403

595312.78	4128113.49	0.003	0.007	0.006	0.01598
595353.37	4128113.49	0.003	0.007	0.006	0.01557
595393.96	4128113.49	0.003	0.006	0.006	0.01507
595434.55	4128113.49	0.003	0.006	0.005	0.01452
595312.78	4128167.08	0.004	0.008	0.007	0.01877
595353.37	4128167.08	0.004	0.008	0.007	0.01806
595393.96	4128167.08	0.004	0.007	0.006	0.01727
595434.55	4128167.08	0.003	0.007	0.006	0.01645
595312.78	4128220.67	0.005	0.009	0.008	0.02194
595353.37	4128220.67	0.004	0.009	0.008	0.02080
595393.96	4128220.67	0.004	0.008	0.007	0.01963
595434.55	4128220.67	0.004	0.008	0.007	0.01844
595312.78	4128274.26	0.005	0.011	0.009	0.02539
595353.37	4128274.26	0.005	0.010	0.009	0.02367
595393.96	4128274.26	0.005	0.009	0.008	0.02197
595434.55	4128274.26	0.004	0.009	0.007	0.02032
593786.29	4129268.12	0.001	0.003	0.002	0.00607
593838.34	4129268.12	0.001	0.003	0.002	0.00657
593786.29	4129289.04	0.001	0.003	0.002	0.00601
593838.34	4129289.04	0.001	0.003	0.002	0.00648
593786.29	4129309.96	0.001	0.003	0.002	0.00593
593838.34	4129309.96	0.001	0.003	0.002	0.00637
595225.34	4128413.88	0.009	0.018	0.016	0.04307
595225.34	4128445.98	0.009	0.019	0.017	0.04553
595225.34	4128478.09	0.010	0.020	0.017	0.04715
595225.34	4128510.2	0.010	0.020	0.018	0.04765
595230.915	4128413.39	0.009	0.018	0.016	0.04232
595236.491	4128445.01	0.009	0.019	0.016	0.04378
595242.066	4128476.63	0.009	0.019	0.016	0.04418
595247.641	4128508.25	0.009	0.018	0.016	0.04334
595236.321	4128411.94	0.009	0.018	0.015	0.04154
595247.302	4128442.11	0.009	0.018	0.015	0.04206
595258.283	4128472.28	0.009	0.018	0.015	0.04146
595269.265	4128502.45	0.008	0.017	0.015	0.03968
595241.393	4128409.58	0.008	0.017	0.015	0.04074
595257.447	4128437.38	0.008	0.017	0.015	0.04043
595273.5	4128465.19	0.008	0.017	0.014	0.03907
595289.553	4128492.99	0.008	0.016	0.014	0.03671
595245.978	4128406.37	0.008	0.017	0.015	0.03996
595266.616	4128430.96	0.008	0.017	0.014	0.03894
595287.253	4128455.56	0.008	0.016	0.014	0.03704
595307.891	4128480.15	0.007	0.015	0.013	0.03436



595249.935	4128402.41	0.008	0.017	0.014	0.03922
595274.53	4128423.05	0.008	0.016	0.014	0.03761
595299.126	4128443.68	0.007	0.015	0.013	0.03534
595323.721	4128464.32	0.007	0.014	0.012	0.03253
595253.145	4128397.82	0.008	0.016	0.014	0.03853
595280.95	4128413.88	0.008	0.015	0.013	0.03645
595308.756	4128429.93	0.007	0.014	0.012	0.03394
595336.561	4128445.98	0.006	0.013	0.011	0.03112
595255.51	4128392.75	0.008	0.016	0.014	0.03790
595285.681	4128403.73	0.007	0.015	0.013	0.03544
595315.851	4128414.71	0.007	0.014	0.012	0.03278
595346.022	4128425.69	0.006	0.013	0.011	0.03002
595256.959	4128387.35	0.008	0.016	0.014	0.03735
595288.578	4128392.92	0.007	0.015	0.013	0.03459
595320.197	4128398.5	0.007	0.013	0.012	0.03183
595351.816	4128404.07	0.006	0.012	0.011	0.02914
595257.447	4128381.77	0.008	0.016	0.014	0.03688
595289.553	4128381.77	0.007	0.014	0.012	0.03387
595321.66	4128381.77	0.006	0.013	0.011	0.03105
595353.767	4128381.77	0.006	0.012	0.010	0.02842
595256.959	4128376.19	0.008	0.015	0.013	0.03649
595288.578	4128370.62	0.007	0.014	0.012	0.03328
595320.197	4128365.04	0.006	0.013	0.011	0.03040
595351.816	4128359.47	0.006	0.012	0.010	0.02781
595255.51	4128370.79	0.008	0.015	0.013	0.03619
595285.681	4128359.81	0.007	0.014	0.012	0.03282
595315.851	4128348.83	0.006	0.013	0.011	0.02987
595346.022	4128337.85	0.006	0.012	0.010	0.02728
595253.145	4128365.72	0.007	0.015	0.013	0.03597
595280.95	4128349.66	0.007	0.014	0.012	0.03247
595308.756	4128333.61	0.006	0.012	0.011	0.02945
595336.561	4128317.56	0.006	0.011	0.010	0.02682
595249.935	4128361.13	0.007	0.015	0.013	0.03586
595274.53	4128340.49	0.007	0.014	0.012	0.03226
595299.126	4128319.86	0.006	0.012	0.011	0.02915
595323.721	4128299.22	0.006	0.011	0.010	0.02646
595245.978	4128357.17	0.007	0.015	0.013	0.03583
595266.616	4128332.58	0.007	0.014	0.012	0.03217
595287.253	4128307.98	0.006	0.012	0.011	0.02899
595307.891	4128283.39	0.005	0.011	0.010	0.02621
595241.393	4128353.96	0.007	0.015	0.013	0.03591
595257.447	4128326.16	0.007	0.014	0.012	0.03223

595273.5	4128298.35	0.006	0.012	0.011	0.02897
595289.553	4128270.55	0.005	0.011	0.010	0.02611
595236.321	4128351.6	0.008	0.015	0.013	0.03609
595247.302	4128321.43	0.007	0.014	0.012	0.03244
595258.283	4128291.26	0.006	0.012	0.011	0.02913
595269.265	4128261.09	0.005	0.011	0.010	0.02617
595230.915	4128350.15	0.008	0.015	0.013	0.03637
595236.491	4128318.53	0.007	0.014	0.012	0.03282
595242.066	4128286.91	0.006	0.013	0.011	0.02950
595247.641	4128255.29	0.006	0.011	0.010	0.02646
595225.34	4128349.66	0.008	0.016	0.014	0.03676
595225.34	4128317.56	0.007	0.014	0.012	0.03339
595225.34	4128285.45	0.006	0.013	0.011	0.03010
595225.34	4128253.34	0.006	0.011	0.010	0.02700
595219.765	4128350.15	0.008	0.016	0.014	0.03725
595214.189	4128318.53	0.007	0.014	0.013	0.03415
595208.614	4128286.91	0.006	0.013	0.011	0.03097
595203.039	4128255.29	0.006	0.012	0.010	0.02785
595214.359	4128351.6	0.008	0.016	0.014	0.03784
595203.378	4128321.43	0.007	0.015	0.013	0.03513
595192.397	4128291.26	0.007	0.014	0.012	0.03215
595181.415	4128261.09	0.006	0.012	0.011	0.02907
595209.287	4128353.96	0.008	0.016	0.014	0.03853
595193.233	4128326.16	0.008	0.015	0.013	0.03633
595177.18	4128298.35	0.007	0.014	0.012	0.03367
595161.127	4128270.55	0.006	0.013	0.011	0.03075
595204.702	4128357.17	0.008	0.017	0.014	0.03928
595184.064	4128332.58	0.008	0.016	0.014	0.03774
595163.427	4128307.98	0.007	0.015	0.013	0.03558
595142.789	4128283.39	0.007	0.014	0.012	0.03297
595200.745	4128361.13	0.008	0.017	0.015	0.04010
595176.15	4128340.49	0.008	0.017	0.014	0.03936
595151.555	4128319.86	0.008	0.016	0.014	0.03789
595126.959	4128299.22	0.007	0.015	0.013	0.03580
595197.535	4128365.72	0.009	0.017	0.015	0.04095
595169.73	4128349.66	0.009	0.017	0.015	0.04114
595141.924	4128333.61	0.008	0.017	0.015	0.04060
595114.119	4128317.56	0.008	0.017	0.014	0.03933
595195.17	4128370.79	0.009	0.018	0.015	0.04181
595164.999	4128359.81	0.009	0.018	0.016	0.04303
595134.829	4128348.83	0.009	0.019	0.016	0.04365
595104.658	4128337.85	0.009	0.018	0.016	0.04356

595193.721	4128376.19	0.009	0.018	0.016	0.04263
595162.102	4128370.62	0.009	0.019	0.017	0.04495
595130.483	4128365.04	0.010	0.020	0.017	0.04693
595098.864	4128359.47	0.010	0.021	0.018	0.04840
595193.233	4128381.77	0.009	0.018	0.016	0.04338
595161.127	4128381.77	0.010	0.020	0.017	0.04679
595129.02	4128381.77	0.010	0.021	0.019	0.05023
595096.913	4128381.77	0.011	0.023	0.020	0.05359
595193.721	4128387.35	0.009	0.019	0.016	0.04403
595162.102	4128392.92	0.010	0.021	0.018	0.04842
595130.483	4128398.5	0.011	0.023	0.020	0.05329
595098.864	4128404.07	0.012	0.025	0.022	0.05863
595195.17	4128392.75	0.009	0.019	0.016	0.04453
595164.999	4128403.73	0.010	0.021	0.018	0.04971
595134.829	4128414.71	0.012	0.024	0.021	0.05576
595104.658	4128425.69	0.013	0.027	0.023	0.06286
595197.535	4128397.82	0.009	0.019	0.017	0.04486
595169.73	4128413.88	0.011	0.021	0.019	0.05055
595141.924	4128429.93	0.012	0.024	0.021	0.05736
595114.119	4128445.98	0.014	0.028	0.024	0.06558
595200.745	4128402.41	0.009	0.019	0.017	0.04500
595176.15	4128423.05	0.011	0.022	0.019	0.05086
595151.555	4128443.68	0.012	0.025	0.021	0.05787
595126.959	4128464.32	0.014	0.028	0.024	0.06632
595204.702	4128406.37	0.009	0.019	0.017	0.04495
595184.064	4128430.96	0.011	0.021	0.019	0.05062
595163.427	4128455.56	0.012	0.024	0.021	0.05723
595142.789	4128480.15	0.013	0.028	0.024	0.06493
595209.287	4128409.58	0.009	0.019	0.016	0.04471
595193.233	4128437.38	0.010	0.021	0.018	0.04987
595177.18	4128465.19	0.012	0.024	0.020	0.05556
595161.127	4128492.99	0.013	0.026	0.023	0.06174
595214.359	4128411.94	0.009	0.019	0.016	0.04429
595203.378	4128442.11	0.010	0.021	0.018	0.04870
595192.397	4128472.28	0.011	0.023	0.020	0.05311
595181.415	4128502.45	0.012	0.024	0.021	0.05734
595219.765	4128413.39	0.009	0.019	0.016	0.04374
595214.189	4128445.01	0.010	0.020	0.017	0.04721
595208.614	4128476.63	0.010	0.021	0.018	0.05021
595203.039	4128508.25	0.011	0.022	0.019	0.05244
594645.59	4128502.87	0.006	0.013	0.011	0.02990
594644.51	4128523.39	0.009	0.018	0.015	0.04228

594640.67	4128547.67	0.013	0.026	0.023	0.06249
594778.05	4128503.58	0.049	0.100	0.087	0.23664
594789.55	4128515.08	0.058	0.118	0.102	0.27817
594800.41	4128527.22	0.066	0.135	0.117	0.31793
594813.83	4128543.19	0.076	0.154	0.134	0.36429
594859.83	4128584.08	0.085	0.173	0.150	0.40827
594870.05	4128594.31	0.085	0.175	0.152	0.41174
594880.91	4128605.81	0.086	0.175	0.152	0.41258
594891.78	4128616.67	0.084	0.172	0.150	0.40628
594611.28	4128774.49	0.034	0.069	0.060	0.16174
594594.03	4128775.13	0.028	0.057	0.050	0.13554
594611.92	4128737.43	0.033	0.068	0.059	0.15968
594614.48	4128716.98	0.033	0.067	0.058	0.15756
594595.95	4128717.62	0.027	0.054	0.047	0.12789
594590.84	4128739.35	0.026	0.054	0.047	0.12752
594572.95	4128737.43	0.022	0.045	0.039	0.10635
594558.25	4128731.68	0.019	0.039	0.034	0.09139
594650.26	4128653.09	0.043	0.088	0.076	0.20781
594556.33	4128743.18	0.019	0.039	0.034	0.09231
594156.81	4128109.88	0.001	0.002	0.002	0.00594
594173.28	4128104.16	0.002	0.003	0.002	0.00695
594204.67	4128130.51	0.001	0.002	0.002	0.00478
594294.16	4128082.57	0.004	0.006	0.005	0.01491
594402.07	4128182.58	0.001	0.001	0.001	0.00358
594560.99	4128457.35	0.002	0.004	0.004	0.01042
594484.6	4128319.73	0.001	0.002	0.001	0.00413
594496.18	4128330.79	0.001	0.002	0.002	0.00436
594785.03	4128768.48	0.135	0.276	0.240	0.64974
594809.73	4128769.39	0.099	0.203	0.177	0.47943
594853.71	4128775.36	0.057	0.116	0.101	0.27392
594860.97	4128775.36	0.052	0.106	0.092	0.25037
594896.14	4128777.48	0.030	0.061	0.053	0.14464
595133.8	4128685.43	0.010	0.021	0.018	0.04984
594914.19	4128786.67	0.022	0.044	0.039	0.10549
594874.82	4128777.83	0.041	0.083	0.072	0.19512
594152.05	4128129.79	0.001	0.002	0.002	0.00438
594202.81	4128148.84	0.001	0.002	0.001	0.00398
594241.18	4128131.38	0.001	0.002	0.002	0.00491
594332.26	4128103.12	0.002	0.003	0.003	0.00829
594456.05	4128365.74	0.001	0.002	0.002	0.00481
594570.17	4128468.28	0.003	0.005	0.004	0.01180
594462.2	4128339.56	0.001	0.002	0.002	0.00435

594506.43	4128340.91	0.001	0.002	0.002	0.00462
594790.08	4128779.43	0.098	0.201	0.175	0.47412
594830.62	4128770.02	0.080	0.164	0.143	0.38712
594782.57	4128786.09	0.086	0.176	0.153	0.41460
594852.94	4128785.86	0.045	0.092	0.080	0.21605
594873.88	4128804.73	0.023	0.046	0.040	0.10959
595133.34	4128701.89	0.009	0.019	0.016	0.04479
595019.02	4128685.83	0.027	0.055	0.048	0.12972
595057.48	4128670.69	0.020	0.042	0.036	0.09812
595058.31	4128653.72	0.022	0.044	0.038	0.10447
595056.86	4128637.66	0.023	0.047	0.041	0.11056
594151.73	4128146.21	0.001	0.002	0.001	0.00373
594240.91	4128149.07	0.001	0.002	0.001	0.00413
594174.19	4128094.46	0.002	0.004	0.003	0.00882
594310.35	4128118.59	0.001	0.002	0.002	0.00611
594494.91	4128412.28	0.001	0.003	0.002	0.00649
594580.96	4128478.67	0.003	0.006	0.005	0.01357
594471.65	4128352.38	0.001	0.002	0.002	0.00463
594515.61	4128353.46	0.001	0.002	0.002	0.00497
594929.89	4128040.25	0.002	0.004	0.003	0.00843
594897.89	4128019.95	0.002	0.003	0.003	0.00727
594729.44	4128313.92	0.005	0.009	0.007	0.02053
594730.04	4128324.02	0.005	0.009	0.008	0.02164
594965.04	4128727.99	0.038	0.077	0.067	0.18221
595039.74	4128656.87	0.025	0.051	0.044	0.12072
595011.68	4128715.14	0.024	0.048	0.042	0.11405
595023.07	4128705.51	0.023	0.046	0.040	0.10947
595035.37	4128696.33	0.022	0.044	0.038	0.10351
595048.6	4128684.86	0.020	0.042	0.036	0.09838
594156.81	4128166.44	0.001	0.001	0.001	0.00330
594324.73	4128150.25	0.001	0.002	0.002	0.00428
594192.29	4128092.14	0.002	0.004	0.003	0.00976
594328.45	4128132.15	0.001	0.002	0.002	0.00511
594484.65	4128398.92	0.001	0.002	0.002	0.00591
594590.68	4128491.48	0.003	0.007	0.006	0.01622
594481.09	4128364.92	0.001	0.002	0.002	0.00496
594526.67	4128365.19	0.001	0.002	0.002	0.00536
594851.13	4127984.38	0.001	0.002	0.002	0.00590
594848.47	4128001.92	0.001	0.003	0.002	0.00631
594712.46	4128323.73	0.006	0.010	0.009	0.02501
594780.3	4128311.57	0.005	0.009	0.008	0.02217
595091.67	4128681.59	0.015	0.030	0.026	0.06976

594985.15	4128715.08	0.033	0.066	0.057	0.15611
595001.12	4128701.32	0.030	0.061	0.053	0.14308
594975.35	4128737.57	0.029	0.059	0.051	0.13964
594894.98	4128801.8	0.019	0.039	0.034	0.09176
594918.29	4128804.09	0.016	0.031	0.027	0.07366
594935.19	4128811.44	0.014	0.026	0.023	0.06296
594292.66	4128148.25	0.001	0.002	0.002	0.00430
594206.26	4128109.2	0.002	0.003	0.002	0.00663
594372.26	4128145.71	0.001	0.002	0.002	0.00445
594476.02	4128388.8	0.001	0.002	0.002	0.00553
594599.04	4128501.06	0.004	0.008	0.007	0.01906
594492.7	4128375.31	0.001	0.002	0.002	0.00531
594534.77	4128374.77	0.001	0.002	0.002	0.00571
594931.92	4128018.42	0.002	0.003	0.003	0.00776
594897.21	4128000.82	0.001	0.003	0.002	0.00675
594753.99	4128314.5	0.004	0.008	0.007	0.02025
594780.53	4128299.81	0.004	0.009	0.007	0.02038
595091.67	4128697.59	0.013	0.027	0.023	0.06273
595033.78	4128674.19	0.025	0.050	0.044	0.11914
595092.89	4128798.07	0.005	0.011	0.009	0.02580
595109.32	4128798.07	0.005	0.010	0.009	0.02371
595123.92	4128797.61	0.005	0.009	0.008	0.02215
594594.57	4128547.24	0.007	0.014	0.012	0.03396
594610.2	4128548.32	0.009	0.017	0.015	0.04072
594624.75	4128548.86	0.010	0.021	0.018	0.04949
594621.75	4128590.45	0.017	0.035	0.030	0.08203
594105.97	4128171.34	0.001	0.001	0.001	0.00291
594239.91	4128105.3	0.002	0.003	0.003	0.00744
594369.41	4128168.8	0.001	0.002	0.001	0.00380
594584.77	4128432.65	0.002	0.004	0.003	0.00941
594576.92	4128422.67	0.002	0.004	0.003	0.00850
594616.02	4128467.73	0.003	0.006	0.005	0.01471
594556.63	4128400.54	0.002	0.003	0.003	0.00693
594898.07	4127985.5	0.001	0.003	0.002	0.00638
594929.03	4127999.04	0.002	0.003	0.003	0.00714
594766.84	4128316.04	0.005	0.009	0.008	0.02134
594779.15	4128327.06	0.005	0.010	0.009	0.02451
595090.75	4128714.05	0.012	0.024	0.020	0.05565
595008.09	4128772.32	0.012	0.025	0.022	0.05871
595051.13	4128776.45	0.009	0.017	0.015	0.04033
595018.02	4128785.17	0.010	0.020	0.017	0.04627
595050.97	4128790.22	0.007	0.015	0.013	0.03511

594549.75	4128547.91	0.005	0.010	0.009	0.02373
594565.38	4128547.1	0.006	0.011	0.010	0.02641
594642.31	4128571.41	0.019	0.039	0.034	0.09247
594649.57	4128583.56	0.026	0.052	0.045	0.12354
594156.81	4128181.41	0.001	0.001	0.001	0.00309
594242.13	4128084.89	0.003	0.005	0.005	0.01311
594466.33	4128377.73	0.001	0.002	0.002	0.00516
594595.83	4128445.2	0.002	0.005	0.004	0.01085
594606.6	4128457.61	0.003	0.005	0.005	0.01267
594567.98	4128410.66	0.002	0.003	0.003	0.00761
594623.82	4128478.93	0.004	0.007	0.006	0.01748
594850.69	4127967.48	0.001	0.002	0.002	0.00549
594713.46	4128311.86	0.006	0.010	0.008	0.02371
594766.84	4128324.25	0.005	0.009	0.008	0.02256
594779.15	4128339.62	0.006	0.011	0.010	0.02677
594863.24	4128961.31	0.005	0.010	0.008	0.02314
595029.65	4128774.56	0.010	0.020	0.018	0.04803
595091.97	4128774.56	0.007	0.013	0.012	0.03171
595109.78	4128774.56	0.006	0.012	0.010	0.02861
595050.97	4128765.38	0.010	0.019	0.017	0.04555
594535.7	4128548.04	0.005	0.009	0.008	0.02161
594580.5	4128547.5	0.006	0.013	0.011	0.02998
594639.61	4128583.69	0.021	0.043	0.038	0.10216
594649.3	4128595.3	0.029	0.059	0.051	0.13845
594112.36	4128157.82	0.001	0.001	0.001	0.00313
594316.11	4128129.88	0.001	0.002	0.002	0.00524
594604.22	4128516.57	0.005	0.010	0.009	0.02431
594544.02	4128470.15	0.002	0.005	0.004	0.01092
594516.47	4128436.69	0.002	0.003	0.003	0.00790
594531.56	4128422.12	0.002	0.003	0.003	0.00746
594502.39	4128386.5	0.001	0.002	0.002	0.00571
594711.93	4128340.94	0.006	0.011	0.010	0.02696
594724.7	4128340.71	0.006	0.010	0.009	0.02444
594738.16	4128340.94	0.005	0.010	0.009	0.02397
594764.92	4128298.95	0.004	0.008	0.007	0.01898
594855.84	4128802.72	0.029	0.059	0.051	0.13983
594785.53	4128831.63	0.028	0.057	0.050	0.13542
594796.46	4128831.63	0.026	0.054	0.047	0.12646
595049.6	4128808.45	0.007	0.013	0.011	0.03030
594828.2	4128794.7	0.046	0.094	0.082	0.22123
594891.14	4128831.45	0.013	0.026	0.022	0.06035
594905.45	4128831.19	0.011	0.023	0.020	0.05441

594918	4128830.69	0.011	0.021	0.019	0.05075
594291.98	4128131.38	0.001	0.002	0.002	0.00508
594574.27	4128502.13	0.004	0.007	0.006	0.01672
594554.54	4128483.51	0.003	0.005	0.005	0.01273
594525.37	4128448.16	0.002	0.004	0.003	0.00875
594541.54	4128435.48	0.002	0.004	0.003	0.00836
594512.1	4128397.16	0.001	0.003	0.002	0.00616
594788.47	4128796.69	0.058	0.119	0.104	0.28176
594812.03	4128788.66	0.061	0.126	0.109	0.29636
594808.73	4128806.79	0.040	0.081	0.070	0.19065
594855.23	4128813.67	0.023	0.047	0.041	0.11202
594859.28	4128793.94	0.034	0.070	0.061	0.16472
595427.44	4129452.45	0.001	0.002	0.002	0.00442
595443.76	4129477.89	0.001	0.002	0.001	0.00413
595096.58	4128893.01	0.004	0.008	0.007	0.01818
594931.43	4128831.15	0.010	0.020	0.017	0.04781
594942.72	4128831.15	0.010	0.020	0.017	0.04706
594952	4128830.89	0.011	0.020	0.017	0.04801
594296.11	4128099.86	0.002	0.004	0.003	0.00878
594583.17	4128516.02	0.004	0.009	0.008	0.02067
594565.07	4128491.74	0.003	0.006	0.005	0.01438
594535.36	4128456.66	0.002	0.004	0.003	0.00957
594551.25	4128443.17	0.002	0.004	0.003	0.00907
594634.61	4128491.2	0.005	0.009	0.008	0.02245
594807.75	4128780.8	0.079	0.161	0.140	0.37915
594789.31	4128805.81	0.045	0.093	0.081	0.21893
594831.22	4128783.32	0.060	0.122	0.106	0.28699
594832.05	4128808.57	0.032	0.065	0.057	0.15420
594810.94	4128797.36	0.049	0.101	0.087	0.23724
595414.09	4129463.99	0.001	0.002	0.001	0.00386
595497.65	4129524.43	0.001	0.002	0.001	0.00401
595481.49	4129523.42	0.001	0.002	0.001	0.00371
595080.91	4128875.09	0.004	0.008	0.007	0.02000
595084.17	4128856.08	0.004	0.008	0.007	0.01996
595139.79	4128859.08	0.003	0.006	0.005	0.01502
595164.13	4128891	0.003	0.005	0.005	0.01259
595207.95	4128939.61	0.002	0.004	0.004	0.01009
595220.47	4129289.9	0.001	0.002	0.002	0.00463
595259.38	4129289.47	0.001	0.002	0.002	0.00511
595294.68	4129290.12	0.001	0.002	0.002	0.00594
594902.61	4129107.8	0.002	0.004	0.004	0.00967
594827.43	4129184.31	0.002	0.004	0.003	0.00941



594852.82	4129183.98	0.002	0.004	0.003	0.00867
595333.6	4129288.08	0.002	0.003	0.003	0.00842
595380.35	4129325.01	0.002	0.004	0.003	0.00983
595354.7	4129297.95	0.002	0.004	0.003	0.00988
595368.91	4129310.75	0.002	0.004	0.004	0.01017
595107.61	4128896.67	0.004	0.007	0.006	0.01690
595293.36	4129039.9	0.002	0.003	0.003	0.00769
595128.46	4128901.73	0.003	0.006	0.005	0.01489
595155	4128868.94	0.003	0.006	0.005	0.01369
595175.78	4128905.49	0.003	0.005	0.004	0.01176
595238.67	4129290.18	0.001	0.002	0.002	0.00481
595275	4129290.4	0.001	0.002	0.002	0.00539
595312.87	4129293.82	0.002	0.003	0.002	0.00651
594951.95	4129201.23	0.001	0.003	0.002	0.00613
594951.45	4129184.34	0.001	0.003	0.002	0.00648
594951.87	4129167.45	0.001	0.003	0.003	0.00685
595428.66	4129378.62	0.002	0.004	0.003	0.00935
595310.9	4129057.13	0.002	0.003	0.003	0.00734
595331.92	4129156.05	0.002	0.004	0.004	0.01022
595321.54	4129074.33	0.002	0.003	0.003	0.00726
595113.6	4128851.38	0.004	0.007	0.006	0.01736
595112.85	4128887.74	0.004	0.007	0.006	0.01630
595120.78	4128911.11	0.004	0.007	0.006	0.01577
595221.89	4128959.1	0.002	0.004	0.003	0.00955
595233.53	4128971.89	0.002	0.004	0.003	0.00915
595119.78	4129332.57	0.001	0.002	0.001	0.00376
595138.93	4129334.68	0.001	0.002	0.001	0.00375
595155.7	4129334.42	0.001	0.002	0.001	0.00378
595183.3	4129288.98	0.001	0.002	0.002	0.00441
595272.73	4129366.65	0.001	0.002	0.001	0.00390
595214.73	4129331.51	0.001	0.002	0.001	0.00402
595287.25	4129332.83	0.001	0.002	0.002	0.00459
595311.95	4129339.18	0.001	0.002	0.002	0.00484
595331.37	4129347.63	0.001	0.002	0.002	0.00504
595074.4	4129323.35	0.001	0.002	0.001	0.00386
595285.77	4129354.5	0.001	0.002	0.001	0.00418
595418.42	4129365.33	0.002	0.004	0.003	0.00967
595279.07	4129085.35	0.002	0.004	0.004	0.00998
595372.78	4129189.43	0.002	0.004	0.003	0.00887
595343.48	4129168.35	0.002	0.004	0.004	0.01006
595230.18	4129029.41	0.003	0.004	0.004	0.01082
595263.39	4129007.48	0.002	0.003	0.003	0.00834

595279.79	4129026.86	0.002	0.003	0.003	0.00798
595147.72	4128938.09	0.003	0.006	0.005	0.01390
595137.3	4128924.75	0.003	0.006	0.005	0.01447
595112.65	4129285.77	0.001	0.002	0.002	0.00427
595074.99	4129304.8	0.001	0.002	0.001	0.00405
595127.17	4129285.77	0.001	0.002	0.002	0.00428
595175.91	4129334.39	0.001	0.002	0.001	0.00383
595255.03	4129366.62	0.001	0.002	0.001	0.00380
595237.46	4129351.56	0.001	0.002	0.001	0.00389
595439.07	4129389.95	0.002	0.004	0.003	0.00935
595452.9	4129402.76	0.002	0.004	0.003	0.00964
595371.16	4129439.36	0.001	0.002	0.001	0.00372
595393.46	4129414.88	0.001	0.002	0.002	0.00465
595476.63	4129434.13	0.002	0.003	0.003	0.00854
595458.53	4129407.98	0.002	0.004	0.003	0.00968
595408.18	4129350.58	0.003	0.004	0.004	0.01038
595257.99	4129067.54	0.003	0.004	0.004	0.01067
595306.54	4129122.59	0.002	0.004	0.004	0.01005
595319.82	4129140.23	0.002	0.004	0.004	0.01013
595240.41	4129023.07	0.002	0.004	0.003	0.00980
595247.31	4128986.52	0.002	0.004	0.003	0.00873
595252.74	4128994.2	0.002	0.004	0.003	0.00859
595192.09	4128920.73	0.002	0.005	0.004	0.01085
595175.66	4128966.77	0.003	0.005	0.004	0.01246
595088.6	4129290.76	0.001	0.002	0.002	0.00421
595148.7	4129287.07	0.001	0.002	0.002	0.00430
595164.42	4129287.86	0.001	0.002	0.002	0.00433
595198.63	4129286.27	0.001	0.002	0.002	0.00453
595196.38	4129334.89	0.001	0.002	0.001	0.00390
595235.34	4129332.77	0.001	0.002	0.001	0.00411
595444.67	4129395.56	0.002	0.004	0.003	0.00943
595365.92	4129389.11	0.001	0.002	0.002	0.00471
595379.02	4129400.34	0.001	0.002	0.002	0.00470
595382.68	4129426.61	0.001	0.002	0.001	0.00413
595488.78	4129448.63	0.002	0.003	0.003	0.00849
595466.19	4129420.63	0.002	0.004	0.003	0.00877
595393.19	4129336.56	0.002	0.004	0.004	0.01022
595247.67	4129052.75	0.002	0.004	0.004	0.01064
595290.63	4129099.2	0.002	0.004	0.003	0.00987
595327.57	4129081.99	0.002	0.003	0.003	0.00719
595203.86	4128999.19	0.003	0.005	0.004	0.01150
595219.16	4129017.83	0.003	0.005	0.004	0.01114

595229.71	4129010.52	0.002	0.004	0.004	0.01005
595160.4	4128953.08	0.003	0.006	0.005	0.01327
595191.01	4128985.43	0.003	0.005	0.004	0.01194
595341.75	4129361.55	0.001	0.002	0.002	0.00491
595319.56	4129372.12	0.001	0.002	0.002	0.00428
594823.12	4129350.69	0.001	0.002	0.002	0.00583
594840.16	4129351.18	0.001	0.002	0.002	0.00559
594856.23	4129352.15	0.001	0.002	0.002	0.00534
594950.83	4129354.09	0.001	0.002	0.001	0.00405
594967.39	4129353.6	0.001	0.002	0.001	0.00391
594983.45	4129353.6	0.001	0.002	0.001	0.00380
595001.49	4129349.66	0.001	0.002	0.001	0.00374
595044.8	4129396.91	0.001	0.001	0.001	0.00322
595075.17	4129370.37	0.001	0.001	0.001	0.00342
595126.08	4129373.64	0.001	0.001	0.001	0.00340
595243.87	4129478.68	0.001	0.001	0.001	0.00277
595274.5	4129500.59	0.001	0.001	0.001	0.00268
595213.07	4129402.68	0.001	0.001	0.001	0.00329
595265.91	4129429.75	0.001	0.001	0.001	0.00320
595301.52	4129380.53	0.001	0.002	0.001	0.00394
594793.06	4129350.42	0.001	0.003	0.002	0.00618
594809.62	4129351.39	0.001	0.003	0.002	0.00599
594871.74	4129351.88	0.001	0.002	0.002	0.00511
594886.84	4129352.36	0.001	0.002	0.002	0.00488
594901.45	4129353.81	0.001	0.002	0.002	0.00465
594919.95	4129353.33	0.001	0.002	0.002	0.00441
594937.47	4129353.33	0.001	0.002	0.002	0.00420
595042.27	4129376.58	0.001	0.001	0.001	0.00339
595074.73	4129391.99	0.001	0.001	0.001	0.00323
595196.07	4129448.03	0.001	0.001	0.001	0.00291
595231.02	4129462.96	0.001	0.001	0.001	0.00286
595258.89	4129485.88	0.001	0.001	0.001	0.00275
595214.71	4129454.65	0.001	0.001	0.001	0.00289
595234.32	4129411.58	0.001	0.001	0.001	0.00327
595295.77	4129404.2	0.001	0.001	0.001	0.00359
594782.4	4129402.99	0.001	0.002	0.002	0.00547
594801.86	4129402.51	0.001	0.002	0.002	0.00534
594867.38	4129404.44	0.001	0.002	0.002	0.00460
594932.94	4129404.03	0.001	0.002	0.001	0.00380
594916.39	4129403.8	0.001	0.002	0.001	0.00399
594980.9	4129488.37	0.001	0.001	0.001	0.00285
595042.13	4129464.29	0.001	0.001	0.001	0.00275

595043.53	4129409.85	0.001	0.001	0.001	0.00312
595075.74	4129409.01	0.001	0.001	0.001	0.00310
595120.42	4129478.92	0.001	0.001	0.001	0.00263
595156.71	4129400.4	0.001	0.001	0.001	0.00321
595177.02	4129399.64	0.001	0.001	0.001	0.00325
595196.66	4129400.39	0.001	0.001	0.001	0.00328
595250.73	4129418.85	0.001	0.001	0.001	0.00325
595313	4129420.08	0.001	0.001	0.001	0.00347
594781.91	4129437.14	0.001	0.002	0.002	0.00504
594830.95	4129407.57	0.001	0.002	0.002	0.00500
594849.93	4129403.69	0.001	0.002	0.002	0.00482
594816.55	4129402.72	0.001	0.002	0.002	0.00520
594883.03	4129407.57	0.001	0.002	0.002	0.00437
594981.08	4129408.19	0.001	0.001	0.001	0.00336
595042.55	4129444.39	0.001	0.001	0.001	0.00288
595042.69	4129361.68	0.001	0.001	0.001	0.00352
595074.05	4129427.93	0.001	0.001	0.001	0.00296
595075.46	4129481.52	0.001	0.001	0.001	0.00261
595077.71	4129443.96	0.001	0.001	0.001	0.00285
595140.24	4129399.04	0.001	0.001	0.001	0.00321
595119.5	4129398.54	0.001	0.001	0.001	0.00319
595281.49	4129442.51	0.001	0.001	0.001	0.00314
595334.74	4129423.24	0.001	0.001	0.001	0.00358
594864.47	4129487.19	0.001	0.002	0.001	0.00391
594830.95	4129434.93	0.001	0.002	0.002	0.00470
594850.89	4129434.93	0.001	0.002	0.002	0.00449
594818	4129433.96	0.001	0.002	0.002	0.00483
594883.03	4129434.93	0.001	0.002	0.002	0.00413
594981.08	4129435.55	0.001	0.001	0.001	0.00317
595042.55	4129430.39	0.001	0.001	0.001	0.00297
595047.75	4129479.34	0.001	0.001	0.001	0.00265
594931.84	4129488.8	0.001	0.001	0.001	0.00323
594799.73	4129485.62	0.001	0.002	0.002	0.00442
595075.6	4129465.84	0.001	0.001	0.001	0.00271
595137.24	4129447.6	0.001	0.001	0.001	0.00285
595255.31	4129522.17	0.001	0.001	0.001	0.00251
595311.84	4129464.54	0.001	0.001	0.001	0.00305
595351.96	4129405.48	0.001	0.002	0.001	0.00407
594846.58	4129485.19	0.001	0.002	0.001	0.00409
594882.33	4129487.03	0.001	0.002	0.001	0.00373
594896.74	4129487.49	0.001	0.002	0.001	0.00358
594933.4	4129439.32	0.001	0.001	0.001	0.00353

594916.85	4129436.8	0.001	0.002	0.001	0.00372
594963.52	4129489.06	0.001	0.001	0.001	0.00297
594998.39	4129487.22	0.001	0.001	0.001	0.00276
594947.7	4129488.63	0.001	0.001	0.001	0.00309
594915.56	4129487.95	0.001	0.001	0.001	0.00339
594781	4129485.68	0.001	0.002	0.002	0.00451
595137.88	4129477.6	0.001	0.001	0.001	0.00265
595120.48	4129450.25	0.001	0.001	0.001	0.00282
595175.68	4129446.72	0.001	0.001	0.001	0.00289
595301.08	4129559.26	0.001	0.001	0.001	0.00234
594831.76	4129486.38	0.001	0.002	0.002	0.00421
595044.38	4129341.64	0.001	0.002	0.001	0.00370
594816.63	4129485.43	0.001	0.002	0.002	0.00432
595158.18	4129478.49	0.001	0.001	0.001	0.00267
595211.37	4129485.99	0.001	0.001	0.001	0.00268
595225.3	4129500.11	0.001	0.001	0.001	0.00261
595152.74	4129448.92	0.001	0.001	0.001	0.00285
595341.13	4129562.02	0.001	0.001	0.001	0.00235
595077.18	4129350.52	0.001	0.002	0.001	0.00359
595174.06	4129476.72	0.001	0.001	0.001	0.00269
595193.28	4129481.58	0.001	0.001	0.001	0.00268
595367.41	4129555.23	0.001	0.001	0.001	0.00245
595420.58	4129543.73	0.001	0.001	0.001	0.00275
595315.46	4129536.06	0.001	0.001	0.001	0.00250
595477.45	4129540.62	0.001	0.001	0.001	0.00324
595396.15	4129564.98	0.001	0.001	0.001	0.00244
595353.82	4129526.46	0.001	0.001	0.001	0.00264
595394.78	4129535.18	0.001	0.001	0.001	0.00271
595330.8	4129498.57	0.001	0.001	0.001	0.00282
595475.42	4129559.86	0.001	0.001	0.001	0.00285
595419.83	4129565.95	0.001	0.001	0.001	0.00251
595392.86	4129507.11	0.001	0.001	0.001	0.00299
595417.79	4129513.03	0.001	0.001	0.001	0.00311
595360.09	4129499.09	0.001	0.001	0.001	0.00291
594801.31	4129435.64	0.001	0.002	0.002	0.00494
594867.73	4129437.09	0.001	0.002	0.002	0.00429
594899.24	4129405.96	0.001	0.002	0.002	0.00418
594899.24	4129433.32	0.001	0.002	0.001	0.00395
594965.89	4129410.32	0.001	0.001	0.001	0.00345
594965.89	4129437.68	0.001	0.001	0.001	0.00326
594949.1	4129408.18	0.001	0.002	0.001	0.00361
594949.1	4129435.54	0.001	0.001	0.001	0.00341

594123.36	4128193.08	0.001	0.001	0.001	0.00283
594125.98	4128217.36	0.001	0.001	0.001	0.00273
594125.98	4128234.55	0.001	0.001	0.001	0.00270
594154.37	4128235.67	0.001	0.001	0.001	0.00279
594155.86	4128216.99	0.001	0.001	0.001	0.00284
594156.23	4128199.06	0.001	0.001	0.001	0.00293
594084.14	4128215.87	0.001	0.001	0.001	0.00256
594077.04	4128225.58	0.001	0.001	0.001	0.00252
594080.03	4128244.63	0.001	0.001	0.001	0.00254
594204.79	4128164.7	0.001	0.001	0.001	0.00357
594204.79	4128184.49	0.001	0.001	0.001	0.00325
594240.28	4128166.19	0.001	0.002	0.001	0.00367
594240.28	4128184.87	0.001	0.001	0.001	0.00336
594238.04	4128199.81	0.001	0.001	0.001	0.00320
594204.79	4128205.04	0.001	0.001	0.001	0.00306
594201.81	4128219.98	0.001	0.001	0.001	0.00297
594203.3	4128236.42	0.001	0.001	0.001	0.00293
594238.04	4128218.49	0.001	0.001	0.001	0.00308
594241.78	4128235.3	0.001	0.001	0.001	0.00303
594292.2	4128166.94	0.001	0.002	0.001	0.00378
594291.05	4128204.51	0.001	0.001	0.001	0.00328
594290.37	4128187.64	0.001	0.001	0.001	0.00344
594292.54	4128238.87	0.001	0.001	0.001	0.00314
594291.87	4128222	0.001	0.001	0.001	0.00318
594325.04	4128258.3	0.001	0.001	0.001	0.00321
594324.36	4128241.43	0.001	0.001	0.001	0.00320
594325.41	4128220.2	0.001	0.001	0.001	0.00324
594324.74	4128203.33	0.001	0.001	0.001	0.00334
594323.17	4128186.2	0.001	0.001	0.001	0.00350
594322.5	4128169.33	0.001	0.002	0.001	0.00378
594369.12	4128259.42	0.001	0.001	0.001	0.00331
594368.44	4128242.55	0.001	0.001	0.001	0.00327
594369.87	4128221.69	0.001	0.001	0.001	0.00329
594369.19	4128204.82	0.001	0.001	0.001	0.00337
594400.12	4128260.17	0.001	0.001	0.001	0.00337
594399.45	4128243.3	0.001	0.001	0.001	0.00332
594401.24	4128223.93	0.001	0.001	0.001	0.00332
594400.57	4128207.06	0.001	0.001	0.001	0.00337
594371.02	4128185.99	0.001	0.001	0.001	0.00354
594446.85	4128235.67	0.001	0.001	0.001	0.00335
594448.34	4128259.58	0.001	0.001	0.001	0.00343
594465.15	4128255.84	0.001	0.001	0.001	0.00344

594239.44	4128279.33	0.001	0.001	0.001	0.00306
594237.57	4128294.65	0.001	0.001	0.001	0.00312
594237.94	4128312.58	0.001	0.001	0.001	0.00321
594237.19	4128327.52	0.001	0.001	0.001	0.00331
594202.73	4128279.8	0.001	0.001	0.001	0.00297
594200.87	4128295.12	0.001	0.001	0.001	0.00302
594201.24	4128313.05	0.001	0.001	0.001	0.00310
594203.99	4128327.12	0.001	0.001	0.001	0.00320
594156.41	4128278.68	0.001	0.001	0.001	0.00283
594154.54	4128294	0.001	0.001	0.001	0.00288
594154.92	4128311.93	0.001	0.001	0.001	0.00295
594154.17	4128326.87	0.001	0.001	0.001	0.00303
594116.44	4128279.8	0.001	0.001	0.001	0.00272
594114.57	4128295.12	0.001	0.001	0.001	0.00276
594114.95	4128313.05	0.001	0.001	0.001	0.00283
594114.2	4128327.99	0.001	0.001	0.001	0.00289
594283.66	4128296.51	0.001	0.001	0.001	0.00326
594283.68	4128309.94	0.001	0.001	0.001	0.00334
594282.98	4128324.63	0.001	0.001	0.001	0.00345
594282.23	4128339.57	0.001	0.002	0.001	0.00358
594326.57	4128303.53	0.001	0.001	0.001	0.00343
594283.41	4128281.6	0.001	0.001	0.001	0.00319
594326.97	4128334.89	0.001	0.002	0.001	0.00371
594313.27	4128335.25	0.001	0.002	0.001	0.00366
594357.93	4128334.55	0.001	0.002	0.001	0.00383
594344.23	4128334.92	0.001	0.002	0.001	0.00378
594325.72	4128356.04	0.001	0.002	0.001	0.00395
594312.02	4128356.41	0.001	0.002	0.001	0.00389
594356.68	4128355.7	0.001	0.002	0.001	0.00409
594342.98	4128356.07	0.001	0.002	0.001	0.00403
594385.1	4128356.31	0.001	0.002	0.002	0.00424
594371.39	4128356.68	0.001	0.002	0.002	0.00418
594416.06	4128355.97	0.001	0.002	0.002	0.00440
594402.36	4128356.34	0.001	0.002	0.002	0.00433
594385.37	4128334.99	0.001	0.002	0.001	0.00395
594371.66	4128335.36	0.001	0.002	0.001	0.00390
594416.33	4128334.65	0.001	0.002	0.001	0.00407
594402.63	4128335.02	0.001	0.002	0.001	0.00402
594430.03	4128355.38	0.001	0.002	0.002	0.00446
594430.3	4128334.06	0.001	0.002	0.001	0.00412
594339.75	4128303.14	0.001	0.001	0.001	0.00347
594352.16	4128303.71	0.001	0.001	0.001	0.00352

594312.76	4128303.7	0.001	0.001	0.001	0.00339
594380.47	4128302.9	0.001	0.002	0.001	0.00360
594393.65	4128302.51	0.001	0.002	0.001	0.00363
594412.26	4128302.54	0.001	0.002	0.001	0.00369
594366.66	4128303.06	0.001	0.001	0.001	0.00356
594427.77	4128304.53	0.001	0.002	0.001	0.00375
594441.74	4128303.94	0.001	0.002	0.001	0.00378
594455.26	4128305.32	0.001	0.002	0.001	0.00383
594473.08	4128305.05	0.001	0.002	0.001	0.00388
594074.7	4128261.48	0.001	0.001	0.001	0.00254
594070.34	4128276.85	0.001	0.001	0.001	0.00256
594070.34	4128295.44	0.001	0.001	0.001	0.00262
594028.36	4128311.96	0.001	0.001	0.001	0.00254
594051.3	4128317.92	0.001	0.001	0.001	0.00264
594068.96	4128323.43	0.001	0.001	0.001	0.00272
594715.3	4128299.81	0.005	0.009	0.008	0.02222
594727.32	4128298.74	0.004	0.008	0.007	0.01944
594740.08	4128298.51	0.004	0.008	0.007	0.01842
594753.54	4128298.74	0.004	0.008	0.007	0.01846
594739.71	4128353.69	0.006	0.011	0.009	0.02589
594752.48	4128353.46	0.006	0.011	0.010	0.02692
594765.93	4128353.69	0.006	0.012	0.010	0.02864
594773.9	4128358.74	0.007	0.013	0.011	0.03068
594786.67	4128358.51	0.007	0.014	0.012	0.03326
594800.12	4128358.74	0.008	0.015	0.013	0.03587
594812.29	4128360.84	0.008	0.016	0.014	0.03886
594825.75	4128361.07	0.009	0.017	0.015	0.04128
594845.57	4128365.89	0.010	0.020	0.017	0.04641
594859.02	4128366.12	0.010	0.021	0.018	0.04846
594803.25	4128299.49	0.005	0.009	0.008	0.02244
594801.87	4128326.74	0.006	0.012	0.010	0.02747
594801.87	4128339.3	0.006	0.013	0.011	0.03048
594803.02	4128311.25	0.005	0.010	0.009	0.02445
594790.8	4128341.22	0.006	0.012	0.011	0.02930
594823.23	4128330.04	0.007	0.013	0.011	0.03107
594823.23	4128342.6	0.007	0.015	0.013	0.03459
594824.38	4128314.55	0.006	0.012	0.010	0.02752
594860.1	4128325.99	0.007	0.015	0.013	0.03461
594859.41	4128341.54	0.008	0.017	0.014	0.03922
594847.25	4128321.72	0.007	0.014	0.012	0.03194
594880.14	4128351.38	0.009	0.019	0.017	0.04535
594880.14	4128363.94	0.011	0.021	0.019	0.05039



594881.28	4128335.89	0.008	0.017	0.015	0.04012
594881.09	4128322.58	0.008	0.015	0.013	0.03611
594882.24	4128307.09	0.007	0.014	0.012	0.03225
594853.17	4128299.79	0.006	0.012	0.010	0.02766
594841.78	4128299.58	0.006	0.011	0.010	0.02642
594864.69	4128299.69	0.006	0.012	0.011	0.02882
594914.48	4128370.74	0.012	0.024	0.021	0.05676
594914.48	4128383.3	0.013	0.027	0.023	0.06276
594914.02	4128355.68	0.011	0.021	0.019	0.05039
594914.94	4128341.45	0.009	0.019	0.017	0.04523
594915.4	4128328.83	0.009	0.017	0.015	0.04117
594910.81	4128299.69	0.007	0.014	0.012	0.03299
594924.35	4128299.46	0.007	0.014	0.012	0.03392
594938.8	4128299.69	0.007	0.015	0.013	0.03489
594950.97	4128303.13	0.008	0.015	0.013	0.03638
594742.21	4128451.06	0.016	0.032	0.027	0.07472
594756.79	4128451.81	0.018	0.036	0.031	0.08514
594772.85	4128452.93	0.020	0.041	0.035	0.09577
594792.28	4128453.67	0.022	0.045	0.039	0.10539
594806.11	4128453.67	0.023	0.047	0.040	0.10977
594821.43	4128454.05	0.024	0.048	0.042	0.11356
594842.36	4128455.92	0.025	0.050	0.044	0.11849
594855.81	4128461.15	0.026	0.053	0.046	0.12601
594871.87	4128467.5	0.028	0.056	0.049	0.13300
594804.99	4128494.4	0.041	0.083	0.072	0.19633
594814.7	4128487.3	0.037	0.075	0.065	0.17603
594826.29	4128476.84	0.032	0.065	0.056	0.15256
594829.65	4128505.61	0.045	0.092	0.080	0.21668
594841.23	4128496.65	0.039	0.081	0.070	0.19002
594854.69	4128486.18	0.034	0.070	0.061	0.16522
594890.82	4128577.25	0.065	0.134	0.116	0.31489
594902.32	4128588.75	0.065	0.134	0.116	0.31510
594913.18	4128600.89	0.065	0.133	0.116	0.31351
594902.06	4128562.56	0.055	0.113	0.098	0.26630
594913.57	4128574.06	0.056	0.114	0.099	0.26797
594924.43	4128586.2	0.056	0.114	0.099	0.26805
594943.24	4128641.96	0.060	0.123	0.107	0.29043
594916.1	4128666.97	0.086	0.175	0.152	0.41351
594927.17	4128654.17	0.073	0.149	0.130	0.35163
594957.7	4128630.49	0.052	0.105	0.092	0.24851
594964.69	4128642.88	0.050	0.101	0.088	0.23900
594977.71	4128652.73	0.044	0.090	0.078	0.21307

594970.41	4128622.55	0.046	0.093	0.081	0.22004
594981.84	4128615.88	0.041	0.084	0.073	0.19871
594988.83	4128606.35	0.038	0.079	0.068	0.18530
594988.51	4128641.61	0.040	0.082	0.071	0.19315
595001.53	4128630.49	0.036	0.073	0.064	0.17283
594813.87	4128831.08	0.024	0.048	0.042	0.11394
594828.18	4128830.83	0.022	0.044	0.038	0.10336
594852.69	4128831.18	0.018	0.036	0.031	0.08433
594610.06	4128785.72	0.033	0.067	0.058	0.15745
594592.81	4128786.36	0.028	0.056	0.049	0.13282
594611.14	4128819.74	0.029	0.060	0.052	0.14115
594589.57	4128819.84	0.025	0.050	0.044	0.11890
594588.48	4128835.99	0.023	0.047	0.041	0.11004
594612.24	4128836.53	0.027	0.055	0.047	0.12859
594574.44	4128791.98	0.023	0.047	0.041	0.11200
594577.14	4128779.29	0.024	0.049	0.043	0.11556
594550.94	4128790.9	0.019	0.039	0.034	0.09237
594557.96	4128779.56	0.020	0.041	0.036	0.09784
594537.98	4128785.23	0.017	0.035	0.031	0.08342
594527.72	4128780.37	0.016	0.033	0.028	0.07688
594571.47	4128835.72	0.020	0.042	0.036	0.09840
594554.99	4128827.89	0.019	0.038	0.033	0.09032
594540.68	4128821.41	0.017	0.035	0.031	0.08307
594521.24	4128816.28	0.015	0.031	0.027	0.07328
594500.45	4128816.01	0.013	0.027	0.024	0.06392
594482.9	4128816.01	0.012	0.024	0.021	0.05720
594512.33	4128784.69	0.014	0.029	0.025	0.06882
594518.81	4128769.84	0.015	0.030	0.026	0.07103
594490.46	4128781.18	0.012	0.025	0.022	0.05874
594463.46	4128816.55	0.011	0.022	0.019	0.05079
594474.8	4128788.2	0.011	0.023	0.020	0.05334
594569.94	4128717.94	0.020	0.042	0.036	0.09806
594576.93	4128700.78	0.021	0.042	0.036	0.09899
594562.95	4128701.42	0.018	0.037	0.032	0.08646
594567.4	4128690.62	0.018	0.037	0.032	0.08630
594569.3	4128677.59	0.017	0.035	0.030	0.08273
594651.12	4128634.24	0.040	0.081	0.070	0.19129
594638.83	4128633.85	0.032	0.065	0.057	0.15439
594618.73	4128637.95	0.024	0.050	0.043	0.11735
594599.61	4128635.02	0.019	0.038	0.033	0.08978
594577.18	4128634.44	0.014	0.029	0.025	0.06919
594557.86	4128635.02	0.012	0.024	0.021	0.05702

594542.45	4128643.61	0.011	0.022	0.019	0.05237
594541.86	4128632.1	0.010	0.020	0.018	0.04808
594531.43	4128643.7	0.010	0.020	0.018	0.04755
594530.84	4128632.19	0.009	0.019	0.016	0.04368
594540.11	4128655.31	0.012	0.023	0.020	0.05530
594518.69	4128738.15	0.014	0.028	0.024	0.06643
594499.87	4128737.46	0.012	0.024	0.021	0.05732
594472.79	4128739.52	0.010	0.020	0.017	0.04739
594513.64	4128720.93	0.013	0.026	0.022	0.06048
594512.27	4128702.11	0.012	0.024	0.020	0.05562
594510.66	4128692.01	0.011	0.022	0.019	0.05250
594477.61	4128716.57	0.009	0.019	0.017	0.04534
594478.52	4128700.28	0.009	0.018	0.016	0.04269
594478.75	4128690.18	0.008	0.017	0.015	0.04084
594477.26	4128678.47	0.008	0.016	0.014	0.03815
594477.49	4128668.37	0.008	0.015	0.013	0.03621
594512.95	4128634.86	0.008	0.016	0.014	0.03843
594493.21	4128634.4	0.007	0.014	0.012	0.03296
594479.9	4128636.24	0.006	0.013	0.011	0.03033
594520.41	4128546.93	0.004	0.008	0.007	0.01947
594506.37	4128547.06	0.004	0.008	0.007	0.01801
594490.43	4128547.26	0.003	0.007	0.006	0.01657
594543.41	4128516.78	0.004	0.007	0.006	0.01658
594528.11	4128515.67	0.003	0.006	0.006	0.01524
594514.07	4128515.8	0.003	0.006	0.005	0.01431
594498.14	4128516.01	0.003	0.006	0.005	0.01337
594521.34	4128494.93	0.003	0.005	0.005	0.01235
594492.14	4128494.79	0.002	0.005	0.004	0.01110
594507.26	4128495.18	0.002	0.005	0.004	0.01176
594596.96	4128603.83	0.014	0.028	0.025	0.06727
594597.02	4128588.09	0.012	0.024	0.021	0.05745
594576.88	4128589.98	0.010	0.020	0.017	0.04690
594553.64	4128588.55	0.008	0.016	0.014	0.03712
594538.01	4128588.04	0.007	0.014	0.012	0.03239
594516.04	4128591.11	0.006	0.012	0.010	0.02803
594513.59	4128574.71	0.005	0.010	0.009	0.02392
594493.57	4128590.27	0.005	0.010	0.009	0.02384
594760.51	4128824.14	0.037	0.076	0.066	0.18013
594520.63	4128867.68	0.014	0.028	0.024	0.06573
594503.08	4128867.68	0.012	0.025	0.022	0.06013
594483.64	4128868.22	0.011	0.023	0.020	0.05445
594520.63	4128893.02	0.012	0.025	0.022	0.06001

594503.08	4128893.02	0.012	0.024	0.021	0.05572
594483.64	4128893.56	0.011	0.022	0.019	0.05117
594463.73	4128893.02	0.010	0.020	0.017	0.04700
594468.42	4128866.12	0.011	0.021	0.019	0.05063
594565.38	4128882.18	0.016	0.032	0.028	0.07615
594561.5	4128916.3	0.013	0.026	0.023	0.06150
594552.23	4128934.41	0.011	0.023	0.020	0.05393
594566.42	4128896.15	0.015	0.030	0.026	0.07051
594528.39	4128942.69	0.010	0.021	0.018	0.04875
594510.84	4128942.69	0.010	0.020	0.017	0.04664
594491.4	4128943.23	0.009	0.019	0.016	0.04409
594471.41	4128940.8	0.009	0.018	0.015	0.04192
594605.25	4128901.88	0.016	0.032	0.028	0.07561
594621.14	4128901.88	0.016	0.033	0.029	0.07776
594635.12	4128902.2	0.016	0.033	0.029	0.07874
594640.52	4128886.63	0.019	0.039	0.034	0.09207
594606.52	4128881.86	0.018	0.038	0.033	0.08896
594625.27	4128881.86	0.019	0.040	0.035	0.09373
594603.03	4128926.98	0.013	0.026	0.023	0.06185
594619.87	4128927.61	0.013	0.026	0.023	0.06234
594638.29	4128927.3	0.013	0.027	0.023	0.06264
594852.47	4128984.02	0.004	0.009	0.008	0.02110
594849.93	4128999.27	0.004	0.008	0.007	0.01952
594870.26	4128985.29	0.004	0.008	0.007	0.01939
594876.3	4129002.45	0.004	0.007	0.006	0.01719
594893.77	4129021.83	0.003	0.006	0.005	0.01453
594894.41	4129003.08	0.003	0.007	0.006	0.01594
595091.6	4128755.33	0.008	0.016	0.014	0.03806
595109.41	4128755.33	0.007	0.014	0.012	0.03395
595093.43	4128736.06	0.009	0.019	0.017	0.04500
595111.25	4128736.06	0.008	0.017	0.015	0.03976
595029.54	4128756.5	0.013	0.025	0.022	0.05995
595046.67	4128741.76	0.013	0.026	0.023	0.06136
594992.37	4128751	0.020	0.039	0.034	0.09307
595004.01	4128740.39	0.020	0.040	0.035	0.09448
595130.48	4128770.73	0.006	0.011	0.010	0.02636
595129.26	4128740.39	0.007	0.014	0.013	0.03412
595153.5	4128684.24	0.009	0.019	0.016	0.04397
595153.04	4128700.7	0.008	0.017	0.015	0.03963
595176.21	4128770.73	0.004	0.009	0.008	0.02093
595177.13	4128794.07	0.004	0.008	0.007	0.01780
595158.31	4128805.34	0.004	0.008	0.007	0.01797

595152.35	4128779.19	0.005	0.009	0.008	0.02208
595180.8	4128815.43	0.003	0.007	0.006	0.01543
595204.2	4128820.02	0.003	0.006	0.005	0.01376
595140.88	4128720.46	0.008	0.016	0.014	0.03716
595166.57	4128720.46	0.007	0.013	0.012	0.03173
595172.54	4128700.27	0.007	0.015	0.013	0.03519
595195.48	4128710.82	0.006	0.012	0.011	0.02872
595189.05	4128689.72	0.007	0.014	0.013	0.03408
595204.65	4128688.34	0.007	0.013	0.012	0.03138
595195.94	4128735.6	0.005	0.010	0.009	0.02426
595175.75	4128744.32	0.005	0.011	0.009	0.02536
595202.36	4128779.64	0.004	0.007	0.006	0.01752
595203.74	4128760.37	0.004	0.008	0.007	0.01975
595216.58	4128741.56	0.004	0.009	0.008	0.02104
595217.96	4128723.67	0.005	0.010	0.009	0.02345
595219.34	4128702.56	0.006	0.011	0.010	0.02657
594850.37	4127951.3	0.001	0.002	0.002	0.00512
594852.13	4127935.04	0.001	0.002	0.002	0.00480
594898.07	4127967.2	0.001	0.002	0.002	0.00595
594931.28	4127981.33	0.001	0.003	0.002	0.00669
594934.82	4127965.79	0.001	0.003	0.002	0.00635
594899.13	4127944.23	0.001	0.002	0.002	0.00544
594898.78	4127930.8	0.001	0.002	0.002	0.00516
594934.46	4127945.65	0.001	0.002	0.002	0.00587
594928.81	4127927.62	0.001	0.002	0.002	0.00542
595340	4129093.59	0.002	0.003	0.002	0.00697
595349.49	4129109.17	0.002	0.003	0.002	0.00696
595373.19	4129128.81	0.002	0.003	0.002	0.00654
595405.7	4129155.9	0.001	0.002	0.002	0.00604
594828.06	4129208.24	0.002	0.004	0.003	0.00866
594853.46	4129207.91	0.002	0.003	0.003	0.00801
594825.42	4129228.03	0.002	0.003	0.003	0.00819
594850.82	4129227.7	0.002	0.003	0.003	0.00760
594827.4	4129248.81	0.002	0.003	0.003	0.00764
594852.8	4129248.48	0.001	0.003	0.003	0.00710
594896.99	4129195.71	0.002	0.003	0.003	0.00722
594922.38	4129195.38	0.001	0.003	0.002	0.00670
594891.71	4129220.12	0.001	0.003	0.002	0.00681
594917.11	4129219.79	0.001	0.003	0.002	0.00631
594891.71	4129241.88	0.001	0.003	0.002	0.00638
594917.11	4129241.55	0.001	0.002	0.002	0.00592
594893.69	4129262.33	0.001	0.003	0.002	0.00599

594919.09	4129262	0.001	0.002	0.002	0.00556
594893.36	4129285.74	0.001	0.002	0.002	0.00563
594918.76	4129285.41	0.001	0.002	0.002	0.00522
594825.75	4129273.54	0.002	0.003	0.003	0.00714
594851.15	4129273.21	0.001	0.003	0.002	0.00665
594828.06	4129297.28	0.001	0.003	0.002	0.00664
594853.46	4129296.95	0.001	0.003	0.002	0.00619
595429.03	4129137.08	0.001	0.002	0.002	0.00522
595398.56	4129118.5	0.001	0.002	0.002	0.00569
595323.48	4128976.53	0.001	0.003	0.002	0.00660
595337.6	4128998.08	0.001	0.003	0.002	0.00629
595353.21	4129028.56	0.001	0.003	0.002	0.00603
594282.32	4128355.01	0.001	0.002	0.001	0.00373
594281.57	4128369.95	0.001	0.002	0.001	0.00390
594237.72	4128344.51	0.001	0.001	0.001	0.00345
594236.97	4128359.46	0.001	0.002	0.001	0.00358
594240.34	4128380.37	0.001	0.002	0.001	0.00380
594239.59	4128395.32	0.001	0.002	0.001	0.00397
594227.72	4128414.08	0.001	0.002	0.002	0.00412
595154.49	4128556.43	0.014	0.028	0.024	0.06542
595544.9	4129513.26	0.002	0.003	0.003	0.00729
595560.09	4129522.66	0.002	0.003	0.003	0.00760
595546.35	4129534.23	0.001	0.002	0.002	0.00509
595565.51	4129536.76	0.001	0.002	0.002	0.00577
595570.93	4129559.54	0.001	0.001	0.001	0.00359
595545.62	4129557.37	0.001	0.001	0.001	0.00354

**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction**

**Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult**

**Cancer Potency Factor:** 1.1 (mg/kg-day)<sup>-1</sup>  
**Exposure Frequency** 350 days/year  
**Averaging Period** 25550 days

<b>Year</b>	<b>DPM Concentration (ug/m3)</b>	<b>Age Sensitivity Factor</b>	<b>Daily Breathing Rate (L/kg-day)</b>	<b>Time At Home Factor</b>	<b>Exposure Duration (years)</b>	<b>Unit Risk Factor (ug/m3)<sup>-1</sup></b>
1	1	1	261	0.73	0.59	1.7
2	1	1	261	0.73	1	2.9
3	1	1	261	0.73	0.87	2.5

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction at Sensitive Receptors**

**Estimated Cancer Risks from Construction DPM - Adult Receptors**

X (m)	Y (m)	Adult Cancer	Adult Cancer	Adult Cancer	Total Cancer Risk (/million)	Maximum Cancer Risk 0.1 BAAQMD threshold of significance 10 Exceed thresholds? No
		Risk (year 1) 2020 (/million)	Risk (year 2) 2021 (/million)	Risk (year 3) 2022 (/million)		
593913.11	4129158.33	0.000	0.001	0.000	0.00130	
593960.92	4129158.33	0.000	0.001	0.000	0.00142	
594008.73	4129158.33	0.000	0.001	0.001	0.00155	
594056.54	4129158.33	0.000	0.001	0.001	0.00169	
594104.35	4129158.33	0.000	0.001	0.001	0.00185	
594152.16	4129158.33	0.000	0.001	0.001	0.00201	
594199.97	4129158.33	0.000	0.001	0.001	0.00217	
594247.78	4129158.33	0.000	0.001	0.001	0.00233	
594295.59	4129158.33	0.000	0.001	0.001	0.00247	
594343.4	4129158.33	0.001	0.001	0.001	0.00259	
594391.21	4129158.33	0.001	0.001	0.001	0.00267	
594439.02	4129158.33	0.001	0.001	0.001	0.00270	
594486.83	4129158.33	0.001	0.001	0.001	0.00268	
594534.64	4129158.33	0.001	0.001	0.001	0.00262	
594582.45	4129158.33	0.000	0.001	0.001	0.00251	
594630.26	4129158.33	0.000	0.001	0.001	0.00236	
593913.11	4129192.59	0.000	0.001	0.000	0.00127	
593960.92	4129192.59	0.000	0.001	0.000	0.00138	
594008.73	4129192.59	0.000	0.001	0.001	0.00150	
594056.54	4129192.59	0.000	0.001	0.001	0.00163	
594104.35	4129192.59	0.000	0.001	0.001	0.00176	
594152.16	4129192.59	0.000	0.001	0.001	0.00189	
594199.97	4129192.59	0.000	0.001	0.001	0.00202	
594247.78	4129192.59	0.000	0.001	0.001	0.00214	
594295.59	4129192.59	0.000	0.001	0.001	0.00224	
594343.4	4129192.59	0.000	0.001	0.001	0.00232	
594391.21	4129192.59	0.000	0.001	0.001	0.00236	
594439.02	4129192.59	0.000	0.001	0.001	0.00236	
594486.83	4129192.59	0.000	0.001	0.001	0.00233	
594534.64	4129192.59	0.000	0.001	0.001	0.00226	
594582.45	4129192.59	0.000	0.001	0.001	0.00216	



594630.26	4129192.59	0.000	0.001	0.001	0.00203
593913.11	4129226.85	0.000	0.001	0.000	0.00125
593960.92	4129226.85	0.000	0.001	0.000	0.00134
594008.73	4129226.85	0.000	0.001	0.001	0.00145
594056.54	4129226.85	0.000	0.001	0.001	0.00156
594104.35	4129226.85	0.000	0.001	0.001	0.00167
594152.16	4129226.85	0.000	0.001	0.001	0.00178
594199.97	4129226.85	0.000	0.001	0.001	0.00188
594247.78	4129226.85	0.000	0.001	0.001	0.00197
594295.59	4129226.85	0.000	0.001	0.001	0.00203
594343.4	4129226.85	0.000	0.001	0.001	0.00207
594391.21	4129226.85	0.000	0.001	0.001	0.00209
594439.02	4129226.85	0.000	0.001	0.001	0.00207
594486.83	4129226.85	0.000	0.001	0.001	0.00203
594534.64	4129226.85	0.000	0.001	0.001	0.00196
594582.45	4129226.85	0.000	0.001	0.001	0.00187
594630.26	4129226.85	0.000	0.001	0.001	0.00177
593913.11	4129261.11	0.000	0.001	0.000	0.00121
593960.92	4129261.11	0.000	0.001	0.000	0.00130
594008.73	4129261.11	0.000	0.001	0.000	0.00139
594056.54	4129261.11	0.000	0.001	0.001	0.00149
594104.35	4129261.11	0.000	0.001	0.001	0.00158
594152.16	4129261.11	0.000	0.001	0.001	0.00166
594199.97	4129261.11	0.000	0.001	0.001	0.00174
594247.78	4129261.11	0.000	0.001	0.001	0.00180
594295.59	4129261.11	0.000	0.001	0.001	0.00184
594343.4	4129261.11	0.000	0.001	0.001	0.00186
594391.21	4129261.11	0.000	0.001	0.001	0.00185
594439.02	4129261.11	0.000	0.001	0.001	0.00183
594486.83	4129261.11	0.000	0.001	0.001	0.00179
594534.64	4129261.11	0.000	0.001	0.001	0.00173
594582.45	4129261.11	0.000	0.001	0.001	0.00164
594630.26	4129261.11	0.000	0.001	0.001	0.00155
593913.11	4129295.37	0.000	0.001	0.000	0.00117
593960.92	4129295.37	0.000	0.001	0.000	0.00125
594008.73	4129295.37	0.000	0.001	0.000	0.00133
594056.54	4129295.37	0.000	0.001	0.000	0.00141
594104.35	4129295.37	0.000	0.001	0.001	0.00148
594152.16	4129295.37	0.000	0.001	0.001	0.00155
594199.97	4129295.37	0.000	0.001	0.001	0.00160

594247.78	4129295.37	0.000	0.001	0.001	0.00164
594295.59	4129295.37	0.000	0.001	0.001	0.00166
594343.4	4129295.37	0.000	0.001	0.001	0.00167
594391.21	4129295.37	0.000	0.001	0.001	0.00165
594439.02	4129295.37	0.000	0.001	0.001	0.00162
594486.83	4129295.37	0.000	0.001	0.001	0.00158
594534.64	4129295.37	0.000	0.001	0.001	0.00153
594582.45	4129295.37	0.000	0.001	0.001	0.00145
594630.26	4129295.37	0.000	0.001	0.000	0.00137
593913.11	4129329.63	0.000	0.001	0.000	0.00113
593960.92	4129329.63	0.000	0.001	0.000	0.00120
594008.73	4129329.63	0.000	0.001	0.000	0.00127
594056.54	4129329.63	0.000	0.001	0.000	0.00133
594104.35	4129329.63	0.000	0.001	0.000	0.00139
594152.16	4129329.63	0.000	0.001	0.000	0.00144
594199.97	4129329.63	0.000	0.001	0.001	0.00148
594247.78	4129329.63	0.000	0.001	0.001	0.00150
594295.59	4129329.63	0.000	0.001	0.001	0.00151
594343.4	4129329.63	0.000	0.001	0.001	0.00150
594391.21	4129329.63	0.000	0.001	0.001	0.00148
594439.02	4129329.63	0.000	0.001	0.001	0.00145
594486.83	4129329.63	0.000	0.001	0.000	0.00141
594534.64	4129329.63	0.000	0.001	0.000	0.00136
594582.45	4129329.63	0.000	0.001	0.000	0.00129
594630.26	4129329.63	0.000	0.001	0.000	0.00123
593913.11	4129363.89	0.000	0.000	0.000	0.00109
593960.92	4129363.89	0.000	0.001	0.000	0.00115
594008.73	4129363.89	0.000	0.001	0.000	0.00120
594056.54	4129363.89	0.000	0.001	0.000	0.00126
594104.35	4129363.89	0.000	0.001	0.000	0.00130
594152.16	4129363.89	0.000	0.001	0.000	0.00133
594199.97	4129363.89	0.000	0.001	0.000	0.00136
594247.78	4129363.89	0.000	0.001	0.000	0.00137
594295.59	4129363.89	0.000	0.001	0.000	0.00136
594343.4	4129363.89	0.000	0.001	0.000	0.00135
594391.21	4129363.89	0.000	0.001	0.000	0.00133
594439.02	4129363.89	0.000	0.001	0.000	0.00131
594486.83	4129363.89	0.000	0.001	0.000	0.00127
594534.64	4129363.89	0.000	0.001	0.000	0.00122
594582.45	4129363.89	0.000	0.001	0.000	0.00116

594630.26	4129363.89	0.000	0.001	0.000	0.00110
593913.11	4129398.15	0.000	0.000	0.000	0.00105
593960.92	4129398.15	0.000	0.001	0.000	0.00109
594008.73	4129398.15	0.000	0.001	0.000	0.00114
594056.54	4129398.15	0.000	0.001	0.000	0.00118
594104.35	4129398.15	0.000	0.001	0.000	0.00121
594152.16	4129398.15	0.000	0.001	0.000	0.00124
594199.97	4129398.15	0.000	0.001	0.000	0.00125
594247.78	4129398.15	0.000	0.001	0.000	0.00125
594295.59	4129398.15	0.000	0.001	0.000	0.00124
594343.4	4129398.15	0.000	0.001	0.000	0.00123
594391.21	4129398.15	0.000	0.001	0.000	0.00121
594439.02	4129398.15	0.000	0.001	0.000	0.00118
594486.83	4129398.15	0.000	0.001	0.000	0.00115
594534.64	4129398.15	0.000	0.001	0.000	0.00110
594582.45	4129398.15	0.000	0.000	0.000	0.00105
594630.26	4129398.15	0.000	0.000	0.000	0.00100
593913.11	4129432.41	0.000	0.000	0.000	0.00100
593960.92	4129432.41	0.000	0.000	0.000	0.00104
594008.73	4129432.41	0.000	0.000	0.000	0.00108
594056.54	4129432.41	0.000	0.001	0.000	0.00111
594104.35	4129432.41	0.000	0.001	0.000	0.00113
594152.16	4129432.41	0.000	0.001	0.000	0.00114
594199.97	4129432.41	0.000	0.001	0.000	0.00115
594247.78	4129432.41	0.000	0.001	0.000	0.00114
594295.59	4129432.41	0.000	0.001	0.000	0.00113
594343.4	4129432.41	0.000	0.001	0.000	0.00112
594391.21	4129432.41	0.000	0.001	0.000	0.00110
594439.02	4129432.41	0.000	0.000	0.000	0.00107
594486.83	4129432.41	0.000	0.000	0.000	0.00104
594534.64	4129432.41	0.000	0.000	0.000	0.00100
594582.45	4129432.41	0.000	0.000	0.000	0.00095
594630.26	4129432.41	0.000	0.000	0.000	0.00091
593913.11	4129466.67	0.000	0.000	0.000	0.00095
593960.92	4129466.67	0.000	0.000	0.000	0.00099
594008.73	4129466.67	0.000	0.000	0.000	0.00101
594056.54	4129466.67	0.000	0.000	0.000	0.00104
594104.35	4129466.67	0.000	0.000	0.000	0.00105
594152.16	4129466.67	0.000	0.000	0.000	0.00106
594199.97	4129466.67	0.000	0.000	0.000	0.00105

594247.78	4129466.67	0.000	0.000	0.000	0.00105
594295.59	4129466.67	0.000	0.000	0.000	0.00103
594343.4	4129466.67	0.000	0.000	0.000	0.00102
594391.21	4129466.67	0.000	0.000	0.000	0.00100
594439.02	4129466.67	0.000	0.000	0.000	0.00098
594486.83	4129466.67	0.000	0.000	0.000	0.00095
594534.64	4129466.67	0.000	0.000	0.000	0.00091
594582.45	4129466.67	0.000	0.000	0.000	0.00087
594630.26	4129466.67	0.000	0.000	0.000	0.00083
594331.14	4128962.5	0.001	0.002	0.001	0.00415
594357.05	4128962.5	0.001	0.002	0.002	0.00451
594382.96	4128962.5	0.001	0.002	0.002	0.00489
594408.87	4128962.5	0.001	0.002	0.002	0.00530
594434.78	4128962.5	0.001	0.003	0.002	0.00572
594460.69	4128962.5	0.001	0.003	0.002	0.00615
594486.6	4128962.5	0.001	0.003	0.002	0.00658
594331.14	4129004.55	0.001	0.002	0.001	0.00386
594357.05	4129004.55	0.001	0.002	0.001	0.00413
594382.96	4129004.55	0.001	0.002	0.002	0.00441
594408.87	4129004.55	0.001	0.002	0.002	0.00469
594434.78	4129004.55	0.001	0.002	0.002	0.00496
594460.69	4129004.55	0.001	0.002	0.002	0.00522
594486.6	4129004.55	0.001	0.002	0.002	0.00544
594331.14	4129046.6	0.001	0.002	0.001	0.00351
594357.05	4129046.6	0.001	0.002	0.001	0.00370
594382.96	4129046.6	0.001	0.002	0.001	0.00389
594408.87	4129046.6	0.001	0.002	0.001	0.00407
594434.78	4129046.6	0.001	0.002	0.001	0.00423
594460.69	4129046.6	0.001	0.002	0.002	0.00436
594486.6	4129046.6	0.001	0.002	0.002	0.00447
594331.14	4129088.65	0.001	0.001	0.001	0.00314
594357.05	4129088.65	0.001	0.001	0.001	0.00327
594382.96	4129088.65	0.001	0.002	0.001	0.00339
594408.87	4129088.65	0.001	0.002	0.001	0.00349
594434.78	4129088.65	0.001	0.002	0.001	0.00357
594460.69	4129088.65	0.001	0.002	0.001	0.00363
594486.6	4129088.65	0.001	0.002	0.001	0.00367
594331.14	4129130.7	0.001	0.001	0.001	0.00278
594357.05	4129130.7	0.001	0.001	0.001	0.00286
594382.96	4129130.7	0.001	0.001	0.001	0.00293

594408.87	4129130.7	0.001	0.001	0.001	0.00298
594434.78	4129130.7	0.001	0.001	0.001	0.00301
594460.69	4129130.7	0.001	0.001	0.001	0.00303
594486.6	4129130.7	0.001	0.001	0.001	0.00303
595047.1	4127721.65	0.000	0.000	0.000	0.00055
595080.55	4127721.65	0.000	0.000	0.000	0.00059
595047.1	4127745.31	0.000	0.000	0.000	0.00060
595080.55	4127745.31	0.000	0.000	0.000	0.00064
595047.1	4127768.97	0.000	0.000	0.000	0.00064
595080.55	4127768.97	0.000	0.000	0.000	0.00069
595047.1	4127792.63	0.000	0.000	0.000	0.00070
595080.55	4127792.63	0.000	0.000	0.000	0.00074
595047.1	4127816.29	0.000	0.000	0.000	0.00076
595080.55	4127816.29	0.000	0.000	0.000	0.00080
595047.1	4127839.95	0.000	0.000	0.000	0.00082
595080.55	4127839.95	0.000	0.000	0.000	0.00087
595047.1	4127863.61	0.000	0.000	0.000	0.00089
595080.55	4127863.61	0.000	0.000	0.000	0.00095
595047.1	4127887.27	0.000	0.000	0.000	0.00097
595080.55	4127887.27	0.000	0.000	0.000	0.00103
595047.1	4127910.93	0.000	0.000	0.000	0.00106
595080.55	4127910.93	0.000	0.001	0.000	0.00112
595047.1	4127934.59	0.000	0.001	0.000	0.00116
595080.55	4127934.59	0.000	0.001	0.000	0.00123
595047.1	4127958.25	0.000	0.001	0.000	0.00127
595080.55	4127958.25	0.000	0.001	0.000	0.00134
595047.1	4127981.91	0.000	0.001	0.000	0.00139
595080.55	4127981.91	0.000	0.001	0.001	0.00146
595047.1	4128005.57	0.000	0.001	0.001	0.00152
595080.55	4128005.57	0.000	0.001	0.001	0.00161
595047.1	4128029.23	0.000	0.001	0.001	0.00168
595080.55	4128029.23	0.000	0.001	0.001	0.00177
595047.1	4128052.89	0.000	0.001	0.001	0.00185
595080.55	4128052.89	0.000	0.001	0.001	0.00195
594886.23	4127719.27	0.000	0.000	0.000	0.00038
594950.74	4127719.27	0.000	0.000	0.000	0.00044
594886.23	4127747.71	0.000	0.000	0.000	0.00042
594950.74	4127747.71	0.000	0.000	0.000	0.00049
594886.23	4127776.15	0.000	0.000	0.000	0.00046
594950.74	4127776.15	0.000	0.000	0.000	0.00054

594886.23	4127804.59	0.000	0.000	0.000	0.00051
594950.74	4127804.59	0.000	0.000	0.000	0.00059
594886.23	4127833.03	0.000	0.000	0.000	0.00057
594950.74	4127833.03	0.000	0.000	0.000	0.00066
594886.23	4127861.47	0.000	0.000	0.000	0.00063
594950.74	4127861.47	0.000	0.000	0.000	0.00073
594886.23	4127889.91	0.000	0.000	0.000	0.00070
594950.74	4127889.91	0.000	0.000	0.000	0.00081
594886.23	4127918.35	0.000	0.000	0.000	0.00078
594950.74	4127918.35	0.000	0.000	0.000	0.00090
594834.46	4127713.69	0.000	0.000	0.000	0.00033
594862.34	4127713.69	0.000	0.000	0.000	0.00035
594834.46	4127736.34	0.000	0.000	0.000	0.00035
594862.34	4127736.34	0.000	0.000	0.000	0.00038
594834.46	4127758.99	0.000	0.000	0.000	0.00038
594862.34	4127758.99	0.000	0.000	0.000	0.00041
594834.46	4127781.64	0.000	0.000	0.000	0.00041
594862.34	4127781.64	0.000	0.000	0.000	0.00044
594834.46	4127804.29	0.000	0.000	0.000	0.00045
594862.34	4127804.29	0.000	0.000	0.000	0.00048
594834.46	4127826.94	0.000	0.000	0.000	0.00049
594862.34	4127826.94	0.000	0.000	0.000	0.00052
594834.46	4127849.59	0.000	0.000	0.000	0.00053
594862.34	4127849.59	0.000	0.000	0.000	0.00057
594834.46	4127872.24	0.000	0.000	0.000	0.00058
594862.34	4127872.24	0.000	0.000	0.000	0.00062
594834.46	4127894.89	0.000	0.000	0.000	0.00064
594862.34	4127894.89	0.000	0.000	0.000	0.00068
594834.46	4127917.54	0.000	0.000	0.000	0.00071
594862.34	4127917.54	0.000	0.000	0.000	0.00075
595026.39	4127722.45	0.000	0.000	0.000	0.00053
595026.39	4127759.08	0.000	0.000	0.000	0.00060
595026.39	4127795.71	0.000	0.000	0.000	0.00068
595026.39	4127832.34	0.000	0.000	0.000	0.00077
595026.39	4127868.97	0.000	0.000	0.000	0.00087
595026.39	4127905.6	0.000	0.000	0.000	0.00100
595026.39	4127942.23	0.000	0.001	0.000	0.00114
595026.39	4127978.86	0.000	0.001	0.000	0.00132
595026.39	4128015.49	0.000	0.001	0.001	0.00153
595026.39	4128052.12	0.000	0.001	0.001	0.00178

594967.92	4128313.02	0.001	0.003	0.002	0.00649
594989.44	4128313.02	0.001	0.003	0.002	0.00659
595010.96	4128313.02	0.001	0.003	0.002	0.00664
595032.48	4128313.02	0.001	0.003	0.002	0.00665
595054	4128313.02	0.001	0.003	0.002	0.00661
595075.52	4128313.02	0.001	0.003	0.002	0.00653
594967.92	4128341.65	0.002	0.004	0.003	0.00784
594989.44	4128341.65	0.002	0.004	0.003	0.00789
595010.96	4128341.65	0.002	0.004	0.003	0.00787
595032.48	4128341.65	0.002	0.004	0.003	0.00780
595054	4128341.65	0.002	0.004	0.003	0.00768
595075.52	4128341.65	0.001	0.003	0.003	0.00753
594967.92	4128370.28	0.002	0.004	0.003	0.00952
594989.44	4128370.28	0.002	0.004	0.003	0.00946
595010.96	4128370.28	0.002	0.004	0.003	0.00934
595032.48	4128370.28	0.002	0.004	0.003	0.00915
595054	4128370.28	0.002	0.004	0.003	0.00892
595075.52	4128370.28	0.002	0.004	0.003	0.00865
594967.92	4128398.91	0.002	0.005	0.004	0.01157
594989.44	4128398.91	0.002	0.005	0.004	0.01135
595010.96	4128398.91	0.002	0.005	0.004	0.01106
595032.48	4128398.91	0.002	0.005	0.004	0.01071
595054	4128398.91	0.002	0.005	0.004	0.01031
595075.52	4128398.91	0.002	0.005	0.003	0.00989
594967.92	4128427.54	0.003	0.006	0.005	0.01405
594989.44	4128427.54	0.003	0.006	0.005	0.01357
595010.96	4128427.54	0.003	0.006	0.005	0.01303
595032.48	4128427.54	0.002	0.006	0.004	0.01244
595054	4128427.54	0.002	0.005	0.004	0.01183
595075.52	4128427.54	0.002	0.005	0.004	0.01121
595000.73	4128430.99	0.003	0.006	0.005	0.01356
595032.09	4128430.99	0.002	0.006	0.004	0.01268
595063.45	4128430.99	0.002	0.005	0.004	0.01174
595000.73	4128448.25	0.003	0.007	0.005	0.01497
595032.09	4128448.25	0.003	0.006	0.005	0.01381
595063.45	4128448.25	0.002	0.006	0.004	0.01264
595000.73	4128465.51	0.003	0.008	0.006	0.01646
595032.09	4128465.51	0.003	0.007	0.005	0.01498
595063.45	4128465.51	0.003	0.006	0.005	0.01355
595056.55	4128477.03	0.003	0.007	0.005	0.01450

595097.42	4128477.03	0.002	0.006	0.004	0.01252
595138.29	4128477.03	0.002	0.005	0.004	0.01076
595056.55	4128506.38	0.003	0.007	0.006	0.01605
595097.42	4128506.38	0.003	0.006	0.005	0.01351
595138.29	4128506.38	0.002	0.005	0.004	0.01135
595185.07	4128542.78	0.002	0.004	0.003	0.00931
595200.24	4128542.78	0.002	0.004	0.003	0.00865
595215.41	4128542.78	0.002	0.004	0.003	0.00804
595230.58	4128542.78	0.001	0.003	0.003	0.00748
595245.75	4128542.78	0.001	0.003	0.002	0.00697
595260.92	4128542.78	0.001	0.003	0.002	0.00649
595276.09	4128542.78	0.001	0.003	0.002	0.00605
595291.26	4128542.78	0.001	0.003	0.002	0.00565
595306.43	4128542.78	0.001	0.002	0.002	0.00528
595321.6	4128542.78	0.001	0.002	0.002	0.00494
595185.07	4128563.98	0.002	0.004	0.003	0.00914
595200.24	4128563.98	0.002	0.004	0.003	0.00846
595215.41	4128563.98	0.002	0.004	0.003	0.00783
595230.58	4128563.98	0.001	0.003	0.003	0.00725
595245.75	4128563.98	0.001	0.003	0.002	0.00673
595260.92	4128563.98	0.001	0.003	0.002	0.00625
595276.09	4128563.98	0.001	0.003	0.002	0.00581
595291.26	4128563.98	0.001	0.002	0.002	0.00541
595306.43	4128563.98	0.001	0.002	0.002	0.00504
595321.6	4128563.98	0.001	0.002	0.002	0.00470
595185.07	4128585.18	0.002	0.004	0.003	0.00882
595200.24	4128585.18	0.002	0.004	0.003	0.00813
595215.41	4128585.18	0.001	0.003	0.003	0.00750
595230.58	4128585.18	0.001	0.003	0.002	0.00692
595245.75	4128585.18	0.001	0.003	0.002	0.00640
595260.92	4128585.18	0.001	0.003	0.002	0.00593
595276.09	4128585.18	0.001	0.003	0.002	0.00550
595291.26	4128585.18	0.001	0.002	0.002	0.00511
595306.43	4128585.18	0.001	0.002	0.002	0.00475
595321.6	4128585.18	0.001	0.002	0.002	0.00443
595185.07	4128606.38	0.002	0.004	0.003	0.00835
595200.24	4128606.38	0.002	0.004	0.003	0.00767
595215.41	4128606.38	0.001	0.003	0.002	0.00706
595230.58	4128606.38	0.001	0.003	0.002	0.00651
595245.75	4128606.38	0.001	0.003	0.002	0.00600



595260.92	4128606.38	0.001	0.003	0.002	0.00555
595276.09	4128606.38	0.001	0.002	0.002	0.00514
595291.26	4128606.38	0.001	0.002	0.002	0.00477
595306.43	4128606.38	0.001	0.002	0.002	0.00443
595321.6	4128606.38	0.001	0.002	0.001	0.00412
595343.81	4128516.24	0.001	0.002	0.002	0.00472
595380.27	4128516.24	0.001	0.002	0.001	0.00408
595416.73	4128516.24	0.001	0.002	0.001	0.00354
595453.19	4128516.24	0.001	0.001	0.001	0.00308
595343.81	4128534.78	0.001	0.002	0.002	0.00457
595380.27	4128534.78	0.001	0.002	0.001	0.00393
595416.73	4128534.78	0.001	0.002	0.001	0.00339
595453.19	4128534.78	0.001	0.001	0.001	0.00295
595343.81	4128553.32	0.001	0.002	0.002	0.00438
595380.27	4128553.32	0.001	0.002	0.001	0.00375
595416.73	4128553.32	0.001	0.001	0.001	0.00324
595453.19	4128553.32	0.001	0.001	0.001	0.00281
595343.81	4128571.86	0.001	0.002	0.001	0.00417
595380.27	4128571.86	0.001	0.002	0.001	0.00356
595416.73	4128571.86	0.001	0.001	0.001	0.00307
595453.19	4128571.86	0.001	0.001	0.001	0.00266
595343.81	4128590.4	0.001	0.002	0.001	0.00394
595380.27	4128590.4	0.001	0.002	0.001	0.00336
595416.73	4128590.4	0.001	0.001	0.001	0.00289
595453.19	4128590.4	0.000	0.001	0.001	0.00251
595343.81	4128608.94	0.001	0.002	0.001	0.00369
595380.27	4128608.94	0.001	0.001	0.001	0.00314
595416.73	4128608.94	0.001	0.001	0.001	0.00270
595453.19	4128608.94	0.000	0.001	0.001	0.00235
595459.33	4128741.51	0.000	0.001	0.000	0.00140
595488.36	4128741.51	0.000	0.001	0.000	0.00128
595517.39	4128741.51	0.000	0.001	0.000	0.00118
595546.42	4128741.51	0.000	0.000	0.000	0.00109
595575.45	4128741.51	0.000	0.000	0.000	0.00103
595604.48	4128741.51	0.000	0.000	0.000	0.00096
595633.51	4128741.51	0.000	0.000	0.000	0.00090
595662.54	4128741.51	0.000	0.000	0.000	0.00084
595691.57	4128741.51	0.000	0.000	0.000	0.00079
595720.6	4128741.51	0.000	0.000	0.000	0.00074
595749.63	4128741.51	0.000	0.000	0.000	0.00070

595778.66	4128741.51	0.000	0.000	0.000	0.00066
595807.69	4128741.51	0.000	0.000	0.000	0.00063
595836.72	4128741.51	0.000	0.000	0.000	0.00060
595865.75	4128741.51	0.000	0.000	0.000	0.00057
595894.78	4128741.51	0.000	0.000	0.000	0.00054
595923.81	4128741.51	0.000	0.000	0.000	0.00051
595952.84	4128741.51	0.000	0.000	0.000	0.00049
595981.87	4128741.51	0.000	0.000	0.000	0.00047
596010.9	4128741.51	0.000	0.000	0.000	0.00045
596039.93	4128741.51	0.000	0.000	0.000	0.00043
595459.33	4128760.66	0.000	0.001	0.000	0.00130
595488.36	4128760.66	0.000	0.001	0.000	0.00120
595517.39	4128760.66	0.000	0.001	0.000	0.00111
595546.42	4128760.66	0.000	0.000	0.000	0.00103
595575.45	4128760.66	0.000	0.000	0.000	0.00096
595604.48	4128760.66	0.000	0.000	0.000	0.00090
595633.51	4128760.66	0.000	0.000	0.000	0.00085
595662.54	4128760.66	0.000	0.000	0.000	0.00080
595691.57	4128760.66	0.000	0.000	0.000	0.00075
595720.6	4128760.66	0.000	0.000	0.000	0.00071
595749.63	4128760.66	0.000	0.000	0.000	0.00067
595778.66	4128760.66	0.000	0.000	0.000	0.00064
595807.69	4128760.66	0.000	0.000	0.000	0.00061
595836.72	4128760.66	0.000	0.000	0.000	0.00058
595865.75	4128760.66	0.000	0.000	0.000	0.00055
595894.78	4128760.66	0.000	0.000	0.000	0.00052
595923.81	4128760.66	0.000	0.000	0.000	0.00050
595952.84	4128760.66	0.000	0.000	0.000	0.00048
595981.87	4128760.66	0.000	0.000	0.000	0.00045
596010.9	4128760.66	0.000	0.000	0.000	0.00044
596039.93	4128760.66	0.000	0.000	0.000	0.00042
595459.33	4128779.81	0.000	0.001	0.000	0.00122
595488.36	4128779.81	0.000	0.001	0.000	0.00113
595517.39	4128779.81	0.000	0.000	0.000	0.00104
595546.42	4128779.81	0.000	0.000	0.000	0.00097
595575.45	4128779.81	0.000	0.000	0.000	0.00091
595604.48	4128779.81	0.000	0.000	0.000	0.00085
595633.51	4128779.81	0.000	0.000	0.000	0.00080
595662.54	4128779.81	0.000	0.000	0.000	0.00076
595691.57	4128779.81	0.000	0.000	0.000	0.00071

595720.6	4128779.81	0.000	0.000	0.000	0.00068
595749.63	4128779.81	0.000	0.000	0.000	0.00064
595778.66	4128779.81	0.000	0.000	0.000	0.00061
595807.69	4128779.81	0.000	0.000	0.000	0.00058
595836.72	4128779.81	0.000	0.000	0.000	0.00055
595865.75	4128779.81	0.000	0.000	0.000	0.00053
595894.78	4128779.81	0.000	0.000	0.000	0.00050
595923.81	4128779.81	0.000	0.000	0.000	0.00048
595952.84	4128779.81	0.000	0.000	0.000	0.00046
595981.87	4128779.81	0.000	0.000	0.000	0.00044
596010.9	4128779.81	0.000	0.000	0.000	0.00042
596039.93	4128779.81	0.000	0.000	0.000	0.00041
595459.33	4128798.96	0.000	0.001	0.000	0.00113
595488.36	4128798.96	0.000	0.000	0.000	0.00106
595517.39	4128798.96	0.000	0.000	0.000	0.00098
595546.42	4128798.96	0.000	0.000	0.000	0.00091
595575.45	4128798.96	0.000	0.000	0.000	0.00086
595604.48	4128798.96	0.000	0.000	0.000	0.00081
595633.51	4128798.96	0.000	0.000	0.000	0.00076
595662.54	4128798.96	0.000	0.000	0.000	0.00072
595691.57	4128798.96	0.000	0.000	0.000	0.00068
595720.6	4128798.96	0.000	0.000	0.000	0.00064
595749.63	4128798.96	0.000	0.000	0.000	0.00061
595778.66	4128798.96	0.000	0.000	0.000	0.00059
595807.69	4128798.96	0.000	0.000	0.000	0.00056
595836.72	4128798.96	0.000	0.000	0.000	0.00053
595865.75	4128798.96	0.000	0.000	0.000	0.00051
595894.78	4128798.96	0.000	0.000	0.000	0.00049
595923.81	4128798.96	0.000	0.000	0.000	0.00047
595952.84	4128798.96	0.000	0.000	0.000	0.00045
595981.87	4128798.96	0.000	0.000	0.000	0.00043
596010.9	4128798.96	0.000	0.000	0.000	0.00041
596039.93	4128798.96	0.000	0.000	0.000	0.00039
595459.33	4128818.11	0.000	0.000	0.000	0.00106
595488.36	4128818.11	0.000	0.000	0.000	0.00099
595517.39	4128818.11	0.000	0.000	0.000	0.00092
595546.42	4128818.11	0.000	0.000	0.000	0.00086
595575.45	4128818.11	0.000	0.000	0.000	0.00081
595604.48	4128818.11	0.000	0.000	0.000	0.00076
595633.51	4128818.11	0.000	0.000	0.000	0.00072

595662.54	4128818.11	0.000	0.000	0.000	0.00069
595691.57	4128818.11	0.000	0.000	0.000	0.00065
595720.6	4128818.11	0.000	0.000	0.000	0.00061
595749.63	4128818.11	0.000	0.000	0.000	0.00059
595778.66	4128818.11	0.000	0.000	0.000	0.00056
595807.69	4128818.11	0.000	0.000	0.000	0.00053
595836.72	4128818.11	0.000	0.000	0.000	0.00051
595865.75	4128818.11	0.000	0.000	0.000	0.00049
595894.78	4128818.11	0.000	0.000	0.000	0.00047
595923.81	4128818.11	0.000	0.000	0.000	0.00045
595952.84	4128818.11	0.000	0.000	0.000	0.00043
595981.87	4128818.11	0.000	0.000	0.000	0.00041
596010.9	4128818.11	0.000	0.000	0.000	0.00040
596039.93	4128818.11	0.000	0.000	0.000	0.00038
595459.33	4128837.26	0.000	0.000	0.000	0.00099
595488.36	4128837.26	0.000	0.000	0.000	0.00093
595517.39	4128837.26	0.000	0.000	0.000	0.00087
595546.42	4128837.26	0.000	0.000	0.000	0.00081
595575.45	4128837.26	0.000	0.000	0.000	0.00077
595604.48	4128837.26	0.000	0.000	0.000	0.00073
595633.51	4128837.26	0.000	0.000	0.000	0.00069
595662.54	4128837.26	0.000	0.000	0.000	0.00065
595691.57	4128837.26	0.000	0.000	0.000	0.00062
595720.6	4128837.26	0.000	0.000	0.000	0.00059
595749.63	4128837.26	0.000	0.000	0.000	0.00056
595778.66	4128837.26	0.000	0.000	0.000	0.00053
595807.69	4128837.26	0.000	0.000	0.000	0.00051
595836.72	4128837.26	0.000	0.000	0.000	0.00049
595865.75	4128837.26	0.000	0.000	0.000	0.00047
595894.78	4128837.26	0.000	0.000	0.000	0.00045
595923.81	4128837.26	0.000	0.000	0.000	0.00043
595952.84	4128837.26	0.000	0.000	0.000	0.00042
595981.87	4128837.26	0.000	0.000	0.000	0.00040
596010.9	4128837.26	0.000	0.000	0.000	0.00038
596039.93	4128837.26	0.000	0.000	0.000	0.00037
595459.33	4128856.41	0.000	0.000	0.000	0.00093
595488.36	4128856.41	0.000	0.000	0.000	0.00087
595517.39	4128856.41	0.000	0.000	0.000	0.00082
595546.42	4128856.41	0.000	0.000	0.000	0.00077
595575.45	4128856.41	0.000	0.000	0.000	0.00073

595604.48	4128856.41	0.000	0.000	0.000	0.00069
595633.51	4128856.41	0.000	0.000	0.000	0.00066
595662.54	4128856.41	0.000	0.000	0.000	0.00063
595691.57	4128856.41	0.000	0.000	0.000	0.00059
595720.6	4128856.41	0.000	0.000	0.000	0.00056
595749.63	4128856.41	0.000	0.000	0.000	0.00054
595778.66	4128856.41	0.000	0.000	0.000	0.00051
595807.69	4128856.41	0.000	0.000	0.000	0.00049
595836.72	4128856.41	0.000	0.000	0.000	0.00047
595865.75	4128856.41	0.000	0.000	0.000	0.00045
595894.78	4128856.41	0.000	0.000	0.000	0.00044
595923.81	4128856.41	0.000	0.000	0.000	0.00042
595952.84	4128856.41	0.000	0.000	0.000	0.00040
595981.87	4128856.41	0.000	0.000	0.000	0.00039
596010.9	4128856.41	0.000	0.000	0.000	0.00037
596039.93	4128856.41	0.000	0.000	0.000	0.00036
595459.33	4128875.56	0.000	0.000	0.000	0.00088
595488.36	4128875.56	0.000	0.000	0.000	0.00083
595517.39	4128875.56	0.000	0.000	0.000	0.00078
595546.42	4128875.56	0.000	0.000	0.000	0.00074
595575.45	4128875.56	0.000	0.000	0.000	0.00070
595604.48	4128875.56	0.000	0.000	0.000	0.00066
595633.51	4128875.56	0.000	0.000	0.000	0.00063
595662.54	4128875.56	0.000	0.000	0.000	0.00060
595691.57	4128875.56	0.000	0.000	0.000	0.00057
595720.6	4128875.56	0.000	0.000	0.000	0.00054
595749.63	4128875.56	0.000	0.000	0.000	0.00052
595778.66	4128875.56	0.000	0.000	0.000	0.00049
595807.69	4128875.56	0.000	0.000	0.000	0.00047
595836.72	4128875.56	0.000	0.000	0.000	0.00045
595865.75	4128875.56	0.000	0.000	0.000	0.00043
595894.78	4128875.56	0.000	0.000	0.000	0.00042
595923.81	4128875.56	0.000	0.000	0.000	0.00040
595952.84	4128875.56	0.000	0.000	0.000	0.00039
595981.87	4128875.56	0.000	0.000	0.000	0.00037
596010.9	4128875.56	0.000	0.000	0.000	0.00036
596039.93	4128875.56	0.000	0.000	0.000	0.00035
595459.33	4128894.71	0.000	0.000	0.000	0.00084
595488.36	4128894.71	0.000	0.000	0.000	0.00079
595517.39	4128894.71	0.000	0.000	0.000	0.00074

595546.42	4128894.71	0.000	0.000	0.000	0.00070
595575.45	4128894.71	0.000	0.000	0.000	0.00066
595604.48	4128894.71	0.000	0.000	0.000	0.00063
595633.51	4128894.71	0.000	0.000	0.000	0.00060
595662.54	4128894.71	0.000	0.000	0.000	0.00057
595691.57	4128894.71	0.000	0.000	0.000	0.00054
595720.6	4128894.71	0.000	0.000	0.000	0.00052
595749.63	4128894.71	0.000	0.000	0.000	0.00050
595778.66	4128894.71	0.000	0.000	0.000	0.00047
595807.69	4128894.71	0.000	0.000	0.000	0.00045
595836.72	4128894.71	0.000	0.000	0.000	0.00043
595865.75	4128894.71	0.000	0.000	0.000	0.00042
595894.78	4128894.71	0.000	0.000	0.000	0.00040
595923.81	4128894.71	0.000	0.000	0.000	0.00039
595952.84	4128894.71	0.000	0.000	0.000	0.00037
595981.87	4128894.71	0.000	0.000	0.000	0.00036
596010.9	4128894.71	0.000	0.000	0.000	0.00035
596039.93	4128894.71	0.000	0.000	0.000	0.00033
595459.33	4128913.86	0.000	0.000	0.000	0.00081
595488.36	4128913.86	0.000	0.000	0.000	0.00076
595517.39	4128913.86	0.000	0.000	0.000	0.00071
595546.42	4128913.86	0.000	0.000	0.000	0.00067
595575.45	4128913.86	0.000	0.000	0.000	0.00064
595604.48	4128913.86	0.000	0.000	0.000	0.00061
595633.51	4128913.86	0.000	0.000	0.000	0.00057
595662.54	4128913.86	0.000	0.000	0.000	0.00055
595691.57	4128913.86	0.000	0.000	0.000	0.00052
595720.6	4128913.86	0.000	0.000	0.000	0.00050
595749.63	4128913.86	0.000	0.000	0.000	0.00048
595778.66	4128913.86	0.000	0.000	0.000	0.00046
595807.69	4128913.86	0.000	0.000	0.000	0.00044
595836.72	4128913.86	0.000	0.000	0.000	0.00042
595865.75	4128913.86	0.000	0.000	0.000	0.00040
595894.78	4128913.86	0.000	0.000	0.000	0.00039
595923.81	4128913.86	0.000	0.000	0.000	0.00037
595952.84	4128913.86	0.000	0.000	0.000	0.00036
595981.87	4128913.86	0.000	0.000	0.000	0.00035
596010.9	4128913.86	0.000	0.000	0.000	0.00033
596039.93	4128913.86	0.000	0.000	0.000	0.00032
595459.33	4128933.01	0.000	0.000	0.000	0.00078

595488.36	4128933.01	0.000	0.000	0.000	0.00073
595517.39	4128933.01	0.000	0.000	0.000	0.00069
595546.42	4128933.01	0.000	0.000	0.000	0.00065
595575.45	4128933.01	0.000	0.000	0.000	0.00062
595604.48	4128933.01	0.000	0.000	0.000	0.00058
595633.51	4128933.01	0.000	0.000	0.000	0.00055
595662.54	4128933.01	0.000	0.000	0.000	0.00053
595691.57	4128933.01	0.000	0.000	0.000	0.00050
595720.6	4128933.01	0.000	0.000	0.000	0.00048
595749.63	4128933.01	0.000	0.000	0.000	0.00046
595778.66	4128933.01	0.000	0.000	0.000	0.00044
595807.69	4128933.01	0.000	0.000	0.000	0.00042
595836.72	4128933.01	0.000	0.000	0.000	0.00040
595865.75	4128933.01	0.000	0.000	0.000	0.00039
595894.78	4128933.01	0.000	0.000	0.000	0.00037
595923.81	4128933.01	0.000	0.000	0.000	0.00036
595952.84	4128933.01	0.000	0.000	0.000	0.00035
595981.87	4128933.01	0.000	0.000	0.000	0.00033
596010.9	4128933.01	0.000	0.000	0.000	0.00032
596039.93	4128933.01	0.000	0.000	0.000	0.00031
595459.33	4128952.16	0.000	0.000	0.000	0.00076
595488.36	4128952.16	0.000	0.000	0.000	0.00072
595517.39	4128952.16	0.000	0.000	0.000	0.00067
595546.42	4128952.16	0.000	0.000	0.000	0.00063
595575.45	4128952.16	0.000	0.000	0.000	0.00060
595604.48	4128952.16	0.000	0.000	0.000	0.00057
595633.51	4128952.16	0.000	0.000	0.000	0.00054
595662.54	4128952.16	0.000	0.000	0.000	0.00051
595691.57	4128952.16	0.000	0.000	0.000	0.00049
595720.6	4128952.16	0.000	0.000	0.000	0.00046
595749.63	4128952.16	0.000	0.000	0.000	0.00044
595778.66	4128952.16	0.000	0.000	0.000	0.00042
595807.69	4128952.16	0.000	0.000	0.000	0.00040
595836.72	4128952.16	0.000	0.000	0.000	0.00039
595865.75	4128952.16	0.000	0.000	0.000	0.00037
595894.78	4128952.16	0.000	0.000	0.000	0.00036
595923.81	4128952.16	0.000	0.000	0.000	0.00035
595952.84	4128952.16	0.000	0.000	0.000	0.00033
595981.87	4128952.16	0.000	0.000	0.000	0.00032
596010.9	4128952.16	0.000	0.000	0.000	0.00031

596039.93	4128952.16	0.000	0.000	0.000	0.00030
595459.33	4128971.31	0.000	0.000	0.000	0.00075
595488.36	4128971.31	0.000	0.000	0.000	0.00070
595517.39	4128971.31	0.000	0.000	0.000	0.00066
595546.42	4128971.31	0.000	0.000	0.000	0.00062
595575.45	4128971.31	0.000	0.000	0.000	0.00058
595604.48	4128971.31	0.000	0.000	0.000	0.00055
595633.51	4128971.31	0.000	0.000	0.000	0.00052
595662.54	4128971.31	0.000	0.000	0.000	0.00050
595691.57	4128971.31	0.000	0.000	0.000	0.00047
595720.6	4128971.31	0.000	0.000	0.000	0.00045
595749.63	4128971.31	0.000	0.000	0.000	0.00043
595778.66	4128971.31	0.000	0.000	0.000	0.00041
595807.69	4128971.31	0.000	0.000	0.000	0.00039
595836.72	4128971.31	0.000	0.000	0.000	0.00037
595865.75	4128971.31	0.000	0.000	0.000	0.00036
595894.78	4128971.31	0.000	0.000	0.000	0.00034
595923.81	4128971.31	0.000	0.000	0.000	0.00033
595952.84	4128971.31	0.000	0.000	0.000	0.00032
595981.87	4128971.31	0.000	0.000	0.000	0.00031
596010.9	4128971.31	0.000	0.000	0.000	0.00030
596039.93	4128971.31	0.000	0.000	0.000	0.00029
595459.33	4128990.46	0.000	0.000	0.000	0.00074
595488.36	4128990.46	0.000	0.000	0.000	0.00069
595517.39	4128990.46	0.000	0.000	0.000	0.00065
595546.42	4128990.46	0.000	0.000	0.000	0.00061
595575.45	4128990.46	0.000	0.000	0.000	0.00057
595604.48	4128990.46	0.000	0.000	0.000	0.00054
595633.51	4128990.46	0.000	0.000	0.000	0.00051
595662.54	4128990.46	0.000	0.000	0.000	0.00049
595691.57	4128990.46	0.000	0.000	0.000	0.00046
595720.6	4128990.46	0.000	0.000	0.000	0.00044
595749.63	4128990.46	0.000	0.000	0.000	0.00042
595778.66	4128990.46	0.000	0.000	0.000	0.00040
595807.69	4128990.46	0.000	0.000	0.000	0.00038
595836.72	4128990.46	0.000	0.000	0.000	0.00036
595865.75	4128990.46	0.000	0.000	0.000	0.00035
595894.78	4128990.46	0.000	0.000	0.000	0.00033
595923.81	4128990.46	0.000	0.000	0.000	0.00032
595952.84	4128990.46	0.000	0.000	0.000	0.00031



595981.87	4128990.46	0.000	0.000	0.000	0.00030
596010.9	4128990.46	0.000	0.000	0.000	0.00029
596039.93	4128990.46	0.000	0.000	0.000	0.00028
595459.33	4129009.61	0.000	0.000	0.000	0.00074
595488.36	4129009.61	0.000	0.000	0.000	0.00069
595517.39	4129009.61	0.000	0.000	0.000	0.00064
595546.42	4129009.61	0.000	0.000	0.000	0.00060
595575.45	4129009.61	0.000	0.000	0.000	0.00057
595604.48	4129009.61	0.000	0.000	0.000	0.00054
595633.51	4129009.61	0.000	0.000	0.000	0.00051
595662.54	4129009.61	0.000	0.000	0.000	0.00048
595691.57	4129009.61	0.000	0.000	0.000	0.00045
595720.6	4129009.61	0.000	0.000	0.000	0.00043
595749.63	4129009.61	0.000	0.000	0.000	0.00041
595778.66	4129009.61	0.000	0.000	0.000	0.00039
595807.69	4129009.61	0.000	0.000	0.000	0.00037
595836.72	4129009.61	0.000	0.000	0.000	0.00036
595865.75	4129009.61	0.000	0.000	0.000	0.00034
595894.78	4129009.61	0.000	0.000	0.000	0.00033
595923.81	4129009.61	0.000	0.000	0.000	0.00031
595952.84	4129009.61	0.000	0.000	0.000	0.00030
595981.87	4129009.61	0.000	0.000	0.000	0.00029
596010.9	4129009.61	0.000	0.000	0.000	0.00028
596039.93	4129009.61	0.000	0.000	0.000	0.00027
595459.33	4129028.76	0.000	0.000	0.000	0.00074
595488.36	4129028.76	0.000	0.000	0.000	0.00069
595517.39	4129028.76	0.000	0.000	0.000	0.00064
595546.42	4129028.76	0.000	0.000	0.000	0.00060
595575.45	4129028.76	0.000	0.000	0.000	0.00056
595604.48	4129028.76	0.000	0.000	0.000	0.00053
595633.51	4129028.76	0.000	0.000	0.000	0.00050
595662.54	4129028.76	0.000	0.000	0.000	0.00047
595691.57	4129028.76	0.000	0.000	0.000	0.00045
595720.6	4129028.76	0.000	0.000	0.000	0.00042
595749.63	4129028.76	0.000	0.000	0.000	0.00040
595778.66	4129028.76	0.000	0.000	0.000	0.00038
595807.69	4129028.76	0.000	0.000	0.000	0.00037
595836.72	4129028.76	0.000	0.000	0.000	0.00035
595865.75	4129028.76	0.000	0.000	0.000	0.00033
595894.78	4129028.76	0.000	0.000	0.000	0.00032

595923.81	4129028.76	0.000	0.000	0.000	0.00031
595952.84	4129028.76	0.000	0.000	0.000	0.00029
595981.87	4129028.76	0.000	0.000	0.000	0.00028
596010.9	4129028.76	0.000	0.000	0.000	0.00027
596039.93	4129028.76	0.000	0.000	0.000	0.00026
595459.33	4129047.91	0.000	0.000	0.000	0.00074
595488.36	4129047.91	0.000	0.000	0.000	0.00069
595517.39	4129047.91	0.000	0.000	0.000	0.00064
595546.42	4129047.91	0.000	0.000	0.000	0.00060
595575.45	4129047.91	0.000	0.000	0.000	0.00056
595604.48	4129047.91	0.000	0.000	0.000	0.00053
595633.51	4129047.91	0.000	0.000	0.000	0.00050
595662.54	4129047.91	0.000	0.000	0.000	0.00047
595691.57	4129047.91	0.000	0.000	0.000	0.00044
595720.6	4129047.91	0.000	0.000	0.000	0.00042
595749.63	4129047.91	0.000	0.000	0.000	0.00040
595778.66	4129047.91	0.000	0.000	0.000	0.00038
595807.69	4129047.91	0.000	0.000	0.000	0.00036
595836.72	4129047.91	0.000	0.000	0.000	0.00034
595865.75	4129047.91	0.000	0.000	0.000	0.00033
595894.78	4129047.91	0.000	0.000	0.000	0.00031
595923.81	4129047.91	0.000	0.000	0.000	0.00030
595952.84	4129047.91	0.000	0.000	0.000	0.00028
595981.87	4129047.91	0.000	0.000	0.000	0.00027
596010.9	4129047.91	0.000	0.000	0.000	0.00027
596039.93	4129047.91	0.000	0.000	0.000	0.00026
595459.33	4129067.06	0.000	0.000	0.000	0.00074
595488.36	4129067.06	0.000	0.000	0.000	0.00069
595517.39	4129067.06	0.000	0.000	0.000	0.00064
595546.42	4129067.06	0.000	0.000	0.000	0.00060
595575.45	4129067.06	0.000	0.000	0.000	0.00056
595604.48	4129067.06	0.000	0.000	0.000	0.00053
595633.51	4129067.06	0.000	0.000	0.000	0.00050
595662.54	4129067.06	0.000	0.000	0.000	0.00047
595691.57	4129067.06	0.000	0.000	0.000	0.00044
595720.6	4129067.06	0.000	0.000	0.000	0.00042
595749.63	4129067.06	0.000	0.000	0.000	0.00040
595778.66	4129067.06	0.000	0.000	0.000	0.00038
595807.69	4129067.06	0.000	0.000	0.000	0.00036
595836.72	4129067.06	0.000	0.000	0.000	0.00034

595865.75	4129067.06	0.000	0.000	0.000	0.00032
595894.78	4129067.06	0.000	0.000	0.000	0.00031
595923.81	4129067.06	0.000	0.000	0.000	0.00029
595952.84	4129067.06	0.000	0.000	0.000	0.00028
595981.87	4129067.06	0.000	0.000	0.000	0.00027
596010.9	4129067.06	0.000	0.000	0.000	0.00026
596039.93	4129067.06	0.000	0.000	0.000	0.00025
595459.33	4129086.21	0.000	0.000	0.000	0.00074
595488.36	4129086.21	0.000	0.000	0.000	0.00069
595517.39	4129086.21	0.000	0.000	0.000	0.00064
595546.42	4129086.21	0.000	0.000	0.000	0.00060
595575.45	4129086.21	0.000	0.000	0.000	0.00056
595604.48	4129086.21	0.000	0.000	0.000	0.00053
595633.51	4129086.21	0.000	0.000	0.000	0.00050
595662.54	4129086.21	0.000	0.000	0.000	0.00047
595691.57	4129086.21	0.000	0.000	0.000	0.00044
595720.6	4129086.21	0.000	0.000	0.000	0.00042
595749.63	4129086.21	0.000	0.000	0.000	0.00039
595778.66	4129086.21	0.000	0.000	0.000	0.00037
595807.69	4129086.21	0.000	0.000	0.000	0.00035
595836.72	4129086.21	0.000	0.000	0.000	0.00034
595865.75	4129086.21	0.000	0.000	0.000	0.00032
595894.78	4129086.21	0.000	0.000	0.000	0.00030
595923.81	4129086.21	0.000	0.000	0.000	0.00029
595952.84	4129086.21	0.000	0.000	0.000	0.00028
595981.87	4129086.21	0.000	0.000	0.000	0.00026
596010.9	4129086.21	0.000	0.000	0.000	0.00025
596039.93	4129086.21	0.000	0.000	0.000	0.00024
595459.33	4129105.36	0.000	0.000	0.000	0.00075
595488.36	4129105.36	0.000	0.000	0.000	0.00069
595517.39	4129105.36	0.000	0.000	0.000	0.00064
595546.42	4129105.36	0.000	0.000	0.000	0.00060
595575.45	4129105.36	0.000	0.000	0.000	0.00056
595604.48	4129105.36	0.000	0.000	0.000	0.00053
595633.51	4129105.36	0.000	0.000	0.000	0.00050
595662.54	4129105.36	0.000	0.000	0.000	0.00047
595691.57	4129105.36	0.000	0.000	0.000	0.00044
595720.6	4129105.36	0.000	0.000	0.000	0.00042
595749.63	4129105.36	0.000	0.000	0.000	0.00039
595778.66	4129105.36	0.000	0.000	0.000	0.00037

595807.69	4129105.36	0.000	0.000	0.000	0.00035
595836.72	4129105.36	0.000	0.000	0.000	0.00033
595865.75	4129105.36	0.000	0.000	0.000	0.00032
595894.78	4129105.36	0.000	0.000	0.000	0.00030
595923.81	4129105.36	0.000	0.000	0.000	0.00029
595952.84	4129105.36	0.000	0.000	0.000	0.00027
595981.87	4129105.36	0.000	0.000	0.000	0.00026
596010.9	4129105.36	0.000	0.000	0.000	0.00025
596039.93	4129105.36	0.000	0.000	0.000	0.00024
595459.33	4129124.51	0.000	0.000	0.000	0.00076
595488.36	4129124.51	0.000	0.000	0.000	0.00070
595517.39	4129124.51	0.000	0.000	0.000	0.00065
595546.42	4129124.51	0.000	0.000	0.000	0.00061
595575.45	4129124.51	0.000	0.000	0.000	0.00057
595604.48	4129124.51	0.000	0.000	0.000	0.00053
595633.51	4129124.51	0.000	0.000	0.000	0.00050
595662.54	4129124.51	0.000	0.000	0.000	0.00047
595691.57	4129124.51	0.000	0.000	0.000	0.00044
595720.6	4129124.51	0.000	0.000	0.000	0.00042
595749.63	4129124.51	0.000	0.000	0.000	0.00040
595778.66	4129124.51	0.000	0.000	0.000	0.00037
595807.69	4129124.51	0.000	0.000	0.000	0.00035
595836.72	4129124.51	0.000	0.000	0.000	0.00033
595865.75	4129124.51	0.000	0.000	0.000	0.00032
595894.78	4129124.51	0.000	0.000	0.000	0.00030
595923.81	4129124.51	0.000	0.000	0.000	0.00028
595952.84	4129124.51	0.000	0.000	0.000	0.00027
595981.87	4129124.51	0.000	0.000	0.000	0.00026
596010.9	4129124.51	0.000	0.000	0.000	0.00024
596039.93	4129124.51	0.000	0.000	0.000	0.00023
595249.89	4128695.55	0.001	0.002	0.001	0.00388
595290.33	4128695.55	0.001	0.001	0.001	0.00320
595330.77	4128695.55	0.001	0.001	0.001	0.00268
595371.21	4128695.55	0.000	0.001	0.001	0.00228
595411.65	4128695.55	0.000	0.001	0.001	0.00196
595452.09	4128695.55	0.000	0.001	0.001	0.00170
595249.89	4128726.21	0.001	0.001	0.001	0.00324
595290.33	4128726.21	0.001	0.001	0.001	0.00271
595330.77	4128726.21	0.000	0.001	0.001	0.00230
595371.21	4128726.21	0.000	0.001	0.001	0.00198

595411.65	4128726.21	0.000	0.001	0.001	0.00173
595452.09	4128726.21	0.000	0.001	0.001	0.00151
595249.89	4128756.87	0.001	0.001	0.001	0.00270
595290.33	4128756.87	0.000	0.001	0.001	0.00230
595330.77	4128756.87	0.000	0.001	0.001	0.00198
595371.21	4128756.87	0.000	0.001	0.001	0.00173
595411.65	4128756.87	0.000	0.001	0.001	0.00152
595452.09	4128756.87	0.000	0.001	0.000	0.00135
595249.89	4128787.53	0.000	0.001	0.001	0.00227
595290.33	4128787.53	0.000	0.001	0.001	0.00196
595330.77	4128787.53	0.000	0.001	0.001	0.00171
595371.21	4128787.53	0.000	0.001	0.001	0.00151
595411.65	4128787.53	0.000	0.001	0.000	0.00134
595452.09	4128787.53	0.000	0.001	0.000	0.00120
595249.89	4128818.19	0.000	0.001	0.001	0.00193
595290.33	4128818.19	0.000	0.001	0.001	0.00169
595330.77	4128818.19	0.000	0.001	0.001	0.00149
595371.21	4128818.19	0.000	0.001	0.000	0.00133
595411.65	4128818.19	0.000	0.001	0.000	0.00119
595452.09	4128818.19	0.000	0.000	0.000	0.00108
595249.89	4128848.85	0.000	0.001	0.001	0.00169
595290.33	4128848.85	0.000	0.001	0.001	0.00149
595330.77	4128848.85	0.000	0.001	0.000	0.00133
595371.21	4128848.85	0.000	0.001	0.000	0.00119
595411.65	4128848.85	0.000	0.000	0.000	0.00107
595452.09	4128848.85	0.000	0.000	0.000	0.00097
595249.89	4128879.51	0.000	0.001	0.001	0.00154
595290.33	4128879.51	0.000	0.001	0.000	0.00136
595330.77	4128879.51	0.000	0.001	0.000	0.00121
595371.21	4128879.51	0.000	0.000	0.000	0.00108
595411.65	4128879.51	0.000	0.000	0.000	0.00098
595452.09	4128879.51	0.000	0.000	0.000	0.00089
595249.89	4128910.17	0.000	0.001	0.000	0.00145
595290.33	4128910.17	0.000	0.001	0.000	0.00127
595330.77	4128910.17	0.000	0.001	0.000	0.00113
595371.21	4128910.17	0.000	0.000	0.000	0.00101
595411.65	4128910.17	0.000	0.000	0.000	0.00091
595452.09	4128910.17	0.000	0.000	0.000	0.00083
595249.89	4128940.83	0.000	0.001	0.000	0.00140
595290.33	4128940.83	0.000	0.001	0.000	0.00122

595330.77	4128940.83	0.000	0.000	0.000	0.00108
595371.21	4128940.83	0.000	0.000	0.000	0.00097
595411.65	4128940.83	0.000	0.000	0.000	0.00087
595452.09	4128940.83	0.000	0.000	0.000	0.00079
595370.31	4128948.01	0.000	0.000	0.000	0.00096
595402.84	4128948.01	0.000	0.000	0.000	0.00088
595435.37	4128948.01	0.000	0.000	0.000	0.00081
595370.31	4128976.76	0.000	0.000	0.000	0.00094
595402.84	4128976.76	0.000	0.000	0.000	0.00086
595435.37	4128976.76	0.000	0.000	0.000	0.00079
595370.31	4129005.51	0.000	0.000	0.000	0.00093
595402.84	4129005.51	0.000	0.000	0.000	0.00085
595435.37	4129005.51	0.000	0.000	0.000	0.00078
595370.31	4129034.26	0.000	0.000	0.000	0.00094
595402.84	4129034.26	0.000	0.000	0.000	0.00085
595435.37	4129034.26	0.000	0.000	0.000	0.00078
595370.31	4129063.01	0.000	0.000	0.000	0.00096
595402.84	4129063.01	0.000	0.000	0.000	0.00086
595435.37	4129063.01	0.000	0.000	0.000	0.00079
595370.31	4129091.76	0.000	0.000	0.000	0.00099
595402.84	4129091.76	0.000	0.000	0.000	0.00088
595435.37	4129091.76	0.000	0.000	0.000	0.00080
595548.86	4129154.91	0.000	0.000	0.000	0.00061
595605.25	4129154.91	0.000	0.000	0.000	0.00053
595661.64	4129154.91	0.000	0.000	0.000	0.00047
595718.03	4129154.91	0.000	0.000	0.000	0.00042
595548.86	4129180.69	0.000	0.000	0.000	0.00062
595605.25	4129180.69	0.000	0.000	0.000	0.00054
595661.64	4129180.69	0.000	0.000	0.000	0.00048
595718.03	4129180.69	0.000	0.000	0.000	0.00042
595548.86	4129206.47	0.000	0.000	0.000	0.00064
595605.25	4129206.47	0.000	0.000	0.000	0.00055
595661.64	4129206.47	0.000	0.000	0.000	0.00048
595718.03	4129206.47	0.000	0.000	0.000	0.00042
595548.86	4129232.25	0.000	0.000	0.000	0.00066
595605.25	4129232.25	0.000	0.000	0.000	0.00056
595661.64	4129232.25	0.000	0.000	0.000	0.00048
595718.03	4129232.25	0.000	0.000	0.000	0.00042
595770.66	4129137.18	0.000	0.000	0.000	0.00038
595794.75	4129137.18	0.000	0.000	0.000	0.00036

595818.84	4129137.18	0.000	0.000	0.000	0.00035
595842.93	4129137.18	0.000	0.000	0.000	0.00033
595867.02	4129137.18	0.000	0.000	0.000	0.00031
595891.11	4129137.18	0.000	0.000	0.000	0.00030
595915.2	4129137.18	0.000	0.000	0.000	0.00029
595939.29	4129137.18	0.000	0.000	0.000	0.00027
595770.66	4129177.59	0.000	0.000	0.000	0.00038
595794.75	4129177.59	0.000	0.000	0.000	0.00036
595818.84	4129177.59	0.000	0.000	0.000	0.00034
595842.93	4129177.59	0.000	0.000	0.000	0.00033
595867.02	4129177.59	0.000	0.000	0.000	0.00031
595891.11	4129177.59	0.000	0.000	0.000	0.00030
595915.2	4129177.59	0.000	0.000	0.000	0.00028
595939.29	4129177.59	0.000	0.000	0.000	0.00027
595770.66	4129218	0.000	0.000	0.000	0.00038
595794.75	4129218	0.000	0.000	0.000	0.00036
595818.84	4129218	0.000	0.000	0.000	0.00034
595842.93	4129218	0.000	0.000	0.000	0.00033
595867.02	4129218	0.000	0.000	0.000	0.00031
595891.11	4129218	0.000	0.000	0.000	0.00030
595915.2	4129218	0.000	0.000	0.000	0.00028
595939.29	4129218	0.000	0.000	0.000	0.00027
595770.66	4129258.41	0.000	0.000	0.000	0.00038
595794.75	4129258.41	0.000	0.000	0.000	0.00036
595818.84	4129258.41	0.000	0.000	0.000	0.00034
595842.93	4129258.41	0.000	0.000	0.000	0.00032
595867.02	4129258.41	0.000	0.000	0.000	0.00031
595891.11	4129258.41	0.000	0.000	0.000	0.00029
595915.2	4129258.41	0.000	0.000	0.000	0.00028
595939.29	4129258.41	0.000	0.000	0.000	0.00026
595770.66	4129298.82	0.000	0.000	0.000	0.00037
595794.75	4129298.82	0.000	0.000	0.000	0.00035
595818.84	4129298.82	0.000	0.000	0.000	0.00033
595842.93	4129298.82	0.000	0.000	0.000	0.00031
595867.02	4129298.82	0.000	0.000	0.000	0.00030
595891.11	4129298.82	0.000	0.000	0.000	0.00028
595915.2	4129298.82	0.000	0.000	0.000	0.00027
595939.29	4129298.82	0.000	0.000	0.000	0.00026
595957.02	4129258.56	0.000	0.000	0.000	0.00025
596003.21	4129258.56	0.000	0.000	0.000	0.00023

595957.02	4129289.71	0.000	0.000	0.000	0.00025
596003.21	4129289.71	0.000	0.000	0.000	0.00023
595957.02	4129320.86	0.000	0.000	0.000	0.00024
596003.21	4129320.86	0.000	0.000	0.000	0.00022
595957.02	4129352.01	0.000	0.000	0.000	0.00023
596003.21	4129352.01	0.000	0.000	0.000	0.00021
595780.89	4129328.94	0.000	0.000	0.000	0.00035
595811.48	4129328.94	0.000	0.000	0.000	0.00033
595842.07	4129328.94	0.000	0.000	0.000	0.00030
595872.66	4129328.94	0.000	0.000	0.000	0.00028
595903.25	4129328.94	0.000	0.000	0.000	0.00027
595933.84	4129328.94	0.000	0.000	0.000	0.00025
595780.89	4129353.44	0.000	0.000	0.000	0.00035
595811.48	4129353.44	0.000	0.000	0.000	0.00032
595842.07	4129353.44	0.000	0.000	0.000	0.00029
595872.66	4129353.44	0.000	0.000	0.000	0.00027
595903.25	4129353.44	0.000	0.000	0.000	0.00026
595933.84	4129353.44	0.000	0.000	0.000	0.00024
595780.89	4129377.94	0.000	0.000	0.000	0.00034
595811.48	4129377.94	0.000	0.000	0.000	0.00031
595842.07	4129377.94	0.000	0.000	0.000	0.00028
595872.66	4129377.94	0.000	0.000	0.000	0.00026
595903.25	4129377.94	0.000	0.000	0.000	0.00024
595933.84	4129377.94	0.000	0.000	0.000	0.00023
595780.89	4129402.44	0.000	0.000	0.000	0.00033
595811.48	4129402.44	0.000	0.000	0.000	0.00029
595842.07	4129402.44	0.000	0.000	0.000	0.00027
595872.66	4129402.44	0.000	0.000	0.000	0.00025
595903.25	4129402.44	0.000	0.000	0.000	0.00023
595933.84	4129402.44	0.000	0.000	0.000	0.00022
595780.89	4129426.94	0.000	0.000	0.000	0.00031
595811.48	4129426.94	0.000	0.000	0.000	0.00028
595842.07	4129426.94	0.000	0.000	0.000	0.00025
595872.66	4129426.94	0.000	0.000	0.000	0.00023
595903.25	4129426.94	0.000	0.000	0.000	0.00022
595933.84	4129426.94	0.000	0.000	0.000	0.00021
595780.89	4129451.44	0.000	0.000	0.000	0.00029
595811.48	4129451.44	0.000	0.000	0.000	0.00026
595842.07	4129451.44	0.000	0.000	0.000	0.00024
595872.66	4129451.44	0.000	0.000	0.000	0.00022



595903.25	4129451.44	0.000	0.000	0.000	0.00021
595933.84	4129451.44	0.000	0.000	0.000	0.00020
595780.89	4129475.94	0.000	0.000	0.000	0.00027
595811.48	4129475.94	0.000	0.000	0.000	0.00024
595842.07	4129475.94	0.000	0.000	0.000	0.00022
595872.66	4129475.94	0.000	0.000	0.000	0.00021
595903.25	4129475.94	0.000	0.000	0.000	0.00019
595933.84	4129475.94	0.000	0.000	0.000	0.00018
595642.77	4129286.53	0.000	0.000	0.000	0.00053
595677.31	4129286.53	0.000	0.000	0.000	0.00047
595711.85	4129286.53	0.000	0.000	0.000	0.00043
595746.39	4129286.53	0.000	0.000	0.000	0.00040
595642.77	4129336.29	0.000	0.000	0.000	0.00057
595677.31	4129336.29	0.000	0.000	0.000	0.00049
595711.85	4129336.29	0.000	0.000	0.000	0.00044
595746.39	4129336.29	0.000	0.000	0.000	0.00039
595642.77	4129386.05	0.000	0.000	0.000	0.00064
595677.31	4129386.05	0.000	0.000	0.000	0.00053
595711.85	4129386.05	0.000	0.000	0.000	0.00044
595746.39	4129386.05	0.000	0.000	0.000	0.00038
595642.77	4129435.81	0.000	0.000	0.000	0.00075
595677.31	4129435.81	0.000	0.000	0.000	0.00056
595711.85	4129435.81	0.000	0.000	0.000	0.00044
595746.39	4129435.81	0.000	0.000	0.000	0.00036
595642.77	4129485.57	0.000	0.000	0.000	0.00087
595677.31	4129485.57	0.000	0.000	0.000	0.00054
595711.85	4129485.57	0.000	0.000	0.000	0.00039
595746.39	4129485.57	0.000	0.000	0.000	0.00031
595788.1	4129524.74	0.000	0.000	0.000	0.00022
595814.56	4129524.74	0.000	0.000	0.000	0.00021
595841.02	4129524.74	0.000	0.000	0.000	0.00020
595867.48	4129524.74	0.000	0.000	0.000	0.00018
595893.94	4129524.74	0.000	0.000	0.000	0.00018
595920.4	4129524.74	0.000	0.000	0.000	0.00017
595946.86	4129524.74	0.000	0.000	0.000	0.00016
595973.32	4129524.74	0.000	0.000	0.000	0.00016
595999.78	4129524.74	0.000	0.000	0.000	0.00015
595788.1	4129556.46	0.000	0.000	0.000	0.00021
595814.56	4129556.46	0.000	0.000	0.000	0.00019
595841.02	4129556.46	0.000	0.000	0.000	0.00018

595867.48	4129556.46	0.000	0.000	0.000	0.00017
595893.94	4129556.46	0.000	0.000	0.000	0.00017
595920.4	4129556.46	0.000	0.000	0.000	0.00016
595946.86	4129556.46	0.000	0.000	0.000	0.00015
595973.32	4129556.46	0.000	0.000	0.000	0.00015
595999.78	4129556.46	0.000	0.000	0.000	0.00015
595788.1	4129588.18	0.000	0.000	0.000	0.00020
595814.56	4129588.18	0.000	0.000	0.000	0.00019
595841.02	4129588.18	0.000	0.000	0.000	0.00018
595867.48	4129588.18	0.000	0.000	0.000	0.00017
595893.94	4129588.18	0.000	0.000	0.000	0.00016
595920.4	4129588.18	0.000	0.000	0.000	0.00015
595946.86	4129588.18	0.000	0.000	0.000	0.00015
595973.32	4129588.18	0.000	0.000	0.000	0.00014
595999.78	4129588.18	0.000	0.000	0.000	0.00014
595788.1	4129619.9	0.000	0.000	0.000	0.00019
595814.56	4129619.9	0.000	0.000	0.000	0.00018
595841.02	4129619.9	0.000	0.000	0.000	0.00017
595867.48	4129619.9	0.000	0.000	0.000	0.00016
595893.94	4129619.9	0.000	0.000	0.000	0.00016
595920.4	4129619.9	0.000	0.000	0.000	0.00015
595946.86	4129619.9	0.000	0.000	0.000	0.00014
595973.32	4129619.9	0.000	0.000	0.000	0.00014
595999.78	4129619.9	0.000	0.000	0.000	0.00013
595788.1	4129651.62	0.000	0.000	0.000	0.00018
595814.56	4129651.62	0.000	0.000	0.000	0.00018
595841.02	4129651.62	0.000	0.000	0.000	0.00017
595867.48	4129651.62	0.000	0.000	0.000	0.00016
595893.94	4129651.62	0.000	0.000	0.000	0.00015
595920.4	4129651.62	0.000	0.000	0.000	0.00015
595946.86	4129651.62	0.000	0.000	0.000	0.00014
595973.32	4129651.62	0.000	0.000	0.000	0.00013
595999.78	4129651.62	0.000	0.000	0.000	0.00013
595788.1	4129683.34	0.000	0.000	0.000	0.00018
595814.56	4129683.34	0.000	0.000	0.000	0.00017
595841.02	4129683.34	0.000	0.000	0.000	0.00016
595867.48	4129683.34	0.000	0.000	0.000	0.00016
595893.94	4129683.34	0.000	0.000	0.000	0.00015
595920.4	4129683.34	0.000	0.000	0.000	0.00014
595946.86	4129683.34	0.000	0.000	0.000	0.00014

595973.32	4129683.34	0.000	0.000	0.000	0.00013
595999.78	4129683.34	0.000	0.000	0.000	0.00013
593920.79	4128960.54	0.000	0.001	0.000	0.00124
593955.22	4128960.54	0.000	0.001	0.000	0.00135
593989.65	4128960.54	0.000	0.001	0.001	0.00148
594024.08	4128960.54	0.000	0.001	0.001	0.00162
594058.51	4128960.54	0.000	0.001	0.001	0.00179
594092.94	4128960.54	0.000	0.001	0.001	0.00197
594127.37	4128960.54	0.000	0.001	0.001	0.00218
594161.8	4128960.54	0.000	0.001	0.001	0.00242
594196.23	4128960.54	0.001	0.001	0.001	0.00270
594230.66	4128960.54	0.001	0.001	0.001	0.00301
594265.09	4128960.54	0.001	0.002	0.001	0.00336
594299.52	4128960.54	0.001	0.002	0.001	0.00375
593920.79	4128979.2	0.000	0.001	0.000	0.00126
593955.22	4128979.2	0.000	0.001	0.000	0.00138
593989.65	4128979.2	0.000	0.001	0.001	0.00150
594024.08	4128979.2	0.000	0.001	0.001	0.00165
594058.51	4128979.2	0.000	0.001	0.001	0.00181
594092.94	4128979.2	0.000	0.001	0.001	0.00199
594127.37	4128979.2	0.000	0.001	0.001	0.00220
594161.8	4128979.2	0.000	0.001	0.001	0.00243
594196.23	4128979.2	0.001	0.001	0.001	0.00269
594230.66	4128979.2	0.001	0.001	0.001	0.00298
594265.09	4128979.2	0.001	0.002	0.001	0.00331
594299.52	4128979.2	0.001	0.002	0.001	0.00368
593920.79	4128997.86	0.000	0.001	0.000	0.00128
593955.22	4128997.86	0.000	0.001	0.000	0.00140
593989.65	4128997.86	0.000	0.001	0.001	0.00152
594024.08	4128997.86	0.000	0.001	0.001	0.00166
594058.51	4128997.86	0.000	0.001	0.001	0.00182
594092.94	4128997.86	0.000	0.001	0.001	0.00200
594127.37	4128997.86	0.000	0.001	0.001	0.00220
594161.8	4128997.86	0.000	0.001	0.001	0.00242
594196.23	4128997.86	0.001	0.001	0.001	0.00267
594230.66	4128997.86	0.001	0.001	0.001	0.00294
594265.09	4128997.86	0.001	0.001	0.001	0.00325
594299.52	4128997.86	0.001	0.002	0.001	0.00358
593920.79	4129016.52	0.000	0.001	0.000	0.00130
593955.22	4129016.52	0.000	0.001	0.000	0.00141

593989.65	4129016.52	0.000	0.001	0.001	0.00154
594024.08	4129016.52	0.000	0.001	0.001	0.00167
594058.51	4129016.52	0.000	0.001	0.001	0.00183
594092.94	4129016.52	0.000	0.001	0.001	0.00200
594127.37	4129016.52	0.000	0.001	0.001	0.00219
594161.8	4129016.52	0.000	0.001	0.001	0.00240
594196.23	4129016.52	0.001	0.001	0.001	0.00263
594230.66	4129016.52	0.001	0.001	0.001	0.00289
594265.09	4129016.52	0.001	0.001	0.001	0.00317
594299.52	4129016.52	0.001	0.002	0.001	0.00347
593920.79	4129035.18	0.000	0.001	0.000	0.00131
593955.22	4129035.18	0.000	0.001	0.000	0.00142
593989.65	4129035.18	0.000	0.001	0.001	0.00155
594024.08	4129035.18	0.000	0.001	0.001	0.00168
594058.51	4129035.18	0.000	0.001	0.001	0.00183
594092.94	4129035.18	0.000	0.001	0.001	0.00199
594127.37	4129035.18	0.000	0.001	0.001	0.00218
594161.8	4129035.18	0.000	0.001	0.001	0.00237
594196.23	4129035.18	0.001	0.001	0.001	0.00259
594230.66	4129035.18	0.001	0.001	0.001	0.00283
594265.09	4129035.18	0.001	0.001	0.001	0.00308
594299.52	4129035.18	0.001	0.002	0.001	0.00335
593920.79	4129053.84	0.000	0.001	0.000	0.00132
593955.22	4129053.84	0.000	0.001	0.000	0.00143
593989.65	4129053.84	0.000	0.001	0.001	0.00155
594024.08	4129053.84	0.000	0.001	0.001	0.00168
594058.51	4129053.84	0.000	0.001	0.001	0.00182
594092.94	4129053.84	0.000	0.001	0.001	0.00198
594127.37	4129053.84	0.000	0.001	0.001	0.00215
594161.8	4129053.84	0.000	0.001	0.001	0.00234
594196.23	4129053.84	0.000	0.001	0.001	0.00254
594230.66	4129053.84	0.001	0.001	0.001	0.00276
594265.09	4129053.84	0.001	0.001	0.001	0.00299
594299.52	4129053.84	0.001	0.001	0.001	0.00323
593920.79	4129072.5	0.000	0.001	0.000	0.00133
593955.22	4129072.5	0.000	0.001	0.000	0.00144
593989.65	4129072.5	0.000	0.001	0.001	0.00155
594024.08	4129072.5	0.000	0.001	0.001	0.00167
594058.51	4129072.5	0.000	0.001	0.001	0.00181
594092.94	4129072.5	0.000	0.001	0.001	0.00196

594127.37	4129072.5	0.000	0.001	0.001	0.00212
594161.8	4129072.5	0.000	0.001	0.001	0.00230
594196.23	4129072.5	0.000	0.001	0.001	0.00248
594230.66	4129072.5	0.001	0.001	0.001	0.00268
594265.09	4129072.5	0.001	0.001	0.001	0.00288
594299.52	4129072.5	0.001	0.001	0.001	0.00309
593920.79	4129091.16	0.000	0.001	0.000	0.00133
593955.22	4129091.16	0.000	0.001	0.000	0.00143
593989.65	4129091.16	0.000	0.001	0.001	0.00154
594024.08	4129091.16	0.000	0.001	0.001	0.00166
594058.51	4129091.16	0.000	0.001	0.001	0.00179
594092.94	4129091.16	0.000	0.001	0.001	0.00193
594127.37	4129091.16	0.000	0.001	0.001	0.00209
594161.8	4129091.16	0.000	0.001	0.001	0.00225
594196.23	4129091.16	0.000	0.001	0.001	0.00242
594230.66	4129091.16	0.001	0.001	0.001	0.00260
594265.09	4129091.16	0.001	0.001	0.001	0.00278
594299.52	4129091.16	0.001	0.001	0.001	0.00296
593920.79	4129109.82	0.000	0.001	0.000	0.00133
593955.22	4129109.82	0.000	0.001	0.000	0.00143
593989.65	4129109.82	0.000	0.001	0.001	0.00154
594024.08	4129109.82	0.000	0.001	0.001	0.00165
594058.51	4129109.82	0.000	0.001	0.001	0.00177
594092.94	4129109.82	0.000	0.001	0.001	0.00190
594127.37	4129109.82	0.000	0.001	0.001	0.00205
594161.8	4129109.82	0.000	0.001	0.001	0.00219
594196.23	4129109.82	0.000	0.001	0.001	0.00235
594230.66	4129109.82	0.000	0.001	0.001	0.00251
594265.09	4129109.82	0.001	0.001	0.001	0.00267
594299.52	4129109.82	0.001	0.001	0.001	0.00282
593920.79	4129128.48	0.000	0.001	0.000	0.00133
593955.22	4129128.48	0.000	0.001	0.000	0.00142
593989.65	4129128.48	0.000	0.001	0.001	0.00152
594024.08	4129128.48	0.000	0.001	0.001	0.00163
594058.51	4129128.48	0.000	0.001	0.001	0.00175
594092.94	4129128.48	0.000	0.001	0.001	0.00187
594127.37	4129128.48	0.000	0.001	0.001	0.00200
594161.8	4129128.48	0.000	0.001	0.001	0.00214
594196.23	4129128.48	0.000	0.001	0.001	0.00228
594230.66	4129128.48	0.000	0.001	0.001	0.00242

594265.09	4129128.48	0.001	0.001	0.001	0.00256
594299.52	4129128.48	0.001	0.001	0.001	0.00269
594246.14	4128630.32	0.000	0.001	0.001	0.00154
594272.5	4128630.32	0.000	0.001	0.001	0.00170
594298.86	4128630.32	0.000	0.001	0.001	0.00188
594325.22	4128630.32	0.000	0.001	0.001	0.00209
594351.58	4128630.32	0.000	0.001	0.001	0.00235
594377.94	4128630.32	0.001	0.001	0.001	0.00265
594404.3	4128630.32	0.001	0.001	0.001	0.00303
594430.66	4128630.32	0.001	0.002	0.001	0.00350
594246.14	4128664.43	0.000	0.001	0.001	0.00176
594272.5	4128664.43	0.000	0.001	0.001	0.00195
594298.86	4128664.43	0.000	0.001	0.001	0.00218
594325.22	4128664.43	0.000	0.001	0.001	0.00244
594351.58	4128664.43	0.001	0.001	0.001	0.00276
594377.94	4128664.43	0.001	0.001	0.001	0.00316
594404.3	4128664.43	0.001	0.002	0.001	0.00364
594430.66	4128664.43	0.001	0.002	0.001	0.00425
594246.14	4128698.54	0.000	0.001	0.001	0.00200
594272.5	4128698.54	0.000	0.001	0.001	0.00223
594298.86	4128698.54	0.000	0.001	0.001	0.00250
594325.22	4128698.54	0.001	0.001	0.001	0.00282
594351.58	4128698.54	0.001	0.001	0.001	0.00322
594377.94	4128698.54	0.001	0.002	0.001	0.00369
594404.3	4128698.54	0.001	0.002	0.001	0.00428
594430.66	4128698.54	0.001	0.002	0.002	0.00503
594246.14	4128732.65	0.000	0.001	0.001	0.00225
594272.5	4128732.65	0.000	0.001	0.001	0.00251
594298.86	4128732.65	0.001	0.001	0.001	0.00283
594325.22	4128732.65	0.001	0.001	0.001	0.00320
594351.58	4128732.65	0.001	0.002	0.001	0.00366
594377.94	4128732.65	0.001	0.002	0.001	0.00422
594404.3	4128732.65	0.001	0.002	0.002	0.00490
594430.66	4128732.65	0.001	0.003	0.002	0.00575
594246.14	4128766.76	0.000	0.001	0.001	0.00250
594272.5	4128766.76	0.001	0.001	0.001	0.00279
594298.86	4128766.76	0.001	0.001	0.001	0.00315
594325.22	4128766.76	0.001	0.002	0.001	0.00357
594351.58	4128766.76	0.001	0.002	0.001	0.00407
594377.94	4128766.76	0.001	0.002	0.002	0.00469

594404.3	4128766.76	0.001	0.002	0.002	0.00543
594430.66	4128766.76	0.001	0.003	0.002	0.00635
594246.14	4128800.87	0.001	0.001	0.001	0.00272
594272.5	4128800.87	0.001	0.001	0.001	0.00304
594298.86	4128800.87	0.001	0.002	0.001	0.00343
594325.22	4128800.87	0.001	0.002	0.001	0.00388
594351.58	4128800.87	0.001	0.002	0.002	0.00441
594377.94	4128800.87	0.001	0.002	0.002	0.00505
594404.3	4128800.87	0.001	0.003	0.002	0.00583
594430.66	4128800.87	0.001	0.003	0.002	0.00677
594246.14	4128834.98	0.001	0.001	0.001	0.00292
594272.5	4128834.98	0.001	0.001	0.001	0.00325
594298.86	4128834.98	0.001	0.002	0.001	0.00365
594325.22	4128834.98	0.001	0.002	0.001	0.00411
594351.58	4128834.98	0.001	0.002	0.002	0.00465
594377.94	4128834.98	0.001	0.002	0.002	0.00529
594404.3	4128834.98	0.001	0.003	0.002	0.00604
594430.66	4128834.98	0.001	0.003	0.002	0.00695
594246.14	4128869.09	0.001	0.001	0.001	0.00306
594272.5	4128869.09	0.001	0.002	0.001	0.00340
594298.86	4128869.09	0.001	0.002	0.001	0.00379
594325.22	4128869.09	0.001	0.002	0.001	0.00424
594351.58	4128869.09	0.001	0.002	0.002	0.00476
594377.94	4128869.09	0.001	0.002	0.002	0.00536
594404.3	4128869.09	0.001	0.003	0.002	0.00606
594430.66	4128869.09	0.001	0.003	0.002	0.00687
594246.14	4128903.2	0.001	0.001	0.001	0.00315
594272.5	4128903.2	0.001	0.002	0.001	0.00348
594298.86	4128903.2	0.001	0.002	0.001	0.00385
594325.22	4128903.2	0.001	0.002	0.001	0.00427
594351.58	4128903.2	0.001	0.002	0.002	0.00474
594377.94	4128903.2	0.001	0.002	0.002	0.00528
594404.3	4128903.2	0.001	0.003	0.002	0.00588
594430.66	4128903.2	0.001	0.003	0.002	0.00656
594246.14	4128937.31	0.001	0.001	0.001	0.00318
594272.5	4128937.31	0.001	0.002	0.001	0.00348
594298.86	4128937.31	0.001	0.002	0.001	0.00382
594325.22	4128937.31	0.001	0.002	0.001	0.00419
594351.58	4128937.31	0.001	0.002	0.002	0.00460
594377.94	4128937.31	0.001	0.002	0.002	0.00505

594404.3	4128937.31	0.001	0.003	0.002	0.00554
594430.66	4128937.31	0.001	0.003	0.002	0.00608
594242.73	4128487.55	0.000	0.000	0.000	0.00088
594265.81	4128487.55	0.000	0.000	0.000	0.00093
594288.89	4128487.55	0.000	0.000	0.000	0.00098
594311.97	4128487.55	0.000	0.000	0.000	0.00104
594335.05	4128487.55	0.000	0.001	0.000	0.00110
594358.13	4128487.55	0.000	0.001	0.000	0.00117
594381.21	4128487.55	0.000	0.001	0.000	0.00124
594404.29	4128487.55	0.000	0.001	0.000	0.00132
594427.37	4128487.55	0.000	0.001	0.000	0.00141
594450.45	4128487.55	0.000	0.001	0.001	0.00151
594473.53	4128487.55	0.000	0.001	0.001	0.00162
594242.73	4128510.84	0.000	0.000	0.000	0.00096
594265.81	4128510.84	0.000	0.000	0.000	0.00102
594288.89	4128510.84	0.000	0.000	0.000	0.00108
594311.97	4128510.84	0.000	0.001	0.000	0.00115
594335.05	4128510.84	0.000	0.001	0.000	0.00122
594358.13	4128510.84	0.000	0.001	0.000	0.00131
594381.21	4128510.84	0.000	0.001	0.000	0.00140
594404.29	4128510.84	0.000	0.001	0.001	0.00150
594427.37	4128510.84	0.000	0.001	0.001	0.00162
594450.45	4128510.84	0.000	0.001	0.001	0.00176
594473.53	4128510.84	0.000	0.001	0.001	0.00191
594242.73	4128534.13	0.000	0.000	0.000	0.00105
594265.81	4128534.13	0.000	0.001	0.000	0.00111
594288.89	4128534.13	0.000	0.001	0.000	0.00119
594311.97	4128534.13	0.000	0.001	0.000	0.00127
594335.05	4128534.13	0.000	0.001	0.000	0.00137
594358.13	4128534.13	0.000	0.001	0.001	0.00147
594381.21	4128534.13	0.000	0.001	0.001	0.00159
594404.29	4128534.13	0.000	0.001	0.001	0.00172
594427.37	4128534.13	0.000	0.001	0.001	0.00188
594450.45	4128534.13	0.000	0.001	0.001	0.00206
594473.53	4128534.13	0.000	0.001	0.001	0.00227
594242.73	4128557.42	0.000	0.001	0.000	0.00114
594265.81	4128557.42	0.000	0.001	0.000	0.00122
594288.89	4128557.42	0.000	0.001	0.000	0.00131
594311.97	4128557.42	0.000	0.001	0.000	0.00141
594335.05	4128557.42	0.000	0.001	0.001	0.00153



594358.13	4128557.42	0.000	0.001	0.001	0.00166
594381.21	4128557.42	0.000	0.001	0.001	0.00180
594404.29	4128557.42	0.000	0.001	0.001	0.00197
594427.37	4128557.42	0.000	0.001	0.001	0.00217
594450.45	4128557.42	0.000	0.001	0.001	0.00241
594473.53	4128557.42	0.001	0.001	0.001	0.00270
594242.73	4128580.71	0.000	0.001	0.000	0.00125
594265.81	4128580.71	0.000	0.001	0.000	0.00135
594288.89	4128580.71	0.000	0.001	0.001	0.00145
594311.97	4128580.71	0.000	0.001	0.001	0.00157
594335.05	4128580.71	0.000	0.001	0.001	0.00171
594358.13	4128580.71	0.000	0.001	0.001	0.00187
594381.21	4128580.71	0.000	0.001	0.001	0.00205
594404.29	4128580.71	0.000	0.001	0.001	0.00227
594427.37	4128580.71	0.000	0.001	0.001	0.00253
594450.45	4128580.71	0.001	0.001	0.001	0.00284
594473.53	4128580.71	0.001	0.001	0.001	0.00322
594276.7	4128388.72	0.000	0.000	0.000	0.00067
594305.04	4128388.72	0.000	0.000	0.000	0.00070
594333.38	4128388.72	0.000	0.000	0.000	0.00073
594361.72	4128388.72	0.000	0.000	0.000	0.00076
594390.06	4128388.72	0.000	0.000	0.000	0.00079
594418.4	4128388.72	0.000	0.000	0.000	0.00083
594276.7	4128417	0.000	0.000	0.000	0.00074
594305.04	4128417	0.000	0.000	0.000	0.00077
594333.38	4128417	0.000	0.000	0.000	0.00081
594361.72	4128417	0.000	0.000	0.000	0.00085
594390.06	4128417	0.000	0.000	0.000	0.00090
594418.4	4128417	0.000	0.000	0.000	0.00094
594276.7	4128445.28	0.000	0.000	0.000	0.00082
594305.04	4128445.28	0.000	0.000	0.000	0.00086
594333.38	4128445.28	0.000	0.000	0.000	0.00091
594361.72	4128445.28	0.000	0.000	0.000	0.00097
594390.06	4128445.28	0.000	0.000	0.000	0.00103
594418.4	4128445.28	0.000	0.000	0.000	0.00109
594276.7	4128473.56	0.000	0.000	0.000	0.00090
594305.04	4128473.56	0.000	0.000	0.000	0.00096
594333.38	4128473.56	0.000	0.000	0.000	0.00103
594361.72	4128473.56	0.000	0.001	0.000	0.00110
594390.06	4128473.56	0.000	0.001	0.000	0.00118

594418.4	4128473.56	0.000	0.001	0.000	0.00127
594019.56	4128351.99	0.000	0.000	0.000	0.00044
594057.87	4128351.99	0.000	0.000	0.000	0.00046
594096.18	4128351.99	0.000	0.000	0.000	0.00048
594134.49	4128351.99	0.000	0.000	0.000	0.00051
594172.8	4128351.99	0.000	0.000	0.000	0.00053
594211.11	4128351.99	0.000	0.000	0.000	0.00056
594019.56	4128372.85	0.000	0.000	0.000	0.00045
594057.87	4128372.85	0.000	0.000	0.000	0.00048
594096.18	4128372.85	0.000	0.000	0.000	0.00050
594134.49	4128372.85	0.000	0.000	0.000	0.00053
594172.8	4128372.85	0.000	0.000	0.000	0.00056
594211.11	4128372.85	0.000	0.000	0.000	0.00059
594019.56	4128393.71	0.000	0.000	0.000	0.00047
594057.87	4128393.71	0.000	0.000	0.000	0.00049
594096.18	4128393.71	0.000	0.000	0.000	0.00052
594134.49	4128393.71	0.000	0.000	0.000	0.00055
594172.8	4128393.71	0.000	0.000	0.000	0.00059
594211.11	4128393.71	0.000	0.000	0.000	0.00062
594019.56	4128414.57	0.000	0.000	0.000	0.00048
594057.87	4128414.57	0.000	0.000	0.000	0.00051
594096.18	4128414.57	0.000	0.000	0.000	0.00055
594134.49	4128414.57	0.000	0.000	0.000	0.00058
594172.8	4128414.57	0.000	0.000	0.000	0.00062
594211.11	4128414.57	0.000	0.000	0.000	0.00066
594019.56	4128435.43	0.000	0.000	0.000	0.00050
594057.87	4128435.43	0.000	0.000	0.000	0.00054
594096.18	4128435.43	0.000	0.000	0.000	0.00057
594134.49	4128435.43	0.000	0.000	0.000	0.00061
594172.8	4128435.43	0.000	0.000	0.000	0.00065
594211.11	4128435.43	0.000	0.000	0.000	0.00070
594019.56	4128456.29	0.000	0.000	0.000	0.00053
594057.87	4128456.29	0.000	0.000	0.000	0.00056
594096.18	4128456.29	0.000	0.000	0.000	0.00060
594134.49	4128456.29	0.000	0.000	0.000	0.00064
594172.8	4128456.29	0.000	0.000	0.000	0.00069
594211.11	4128456.29	0.000	0.000	0.000	0.00075
594019.56	4128477.15	0.000	0.000	0.000	0.00055
594057.87	4128477.15	0.000	0.000	0.000	0.00059
594096.18	4128477.15	0.000	0.000	0.000	0.00063

594134.49	4128477.15	0.000	0.000	0.000	0.00068
594172.8	4128477.15	0.000	0.000	0.000	0.00074
594211.11	4128477.15	0.000	0.000	0.000	0.00080
594019.56	4128498.01	0.000	0.000	0.000	0.00058
594057.87	4128498.01	0.000	0.000	0.000	0.00062
594096.18	4128498.01	0.000	0.000	0.000	0.00067
594134.49	4128498.01	0.000	0.000	0.000	0.00072
594172.8	4128498.01	0.000	0.000	0.000	0.00078
594211.11	4128498.01	0.000	0.000	0.000	0.00085
593932.1	4128545.28	0.000	0.000	0.000	0.00055
593958.16	4128545.28	0.000	0.000	0.000	0.00057
593984.22	4128545.28	0.000	0.000	0.000	0.00060
594010.28	4128545.28	0.000	0.000	0.000	0.00063
594036.34	4128545.28	0.000	0.000	0.000	0.00067
594062.4	4128545.28	0.000	0.000	0.000	0.00071
594088.46	4128545.28	0.000	0.000	0.000	0.00075
594114.52	4128545.28	0.000	0.000	0.000	0.00079
594140.58	4128545.28	0.000	0.000	0.000	0.00084
594166.64	4128545.28	0.000	0.000	0.000	0.00090
594192.7	4128545.28	0.000	0.000	0.000	0.00096
593932.1	4128616.57	0.000	0.000	0.000	0.00064
593958.16	4128616.57	0.000	0.000	0.000	0.00068
593984.22	4128616.57	0.000	0.000	0.000	0.00072
594010.28	4128616.57	0.000	0.000	0.000	0.00076
594036.34	4128616.57	0.000	0.000	0.000	0.00081
594062.4	4128616.57	0.000	0.000	0.000	0.00086
594088.46	4128616.57	0.000	0.000	0.000	0.00092
594114.52	4128616.57	0.000	0.000	0.000	0.00098
594140.58	4128616.57	0.000	0.000	0.000	0.00106
594166.64	4128616.57	0.000	0.001	0.000	0.00114
594192.7	4128616.57	0.000	0.001	0.000	0.00123
593932.1	4128687.86	0.000	0.000	0.000	0.00075
593958.16	4128687.86	0.000	0.000	0.000	0.00080
593984.22	4128687.86	0.000	0.000	0.000	0.00086
594010.28	4128687.86	0.000	0.000	0.000	0.00091
594036.34	4128687.86	0.000	0.000	0.000	0.00098
594062.4	4128687.86	0.000	0.000	0.000	0.00105
594088.46	4128687.86	0.000	0.001	0.000	0.00113
594114.52	4128687.86	0.000	0.001	0.000	0.00122
594140.58	4128687.86	0.000	0.001	0.000	0.00133

594166.64	4128687.86	0.000	0.001	0.000	0.00144
594192.7	4128687.86	0.000	0.001	0.001	0.00158
593920.36	4128705.8	0.000	0.000	0.000	0.00076
593960.05	4128705.8	0.000	0.000	0.000	0.00084
593999.74	4128705.8	0.000	0.000	0.000	0.00093
594039.43	4128705.8	0.000	0.000	0.000	0.00103
594079.12	4128705.8	0.000	0.001	0.000	0.00116
594118.81	4128705.8	0.000	0.001	0.000	0.00131
594158.5	4128705.8	0.000	0.001	0.001	0.00149
594198.19	4128705.8	0.000	0.001	0.001	0.00171
593920.36	4128732.44	0.000	0.000	0.000	0.00081
593960.05	4128732.44	0.000	0.000	0.000	0.00089
593999.74	4128732.44	0.000	0.000	0.000	0.00099
594039.43	4128732.44	0.000	0.001	0.000	0.00111
594079.12	4128732.44	0.000	0.001	0.000	0.00125
594118.81	4128732.44	0.000	0.001	0.000	0.00141
594158.5	4128732.44	0.000	0.001	0.001	0.00161
594198.19	4128732.44	0.000	0.001	0.001	0.00186
593920.36	4128759.08	0.000	0.000	0.000	0.00086
593960.05	4128759.08	0.000	0.000	0.000	0.00095
593999.74	4128759.08	0.000	0.000	0.000	0.00106
594039.43	4128759.08	0.000	0.001	0.000	0.00118
594079.12	4128759.08	0.000	0.001	0.000	0.00134
594118.81	4128759.08	0.000	0.001	0.001	0.00152
594158.5	4128759.08	0.000	0.001	0.001	0.00174
594198.19	4128759.08	0.000	0.001	0.001	0.00201
593920.36	4128785.72	0.000	0.000	0.000	0.00091
593960.05	4128785.72	0.000	0.000	0.000	0.00101
593999.74	4128785.72	0.000	0.001	0.000	0.00113
594039.43	4128785.72	0.000	0.001	0.000	0.00126
594079.12	4128785.72	0.000	0.001	0.000	0.00143
594118.81	4128785.72	0.000	0.001	0.001	0.00163
594158.5	4128785.72	0.000	0.001	0.001	0.00187
594198.19	4128785.72	0.000	0.001	0.001	0.00216
593920.36	4128812.36	0.000	0.000	0.000	0.00096
593960.05	4128812.36	0.000	0.000	0.000	0.00107
593999.74	4128812.36	0.000	0.001	0.000	0.00119
594039.43	4128812.36	0.000	0.001	0.000	0.00134
594079.12	4128812.36	0.000	0.001	0.001	0.00152
594118.81	4128812.36	0.000	0.001	0.001	0.00173

594158.5	4128812.36	0.000	0.001	0.001	0.00199
594198.19	4128812.36	0.000	0.001	0.001	0.00231
593920.36	4128839	0.000	0.000	0.000	0.00102
593960.05	4128839	0.000	0.001	0.000	0.00113
593999.74	4128839	0.000	0.001	0.000	0.00126
594039.43	4128839	0.000	0.001	0.000	0.00142
594079.12	4128839	0.000	0.001	0.001	0.00161
594118.81	4128839	0.000	0.001	0.001	0.00183
594158.5	4128839	0.000	0.001	0.001	0.00210
594198.19	4128839	0.000	0.001	0.001	0.00243
593920.36	4128865.64	0.000	0.000	0.000	0.00107
593960.05	4128865.64	0.000	0.001	0.000	0.00119
593999.74	4128865.64	0.000	0.001	0.000	0.00133
594039.43	4128865.64	0.000	0.001	0.001	0.00149
594079.12	4128865.64	0.000	0.001	0.001	0.00169
594118.81	4128865.64	0.000	0.001	0.001	0.00192
594158.5	4128865.64	0.000	0.001	0.001	0.00220
594198.19	4128865.64	0.000	0.001	0.001	0.00254
593920.36	4128892.28	0.000	0.001	0.000	0.00112
593960.05	4128892.28	0.000	0.001	0.000	0.00125
593999.74	4128892.28	0.000	0.001	0.000	0.00139
594039.43	4128892.28	0.000	0.001	0.001	0.00156
594079.12	4128892.28	0.000	0.001	0.001	0.00176
594118.81	4128892.28	0.000	0.001	0.001	0.00200
594158.5	4128892.28	0.000	0.001	0.001	0.00229
594198.19	4128892.28	0.001	0.001	0.001	0.00263
593920.36	4128918.92	0.000	0.001	0.000	0.00117
593960.05	4128918.92	0.000	0.001	0.000	0.00130
593999.74	4128918.92	0.000	0.001	0.001	0.00145
594039.43	4128918.92	0.000	0.001	0.001	0.00162
594079.12	4128918.92	0.000	0.001	0.001	0.00183
594118.81	4128918.92	0.000	0.001	0.001	0.00207
594158.5	4128918.92	0.000	0.001	0.001	0.00235
594198.19	4128918.92	0.001	0.001	0.001	0.00268
593920.36	4128945.56	0.000	0.001	0.000	0.00121
593960.05	4128945.56	0.000	0.001	0.000	0.00134
593999.74	4128945.56	0.000	0.001	0.001	0.00150
594039.43	4128945.56	0.000	0.001	0.001	0.00167
594079.12	4128945.56	0.000	0.001	0.001	0.00187
594118.81	4128945.56	0.000	0.001	0.001	0.00211

594158.5	4128945.56	0.000	0.001	0.001	0.00239
594198.19	4128945.56	0.001	0.001	0.001	0.00271
595128.75	4128512.05	0.002	0.005	0.004	0.01193
595157.74	4128512.05	0.002	0.005	0.004	0.01050
595128.75	4128529.32	0.002	0.006	0.004	0.01217
595157.74	4128529.32	0.002	0.005	0.004	0.01062
595128.75	4128546.59	0.002	0.006	0.004	0.01226
595157.74	4128546.59	0.002	0.005	0.004	0.01062
595362.46	4128329.27	0.001	0.002	0.001	0.00424
595397.07	4128329.27	0.001	0.002	0.001	0.00392
595431.68	4128329.27	0.001	0.002	0.001	0.00361
595466.29	4128329.27	0.001	0.002	0.001	0.00332
595362.46	4128386.58	0.001	0.002	0.002	0.00457
595397.07	4128386.58	0.001	0.002	0.001	0.00414
595431.68	4128386.58	0.001	0.002	0.001	0.00375
595466.29	4128386.58	0.001	0.002	0.001	0.00340
595362.46	4128443.89	0.001	0.002	0.002	0.00467
595397.07	4128443.89	0.001	0.002	0.001	0.00416
595431.68	4128443.89	0.001	0.002	0.001	0.00370
595466.29	4128443.89	0.001	0.002	0.001	0.00330
595362.46	4128501.2	0.001	0.002	0.002	0.00448
595397.07	4128501.2	0.001	0.002	0.001	0.00392
595431.68	4128501.2	0.001	0.002	0.001	0.00344
595466.29	4128501.2	0.001	0.001	0.001	0.00303
594785.72	4129528.1	0.000	0.000	0.000	0.00067
594896.78	4129528.1	0.000	0.000	0.000	0.00055
595007.84	4129528.1	0.000	0.000	0.000	0.00041
595118.9	4129528.1	0.000	0.000	0.000	0.00039
595229.96	4129528.1	0.000	0.000	0.000	0.00040
594785.72	4129568.18	0.000	0.000	0.000	0.00062
594896.78	4129568.18	0.000	0.000	0.000	0.00051
595007.84	4129568.18	0.000	0.000	0.000	0.00038
595118.9	4129568.18	0.000	0.000	0.000	0.00035
595229.96	4129568.18	0.000	0.000	0.000	0.00036
594785.72	4129608.26	0.000	0.000	0.000	0.00057
594896.78	4129608.26	0.000	0.000	0.000	0.00048
595007.84	4129608.26	0.000	0.000	0.000	0.00036
595118.9	4129608.26	0.000	0.000	0.000	0.00032
595229.96	4129608.26	0.000	0.000	0.000	0.00033
594785.72	4129648.34	0.000	0.000	0.000	0.00053

594896.78	4129648.34	0.000	0.000	0.000	0.00045
595007.84	4129648.34	0.000	0.000	0.000	0.00033
595118.9	4129648.34	0.000	0.000	0.000	0.00030
595229.96	4129648.34	0.000	0.000	0.000	0.00030
594785.72	4129688.42	0.000	0.000	0.000	0.00049
594896.78	4129688.42	0.000	0.000	0.000	0.00042
595007.84	4129688.42	0.000	0.000	0.000	0.00031
595118.9	4129688.42	0.000	0.000	0.000	0.00027
595229.96	4129688.42	0.000	0.000	0.000	0.00028
594785.72	4129728.5	0.000	0.000	0.000	0.00046
594896.78	4129728.5	0.000	0.000	0.000	0.00040
595007.84	4129728.5	0.000	0.000	0.000	0.00030
595118.9	4129728.5	0.000	0.000	0.000	0.00025
595229.96	4129728.5	0.000	0.000	0.000	0.00025
594785.72	4129768.58	0.000	0.000	0.000	0.00043
594896.78	4129768.58	0.000	0.000	0.000	0.00037
595007.84	4129768.58	0.000	0.000	0.000	0.00028
595118.9	4129768.58	0.000	0.000	0.000	0.00024
595229.96	4129768.58	0.000	0.000	0.000	0.00023
594785.72	4129808.66	0.000	0.000	0.000	0.00040
594896.78	4129808.66	0.000	0.000	0.000	0.00035
595007.84	4129808.66	0.000	0.000	0.000	0.00027
595118.9	4129808.66	0.000	0.000	0.000	0.00022
595229.96	4129808.66	0.000	0.000	0.000	0.00021
593938.13	4129525.18	0.000	0.000	0.000	0.00089
594005.94	4129525.18	0.000	0.000	0.000	0.00091
594073.75	4129525.18	0.000	0.000	0.000	0.00093
594141.56	4129525.18	0.000	0.000	0.000	0.00093
594209.37	4129525.18	0.000	0.000	0.000	0.00092
594277.18	4129525.18	0.000	0.000	0.000	0.00090
594344.99	4129525.18	0.000	0.000	0.000	0.00088
594412.8	4129525.18	0.000	0.000	0.000	0.00086
594480.61	4129525.18	0.000	0.000	0.000	0.00082
594548.42	4129525.18	0.000	0.000	0.000	0.00077
594616.23	4129525.18	0.000	0.000	0.000	0.00072
593938.13	4129583.05	0.000	0.000	0.000	0.00081
594005.94	4129583.05	0.000	0.000	0.000	0.00082
594073.75	4129583.05	0.000	0.000	0.000	0.00082
594141.56	4129583.05	0.000	0.000	0.000	0.00082
594209.37	4129583.05	0.000	0.000	0.000	0.00080

594277.18	4129583.05	0.000	0.000	0.000	0.00079
594344.99	4129583.05	0.000	0.000	0.000	0.00077
594412.8	4129583.05	0.000	0.000	0.000	0.00075
594480.61	4129583.05	0.000	0.000	0.000	0.00072
594548.42	4129583.05	0.000	0.000	0.000	0.00067
594616.23	4129583.05	0.000	0.000	0.000	0.00063
593938.13	4129640.92	0.000	0.000	0.000	0.00073
594005.94	4129640.92	0.000	0.000	0.000	0.00074
594073.75	4129640.92	0.000	0.000	0.000	0.00073
594141.56	4129640.92	0.000	0.000	0.000	0.00072
594209.37	4129640.92	0.000	0.000	0.000	0.00071
594277.18	4129640.92	0.000	0.000	0.000	0.00070
594344.99	4129640.92	0.000	0.000	0.000	0.00068
594412.8	4129640.92	0.000	0.000	0.000	0.00066
594480.61	4129640.92	0.000	0.000	0.000	0.00063
594548.42	4129640.92	0.000	0.000	0.000	0.00059
594616.23	4129640.92	0.000	0.000	0.000	0.00056
593938.13	4129698.79	0.000	0.000	0.000	0.00067
594005.94	4129698.79	0.000	0.000	0.000	0.00066
594073.75	4129698.79	0.000	0.000	0.000	0.00065
594141.56	4129698.79	0.000	0.000	0.000	0.00064
594209.37	4129698.79	0.000	0.000	0.000	0.00063
594277.18	4129698.79	0.000	0.000	0.000	0.00062
594344.99	4129698.79	0.000	0.000	0.000	0.00061
594412.8	4129698.79	0.000	0.000	0.000	0.00059
594480.61	4129698.79	0.000	0.000	0.000	0.00056
594548.42	4129698.79	0.000	0.000	0.000	0.00053
594616.23	4129698.79	0.000	0.000	0.000	0.00050
593938.13	4129756.66	0.000	0.000	0.000	0.00060
594005.94	4129756.66	0.000	0.000	0.000	0.00060
594073.75	4129756.66	0.000	0.000	0.000	0.00059
594141.56	4129756.66	0.000	0.000	0.000	0.00058
594209.37	4129756.66	0.000	0.000	0.000	0.00057
594277.18	4129756.66	0.000	0.000	0.000	0.00056
594344.99	4129756.66	0.000	0.000	0.000	0.00055
594412.8	4129756.66	0.000	0.000	0.000	0.00053
594480.61	4129756.66	0.000	0.000	0.000	0.00050
594548.42	4129756.66	0.000	0.000	0.000	0.00047
594616.23	4129756.66	0.000	0.000	0.000	0.00044
593938.13	4129814.53	0.000	0.000	0.000	0.00055



594005.94	4129814.53	0.000	0.000	0.000	0.00054
594073.75	4129814.53	0.000	0.000	0.000	0.00053
594141.56	4129814.53	0.000	0.000	0.000	0.00052
594209.37	4129814.53	0.000	0.000	0.000	0.00051
594277.18	4129814.53	0.000	0.000	0.000	0.00050
594344.99	4129814.53	0.000	0.000	0.000	0.00049
594412.8	4129814.53	0.000	0.000	0.000	0.00048
594480.61	4129814.53	0.000	0.000	0.000	0.00045
594548.42	4129814.53	0.000	0.000	0.000	0.00042
594616.23	4129814.53	0.000	0.000	0.000	0.00040
593667	4128083.42	0.000	0.000	0.000	0.00017
593722.02	4128083.42	0.000	0.000	0.000	0.00018
593777.04	4128083.42	0.000	0.000	0.000	0.00019
593832.06	4128083.42	0.000	0.000	0.000	0.00020
593667	4128157.74	0.000	0.000	0.000	0.00020
593722.02	4128157.74	0.000	0.000	0.000	0.00021
593777.04	4128157.74	0.000	0.000	0.000	0.00022
593832.06	4128157.74	0.000	0.000	0.000	0.00024
593667	4128232.06	0.000	0.000	0.000	0.00022
593722.02	4128232.06	0.000	0.000	0.000	0.00024
593777.04	4128232.06	0.000	0.000	0.000	0.00026
593832.06	4128232.06	0.000	0.000	0.000	0.00028
593667	4128306.38	0.000	0.000	0.000	0.00025
593722.02	4128306.38	0.000	0.000	0.000	0.00027
593777.04	4128306.38	0.000	0.000	0.000	0.00029
593832.06	4128306.38	0.000	0.000	0.000	0.00031
593667	4128380.7	0.000	0.000	0.000	0.00027
593722.02	4128380.7	0.000	0.000	0.000	0.00029
593777.04	4128380.7	0.000	0.000	0.000	0.00032
593832.06	4128380.7	0.000	0.000	0.000	0.00035
593667	4128455.02	0.000	0.000	0.000	0.00030
593722.02	4128455.02	0.000	0.000	0.000	0.00033
593777.04	4128455.02	0.000	0.000	0.000	0.00036
593832.06	4128455.02	0.000	0.000	0.000	0.00039
593667	4128529.34	0.000	0.000	0.000	0.00035
593722.02	4128529.34	0.000	0.000	0.000	0.00037
593777.04	4128529.34	0.000	0.000	0.000	0.00041
593832.06	4128529.34	0.000	0.000	0.000	0.00044
593667	4128603.66	0.000	0.000	0.000	0.00039
593722.02	4128603.66	0.000	0.000	0.000	0.00043

593777.04	4128603.66	0.000	0.000	0.000	0.00047
593832.06	4128603.66	0.000	0.000	0.000	0.00052
593667	4128677.98	0.000	0.000	0.000	0.00044
593722.02	4128677.98	0.000	0.000	0.000	0.00049
593777.04	4128677.98	0.000	0.000	0.000	0.00054
593832.06	4128677.98	0.000	0.000	0.000	0.00060
593667	4128752.3	0.000	0.000	0.000	0.00050
593722.02	4128752.3	0.000	0.000	0.000	0.00055
593777.04	4128752.3	0.000	0.000	0.000	0.00062
593832.06	4128752.3	0.000	0.000	0.000	0.00069
593667	4128826.62	0.000	0.000	0.000	0.00056
593722.02	4128826.62	0.000	0.000	0.000	0.00063
593777.04	4128826.62	0.000	0.000	0.000	0.00071
593832.06	4128826.62	0.000	0.000	0.000	0.00080
593667	4128900.94	0.000	0.000	0.000	0.00064
593722.02	4128900.94	0.000	0.000	0.000	0.00071
593777.04	4128900.94	0.000	0.000	0.000	0.00080
593832.06	4128900.94	0.000	0.000	0.000	0.00091
593667	4128975.26	0.000	0.000	0.000	0.00071
593722.02	4128975.26	0.000	0.000	0.000	0.00080
593777.04	4128975.26	0.000	0.000	0.000	0.00090
593832.06	4128975.26	0.000	0.000	0.000	0.00102
593667	4129049.58	0.000	0.000	0.000	0.00078
593722.02	4129049.58	0.000	0.000	0.000	0.00087
593777.04	4129049.58	0.000	0.000	0.000	0.00097
593832.06	4129049.58	0.000	0.000	0.000	0.00109
594352.86	4127540.64	0.000	0.000	0.000	0.00006
594416.15	4127540.64	0.000	0.000	0.000	0.00006
594479.44	4127540.64	0.000	0.000	0.000	0.00007
594542.73	4127540.64	0.000	0.000	0.000	0.00009
594606.02	4127540.64	0.000	0.000	0.000	0.00010
594669.31	4127540.64	0.000	0.000	0.000	0.00013
594732.6	4127540.64	0.000	0.000	0.000	0.00015
594795.89	4127540.64	0.000	0.000	0.000	0.00018
594859.18	4127540.64	0.000	0.000	0.000	0.00021
594922.47	4127540.64	0.000	0.000	0.000	0.00025
594985.76	4127540.64	0.000	0.000	0.000	0.00029
595049.05	4127540.64	0.000	0.000	0.000	0.00033
595112.34	4127540.64	0.000	0.000	0.000	0.00037
595175.63	4127540.64	0.000	0.000	0.000	0.00041

595238.92	4127540.64	0.000	0.000	0.000	0.00046
595302.21	4127540.64	0.000	0.000	0.000	0.00050
595365.5	4127540.64	0.000	0.000	0.000	0.00054
595428.79	4127540.64	0.000	0.000	0.000	0.00057
595492.08	4127540.64	0.000	0.000	0.000	0.00060
595555.37	4127540.64	0.000	0.000	0.000	0.00062
595618.66	4127540.64	0.000	0.000	0.000	0.00064
594352.86	4127567.33	0.000	0.000	0.000	0.00006
594416.15	4127567.33	0.000	0.000	0.000	0.00007
594479.44	4127567.33	0.000	0.000	0.000	0.00008
594542.73	4127567.33	0.000	0.000	0.000	0.00009
594606.02	4127567.33	0.000	0.000	0.000	0.00011
594669.31	4127567.33	0.000	0.000	0.000	0.00013
594732.6	4127567.33	0.000	0.000	0.000	0.00016
594795.89	4127567.33	0.000	0.000	0.000	0.00019
594859.18	4127567.33	0.000	0.000	0.000	0.00023
594922.47	4127567.33	0.000	0.000	0.000	0.00027
594985.76	4127567.33	0.000	0.000	0.000	0.00031
595049.05	4127567.33	0.000	0.000	0.000	0.00035
595112.34	4127567.33	0.000	0.000	0.000	0.00040
595175.63	4127567.33	0.000	0.000	0.000	0.00045
595238.92	4127567.33	0.000	0.000	0.000	0.00049
595302.21	4127567.33	0.000	0.000	0.000	0.00053
595365.5	4127567.33	0.000	0.000	0.000	0.00057
595428.79	4127567.33	0.000	0.000	0.000	0.00061
595492.08	4127567.33	0.000	0.000	0.000	0.00064
595555.37	4127567.33	0.000	0.000	0.000	0.00066
595618.66	4127567.33	0.000	0.000	0.000	0.00067
594352.86	4127594.02	0.000	0.000	0.000	0.00007
594416.15	4127594.02	0.000	0.000	0.000	0.00008
594479.44	4127594.02	0.000	0.000	0.000	0.00009
594542.73	4127594.02	0.000	0.000	0.000	0.00010
594606.02	4127594.02	0.000	0.000	0.000	0.00012
594669.31	4127594.02	0.000	0.000	0.000	0.00014
594732.6	4127594.02	0.000	0.000	0.000	0.00017
594795.89	4127594.02	0.000	0.000	0.000	0.00021
594859.18	4127594.02	0.000	0.000	0.000	0.00024
594922.47	4127594.02	0.000	0.000	0.000	0.00029
594985.76	4127594.02	0.000	0.000	0.000	0.00033
595049.05	4127594.02	0.000	0.000	0.000	0.00038

595112.34	4127594.02	0.000	0.000	0.000	0.00043
595175.63	4127594.02	0.000	0.000	0.000	0.00048
595238.92	4127594.02	0.000	0.000	0.000	0.00053
595302.21	4127594.02	0.000	0.000	0.000	0.00057
595365.5	4127594.02	0.000	0.000	0.000	0.00061
595428.79	4127594.02	0.000	0.000	0.000	0.00065
595492.08	4127594.02	0.000	0.000	0.000	0.00068
595555.37	4127594.02	0.000	0.000	0.000	0.00070
595618.66	4127594.02	0.000	0.000	0.000	0.00071
594352.86	4127620.71	0.000	0.000	0.000	0.00007
594416.15	4127620.71	0.000	0.000	0.000	0.00008
594479.44	4127620.71	0.000	0.000	0.000	0.00009
594542.73	4127620.71	0.000	0.000	0.000	0.00011
594606.02	4127620.71	0.000	0.000	0.000	0.00013
594669.31	4127620.71	0.000	0.000	0.000	0.00015
594732.6	4127620.71	0.000	0.000	0.000	0.00019
594795.89	4127620.71	0.000	0.000	0.000	0.00022
594859.18	4127620.71	0.000	0.000	0.000	0.00026
594922.47	4127620.71	0.000	0.000	0.000	0.00031
594985.76	4127620.71	0.000	0.000	0.000	0.00036
595049.05	4127620.71	0.000	0.000	0.000	0.00041
595112.34	4127620.71	0.000	0.000	0.000	0.00046
595175.63	4127620.71	0.000	0.000	0.000	0.00052
595238.92	4127620.71	0.000	0.000	0.000	0.00057
595302.21	4127620.71	0.000	0.000	0.000	0.00062
595365.5	4127620.71	0.000	0.000	0.000	0.00066
595428.79	4127620.71	0.000	0.000	0.000	0.00069
595492.08	4127620.71	0.000	0.000	0.000	0.00072
595555.37	4127620.71	0.000	0.000	0.000	0.00074
595618.66	4127620.71	0.000	0.000	0.000	0.00075
594352.86	4127647.4	0.000	0.000	0.000	0.00008
594416.15	4127647.4	0.000	0.000	0.000	0.00009
594479.44	4127647.4	0.000	0.000	0.000	0.00010
594542.73	4127647.4	0.000	0.000	0.000	0.00012
594606.02	4127647.4	0.000	0.000	0.000	0.00014
594669.31	4127647.4	0.000	0.000	0.000	0.00017
594732.6	4127647.4	0.000	0.000	0.000	0.00020
594795.89	4127647.4	0.000	0.000	0.000	0.00024
594859.18	4127647.4	0.000	0.000	0.000	0.00028
594922.47	4127647.4	0.000	0.000	0.000	0.00033

594985.76	4127647.4	0.000	0.000	0.000	0.00039
595049.05	4127647.4	0.000	0.000	0.000	0.00044
595112.34	4127647.4	0.000	0.000	0.000	0.00050
595175.63	4127647.4	0.000	0.000	0.000	0.00056
595238.92	4127647.4	0.000	0.000	0.000	0.00061
595302.21	4127647.4	0.000	0.000	0.000	0.00066
595365.5	4127647.4	0.000	0.000	0.000	0.00070
595428.79	4127647.4	0.000	0.000	0.000	0.00074
595492.08	4127647.4	0.000	0.000	0.000	0.00077
595555.37	4127647.4	0.000	0.000	0.000	0.00078
595618.66	4127647.4	0.000	0.000	0.000	0.00079
594352.86	4127674.09	0.000	0.000	0.000	0.00009
594416.15	4127674.09	0.000	0.000	0.000	0.00010
594479.44	4127674.09	0.000	0.000	0.000	0.00011
594542.73	4127674.09	0.000	0.000	0.000	0.00013
594606.02	4127674.09	0.000	0.000	0.000	0.00015
594669.31	4127674.09	0.000	0.000	0.000	0.00018
594732.6	4127674.09	0.000	0.000	0.000	0.00022
594795.89	4127674.09	0.000	0.000	0.000	0.00026
594859.18	4127674.09	0.000	0.000	0.000	0.00031
594922.47	4127674.09	0.000	0.000	0.000	0.00036
594985.76	4127674.09	0.000	0.000	0.000	0.00042
595049.05	4127674.09	0.000	0.000	0.000	0.00048
595112.34	4127674.09	0.000	0.000	0.000	0.00054
595175.63	4127674.09	0.000	0.000	0.000	0.00060
595238.92	4127674.09	0.000	0.000	0.000	0.00066
595302.21	4127674.09	0.000	0.000	0.000	0.00071
595365.5	4127674.09	0.000	0.000	0.000	0.00076
595428.79	4127674.09	0.000	0.000	0.000	0.00079
595492.08	4127674.09	0.000	0.000	0.000	0.00082
595555.37	4127674.09	0.000	0.000	0.000	0.00083
595618.66	4127674.09	0.000	0.000	0.000	0.00084
594352.86	4127700.78	0.000	0.000	0.000	0.00010
594416.15	4127700.78	0.000	0.000	0.000	0.00011
594479.44	4127700.78	0.000	0.000	0.000	0.00012
594542.73	4127700.78	0.000	0.000	0.000	0.00014
594606.02	4127700.78	0.000	0.000	0.000	0.00016
594669.31	4127700.78	0.000	0.000	0.000	0.00020
594732.6	4127700.78	0.000	0.000	0.000	0.00024
594795.89	4127700.78	0.000	0.000	0.000	0.00028

594859.18	4127700.78	0.000	0.000	0.000	0.00034
594922.47	4127700.78	0.000	0.000	0.000	0.00039
594985.76	4127700.78	0.000	0.000	0.000	0.00045
595049.05	4127700.78	0.000	0.000	0.000	0.00052
595112.34	4127700.78	0.000	0.000	0.000	0.00059
595175.63	4127700.78	0.000	0.000	0.000	0.00065
595238.92	4127700.78	0.000	0.000	0.000	0.00071
595302.21	4127700.78	0.000	0.000	0.000	0.00077
595365.5	4127700.78	0.000	0.000	0.000	0.00081
595428.79	4127700.78	0.000	0.000	0.000	0.00085
595492.08	4127700.78	0.000	0.000	0.000	0.00087
595555.37	4127700.78	0.000	0.000	0.000	0.00088
595618.66	4127700.78	0.000	0.000	0.000	0.00088
595497.7	4127730.05	0.000	0.000	0.000	0.00093
595572.99	4127730.05	0.000	0.000	0.000	0.00094
595648.28	4127730.05	0.000	0.000	0.000	0.00093
595723.57	4127730.05	0.000	0.000	0.000	0.00091
595798.86	4127730.05	0.000	0.000	0.000	0.00089
595497.7	4127796.4	0.000	0.000	0.000	0.00109
595572.99	4127796.4	0.000	0.000	0.000	0.00108
595648.28	4127796.4	0.000	0.000	0.000	0.00106
595723.57	4127796.4	0.000	0.000	0.000	0.00103
595798.86	4127796.4	0.000	0.000	0.000	0.00099
595497.7	4127862.75	0.000	0.001	0.000	0.00127
595572.99	4127862.75	0.000	0.001	0.000	0.00124
595648.28	4127862.75	0.000	0.001	0.000	0.00120
595723.57	4127862.75	0.000	0.001	0.000	0.00115
595798.86	4127862.75	0.000	0.001	0.000	0.00109
595497.7	4127929.1	0.000	0.001	0.001	0.00148
595572.99	4127929.1	0.000	0.001	0.000	0.00143
595648.28	4127929.1	0.000	0.001	0.000	0.00136
595723.57	4127929.1	0.000	0.001	0.000	0.00128
595798.86	4127929.1	0.000	0.001	0.000	0.00120
595497.7	4127995.45	0.000	0.001	0.001	0.00172
595572.99	4127995.45	0.000	0.001	0.001	0.00163
595648.28	4127995.45	0.000	0.001	0.001	0.00153
595723.57	4127995.45	0.000	0.001	0.000	0.00143
595798.86	4127995.45	0.000	0.001	0.000	0.00132
595497.7	4128061.8	0.000	0.001	0.001	0.00200
595572.99	4128061.8	0.000	0.001	0.001	0.00186

595648.28	4128061.8	0.000	0.001	0.001	0.00171
595723.57	4128061.8	0.000	0.001	0.001	0.00157
595798.86	4128061.8	0.000	0.001	0.000	0.00143
595497.7	4128128.15	0.000	0.001	0.001	0.00230
595572.99	4128128.15	0.000	0.001	0.001	0.00209
595648.28	4128128.15	0.000	0.001	0.001	0.00189
595723.57	4128128.15	0.000	0.001	0.001	0.00170
595798.86	4128128.15	0.000	0.001	0.001	0.00152
595497.7	4128194.5	0.001	0.001	0.001	0.00261
595572.99	4128194.5	0.000	0.001	0.001	0.00232
595648.28	4128194.5	0.000	0.001	0.001	0.00204
595723.57	4128194.5	0.000	0.001	0.001	0.00179
595798.86	4128194.5	0.000	0.001	0.001	0.00156
595497.7	4128260.85	0.001	0.001	0.001	0.00289
595572.99	4128260.85	0.000	0.001	0.001	0.00249
595648.28	4128260.85	0.000	0.001	0.001	0.00213
595723.57	4128260.85	0.000	0.001	0.001	0.00182
595798.86	4128260.85	0.000	0.001	0.001	0.00156
595497.7	4128327.2	0.001	0.001	0.001	0.00308
595572.99	4128327.2	0.001	0.001	0.001	0.00256
595648.28	4128327.2	0.000	0.001	0.001	0.00213
595723.57	4128327.2	0.000	0.001	0.001	0.00178
595798.86	4128327.2	0.000	0.001	0.001	0.00149
595497.7	4128393.55	0.001	0.001	0.001	0.00310
595572.99	4128393.55	0.000	0.001	0.001	0.00250
595648.28	4128393.55	0.000	0.001	0.001	0.00202
595723.57	4128393.55	0.000	0.001	0.001	0.00165
595798.86	4128393.55	0.000	0.001	0.000	0.00136
595497.7	4128459.9	0.001	0.001	0.001	0.00292
595572.99	4128459.9	0.000	0.001	0.001	0.00229
595648.28	4128459.9	0.000	0.001	0.001	0.00182
595723.57	4128459.9	0.000	0.001	0.001	0.00147
595798.86	4128459.9	0.000	0.001	0.000	0.00120
595497.7	4128526.25	0.001	0.001	0.001	0.00256
595572.99	4128526.25	0.000	0.001	0.001	0.00198
595648.28	4128526.25	0.000	0.001	0.001	0.00156
595723.57	4128526.25	0.000	0.001	0.000	0.00126
595798.86	4128526.25	0.000	0.000	0.000	0.00103
595497.7	4128592.6	0.000	0.001	0.001	0.00211
595572.99	4128592.6	0.000	0.001	0.001	0.00164

595648.28	4128592.6	0.000	0.001	0.000	0.00131
595723.57	4128592.6	0.000	0.000	0.000	0.00106
595798.86	4128592.6	0.000	0.000	0.000	0.00088
595497.7	4128658.95	0.000	0.001	0.001	0.00167
595572.99	4128658.95	0.000	0.001	0.000	0.00133
595648.28	4128658.95	0.000	0.000	0.000	0.00108
595723.57	4128658.95	0.000	0.000	0.000	0.00090
595798.86	4128658.95	0.000	0.000	0.000	0.00076
595497.7	4128725.3	0.000	0.001	0.000	0.00132
595572.99	4128725.3	0.000	0.000	0.000	0.00109
595648.28	4128725.3	0.000	0.000	0.000	0.00091
595723.57	4128725.3	0.000	0.000	0.000	0.00077
595798.86	4128725.3	0.000	0.000	0.000	0.00066
595312.78	4128113.49	0.001	0.001	0.001	0.00262
595353.37	4128113.49	0.001	0.001	0.001	0.00255
595393.96	4128113.49	0.000	0.001	0.001	0.00247
595434.55	4128113.49	0.000	0.001	0.001	0.00238
595312.78	4128167.08	0.001	0.001	0.001	0.00308
595353.37	4128167.08	0.001	0.001	0.001	0.00296
595393.96	4128167.08	0.001	0.001	0.001	0.00283
595434.55	4128167.08	0.001	0.001	0.001	0.00270
595312.78	4128220.67	0.001	0.002	0.001	0.00360
595353.37	4128220.67	0.001	0.002	0.001	0.00341
595393.96	4128220.67	0.001	0.001	0.001	0.00322
595434.55	4128220.67	0.001	0.001	0.001	0.00302
595312.78	4128274.26	0.001	0.002	0.001	0.00416
595353.37	4128274.26	0.001	0.002	0.001	0.00388
595393.96	4128274.26	0.001	0.002	0.001	0.00360
595434.55	4128274.26	0.001	0.002	0.001	0.00333
593786.29	4129268.12	0.000	0.000	0.000	0.00100
593838.34	4129268.12	0.000	0.000	0.000	0.00108
593786.29	4129289.04	0.000	0.000	0.000	0.00098
593838.34	4129289.04	0.000	0.000	0.000	0.00106
593786.29	4129309.96	0.000	0.000	0.000	0.00097
593838.34	4129309.96	0.000	0.000	0.000	0.00105
595225.34	4128413.88	0.001	0.003	0.002	0.00706
595225.34	4128445.98	0.001	0.003	0.003	0.00747
595225.34	4128478.09	0.002	0.004	0.003	0.00773
595225.34	4128510.2	0.002	0.004	0.003	0.00781
595230.915	4128413.39	0.001	0.003	0.002	0.00694



595236.491	4128445.01	0.001	0.003	0.002	0.00718
595242.066	4128476.63	0.001	0.003	0.003	0.00724
595247.641	4128508.25	0.001	0.003	0.002	0.00711
595236.321	4128411.94	0.001	0.003	0.002	0.00681
595247.302	4128442.11	0.001	0.003	0.002	0.00690
595258.283	4128472.28	0.001	0.003	0.002	0.00680
595269.265	4128502.45	0.001	0.003	0.002	0.00651
595241.393	4128409.58	0.001	0.003	0.002	0.00668
595257.447	4128437.38	0.001	0.003	0.002	0.00663
595273.5	4128465.19	0.001	0.003	0.002	0.00641
595289.553	4128492.99	0.001	0.003	0.002	0.00602
595245.978	4128406.37	0.001	0.003	0.002	0.00655
595266.616	4128430.96	0.001	0.003	0.002	0.00639
595287.253	4128455.56	0.001	0.003	0.002	0.00607
595307.891	4128480.15	0.001	0.003	0.002	0.00563
595249.935	4128402.41	0.001	0.003	0.002	0.00643
595274.53	4128423.05	0.001	0.003	0.002	0.00617
595299.126	4128443.68	0.001	0.003	0.002	0.00579
595323.721	4128464.32	0.001	0.002	0.002	0.00533
595253.145	4128397.82	0.001	0.003	0.002	0.00632
595280.95	4128413.88	0.001	0.003	0.002	0.00598
595308.756	4128429.93	0.001	0.003	0.002	0.00556
595336.561	4128445.98	0.001	0.002	0.002	0.00510
595255.51	4128392.75	0.001	0.003	0.002	0.00622
595285.681	4128403.73	0.001	0.003	0.002	0.00581
595315.851	4128414.71	0.001	0.002	0.002	0.00538
595346.022	4128425.69	0.001	0.002	0.002	0.00492
595256.959	4128387.35	0.001	0.003	0.002	0.00612
595288.578	4128392.92	0.001	0.003	0.002	0.00567
595320.197	4128398.5	0.001	0.002	0.002	0.00522
595351.816	4128404.07	0.001	0.002	0.002	0.00478
595257.447	4128381.77	0.001	0.003	0.002	0.00605
595289.553	4128381.77	0.001	0.003	0.002	0.00555
595321.66	4128381.77	0.001	0.002	0.002	0.00509
595353.767	4128381.77	0.001	0.002	0.002	0.00466
595256.959	4128376.19	0.001	0.003	0.002	0.00598
595288.578	4128370.62	0.001	0.003	0.002	0.00546
595320.197	4128365.04	0.001	0.002	0.002	0.00498
595351.816	4128359.47	0.001	0.002	0.002	0.00456
595255.51	4128370.79	0.001	0.003	0.002	0.00593

595285.681	4128359.81	0.001	0.002	0.002	0.00538
595315.851	4128348.83	0.001	0.002	0.002	0.00490
595346.022	4128337.85	0.001	0.002	0.002	0.00447
595253.145	4128365.72	0.001	0.003	0.002	0.00590
595280.95	4128349.66	0.001	0.002	0.002	0.00532
595308.756	4128333.61	0.001	0.002	0.002	0.00483
595336.561	4128317.56	0.001	0.002	0.002	0.00440
595249.935	4128361.13	0.001	0.003	0.002	0.00588
595274.53	4128340.49	0.001	0.002	0.002	0.00529
595299.126	4128319.86	0.001	0.002	0.002	0.00478
595323.721	4128299.22	0.001	0.002	0.002	0.00434
595245.978	4128357.17	0.001	0.003	0.002	0.00588
595266.616	4128332.58	0.001	0.002	0.002	0.00528
595287.253	4128307.98	0.001	0.002	0.002	0.00475
595307.891	4128283.39	0.001	0.002	0.001	0.00430
595241.393	4128353.96	0.001	0.003	0.002	0.00589
595257.447	4128326.16	0.001	0.002	0.002	0.00528
595273.5	4128298.35	0.001	0.002	0.002	0.00475
595289.553	4128270.55	0.001	0.002	0.001	0.00428
595236.321	4128351.6	0.001	0.003	0.002	0.00592
595247.302	4128321.43	0.001	0.002	0.002	0.00532
595258.283	4128291.26	0.001	0.002	0.002	0.00478
595269.265	4128261.09	0.001	0.002	0.001	0.00429
595230.915	4128350.15	0.001	0.003	0.002	0.00596
595236.491	4128318.53	0.001	0.002	0.002	0.00538
595242.066	4128286.91	0.001	0.002	0.002	0.00484
595247.641	4128255.29	0.001	0.002	0.002	0.00434
595225.34	4128349.66	0.001	0.003	0.002	0.00603
595225.34	4128317.56	0.001	0.003	0.002	0.00547
595225.34	4128285.45	0.001	0.002	0.002	0.00494
595225.34	4128253.34	0.001	0.002	0.002	0.00443
595219.765	4128350.15	0.001	0.003	0.002	0.00611
595214.189	4128318.53	0.001	0.003	0.002	0.00560
595208.614	4128286.91	0.001	0.002	0.002	0.00508
595203.039	4128255.29	0.001	0.002	0.002	0.00457
595214.359	4128351.6	0.001	0.003	0.002	0.00621
595203.378	4128321.43	0.001	0.003	0.002	0.00576
595192.397	4128291.26	0.001	0.002	0.002	0.00527
595181.415	4128261.09	0.001	0.002	0.002	0.00477
595209.287	4128353.96	0.001	0.003	0.002	0.00632

595193.233	4128326.16	0.001	0.003	0.002	0.00596
595177.18	4128298.35	0.001	0.003	0.002	0.00552
595161.127	4128270.55	0.001	0.002	0.002	0.00504
595204.702	4128357.17	0.001	0.003	0.002	0.00644
595184.064	4128332.58	0.001	0.003	0.002	0.00619
595163.427	4128307.98	0.001	0.003	0.002	0.00583
595142.789	4128283.39	0.001	0.002	0.002	0.00541
595200.745	4128361.13	0.001	0.003	0.002	0.00658
595176.15	4128340.49	0.001	0.003	0.002	0.00645
595151.555	4128319.86	0.001	0.003	0.002	0.00621
595126.959	4128299.22	0.001	0.003	0.002	0.00587
595197.535	4128365.72	0.001	0.003	0.002	0.00671
595169.73	4128349.66	0.001	0.003	0.002	0.00675
595141.924	4128333.61	0.001	0.003	0.002	0.00666
595114.119	4128317.56	0.001	0.003	0.002	0.00645
595195.17	4128370.79	0.001	0.003	0.002	0.00686
595164.999	4128359.81	0.001	0.003	0.002	0.00706
595134.829	4128348.83	0.001	0.003	0.002	0.00716
595104.658	4128337.85	0.001	0.003	0.002	0.00714
595193.721	4128376.19	0.001	0.003	0.002	0.00699
595162.102	4128370.62	0.001	0.003	0.003	0.00737
595130.483	4128365.04	0.002	0.004	0.003	0.00770
595098.864	4128359.47	0.002	0.004	0.003	0.00794
595193.233	4128381.77	0.001	0.003	0.002	0.00711
595161.127	4128381.77	0.001	0.004	0.003	0.00767
595129.02	4128381.77	0.002	0.004	0.003	0.00824
595096.913	4128381.77	0.002	0.004	0.003	0.00879
595193.721	4128387.35	0.001	0.003	0.003	0.00722
595162.102	4128392.92	0.002	0.004	0.003	0.00794
595130.483	4128398.5	0.002	0.004	0.003	0.00874
595098.864	4128404.07	0.002	0.004	0.003	0.00961
595195.17	4128392.75	0.001	0.003	0.003	0.00730
595164.999	4128403.73	0.002	0.004	0.003	0.00815
595134.829	4128414.71	0.002	0.004	0.003	0.00914
595104.658	4128425.69	0.002	0.005	0.004	0.01031
595197.535	4128397.82	0.001	0.003	0.003	0.00736
595169.73	4128413.88	0.002	0.004	0.003	0.00829
595141.924	4128429.93	0.002	0.004	0.003	0.00941
595114.119	4128445.98	0.002	0.005	0.004	0.01075
595200.745	4128402.41	0.001	0.003	0.003	0.00738

595176.15	4128423.05	0.002	0.004	0.003	0.00834
595151.555	4128443.68	0.002	0.004	0.003	0.00949
595126.959	4128464.32	0.002	0.005	0.004	0.01087
595204.702	4128406.37	0.001	0.003	0.003	0.00737
595184.064	4128430.96	0.002	0.004	0.003	0.00830
595163.427	4128455.56	0.002	0.004	0.003	0.00938
595142.789	4128480.15	0.002	0.005	0.004	0.01065
595209.287	4128409.58	0.001	0.003	0.003	0.00733
595193.233	4128437.38	0.002	0.004	0.003	0.00818
595177.18	4128465.19	0.002	0.004	0.003	0.00911
595161.127	4128492.99	0.002	0.005	0.004	0.01012
595214.359	4128411.94	0.001	0.003	0.003	0.00726
595203.378	4128442.11	0.002	0.004	0.003	0.00799
595192.397	4128472.28	0.002	0.004	0.003	0.00871
595181.415	4128502.45	0.002	0.004	0.003	0.00940
595219.765	4128413.39	0.001	0.003	0.002	0.00717
595214.189	4128445.01	0.002	0.004	0.003	0.00774
595208.614	4128476.63	0.002	0.004	0.003	0.00823
595203.039	4128508.25	0.002	0.004	0.003	0.00860
594645.59	4128502.87	0.001	0.002	0.002	0.00490
594644.51	4128523.39	0.001	0.003	0.002	0.00693
594640.67	4128547.67	0.002	0.005	0.004	0.01025
594778.05	4128503.58	0.008	0.018	0.013	0.03880
594789.55	4128515.08	0.009	0.021	0.016	0.04561
594800.41	4128527.22	0.010	0.024	0.018	0.05213
594813.83	4128543.19	0.012	0.027	0.021	0.05974
594859.83	4128584.08	0.013	0.031	0.023	0.06695
594870.05	4128594.31	0.013	0.031	0.023	0.06752
594880.91	4128605.81	0.013	0.031	0.023	0.06766
594891.78	4128616.67	0.013	0.031	0.023	0.06662
594611.28	4128774.49	0.005	0.012	0.009	0.02652
594594.03	4128775.13	0.004	0.010	0.008	0.02223
594611.92	4128737.43	0.005	0.012	0.009	0.02618
594614.48	4128716.98	0.005	0.012	0.009	0.02584
594595.95	4128717.62	0.004	0.010	0.007	0.02097
594590.84	4128739.35	0.004	0.010	0.007	0.02091
594572.95	4128737.43	0.003	0.008	0.006	0.01744
594558.25	4128731.68	0.003	0.007	0.005	0.01499
594650.26	4128653.09	0.007	0.016	0.012	0.03407
594556.33	4128743.18	0.003	0.007	0.005	0.01514

594156.81	4128109.88	0.000	0.000	0.000	0.00097
594173.28	4128104.16	0.000	0.001	0.000	0.00114
594204.67	4128130.51	0.000	0.000	0.000	0.00078
594294.16	4128082.57	0.001	0.001	0.001	0.00244
594402.07	4128182.58	0.000	0.000	0.000	0.00059
594560.99	4128457.35	0.000	0.001	0.001	0.00171
594484.6	4128319.73	0.000	0.000	0.000	0.00068
594496.18	4128330.79	0.000	0.000	0.000	0.00072
594785.03	4128768.48	0.021	0.049	0.037	0.10655
594809.73	4128769.39	0.015	0.036	0.027	0.07862
594853.71	4128775.36	0.009	0.021	0.016	0.04492
594860.97	4128775.36	0.008	0.019	0.014	0.04105
594896.14	4128777.48	0.005	0.011	0.008	0.02371
595133.8	4128685.43	0.002	0.004	0.003	0.00817
594914.19	4128786.67	0.003	0.008	0.006	0.01729
594874.82	4128777.83	0.006	0.015	0.011	0.03199
594152.05	4128129.79	0.000	0.000	0.000	0.00072
594202.81	4128148.84	0.000	0.000	0.000	0.00065
594241.18	4128131.38	0.000	0.000	0.000	0.00080
594332.26	4128103.12	0.000	0.001	0.000	0.00136
594456.05	4128365.74	0.000	0.000	0.000	0.00079
594570.17	4128468.28	0.000	0.001	0.001	0.00193
594462.2	4128339.56	0.000	0.000	0.000	0.00071
594506.43	4128340.91	0.000	0.000	0.000	0.00076
594790.08	4128779.43	0.015	0.036	0.027	0.07775
594830.62	4128770.02	0.012	0.029	0.022	0.06348
594782.57	4128786.09	0.013	0.031	0.024	0.06799
594852.94	4128785.86	0.007	0.016	0.012	0.03543
594873.88	4128804.73	0.004	0.008	0.006	0.01797
595133.34	4128701.89	0.001	0.003	0.003	0.00734
595019.02	4128685.83	0.004	0.010	0.007	0.02127
595057.48	4128670.69	0.003	0.007	0.006	0.01609
595058.31	4128653.72	0.003	0.008	0.006	0.01713
595056.86	4128637.66	0.004	0.008	0.006	0.01813
594151.73	4128146.21	0.000	0.000	0.000	0.00061
594240.91	4128149.07	0.000	0.000	0.000	0.00068
594174.19	4128094.46	0.000	0.001	0.000	0.00144
594310.35	4128118.59	0.000	0.000	0.000	0.00100
594494.91	4128412.28	0.000	0.000	0.000	0.00106
594580.96	4128478.67	0.000	0.001	0.001	0.00222

594471.65	4128352.38	0.000	0.000	0.000	0.00076
594515.61	4128353.46	0.000	0.000	0.000	0.00081
594929.89	4128040.25	0.000	0.001	0.000	0.00138
594897.89	4128019.95	0.000	0.001	0.000	0.00119
594729.44	4128313.92	0.001	0.002	0.001	0.00336
594730.04	4128324.02	0.001	0.002	0.001	0.00354
594965.04	4128727.99	0.006	0.014	0.010	0.02988
595039.74	4128656.87	0.004	0.009	0.007	0.01980
595011.68	4128715.14	0.004	0.009	0.006	0.01870
595023.07	4128705.51	0.004	0.008	0.006	0.01795
595035.37	4128696.33	0.003	0.008	0.006	0.01697
595048.6	4128684.86	0.003	0.007	0.006	0.01613
594156.81	4128166.44	0.000	0.000	0.000	0.00054
594324.73	4128150.25	0.000	0.000	0.000	0.00070
594192.29	4128092.14	0.000	0.001	0.001	0.00160
594328.45	4128132.15	0.000	0.000	0.000	0.00084
594484.65	4128398.92	0.000	0.000	0.000	0.00097
594590.68	4128491.48	0.001	0.001	0.001	0.00266
594481.09	4128364.92	0.000	0.000	0.000	0.00081
594526.67	4128365.19	0.000	0.000	0.000	0.00088
594851.13	4127984.38	0.000	0.000	0.000	0.00097
594848.47	4128001.92	0.000	0.000	0.000	0.00103
594712.46	4128323.73	0.001	0.002	0.001	0.00410
594780.3	4128311.57	0.001	0.002	0.001	0.00363
595091.67	4128681.59	0.002	0.005	0.004	0.01144
594985.15	4128715.08	0.005	0.012	0.009	0.02560
595001.12	4128701.32	0.005	0.011	0.008	0.02346
594975.35	4128737.57	0.004	0.010	0.008	0.02290
594894.98	4128801.8	0.003	0.007	0.005	0.01504
594918.29	4128804.09	0.002	0.006	0.004	0.01208
594935.19	4128811.44	0.002	0.005	0.004	0.01032
594292.66	4128148.25	0.000	0.000	0.000	0.00070
594206.26	4128109.2	0.000	0.000	0.000	0.00109
594372.26	4128145.71	0.000	0.000	0.000	0.00073
594476.02	4128388.8	0.000	0.000	0.000	0.00091
594599.04	4128501.06	0.001	0.001	0.001	0.00312
594492.7	4128375.31	0.000	0.000	0.000	0.00087
594534.77	4128374.77	0.000	0.000	0.000	0.00094
594931.92	4128018.42	0.000	0.001	0.000	0.00127
594897.21	4128000.82	0.000	0.001	0.000	0.00111

594753.99	4128314.5	0.001	0.002	0.001	0.00332
594780.53	4128299.81	0.001	0.002	0.001	0.00334
595091.67	4128697.59	0.002	0.005	0.004	0.01029
595033.78	4128674.19	0.004	0.009	0.007	0.01954
595092.89	4128798.07	0.001	0.002	0.001	0.00423
595109.32	4128798.07	0.001	0.002	0.001	0.00389
595123.92	4128797.61	0.001	0.002	0.001	0.00363
594594.57	4128547.24	0.001	0.003	0.002	0.00557
594610.2	4128548.32	0.001	0.003	0.002	0.00668
594624.75	4128548.86	0.002	0.004	0.003	0.00811
594621.75	4128590.45	0.003	0.006	0.005	0.01345
594105.97	4128171.34	0.000	0.000	0.000	0.00048
594239.91	4128105.3	0.000	0.001	0.000	0.00122
594369.41	4128168.8	0.000	0.000	0.000	0.00062
594584.77	4128432.65	0.000	0.001	0.001	0.00154
594576.92	4128422.67	0.000	0.001	0.000	0.00139
594616.02	4128467.73	0.000	0.001	0.001	0.00241
594556.63	4128400.54	0.000	0.001	0.000	0.00114
594898.07	4127985.5	0.000	0.000	0.000	0.00105
594929.03	4127999.04	0.000	0.001	0.000	0.00117
594766.84	4128316.04	0.001	0.002	0.001	0.00350
594779.15	4128327.06	0.001	0.002	0.001	0.00402
595090.75	4128714.05	0.002	0.004	0.003	0.00912
595008.09	4128772.32	0.002	0.004	0.003	0.00963
595051.13	4128776.45	0.001	0.003	0.002	0.00661
595018.02	4128785.17	0.002	0.003	0.003	0.00759
595050.97	4128790.22	0.001	0.003	0.002	0.00576
594549.75	4128547.91	0.001	0.002	0.001	0.00389
594565.38	4128547.1	0.001	0.002	0.001	0.00433
594642.31	4128571.41	0.003	0.007	0.005	0.01516
594649.57	4128583.56	0.004	0.009	0.007	0.02026
594156.81	4128181.41	0.000	0.000	0.000	0.00051
594242.13	4128084.89	0.001	0.001	0.001	0.00214
594466.33	4128377.73	0.000	0.000	0.000	0.00085
594595.83	4128445.2	0.000	0.001	0.001	0.00178
594606.6	4128457.61	0.000	0.001	0.001	0.00208
594567.98	4128410.66	0.000	0.001	0.000	0.00125
594623.82	4128478.93	0.001	0.001	0.001	0.00286
594850.69	4127967.48	0.000	0.000	0.000	0.00090
594713.46	4128311.86	0.001	0.002	0.001	0.00388

594766.84	4128324.25	0.001	0.002	0.001	0.00370
594779.15	4128339.62	0.001	0.002	0.002	0.00439
594863.24	4128961.31	0.001	0.002	0.001	0.00379
595029.65	4128774.56	0.002	0.004	0.003	0.00787
595091.97	4128774.56	0.001	0.002	0.002	0.00520
595109.78	4128774.56	0.001	0.002	0.002	0.00469
595050.97	4128765.38	0.001	0.003	0.003	0.00747
594535.7	4128548.04	0.001	0.002	0.001	0.00354
594580.5	4128547.5	0.001	0.002	0.002	0.00491
594639.61	4128583.69	0.003	0.008	0.006	0.01675
594649.3	4128595.3	0.004	0.010	0.008	0.02270
594112.36	4128157.82	0.000	0.000	0.000	0.00051
594316.11	4128129.88	0.000	0.000	0.000	0.00086
594604.22	4128516.57	0.001	0.002	0.001	0.00399
594544.02	4128470.15	0.000	0.001	0.001	0.00179
594516.47	4128436.69	0.000	0.001	0.000	0.00129
594531.56	4128422.12	0.000	0.001	0.000	0.00122
594502.39	4128386.5	0.000	0.000	0.000	0.00094
594711.93	4128340.94	0.001	0.002	0.001	0.00441
594724.7	4128340.71	0.001	0.002	0.001	0.00400
594738.16	4128340.94	0.001	0.002	0.001	0.00393
594764.92	4128298.95	0.001	0.001	0.001	0.00311
594855.84	4128802.72	0.004	0.011	0.008	0.02293
594785.53	4128831.63	0.004	0.010	0.008	0.02221
594796.46	4128831.63	0.004	0.010	0.007	0.02074
595049.6	4128808.45	0.001	0.002	0.002	0.00497
594828.2	4128794.7	0.007	0.017	0.013	0.03628
594891.14	4128831.45	0.002	0.005	0.003	0.00989
594905.45	4128831.19	0.002	0.004	0.003	0.00892
594918	4128830.69	0.002	0.004	0.003	0.00832
594291.98	4128131.38	0.000	0.000	0.000	0.00083
594574.27	4128502.13	0.001	0.001	0.001	0.00274
594554.54	4128483.51	0.000	0.001	0.001	0.00209
594525.37	4128448.16	0.000	0.001	0.000	0.00143
594541.54	4128435.48	0.000	0.001	0.000	0.00137
594512.1	4128397.16	0.000	0.000	0.000	0.00101
594788.47	4128796.69	0.009	0.021	0.016	0.04620
594812.03	4128788.66	0.009	0.022	0.017	0.04860
594808.73	4128806.79	0.006	0.014	0.011	0.03126
594855.23	4128813.67	0.004	0.008	0.006	0.01837



594859.28	4128793.94	0.005	0.012	0.009	0.02701
595427.44	4129452.45	0.000	0.000	0.000	0.00072
595443.76	4129477.89	0.000	0.000	0.000	0.00068
595096.58	4128893.01	0.001	0.001	0.001	0.00298
594931.43	4128831.15	0.002	0.004	0.003	0.00784
594942.72	4128831.15	0.002	0.004	0.003	0.00771
594952	4128830.89	0.002	0.004	0.003	0.00787
594296.11	4128099.86	0.000	0.001	0.000	0.00144
594583.17	4128516.02	0.001	0.002	0.001	0.00339
594565.07	4128491.74	0.000	0.001	0.001	0.00236
594535.36	4128456.66	0.000	0.001	0.001	0.00157
594551.25	4128443.17	0.000	0.001	0.001	0.00149
594634.61	4128491.2	0.001	0.002	0.001	0.00368
594807.75	4128780.8	0.012	0.028	0.022	0.06217
594789.31	4128805.81	0.007	0.016	0.012	0.03590
594831.22	4128783.32	0.009	0.022	0.016	0.04706
594832.05	4128808.57	0.005	0.012	0.009	0.02528
594810.94	4128797.36	0.008	0.018	0.013	0.03890
595414.09	4129463.99	0.000	0.000	0.000	0.00063
595497.65	4129524.43	0.000	0.000	0.000	0.00066
595481.49	4129523.42	0.000	0.000	0.000	0.00061
595080.91	4128875.09	0.001	0.001	0.001	0.00328
595084.17	4128856.08	0.001	0.001	0.001	0.00327
595139.79	4128859.08	0.001	0.001	0.001	0.00246
595164.13	4128891	0.000	0.001	0.001	0.00206
595207.95	4128939.61	0.000	0.001	0.001	0.00165
595220.47	4129289.9	0.000	0.000	0.000	0.00076
595259.38	4129289.47	0.000	0.000	0.000	0.00084
595294.68	4129290.12	0.000	0.000	0.000	0.00097
594902.61	4129107.8	0.000	0.001	0.001	0.00159
594827.43	4129184.31	0.000	0.001	0.001	0.00154
594852.82	4129183.98	0.000	0.001	0.000	0.00142
595333.6	4129288.08	0.000	0.001	0.000	0.00138
595380.35	4129325.01	0.000	0.001	0.001	0.00161
595354.7	4129297.95	0.000	0.001	0.001	0.00162
595368.91	4129310.75	0.000	0.001	0.001	0.00166
595107.61	4128896.67	0.001	0.001	0.001	0.00277
595293.36	4129039.9	0.000	0.001	0.000	0.00126
595128.46	4128901.73	0.001	0.001	0.001	0.00244
595155	4128868.94	0.000	0.001	0.001	0.00224

595175.78	4128905.49	0.000	0.001	0.001	0.00193
595238.67	4129290.18	0.000	0.000	0.000	0.00079
595275	4129290.4	0.000	0.000	0.000	0.00088
595312.87	4129293.82	0.000	0.000	0.000	0.00107
594951.95	4129201.23	0.000	0.000	0.000	0.00101
594951.45	4129184.34	0.000	0.000	0.000	0.00106
594951.87	4129167.45	0.000	0.001	0.000	0.00112
595428.66	4129378.62	0.000	0.001	0.001	0.00153
595310.9	4129057.13	0.000	0.001	0.000	0.00120
595331.92	4129156.05	0.000	0.001	0.001	0.00167
595321.54	4129074.33	0.000	0.001	0.000	0.00119
595113.6	4128851.38	0.001	0.001	0.001	0.00285
595112.85	4128887.74	0.001	0.001	0.001	0.00267
595120.78	4128911.11	0.001	0.001	0.001	0.00258
595221.89	4128959.1	0.000	0.001	0.001	0.00156
595233.53	4128971.89	0.000	0.001	0.001	0.00150
595119.78	4129332.57	0.000	0.000	0.000	0.00062
595138.93	4129334.68	0.000	0.000	0.000	0.00062
595155.7	4129334.42	0.000	0.000	0.000	0.00062
595183.3	4129288.98	0.000	0.000	0.000	0.00072
595272.73	4129366.65	0.000	0.000	0.000	0.00064
595214.73	4129331.51	0.000	0.000	0.000	0.00066
595287.25	4129332.83	0.000	0.000	0.000	0.00075
595311.95	4129339.18	0.000	0.000	0.000	0.00079
595331.37	4129347.63	0.000	0.000	0.000	0.00083
595074.4	4129323.35	0.000	0.000	0.000	0.00063
595285.77	4129354.5	0.000	0.000	0.000	0.00069
595418.42	4129365.33	0.000	0.001	0.001	0.00158
595279.07	4129085.35	0.000	0.001	0.001	0.00163
595372.78	4129189.43	0.000	0.001	0.000	0.00145
595343.48	4129168.35	0.000	0.001	0.001	0.00165
595230.18	4129029.41	0.000	0.001	0.001	0.00177
595263.39	4129007.48	0.000	0.001	0.000	0.00137
595279.79	4129026.86	0.000	0.001	0.000	0.00131
595147.72	4128938.09	0.000	0.001	0.001	0.00228
595137.3	4128924.75	0.001	0.001	0.001	0.00237
595112.65	4129285.77	0.000	0.000	0.000	0.00070
595074.99	4129304.8	0.000	0.000	0.000	0.00066
595127.17	4129285.77	0.000	0.000	0.000	0.00070
595175.91	4129334.39	0.000	0.000	0.000	0.00063

595255.03	4129366.62	0.000	0.000	0.000	0.00062
595237.46	4129351.56	0.000	0.000	0.000	0.00064
595439.07	4129389.95	0.000	0.001	0.001	0.00153
595452.9	4129402.76	0.000	0.001	0.001	0.00158
595371.16	4129439.36	0.000	0.000	0.000	0.00061
595393.46	4129414.88	0.000	0.000	0.000	0.00076
595476.63	4129434.13	0.000	0.001	0.000	0.00140
595458.53	4129407.98	0.000	0.001	0.001	0.00158
595408.18	4129350.58	0.000	0.001	0.001	0.00170
595257.99	4129067.54	0.000	0.001	0.001	0.00175
595306.54	4129122.59	0.000	0.001	0.001	0.00164
595319.82	4129140.23	0.000	0.001	0.001	0.00166
595240.41	4129023.07	0.000	0.001	0.001	0.00160
595247.31	4128986.52	0.000	0.001	0.000	0.00143
595252.74	4128994.2	0.000	0.001	0.000	0.00141
595192.09	4128920.73	0.000	0.001	0.001	0.00178
595175.66	4128966.77	0.000	0.001	0.001	0.00204
595088.6	4129290.76	0.000	0.000	0.000	0.00069
595148.7	4129287.07	0.000	0.000	0.000	0.00070
595164.42	4129287.86	0.000	0.000	0.000	0.00071
595198.63	4129286.27	0.000	0.000	0.000	0.00074
595196.38	4129334.89	0.000	0.000	0.000	0.00064
595235.34	4129332.77	0.000	0.000	0.000	0.00067
595444.67	4129395.56	0.000	0.001	0.001	0.00154
595365.92	4129389.11	0.000	0.000	0.000	0.00077
595379.02	4129400.34	0.000	0.000	0.000	0.00077
595382.68	4129426.61	0.000	0.000	0.000	0.00068
595488.78	4129448.63	0.000	0.001	0.000	0.00139
595466.19	4129420.63	0.000	0.001	0.000	0.00144
595393.19	4129336.56	0.000	0.001	0.001	0.00167
595247.67	4129052.75	0.000	0.001	0.001	0.00174
595290.63	4129099.2	0.000	0.001	0.001	0.00162
595327.57	4129081.99	0.000	0.001	0.000	0.00118
595203.86	4128999.19	0.000	0.001	0.001	0.00188
595219.16	4129017.83	0.000	0.001	0.001	0.00182
595229.71	4129010.52	0.000	0.001	0.001	0.00165
595160.4	4128953.08	0.000	0.001	0.001	0.00217
595191.01	4128985.43	0.000	0.001	0.001	0.00196
595341.75	4129361.55	0.000	0.000	0.000	0.00080
595319.56	4129372.12	0.000	0.000	0.000	0.00070

594823.12	4129350.69	0.000	0.000	0.000	0.00096
594840.16	4129351.18	0.000	0.000	0.000	0.00092
594856.23	4129352.15	0.000	0.000	0.000	0.00088
594950.83	4129354.09	0.000	0.000	0.000	0.00066
594967.39	4129353.6	0.000	0.000	0.000	0.00064
594983.45	4129353.6	0.000	0.000	0.000	0.00062
595001.49	4129349.66	0.000	0.000	0.000	0.00061
595044.8	4129396.91	0.000	0.000	0.000	0.00053
595075.17	4129370.37	0.000	0.000	0.000	0.00056
595126.08	4129373.64	0.000	0.000	0.000	0.00056
595243.87	4129478.68	0.000	0.000	0.000	0.00045
595274.5	4129500.59	0.000	0.000	0.000	0.00044
595213.07	4129402.68	0.000	0.000	0.000	0.00054
595265.91	4129429.75	0.000	0.000	0.000	0.00052
595301.52	4129380.53	0.000	0.000	0.000	0.00065
594793.06	4129350.42	0.000	0.000	0.000	0.00101
594809.62	4129351.39	0.000	0.000	0.000	0.00098
594871.74	4129351.88	0.000	0.000	0.000	0.00084
594886.84	4129352.36	0.000	0.000	0.000	0.00080
594901.45	4129353.81	0.000	0.000	0.000	0.00076
594919.95	4129353.33	0.000	0.000	0.000	0.00072
594937.47	4129353.33	0.000	0.000	0.000	0.00069
595042.27	4129376.58	0.000	0.000	0.000	0.00056
595074.73	4129391.99	0.000	0.000	0.000	0.00053
595196.07	4129448.03	0.000	0.000	0.000	0.00048
595231.02	4129462.96	0.000	0.000	0.000	0.00047
595258.89	4129485.88	0.000	0.000	0.000	0.00045
595214.71	4129454.65	0.000	0.000	0.000	0.00047
595234.32	4129411.58	0.000	0.000	0.000	0.00054
595295.77	4129404.2	0.000	0.000	0.000	0.00059
594782.4	4129402.99	0.000	0.000	0.000	0.00090
594801.86	4129402.51	0.000	0.000	0.000	0.00088
594867.38	4129404.44	0.000	0.000	0.000	0.00075
594932.94	4129404.03	0.000	0.000	0.000	0.00062
594916.39	4129403.8	0.000	0.000	0.000	0.00065
594980.9	4129488.37	0.000	0.000	0.000	0.00047
595042.13	4129464.29	0.000	0.000	0.000	0.00045
595043.53	4129409.85	0.000	0.000	0.000	0.00051
595075.74	4129409.01	0.000	0.000	0.000	0.00051
595120.42	4129478.92	0.000	0.000	0.000	0.00043

595156.71	4129400.4	0.000	0.000	0.000	0.00053
595177.02	4129399.64	0.000	0.000	0.000	0.00053
595196.66	4129400.39	0.000	0.000	0.000	0.00054
595250.73	4129418.85	0.000	0.000	0.000	0.00053
595313	4129420.08	0.000	0.000	0.000	0.00057
594781.91	4129437.14	0.000	0.000	0.000	0.00083
594830.95	4129407.57	0.000	0.000	0.000	0.00082
594849.93	4129403.69	0.000	0.000	0.000	0.00079
594816.55	4129402.72	0.000	0.000	0.000	0.00085
594883.03	4129407.57	0.000	0.000	0.000	0.00072
594981.08	4129408.19	0.000	0.000	0.000	0.00055
595042.55	4129444.39	0.000	0.000	0.000	0.00047
595042.69	4129361.68	0.000	0.000	0.000	0.00058
595074.05	4129427.93	0.000	0.000	0.000	0.00048
595075.46	4129481.52	0.000	0.000	0.000	0.00043
595077.71	4129443.96	0.000	0.000	0.000	0.00047
595140.24	4129399.04	0.000	0.000	0.000	0.00053
595119.5	4129398.54	0.000	0.000	0.000	0.00052
595281.49	4129442.51	0.000	0.000	0.000	0.00051
595334.74	4129423.24	0.000	0.000	0.000	0.00059
594864.47	4129487.19	0.000	0.000	0.000	0.00064
594830.95	4129434.93	0.000	0.000	0.000	0.00077
594850.89	4129434.93	0.000	0.000	0.000	0.00074
594818	4129433.96	0.000	0.000	0.000	0.00079
594883.03	4129434.93	0.000	0.000	0.000	0.00068
594981.08	4129435.55	0.000	0.000	0.000	0.00052
595042.55	4129430.39	0.000	0.000	0.000	0.00049
595047.75	4129479.34	0.000	0.000	0.000	0.00043
594931.84	4129488.8	0.000	0.000	0.000	0.00053
594799.73	4129485.62	0.000	0.000	0.000	0.00073
595075.6	4129465.84	0.000	0.000	0.000	0.00044
595137.24	4129447.6	0.000	0.000	0.000	0.00047
595255.31	4129522.17	0.000	0.000	0.000	0.00041
595311.84	4129464.54	0.000	0.000	0.000	0.00050
595351.96	4129405.48	0.000	0.000	0.000	0.00067
594846.58	4129485.19	0.000	0.000	0.000	0.00067
594882.33	4129487.03	0.000	0.000	0.000	0.00061
594896.74	4129487.49	0.000	0.000	0.000	0.00059
594933.4	4129439.32	0.000	0.000	0.000	0.00058
594916.85	4129436.8	0.000	0.000	0.000	0.00061

594963.52	4129489.06	0.000	0.000	0.000	0.00049
594998.39	4129487.22	0.000	0.000	0.000	0.00045
594947.7	4129488.63	0.000	0.000	0.000	0.00051
594915.56	4129487.95	0.000	0.000	0.000	0.00056
594781	4129485.68	0.000	0.000	0.000	0.00074
595137.88	4129477.6	0.000	0.000	0.000	0.00043
595120.48	4129450.25	0.000	0.000	0.000	0.00046
595175.68	4129446.72	0.000	0.000	0.000	0.00047
595301.08	4129559.26	0.000	0.000	0.000	0.00038
594831.76	4129486.38	0.000	0.000	0.000	0.00069
595044.38	4129341.64	0.000	0.000	0.000	0.00061
594816.63	4129485.43	0.000	0.000	0.000	0.00071
595158.18	4129478.49	0.000	0.000	0.000	0.00044
595211.37	4129485.99	0.000	0.000	0.000	0.00044
595225.3	4129500.11	0.000	0.000	0.000	0.00043
595152.74	4129448.92	0.000	0.000	0.000	0.00047
595341.13	4129562.02	0.000	0.000	0.000	0.00039
595077.18	4129350.52	0.000	0.000	0.000	0.00059
595174.06	4129476.72	0.000	0.000	0.000	0.00044
595193.28	4129481.58	0.000	0.000	0.000	0.00044
595367.41	4129555.23	0.000	0.000	0.000	0.00040
595420.58	4129543.73	0.000	0.000	0.000	0.00045
595315.46	4129536.06	0.000	0.000	0.000	0.00041
595477.45	4129540.62	0.000	0.000	0.000	0.00053
595396.15	4129564.98	0.000	0.000	0.000	0.00040
595353.82	4129526.46	0.000	0.000	0.000	0.00043
595394.78	4129535.18	0.000	0.000	0.000	0.00044
595330.8	4129498.57	0.000	0.000	0.000	0.00046
595475.42	4129559.86	0.000	0.000	0.000	0.00047
595419.83	4129565.95	0.000	0.000	0.000	0.00041
595392.86	4129507.11	0.000	0.000	0.000	0.00049
595417.79	4129513.03	0.000	0.000	0.000	0.00051
595360.09	4129499.09	0.000	0.000	0.000	0.00048
594801.31	4129435.64	0.000	0.000	0.000	0.00081
594867.73	4129437.09	0.000	0.000	0.000	0.00070
594899.24	4129405.96	0.000	0.000	0.000	0.00068
594899.24	4129433.32	0.000	0.000	0.000	0.00065
594965.89	4129410.32	0.000	0.000	0.000	0.00057
594965.89	4129437.68	0.000	0.000	0.000	0.00053
594949.1	4129408.18	0.000	0.000	0.000	0.00059

594949.1	4129435.54	0.000	0.000	0.000	0.00056
594123.36	4128193.08	0.000	0.000	0.000	0.00046
594125.98	4128217.36	0.000	0.000	0.000	0.00045
594125.98	4128234.55	0.000	0.000	0.000	0.00044
594154.37	4128235.67	0.000	0.000	0.000	0.00046
594155.86	4128216.99	0.000	0.000	0.000	0.00046
594156.23	4128199.06	0.000	0.000	0.000	0.00048
594084.14	4128215.87	0.000	0.000	0.000	0.00042
594077.04	4128225.58	0.000	0.000	0.000	0.00041
594080.03	4128244.63	0.000	0.000	0.000	0.00042
594204.79	4128164.7	0.000	0.000	0.000	0.00059
594204.79	4128184.49	0.000	0.000	0.000	0.00053
594240.28	4128166.19	0.000	0.000	0.000	0.00060
594240.28	4128184.87	0.000	0.000	0.000	0.00055
594238.04	4128199.81	0.000	0.000	0.000	0.00052
594204.79	4128205.04	0.000	0.000	0.000	0.00050
594201.81	4128219.98	0.000	0.000	0.000	0.00049
594203.3	4128236.42	0.000	0.000	0.000	0.00048
594238.04	4128218.49	0.000	0.000	0.000	0.00050
594241.78	4128235.3	0.000	0.000	0.000	0.00050
594292.2	4128166.94	0.000	0.000	0.000	0.00062
594291.05	4128204.51	0.000	0.000	0.000	0.00054
594290.37	4128187.64	0.000	0.000	0.000	0.00056
594292.54	4128238.87	0.000	0.000	0.000	0.00051
594291.87	4128222	0.000	0.000	0.000	0.00052
594325.04	4128258.3	0.000	0.000	0.000	0.00053
594324.36	4128241.43	0.000	0.000	0.000	0.00052
594325.41	4128220.2	0.000	0.000	0.000	0.00053
594324.74	4128203.33	0.000	0.000	0.000	0.00055
594323.17	4128186.2	0.000	0.000	0.000	0.00057
594322.5	4128169.33	0.000	0.000	0.000	0.00062
594369.12	4128259.42	0.000	0.000	0.000	0.00054
594368.44	4128242.55	0.000	0.000	0.000	0.00054
594369.87	4128221.69	0.000	0.000	0.000	0.00054
594369.19	4128204.82	0.000	0.000	0.000	0.00055
594400.12	4128260.17	0.000	0.000	0.000	0.00055
594399.45	4128243.3	0.000	0.000	0.000	0.00054
594401.24	4128223.93	0.000	0.000	0.000	0.00054
594400.57	4128207.06	0.000	0.000	0.000	0.00055
594371.02	4128185.99	0.000	0.000	0.000	0.00058

594446.85	4128235.67	0.000	0.000	0.000	0.00055
594448.34	4128259.58	0.000	0.000	0.000	0.00056
594465.15	4128255.84	0.000	0.000	0.000	0.00056
594239.44	4128279.33	0.000	0.000	0.000	0.00050
594237.57	4128294.65	0.000	0.000	0.000	0.00051
594237.94	4128312.58	0.000	0.000	0.000	0.00053
594237.19	4128327.52	0.000	0.000	0.000	0.00054
594202.73	4128279.8	0.000	0.000	0.000	0.00049
594200.87	4128295.12	0.000	0.000	0.000	0.00049
594201.24	4128313.05	0.000	0.000	0.000	0.00051
594203.99	4128327.12	0.000	0.000	0.000	0.00052
594156.41	4128278.68	0.000	0.000	0.000	0.00046
594154.54	4128294	0.000	0.000	0.000	0.00047
594154.92	4128311.93	0.000	0.000	0.000	0.00048
594154.17	4128326.87	0.000	0.000	0.000	0.00050
594116.44	4128279.8	0.000	0.000	0.000	0.00044
594114.57	4128295.12	0.000	0.000	0.000	0.00045
594114.95	4128313.05	0.000	0.000	0.000	0.00046
594114.2	4128327.99	0.000	0.000	0.000	0.00047
594283.66	4128296.51	0.000	0.000	0.000	0.00053
594283.68	4128309.94	0.000	0.000	0.000	0.00055
594282.98	4128324.63	0.000	0.000	0.000	0.00057
594282.23	4128339.57	0.000	0.000	0.000	0.00059
594326.57	4128303.53	0.000	0.000	0.000	0.00056
594283.41	4128281.6	0.000	0.000	0.000	0.00052
594326.97	4128334.89	0.000	0.000	0.000	0.00061
594313.27	4128335.25	0.000	0.000	0.000	0.00060
594357.93	4128334.55	0.000	0.000	0.000	0.00063
594344.23	4128334.92	0.000	0.000	0.000	0.00062
594325.72	4128356.04	0.000	0.000	0.000	0.00065
594312.02	4128356.41	0.000	0.000	0.000	0.00064
594356.68	4128355.7	0.000	0.000	0.000	0.00067
594342.98	4128356.07	0.000	0.000	0.000	0.00066
594385.1	4128356.31	0.000	0.000	0.000	0.00070
594371.39	4128356.68	0.000	0.000	0.000	0.00068
594416.06	4128355.97	0.000	0.000	0.000	0.00072
594402.36	4128356.34	0.000	0.000	0.000	0.00071
594385.37	4128334.99	0.000	0.000	0.000	0.00065
594371.66	4128335.36	0.000	0.000	0.000	0.00064
594416.33	4128334.65	0.000	0.000	0.000	0.00067



594402.63	4128335.02	0.000	0.000	0.000	0.00066
594430.03	4128355.38	0.000	0.000	0.000	0.00073
594430.3	4128334.06	0.000	0.000	0.000	0.00068
594339.75	4128303.14	0.000	0.000	0.000	0.00057
594352.16	4128303.71	0.000	0.000	0.000	0.00058
594312.76	4128303.7	0.000	0.000	0.000	0.00056
594380.47	4128302.9	0.000	0.000	0.000	0.00059
594393.65	4128302.51	0.000	0.000	0.000	0.00060
594412.26	4128302.54	0.000	0.000	0.000	0.00060
594366.66	4128303.06	0.000	0.000	0.000	0.00058
594427.77	4128304.53	0.000	0.000	0.000	0.00061
594441.74	4128303.94	0.000	0.000	0.000	0.00062
594455.26	4128305.32	0.000	0.000	0.000	0.00063
594473.08	4128305.05	0.000	0.000	0.000	0.00064
594074.7	4128261.48	0.000	0.000	0.000	0.00042
594070.34	4128276.85	0.000	0.000	0.000	0.00042
594070.34	4128295.44	0.000	0.000	0.000	0.00043
594028.36	4128311.96	0.000	0.000	0.000	0.00042
594051.3	4128317.92	0.000	0.000	0.000	0.00043
594068.96	4128323.43	0.000	0.000	0.000	0.00045
594715.3	4128299.81	0.001	0.002	0.001	0.00364
594727.32	4128298.74	0.001	0.001	0.001	0.00318
594740.08	4128298.51	0.001	0.001	0.001	0.00302
594753.54	4128298.74	0.001	0.001	0.001	0.00302
594739.71	4128353.69	0.001	0.002	0.001	0.00424
594752.48	4128353.46	0.001	0.002	0.002	0.00441
594765.93	4128353.69	0.001	0.002	0.002	0.00469
594773.9	4128358.74	0.001	0.002	0.002	0.00503
594786.67	4128358.51	0.001	0.002	0.002	0.00545
594800.12	4128358.74	0.001	0.003	0.002	0.00588
594812.29	4128360.84	0.001	0.003	0.002	0.00637
594825.75	4128361.07	0.001	0.003	0.002	0.00677
594845.57	4128365.89	0.001	0.003	0.003	0.00761
594859.02	4128366.12	0.002	0.004	0.003	0.00795
594803.25	4128299.49	0.001	0.002	0.001	0.00368
594801.87	4128326.74	0.001	0.002	0.002	0.00450
594801.87	4128339.3	0.001	0.002	0.002	0.00500
594803.02	4128311.25	0.001	0.002	0.001	0.00401
594790.8	4128341.22	0.001	0.002	0.002	0.00480
594823.23	4128330.04	0.001	0.002	0.002	0.00509

594823.23	4128342.6	0.001	0.003	0.002	0.00567
594824.38	4128314.55	0.001	0.002	0.002	0.00451
594860.1	4128325.99	0.001	0.003	0.002	0.00568
594859.41	4128341.54	0.001	0.003	0.002	0.00643
594847.25	4128321.72	0.001	0.002	0.002	0.00524
594880.14	4128351.38	0.001	0.003	0.003	0.00744
594880.14	4128363.94	0.002	0.004	0.003	0.00826
594881.28	4128335.89	0.001	0.003	0.002	0.00658
594881.09	4128322.58	0.001	0.003	0.002	0.00592
594882.24	4128307.09	0.001	0.002	0.002	0.00529
594853.17	4128299.79	0.001	0.002	0.002	0.00454
594841.78	4128299.58	0.001	0.002	0.001	0.00433
594864.69	4128299.69	0.001	0.002	0.002	0.00473
594914.48	4128370.74	0.002	0.004	0.003	0.00931
594914.48	4128383.3	0.002	0.005	0.004	0.01029
594914.02	4128355.68	0.002	0.004	0.003	0.00826
594914.94	4128341.45	0.001	0.003	0.003	0.00742
594915.4	4128328.83	0.001	0.003	0.002	0.00675
594910.81	4128299.69	0.001	0.002	0.002	0.00541
594924.35	4128299.46	0.001	0.003	0.002	0.00556
594938.8	4128299.69	0.001	0.003	0.002	0.00572
594950.97	4128303.13	0.001	0.003	0.002	0.00596
594742.21	4128451.06	0.002	0.006	0.004	0.01225
594756.79	4128451.81	0.003	0.006	0.005	0.01396
594772.85	4128452.93	0.003	0.007	0.005	0.01570
594792.28	4128453.67	0.003	0.008	0.006	0.01728
594806.11	4128453.67	0.004	0.008	0.006	0.01800
594821.43	4128454.05	0.004	0.009	0.006	0.01862
594842.36	4128455.92	0.004	0.009	0.007	0.01943
594855.81	4128461.15	0.004	0.009	0.007	0.02066
594871.87	4128467.5	0.004	0.010	0.008	0.02181
594804.99	4128494.4	0.006	0.015	0.011	0.03219
594814.7	4128487.3	0.006	0.013	0.010	0.02887
594826.29	4128476.84	0.005	0.011	0.009	0.02502
594829.65	4128505.61	0.007	0.016	0.012	0.03553
594841.23	4128496.65	0.006	0.014	0.011	0.03116
594854.69	4128486.18	0.005	0.012	0.009	0.02709
594890.82	4128577.25	0.010	0.024	0.018	0.05164
594902.32	4128588.75	0.010	0.024	0.018	0.05167
594913.18	4128600.89	0.010	0.024	0.018	0.05141

594902.06	4128562.56	0.009	0.020	0.015	0.04367
594913.57	4128574.06	0.009	0.020	0.015	0.04394
594924.43	4128586.2	0.009	0.020	0.015	0.04395
594943.24	4128641.96	0.009	0.022	0.017	0.04762
594916.1	4128666.97	0.013	0.031	0.023	0.06781
594927.17	4128654.17	0.011	0.026	0.020	0.05766
594957.7	4128630.49	0.008	0.019	0.014	0.04075
594964.69	4128642.88	0.008	0.018	0.014	0.03919
594977.71	4128652.73	0.007	0.016	0.012	0.03494
594970.41	4128622.55	0.007	0.017	0.013	0.03608
594981.84	4128615.88	0.006	0.015	0.011	0.03258
594988.83	4128606.35	0.006	0.014	0.011	0.03039
594988.51	4128641.61	0.006	0.015	0.011	0.03167
595001.53	4128630.49	0.006	0.013	0.010	0.02834
594813.87	4128831.08	0.004	0.009	0.006	0.01868
594828.18	4128830.83	0.003	0.008	0.006	0.01695
594852.69	4128831.18	0.003	0.006	0.005	0.01383
594610.06	4128785.72	0.005	0.012	0.009	0.02582
594592.81	4128786.36	0.004	0.010	0.008	0.02178
594611.14	4128819.74	0.005	0.011	0.008	0.02315
594589.57	4128819.84	0.004	0.009	0.007	0.01950
594588.48	4128835.99	0.004	0.008	0.006	0.01804
594612.24	4128836.53	0.004	0.010	0.007	0.02109
594574.44	4128791.98	0.004	0.008	0.006	0.01837
594577.14	4128779.29	0.004	0.009	0.007	0.01895
594550.94	4128790.9	0.003	0.007	0.005	0.01515
594557.96	4128779.56	0.003	0.007	0.006	0.01604
594537.98	4128785.23	0.003	0.006	0.005	0.01368
594527.72	4128780.37	0.002	0.006	0.004	0.01261
594571.47	4128835.72	0.003	0.007	0.006	0.01614
594554.99	4128827.89	0.003	0.007	0.005	0.01481
594540.68	4128821.41	0.003	0.006	0.005	0.01362
594521.24	4128816.28	0.002	0.006	0.004	0.01202
594500.45	4128816.01	0.002	0.005	0.004	0.01048
594482.9	4128816.01	0.002	0.004	0.003	0.00938
594512.33	4128784.69	0.002	0.005	0.004	0.01129
594518.81	4128769.84	0.002	0.005	0.004	0.01165
594490.46	4128781.18	0.002	0.004	0.003	0.00963
594463.46	4128816.55	0.002	0.004	0.003	0.00833
594474.8	4128788.2	0.002	0.004	0.003	0.00875

594569.94	4128717.94	0.003	0.007	0.006	0.01608
594576.93	4128700.78	0.003	0.007	0.006	0.01623
594562.95	4128701.42	0.003	0.006	0.005	0.01418
594567.4	4128690.62	0.003	0.006	0.005	0.01415
594569.3	4128677.59	0.003	0.006	0.005	0.01357
594651.12	4128634.24	0.006	0.014	0.011	0.03137
594638.83	4128633.85	0.005	0.012	0.009	0.02532
594618.73	4128637.95	0.004	0.009	0.007	0.01924
594599.61	4128635.02	0.003	0.007	0.005	0.01472
594577.18	4128634.44	0.002	0.005	0.004	0.01135
594557.86	4128635.02	0.002	0.004	0.003	0.00935
594542.45	4128643.61	0.002	0.004	0.003	0.00859
594541.86	4128632.1	0.002	0.004	0.003	0.00788
594531.43	4128643.7	0.002	0.004	0.003	0.00780
594530.84	4128632.19	0.001	0.003	0.002	0.00716
594540.11	4128655.31	0.002	0.004	0.003	0.00907
594518.69	4128738.15	0.002	0.005	0.004	0.01089
594499.87	4128737.46	0.002	0.004	0.003	0.00940
594472.79	4128739.52	0.002	0.004	0.003	0.00777
594513.64	4128720.93	0.002	0.005	0.003	0.00992
594512.27	4128702.11	0.002	0.004	0.003	0.00912
594510.66	4128692.01	0.002	0.004	0.003	0.00861
594477.61	4128716.57	0.001	0.003	0.003	0.00743
594478.52	4128700.28	0.001	0.003	0.002	0.00700
594478.75	4128690.18	0.001	0.003	0.002	0.00670
594477.26	4128678.47	0.001	0.003	0.002	0.00626
594477.49	4128668.37	0.001	0.003	0.002	0.00594
594512.95	4128634.86	0.001	0.003	0.002	0.00630
594493.21	4128634.4	0.001	0.002	0.002	0.00540
594479.9	4128636.24	0.001	0.002	0.002	0.00497
594520.41	4128546.93	0.001	0.001	0.001	0.00319
594506.37	4128547.06	0.001	0.001	0.001	0.00295
594490.43	4128547.26	0.001	0.001	0.001	0.00272
594543.41	4128516.78	0.001	0.001	0.001	0.00272
594528.11	4128515.67	0.000	0.001	0.001	0.00250
594514.07	4128515.8	0.000	0.001	0.001	0.00235
594498.14	4128516.01	0.000	0.001	0.001	0.00219
594521.34	4128494.93	0.000	0.001	0.001	0.00203
594492.14	4128494.79	0.000	0.001	0.001	0.00182
594507.26	4128495.18	0.000	0.001	0.001	0.00193

594596.96	4128603.83	0.002	0.005	0.004	0.01103
594597.02	4128588.09	0.002	0.004	0.003	0.00942
594576.88	4128589.98	0.002	0.004	0.003	0.00769
594553.64	4128588.55	0.001	0.003	0.002	0.00609
594538.01	4128588.04	0.001	0.002	0.002	0.00531
594516.04	4128591.11	0.001	0.002	0.002	0.00460
594513.59	4128574.71	0.001	0.002	0.001	0.00392
594493.57	4128590.27	0.001	0.002	0.001	0.00391
594760.51	4128824.14	0.006	0.014	0.010	0.02954
594520.63	4128867.68	0.002	0.005	0.004	0.01078
594503.08	4128867.68	0.002	0.005	0.003	0.00986
594483.64	4128868.22	0.002	0.004	0.003	0.00893
594520.63	4128893.02	0.002	0.005	0.003	0.00984
594503.08	4128893.02	0.002	0.004	0.003	0.00914
594483.64	4128893.56	0.002	0.004	0.003	0.00839
594463.73	4128893.02	0.002	0.004	0.003	0.00771
594468.42	4128866.12	0.002	0.004	0.003	0.00830
594565.38	4128882.18	0.002	0.006	0.004	0.01249
594561.5	4128916.3	0.002	0.005	0.003	0.01009
594552.23	4128934.41	0.002	0.004	0.003	0.00884
594566.42	4128896.15	0.002	0.005	0.004	0.01156
594528.39	4128942.69	0.002	0.004	0.003	0.00799
594510.84	4128942.69	0.001	0.004	0.003	0.00765
594491.4	4128943.23	0.001	0.003	0.003	0.00723
594471.41	4128940.8	0.001	0.003	0.002	0.00687
594605.25	4128901.88	0.002	0.006	0.004	0.01240
594621.14	4128901.88	0.002	0.006	0.004	0.01275
594635.12	4128902.2	0.003	0.006	0.004	0.01291
594640.52	4128886.63	0.003	0.007	0.005	0.01510
594606.52	4128881.86	0.003	0.007	0.005	0.01459
594625.27	4128881.86	0.003	0.007	0.005	0.01537
594603.03	4128926.98	0.002	0.005	0.004	0.01014
594619.87	4128927.61	0.002	0.005	0.004	0.01022
594638.29	4128927.3	0.002	0.005	0.004	0.01027
594852.47	4128984.02	0.001	0.002	0.001	0.00346
594849.93	4128999.27	0.001	0.001	0.001	0.00320
594870.26	4128985.29	0.001	0.001	0.001	0.00318
594876.3	4129002.45	0.001	0.001	0.001	0.00282
594893.77	4129021.83	0.000	0.001	0.001	0.00238
594894.41	4129003.08	0.001	0.001	0.001	0.00261

595091.6	4128755.33	0.001	0.003	0.002	0.00624
595109.41	4128755.33	0.001	0.003	0.002	0.00557
595093.43	4128736.06	0.001	0.003	0.003	0.00738
595111.25	4128736.06	0.001	0.003	0.002	0.00652
595029.54	4128756.5	0.002	0.004	0.003	0.00983
595046.67	4128741.76	0.002	0.005	0.003	0.01006
594992.37	4128751	0.003	0.007	0.005	0.01526
595004.01	4128740.39	0.003	0.007	0.005	0.01549
595130.48	4128770.73	0.001	0.002	0.001	0.00432
595129.26	4128740.39	0.001	0.003	0.002	0.00559
595153.5	4128684.24	0.001	0.003	0.002	0.00721
595153.04	4128700.7	0.001	0.003	0.002	0.00650
595176.21	4128770.73	0.001	0.002	0.001	0.00343
595177.13	4128794.07	0.001	0.001	0.001	0.00292
595158.31	4128805.34	0.001	0.001	0.001	0.00295
595152.35	4128779.19	0.001	0.002	0.001	0.00362
595180.8	4128815.43	0.001	0.001	0.001	0.00253
595204.2	4128820.02	0.000	0.001	0.001	0.00226
595140.88	4128720.46	0.001	0.003	0.002	0.00609
595166.57	4128720.46	0.001	0.002	0.002	0.00520
595172.54	4128700.27	0.001	0.003	0.002	0.00577
595195.48	4128710.82	0.001	0.002	0.002	0.00471
595189.05	4128689.72	0.001	0.003	0.002	0.00559
595204.65	4128688.34	0.001	0.002	0.002	0.00515
595195.94	4128735.6	0.001	0.002	0.001	0.00398
595175.75	4128744.32	0.001	0.002	0.001	0.00416
595202.36	4128779.64	0.001	0.001	0.001	0.00287
595203.74	4128760.37	0.001	0.001	0.001	0.00324
595216.58	4128741.56	0.001	0.002	0.001	0.00345
595217.96	4128723.67	0.001	0.002	0.001	0.00384
595219.34	4128702.56	0.001	0.002	0.002	0.00436
594850.37	4127951.3	0.000	0.000	0.000	0.00084
594852.13	4127935.04	0.000	0.000	0.000	0.00079
594898.07	4127967.2	0.000	0.000	0.000	0.00097
594931.28	4127981.33	0.000	0.000	0.000	0.00110
594934.82	4127965.79	0.000	0.000	0.000	0.00104
594899.13	4127944.23	0.000	0.000	0.000	0.00089
594898.78	4127930.8	0.000	0.000	0.000	0.00085
594934.46	4127945.65	0.000	0.000	0.000	0.00096
594928.81	4127927.62	0.000	0.000	0.000	0.00089

595340	4129093.59	0.000	0.001	0.000	0.00114
595349.49	4129109.17	0.000	0.001	0.000	0.00114
595373.19	4129128.81	0.000	0.000	0.000	0.00107
595405.7	4129155.9	0.000	0.000	0.000	0.00099
594828.06	4129208.24	0.000	0.001	0.000	0.00142
594853.46	4129207.91	0.000	0.001	0.000	0.00131
594825.42	4129228.03	0.000	0.001	0.000	0.00134
594850.82	4129227.7	0.000	0.001	0.000	0.00125
594827.4	4129248.81	0.000	0.001	0.000	0.00125
594852.8	4129248.48	0.000	0.001	0.000	0.00116
594896.99	4129195.71	0.000	0.001	0.000	0.00118
594922.38	4129195.38	0.000	0.001	0.000	0.00110
594891.71	4129220.12	0.000	0.001	0.000	0.00112
594917.11	4129219.79	0.000	0.000	0.000	0.00103
594891.71	4129241.88	0.000	0.000	0.000	0.00105
594917.11	4129241.55	0.000	0.000	0.000	0.00097
594893.69	4129262.33	0.000	0.000	0.000	0.00098
594919.09	4129262	0.000	0.000	0.000	0.00091
594893.36	4129285.74	0.000	0.000	0.000	0.00092
594918.76	4129285.41	0.000	0.000	0.000	0.00086
594825.75	4129273.54	0.000	0.001	0.000	0.00117
594851.15	4129273.21	0.000	0.000	0.000	0.00109
594828.06	4129297.28	0.000	0.000	0.000	0.00109
594853.46	4129296.95	0.000	0.000	0.000	0.00102
595429.03	4129137.08	0.000	0.000	0.000	0.00086
595398.56	4129118.5	0.000	0.000	0.000	0.00093
595323.48	4128976.53	0.000	0.000	0.000	0.00108
595337.6	4128998.08	0.000	0.000	0.000	0.00103
595353.21	4129028.56	0.000	0.000	0.000	0.00099
594282.32	4128355.01	0.000	0.000	0.000	0.00061
594281.57	4128369.95	0.000	0.000	0.000	0.00064
594237.72	4128344.51	0.000	0.000	0.000	0.00056
594236.97	4128359.46	0.000	0.000	0.000	0.00059
594240.34	4128380.37	0.000	0.000	0.000	0.00062
594239.59	4128395.32	0.000	0.000	0.000	0.00065
594227.72	4128414.08	0.000	0.000	0.000	0.00068
595154.49	4128556.43	0.002	0.005	0.004	0.01073
595544.9	4129513.26	0.000	0.001	0.000	0.00119
595560.09	4129522.66	0.000	0.001	0.000	0.00124
595546.35	4129534.23	0.000	0.000	0.000	0.00083

595565.51	4129536.76	0.000	0.000	0.000	0.00094
595570.93	4129559.54	0.000	0.000	0.000	0.00059
595545.62	4129557.37	0.000	0.000	0.000	0.00058



**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction  
at Sensitive Receptors**

**Chronic Non-Cancer Hazard Index**

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	2020 DPM (ug/m3)	2021 DPM (ug/m3)	2022 DPM (ug/m3)	Max DPM (ug/m3)	CNCHI	Maximum 0.003 BAAQMD threshold of significance 1 Exceed thresholds? No
593913.11	4129158.33	0.00015	0.000207	0.00018	0.000207	0.00004	
593960.92	4129158.33	0.000164	0.000226	0.000196	0.000226	0.00005	
594008.73	4129158.33	0.000179	0.000247	0.000215	0.000247	0.00005	
594056.54	4129158.33	0.000196	0.00027	0.000235	0.00027	0.00005	
594104.35	4129158.33	0.000213	0.000294	0.000256	0.000294	0.00006	
594152.16	4129158.33	0.000232	0.00032	0.000278	0.00032	0.00006	
594199.97	4129158.33	0.00025	0.000346	0.000301	0.000346	0.00007	
594247.78	4129158.33	0.000269	0.000371	0.000323	0.000371	0.00007	
594295.59	4129158.33	0.000285	0.000394	0.000342	0.000394	0.00008	
594343.4	4129158.33	0.000299	0.000413	0.000359	0.000413	0.00008	
594391.21	4129158.33	0.000308	0.000425	0.00037	0.000425	0.00009	
594439.02	4129158.33	0.000312	0.000431	0.000374	0.000431	0.00009	
594486.83	4129158.33	0.00031	0.000428	0.000372	0.000428	0.00009	
594534.64	4129158.33	0.000303	0.000418	0.000363	0.000418	0.00008	
594582.45	4129158.33	0.00029	0.0004	0.000347	0.0004	0.00008	
594630.26	4129158.33	0.000273	0.000376	0.000327	0.000376	0.00008	
593913.11	4129192.59	0.000147	0.000203	0.000177	0.000203	0.00004	
593960.92	4129192.59	0.00016	0.000221	0.000192	0.000221	0.00004	
594008.73	4129192.59	0.000174	0.00024	0.000208	0.00024	0.00005	
594056.54	4129192.59	0.000188	0.00026	0.000226	0.00026	0.00005	
594104.35	4129192.59	0.000203	0.000281	0.000244	0.000281	0.00006	
594152.16	4129192.59	0.000219	0.000302	0.000263	0.000302	0.00006	
594199.97	4129192.59	0.000234	0.000323	0.000281	0.000323	0.00006	
594247.78	4129192.59	0.000248	0.000342	0.000297	0.000342	0.00007	
594295.59	4129192.59	0.000259	0.000358	0.000311	0.000358	0.00007	
594343.4	4129192.59	0.000268	0.00037	0.000321	0.00037	0.00007	
594391.21	4129192.59	0.000272	0.000376	0.000327	0.000376	0.00008	
594439.02	4129192.59	0.000273	0.000376	0.000327	0.000376	0.00008	

594486.83	4129192.59	0.000269	0.000371	0.000322	0.000371	0.00007
594534.64	4129192.59	0.000261	0.00036	0.000313	0.00036	0.00007
594582.45	4129192.59	0.000249	0.000344	0.000299	0.000344	0.00007
594630.26	4129192.59	0.000235	0.000324	0.000281	0.000324	0.00006
593913.11	4129226.85	0.000144	0.000199	0.000173	0.000199	0.00004
593960.92	4129226.85	0.000155	0.000215	0.000186	0.000215	0.00004
594008.73	4129226.85	0.000168	0.000231	0.000201	0.000231	0.00005
594056.54	4129226.85	0.00018	0.000249	0.000216	0.000249	0.00005
594104.35	4129226.85	0.000193	0.000266	0.000231	0.000266	0.00005
594152.16	4129226.85	0.000205	0.000284	0.000247	0.000284	0.00006
594199.97	4129226.85	0.000217	0.0003	0.000261	0.0003	0.00006
594247.78	4129226.85	0.000227	0.000314	0.000273	0.000314	0.00006
594295.59	4129226.85	0.000235	0.000324	0.000282	0.000324	0.00006
594343.4	4129226.85	0.00024	0.000331	0.000287	0.000331	0.00007
594391.21	4129226.85	0.000241	0.000333	0.000289	0.000333	0.00007
594439.02	4129226.85	0.00024	0.00033	0.000287	0.00033	0.00007
594486.83	4129226.85	0.000235	0.000324	0.000281	0.000324	0.00006
594534.64	4129226.85	0.000227	0.000313	0.000272	0.000313	0.00006
594582.45	4129226.85	0.000217	0.000299	0.000259	0.000299	0.00006
594630.26	4129226.85	0.000205	0.000282	0.000244	0.000282	0.00006
593913.11	4129261.11	0.00014	0.000193	0.000168	0.000193	0.00004
593960.92	4129261.11	0.00015	0.000207	0.00018	0.000207	0.00004
594008.73	4129261.11	0.000161	0.000222	0.000193	0.000222	0.00004
594056.54	4129261.11	0.000172	0.000237	0.000206	0.000237	0.00005
594104.35	4129261.11	0.000182	0.000252	0.000219	0.000252	0.00005
594152.16	4129261.11	0.000192	0.000265	0.000231	0.000265	0.00005
594199.97	4129261.11	0.000201	0.000277	0.000241	0.000277	0.00006
594247.78	4129261.11	0.000208	0.000287	0.000249	0.000287	0.00006
594295.59	4129261.11	0.000212	0.000293	0.000255	0.000293	0.00006
594343.4	4129261.11	0.000215	0.000296	0.000257	0.000296	0.00006
594391.21	4129261.11	0.000214	0.000296	0.000257	0.000296	0.00006
594439.02	4129261.11	0.000212	0.000292	0.000253	0.000292	0.00006
594486.83	4129261.11	0.000207	0.000285	0.000248	0.000285	0.00006
594534.64	4129261.11	0.0002	0.000275	0.000239	0.000275	0.00006
594582.45	4129261.11	0.00019	0.000262	0.000227	0.000262	0.00005
594630.26	4129261.11	0.00018	0.000247	0.000215	0.000247	0.00005
593913.11	4129295.37	0.000136	0.000187	0.000163	0.000187	0.00004
593960.92	4129295.37	0.000145	0.0002	0.000173	0.0002	0.00004
594008.73	4129295.37	0.000154	0.000212	0.000184	0.000212	0.00004

594056.54	4129295.37	0.000163	0.000225	0.000195	0.000225	0.00004
594104.35	4129295.37	0.000171	0.000237	0.000206	0.000237	0.00005
594152.16	4129295.37	0.000179	0.000247	0.000215	0.000247	0.00005
594199.97	4129295.37	0.000185	0.000256	0.000222	0.000256	0.00005
594247.78	4129295.37	0.00019	0.000262	0.000228	0.000262	0.00005
594295.59	4129295.37	0.000192	0.000265	0.00023	0.000265	0.00005
594343.4	4129295.37	0.000193	0.000266	0.000231	0.000266	0.00005
594391.21	4129295.37	0.000191	0.000264	0.000229	0.000264	0.00005
594439.02	4129295.37	0.000188	0.000259	0.000225	0.000259	0.00005
594486.83	4129295.37	0.000183	0.000253	0.000219	0.000253	0.00005
594534.64	4129295.37	0.000177	0.000243	0.000211	0.000243	0.00005
594582.45	4129295.37	0.000168	0.000232	0.000201	0.000232	0.00005
594630.26	4129295.37	0.00016	0.000219	0.00019	0.000219	0.00004
593913.11	4129329.63	0.000131	0.000181	0.000157	0.000181	0.00004
593960.92	4129329.63	0.000139	0.000192	0.000166	0.000192	0.00004
594008.73	4129329.63	0.000147	0.000202	0.000176	0.000202	0.00004
594056.54	4129329.63	0.000154	0.000213	0.000185	0.000213	0.00004
594104.35	4129329.63	0.000161	0.000222	0.000193	0.000222	0.00004
594152.16	4129329.63	0.000166	0.00023	0.000199	0.00023	0.00005
594199.97	4129329.63	0.000171	0.000235	0.000205	0.000235	0.00005
594247.78	4129329.63	0.000173	0.000239	0.000208	0.000239	0.00005
594295.59	4129329.63	0.000174	0.00024	0.000209	0.00024	0.00005
594343.4	4129329.63	0.000173	0.000239	0.000208	0.000239	0.00005
594391.21	4129329.63	0.000171	0.000236	0.000205	0.000236	0.00005
594439.02	4129329.63	0.000168	0.000232	0.000201	0.000232	0.00005
594486.83	4129329.63	0.000164	0.000225	0.000196	0.000225	0.00005
594534.64	4129329.63	0.000158	0.000217	0.000188	0.000217	0.00004
594582.45	4129329.63	0.00015	0.000206	0.000179	0.000206	0.00004
594630.26	4129329.63	0.000143	0.000196	0.00017	0.000196	0.00004
593913.11	4129363.89	0.000126	0.000174	0.000151	0.000174	0.00003
593960.92	4129363.89	0.000133	0.000183	0.000159	0.000183	0.00004
594008.73	4129363.89	0.000139	0.000192	0.000167	0.000192	0.00004
594056.54	4129363.89	0.000145	0.0002	0.000174	0.0002	0.00004
594104.35	4129363.89	0.00015	0.000207	0.00018	0.000207	0.00004
594152.16	4129363.89	0.000154	0.000213	0.000185	0.000213	0.00004
594199.97	4129363.89	0.000157	0.000216	0.000188	0.000216	0.00004
594247.78	4129363.89	0.000158	0.000218	0.000189	0.000218	0.00004
594295.59	4129363.89	0.000158	0.000218	0.000189	0.000218	0.00004
594343.4	4129363.89	0.000157	0.000216	0.000187	0.000216	0.00004

594391.21	4129363.89	0.000154	0.000213	0.000185	0.000213	0.00004
594439.02	4129363.89	0.000151	0.000208	0.000181	0.000208	0.00004
594486.83	4129363.89	0.000147	0.000202	0.000176	0.000202	0.00004
594534.64	4129363.89	0.000142	0.000195	0.000169	0.000195	0.00004
594582.45	4129363.89	0.000135	0.000185	0.000161	0.000185	0.00004
594630.26	4129363.89	0.000128	0.000176	0.000153	0.000176	0.00004
593913.11	4129398.15	0.000121	0.000167	0.000145	0.000167	0.00003
593960.92	4129398.15	0.000127	0.000175	0.000152	0.000175	0.00003
594008.73	4129398.15	0.000132	0.000182	0.000158	0.000182	0.00004
594056.54	4129398.15	0.000136	0.000188	0.000164	0.000188	0.00004
594104.35	4129398.15	0.00014	0.000193	0.000168	0.000193	0.00004
594152.16	4129398.15	0.000143	0.000197	0.000171	0.000197	0.00004
594199.97	4129398.15	0.000144	0.000199	0.000173	0.000199	0.00004
594247.78	4129398.15	0.000144	0.000199	0.000173	0.000199	0.00004
594295.59	4129398.15	0.000144	0.000198	0.000172	0.000198	0.00004
594343.4	4129398.15	0.000142	0.000195	0.00017	0.000195	0.00004
594391.21	4129398.15	0.00014	0.000192	0.000167	0.000192	0.00004
594439.02	4129398.15	0.000137	0.000188	0.000163	0.000188	0.00004
594486.83	4129398.15	0.000133	0.000183	0.000159	0.000183	0.00004
594534.64	4129398.15	0.000128	0.000176	0.000153	0.000176	0.00004
594582.45	4129398.15	0.000122	0.000167	0.000145	0.000167	0.00003
594630.26	4129398.15	0.000116	0.000159	0.000138	0.000159	0.00003
593913.11	4129432.41	0.000116	0.00016	0.000139	0.00016	0.00003
593960.92	4129432.41	0.00012	0.000166	0.000144	0.000166	0.00003
594008.73	4129432.41	0.000125	0.000172	0.000149	0.000172	0.00003
594056.54	4129432.41	0.000128	0.000177	0.000153	0.000177	0.00004
594104.35	4129432.41	0.000131	0.00018	0.000156	0.00018	0.00004
594152.16	4129432.41	0.000132	0.000182	0.000158	0.000182	0.00004
594199.97	4129432.41	0.000133	0.000183	0.000159	0.000183	0.00004
594247.78	4129432.41	0.000132	0.000182	0.000158	0.000182	0.00004
594295.59	4129432.41	0.000131	0.00018	0.000157	0.00018	0.00004
594343.4	4129432.41	0.000129	0.000178	0.000154	0.000178	0.00004
594391.21	4129432.41	0.000127	0.000175	0.000152	0.000175	0.00003
594439.02	4129432.41	0.000124	0.000171	0.000148	0.000171	0.00003
594486.83	4129432.41	0.000121	0.000166	0.000144	0.000166	0.00003
594534.64	4129432.41	0.000116	0.000159	0.000138	0.000159	0.00003
594582.45	4129432.41	0.000111	0.000152	0.000132	0.000152	0.00003
594630.26	4129432.41	0.000105	0.000144	0.000125	0.000144	0.00003
593913.11	4129466.67	0.00011	0.000152	0.000132	0.000152	0.00003

593960.92	4129466.67	0.000114	0.000157	0.000137	0.000157	0.00003
594008.73	4129466.67	0.000117	0.000162	0.000141	0.000162	0.00003
594056.54	4129466.67	0.00012	0.000165	0.000144	0.000165	0.00003
594104.35	4129466.67	0.000122	0.000168	0.000146	0.000168	0.00003
594152.16	4129466.67	0.000122	0.000168	0.000146	0.000168	0.00003
594199.97	4129466.67	0.000122	0.000168	0.000146	0.000168	0.00003
594247.78	4129466.67	0.000121	0.000167	0.000145	0.000167	0.00003
594295.59	4129466.67	0.00012	0.000165	0.000143	0.000165	0.00003
594343.4	4129466.67	0.000118	0.000162	0.000141	0.000162	0.00003
594391.21	4129466.67	0.000116	0.00016	0.000139	0.00016	0.00003
594439.02	4129466.67	0.000114	0.000156	0.000136	0.000156	0.00003
594486.83	4129466.67	0.00011	0.000151	0.000131	0.000151	0.00003
594534.64	4129466.67	0.000106	0.000145	0.000126	0.000145	0.00003
594582.45	4129466.67	0.000101	0.000138	0.00012	0.000138	0.00003
594630.26	4129466.67	9.64E-05	0.000132	0.000114	0.000132	0.00003
594331.14	4128962.5	0.000479	0.000662	0.000576	0.000662	0.00013
594357.05	4128962.5	0.00052	0.00072	0.000625	0.00072	0.00014
594382.96	4128962.5	0.000565	0.000781	0.000679	0.000781	0.00016
594408.87	4128962.5	0.000611	0.000846	0.000735	0.000846	0.00017
594434.78	4128962.5	0.00066	0.000914	0.000794	0.000914	0.00018
594460.69	4128962.5	0.00071	0.000982	0.000854	0.000982	0.00020
594486.6	4128962.5	0.000758	0.00105	0.000912	0.00105	0.00021
594331.14	4129004.55	0.000445	0.000616	0.000535	0.000616	0.00012
594357.05	4129004.55	0.000476	0.000659	0.000573	0.000659	0.00013
594382.96	4129004.55	0.000508	0.000703	0.000611	0.000703	0.00014
594408.87	4129004.55	0.000541	0.000748	0.00065	0.000748	0.00015
594434.78	4129004.55	0.000572	0.000792	0.000688	0.000792	0.00016
594460.69	4129004.55	0.000601	0.000832	0.000723	0.000832	0.00017
594486.6	4129004.55	0.000628	0.000869	0.000755	0.000869	0.00017
594331.14	4129046.6	0.000405	0.00056	0.000487	0.00056	0.00011
594357.05	4129046.6	0.000427	0.000591	0.000513	0.000591	0.00012
594382.96	4129046.6	0.000449	0.000621	0.000539	0.000621	0.00012
594408.87	4129046.6	0.000469	0.000649	0.000564	0.000649	0.00013
594434.78	4129046.6	0.000487	0.000674	0.000586	0.000674	0.00013
594460.69	4129046.6	0.000503	0.000696	0.000605	0.000696	0.00014
594486.6	4129046.6	0.000515	0.000713	0.00062	0.000713	0.00014
594331.14	4129088.65	0.000363	0.000501	0.000436	0.000501	0.00010
594357.05	4129088.65	0.000377	0.000522	0.000453	0.000522	0.00010
594382.96	4129088.65	0.000391	0.00054	0.00047	0.00054	0.00011

594408.87	4129088.65	0.000403	0.000557	0.000484	0.000557	0.00011
594434.78	4129088.65	0.000412	0.00057	0.000495	0.00057	0.00011
594460.69	4129088.65	0.000419	0.00058	0.000504	0.00058	0.00012
594486.6	4129088.65	0.000423	0.000585	0.000509	0.000585	0.00012
594331.14	4129130.7	0.000321	0.000444	0.000386	0.000444	0.00009
594357.05	4129130.7	0.00033	0.000457	0.000397	0.000457	0.00009
594382.96	4129130.7	0.000338	0.000467	0.000406	0.000467	0.00009
594408.87	4129130.7	0.000344	0.000475	0.000413	0.000475	0.00010
594434.78	4129130.7	0.000348	0.000481	0.000418	0.000481	0.00010
594460.69	4129130.7	0.00035	0.000483	0.00042	0.000483	0.00010
594486.6	4129130.7	0.00035	0.000483	0.00042	0.000483	0.00010
595047.1	4127721.65	6.59E-05	8.75E-05	7.58E-05	8.75E-05	0.00002
595080.55	4127721.65	7.02E-05	9.37E-05	8.11E-05	9.37E-05	0.00002
595047.1	4127745.31	7.11E-05	9.46E-05	8.19E-05	9.46E-05	0.00002
595080.55	4127745.31	7.56E-05	0.000101	8.74E-05	0.000101	0.00002
595047.1	4127768.97	7.68E-05	0.000102	8.84E-05	0.000102	0.00002
595080.55	4127768.97	8.15E-05	0.000109	9.43E-05	0.000109	0.00002
595047.1	4127792.63	8.3E-05	0.000111	9.57E-05	0.000111	0.00002
595080.55	4127792.63	8.82E-05	0.000118	0.000102	0.000118	0.00002
595047.1	4127816.29	9E-05	0.00012	0.000104	0.00012	0.00002
595080.55	4127816.29	9.54E-05	0.000128	0.000111	0.000128	0.00003
595047.1	4127839.95	9.76E-05	0.00013	0.000113	0.00013	0.00003
595080.55	4127839.95	0.000103	0.000139	0.00012	0.000139	0.00003
595047.1	4127863.61	0.000106	0.000141	0.000122	0.000141	0.00003
595080.55	4127863.61	0.000112	0.000151	0.000131	0.000151	0.00003
595047.1	4127887.27	0.000115	0.000154	0.000133	0.000154	0.00003
595080.55	4127887.27	0.000122	0.000164	0.000142	0.000164	0.00003
595047.1	4127910.93	0.000126	0.000168	0.000146	0.000168	0.00003
595080.55	4127910.93	0.000133	0.000179	0.000155	0.000179	0.00004
595047.1	4127934.59	0.000137	0.000184	0.000159	0.000184	0.00004
595080.55	4127934.59	0.000144	0.000195	0.000169	0.000195	0.00004
595047.1	4127958.25	0.000149	0.000201	0.000174	0.000201	0.00004
595080.55	4127958.25	0.000157	0.000213	0.000184	0.000213	0.00004
595047.1	4127981.91	0.000163	0.00022	0.000191	0.00022	0.00004
595080.55	4127981.91	0.000172	0.000233	0.000202	0.000233	0.00005
595047.1	4128005.57	0.000179	0.000242	0.00021	0.000242	0.00005
595080.55	4128005.57	0.000188	0.000256	0.000222	0.000256	0.00005
595047.1	4128029.23	0.000197	0.000267	0.000231	0.000267	0.00005
595080.55	4128029.23	0.000207	0.000281	0.000244	0.000281	0.00006

595047.1	4128052.89	0.000217	0.000295	0.000256	0.000295	0.00006
595080.55	4128052.89	0.000228	0.00031	0.000269	0.00031	0.00006
594886.23	4127719.27	4.65E-05	6.03E-05	5.2E-05	6.03E-05	0.00001
594950.74	4127719.27	5.37E-05	7.04E-05	6.08E-05	7.04E-05	0.00001
594886.23	4127747.71	5.11E-05	6.62E-05	5.71E-05	6.62E-05	0.00001
594950.74	4127747.71	5.9E-05	7.72E-05	6.67E-05	7.72E-05	0.00002
594886.23	4127776.15	5.64E-05	7.28E-05	6.28E-05	7.28E-05	0.00001
594950.74	4127776.15	6.49E-05	8.49E-05	7.34E-05	8.49E-05	0.00002
594886.23	4127804.59	6.24E-05	8.05E-05	6.94E-05	8.05E-05	0.00002
594950.74	4127804.59	7.16E-05	9.37E-05	8.1E-05	9.37E-05	0.00002
594886.23	4127833.03	6.92E-05	8.92E-05	7.69E-05	8.92E-05	0.00002
594950.74	4127833.03	7.91E-05	0.000104	8.95E-05	0.000104	0.00002
594886.23	4127861.47	7.71E-05	9.93E-05	8.56E-05	9.93E-05	0.00002
594950.74	4127861.47	8.76E-05	0.000115	9.91E-05	0.000115	0.00002
594886.23	4127889.91	8.6E-05	0.000111	9.54E-05	0.000111	0.00002
594950.74	4127889.91	9.73E-05	0.000128	0.00011	0.000128	0.00003
594886.23	4127918.35	9.62E-05	0.000124	0.000107	0.000124	0.00002
594950.74	4127918.35	0.000108	0.000142	0.000123	0.000142	0.00003
594834.46	4127713.69	4.03E-05	5.18E-05	4.47E-05	5.18E-05	0.00001
594862.34	4127713.69	4.31E-05	5.57E-05	4.8E-05	5.57E-05	0.00001
594834.46	4127736.34	4.35E-05	5.58E-05	4.81E-05	5.58E-05	0.00001
594862.34	4127736.34	4.65E-05	6E-05	5.17E-05	6E-05	0.00001
594834.46	4127758.99	4.71E-05	6.03E-05	5.2E-05	6.03E-05	0.00001
594862.34	4127758.99	5.03E-05	6.48E-05	5.59E-05	6.48E-05	0.00001
594834.46	4127781.64	5.11E-05	6.53E-05	5.63E-05	6.53E-05	0.00001
594862.34	4127781.64	5.45E-05	7E-05	6.04E-05	7E-05	0.00001
594834.46	4127804.29	5.56E-05	7.08E-05	6.1E-05	7.08E-05	0.00001
594862.34	4127804.29	5.92E-05	7.59E-05	6.55E-05	7.59E-05	0.00002
594834.46	4127826.94	6.06E-05	7.71E-05	6.64E-05	7.71E-05	0.00002
594862.34	4127826.94	6.44E-05	8.25E-05	7.11E-05	8.25E-05	0.00002
594834.46	4127849.59	6.63E-05	8.41E-05	7.24E-05	8.41E-05	0.00002
594862.34	4127849.59	7.01E-05	8.97E-05	7.73E-05	8.97E-05	0.00002
594834.46	4127872.24	7.26E-05	9.19E-05	7.91E-05	9.19E-05	0.00002
594862.34	4127872.24	7.66E-05	9.78E-05	8.43E-05	9.78E-05	0.00002
594834.46	4127894.89	7.97E-05	0.000101	8.67E-05	0.000101	0.00002
594862.34	4127894.89	8.39E-05	0.000107	9.23E-05	0.000107	0.00002
594834.46	4127917.54	8.8E-05	0.000111	9.55E-05	0.000111	0.00002
594862.34	4127917.54	9.21E-05	0.000117	0.000101	0.000117	0.00002
595026.39	4127722.45	6.35E-05	8.41E-05	7.28E-05	8.41E-05	0.00002

595026.39	4127759.08	7.15E-05	9.47E-05	8.2E-05	9.47E-05	0.00002
595026.39	4127795.71	8.08E-05	0.000107	9.27E-05	0.000107	0.00002
595026.39	4127832.34	9.15E-05	0.000122	0.000105	0.000122	0.00002
595026.39	4127868.97	0.000104	0.000138	0.00012	0.000138	0.00003
595026.39	4127905.6	0.000119	0.000158	0.000137	0.000158	0.00003
595026.39	4127942.23	0.000136	0.000182	0.000157	0.000182	0.00004
595026.39	4127978.86	0.000156	0.000209	0.000181	0.000209	0.00004
595026.39	4128015.49	0.00018	0.000243	0.00021	0.000243	0.00005
595026.39	4128052.12	0.000209	0.000283	0.000246	0.000283	0.00006
594967.92	4128313.02	0.000752	0.001035	0.000899	0.001035	0.00021
594989.44	4128313.02	0.000763	0.001052	0.000914	0.001052	0.00021
595010.96	4128313.02	0.000768	0.00106	0.000921	0.00106	0.00021
595032.48	4128313.02	0.000768	0.00106	0.000921	0.00106	0.00021
595054	4128313.02	0.000764	0.001054	0.000916	0.001054	0.00021
595075.52	4128313.02	0.000755	0.001042	0.000905	0.001042	0.00021
594967.92	4128341.65	0.000907	0.001251	0.001087	0.001251	0.00025
594989.44	4128341.65	0.000912	0.001259	0.001094	0.001259	0.00025
595010.96	4128341.65	0.00091	0.001256	0.001091	0.001256	0.00025
595032.48	4128341.65	0.000901	0.001245	0.001082	0.001245	0.00025
595054	4128341.65	0.000887	0.001226	0.001065	0.001226	0.00025
595075.52	4128341.65	0.000869	0.001201	0.001044	0.001201	0.00024
594967.92	4128370.28	0.0011	0.001519	0.00132	0.001519	0.00030
594989.44	4128370.28	0.001093	0.00151	0.001312	0.00151	0.00030
595010.96	4128370.28	0.001078	0.00149	0.001295	0.00149	0.00030
595032.48	4128370.28	0.001057	0.001461	0.001269	0.001461	0.00029
595054	4128370.28	0.00103	0.001424	0.001237	0.001424	0.00028
595075.52	4128370.28	0.000998	0.001381	0.0012	0.001381	0.00028
594967.92	4128398.91	0.001336	0.001847	0.001605	0.001847	0.00037
594989.44	4128398.91	0.00131	0.001812	0.001574	0.001812	0.00036
595010.96	4128398.91	0.001276	0.001765	0.001533	0.001765	0.00035
595032.48	4128398.91	0.001235	0.001709	0.001485	0.001709	0.00034
595054	4128398.91	0.00119	0.001646	0.00143	0.001646	0.00033
595075.52	4128398.91	0.001141	0.001578	0.001372	0.001578	0.00032
594967.92	4128427.54	0.001621	0.002243	0.001949	0.002243	0.00045
594989.44	4128427.54	0.001565	0.002166	0.001882	0.002166	0.00043
595010.96	4128427.54	0.001503	0.002079	0.001807	0.002079	0.00042
595032.48	4128427.54	0.001435	0.001986	0.001726	0.001986	0.00040
595054	4128427.54	0.001365	0.001889	0.001641	0.001889	0.00038
595075.52	4128427.54	0.001293	0.00179	0.001555	0.00179	0.00036



595000.73	4128430.99	0.001564	0.002165	0.001881	0.002165	0.00043
595032.09	4128430.99	0.001462	0.002023	0.001758	0.002023	0.00040
595063.45	4128430.99	0.001354	0.001874	0.001629	0.001874	0.00037
595000.73	4128448.25	0.001726	0.00239	0.002077	0.00239	0.00048
595032.09	4128448.25	0.001592	0.002205	0.001916	0.002205	0.00044
595063.45	4128448.25	0.001458	0.002018	0.001754	0.002018	0.00040
595000.73	4128465.51	0.001898	0.002628	0.002284	0.002628	0.00053
595032.09	4128465.51	0.001727	0.002392	0.002079	0.002392	0.00048
595063.45	4128465.51	0.001562	0.002163	0.001879	0.002163	0.00043
595056.55	4128477.03	0.001672	0.002315	0.002011	0.002315	0.00046
595097.42	4128477.03	0.001444	0.001999	0.001737	0.001999	0.00040
595138.29	4128477.03	0.001241	0.001717	0.001492	0.001717	0.00034
595056.55	4128506.38	0.00185	0.002562	0.002227	0.002562	0.00051
595097.42	4128506.38	0.001558	0.002157	0.001875	0.002157	0.00043
595138.29	4128506.38	0.001309	0.001812	0.001574	0.001812	0.00036
595185.07	4128542.78	0.001074	0.001486	0.001291	0.001486	0.00030
595200.24	4128542.78	0.000998	0.001381	0.0012	0.001381	0.00028
595215.41	4128542.78	0.000928	0.001283	0.001115	0.001283	0.00026
595230.58	4128542.78	0.000864	0.001194	0.001037	0.001194	0.00024
595245.75	4128542.78	0.000804	0.001112	0.000966	0.001112	0.00022
595260.92	4128542.78	0.00075	0.001036	0.0009	0.001036	0.00021
595276.09	4128542.78	0.000699	0.000966	0.000839	0.000966	0.00019
595291.26	4128542.78	0.000653	0.000902	0.000784	0.000902	0.00018
595306.43	4128542.78	0.00061	0.000843	0.000732	0.000843	0.00017
595321.6	4128542.78	0.000571	0.000788	0.000685	0.000788	0.00016
595185.07	4128563.98	0.001055	0.001458	0.001267	0.001458	0.00029
595200.24	4128563.98	0.000976	0.001349	0.001172	0.001349	0.00027
595215.41	4128563.98	0.000904	0.001249	0.001085	0.001249	0.00025
595230.58	4128563.98	0.000838	0.001157	0.001005	0.001157	0.00023
595245.75	4128563.98	0.000777	0.001073	0.000933	0.001073	0.00021
595260.92	4128563.98	0.000722	0.000997	0.000866	0.000997	0.00020
595276.09	4128563.98	0.000671	0.000927	0.000805	0.000927	0.00019
595291.26	4128563.98	0.000625	0.000863	0.000749	0.000863	0.00017
595306.43	4128563.98	0.000583	0.000804	0.000699	0.000804	0.00016
595321.6	4128563.98	0.000544	0.000751	0.000652	0.000751	0.00015
595185.07	4128585.18	0.001018	0.001407	0.001223	0.001407	0.00028
595200.24	4128585.18	0.000939	0.001297	0.001127	0.001297	0.00026
595215.41	4128585.18	0.000866	0.001197	0.00104	0.001197	0.00024
595230.58	4128585.18	0.0008	0.001105	0.00096	0.001105	0.00022

595245.75	4128585.18	0.00074	0.001022	0.000887	0.001022	0.00020
595260.92	4128585.18	0.000685	0.000946	0.000822	0.000946	0.00019
595276.09	4128585.18	0.000636	0.000877	0.000762	0.000877	0.00018
595291.26	4128585.18	0.000591	0.000815	0.000708	0.000815	0.00016
595306.43	4128585.18	0.00055	0.000758	0.000659	0.000758	0.00015
595321.6	4128585.18	0.000513	0.000706	0.000614	0.000706	0.00014
595185.07	4128606.38	0.000964	0.001332	0.001157	0.001332	0.00027
595200.24	4128606.38	0.000886	0.001224	0.001063	0.001224	0.00024
595215.41	4128606.38	0.000816	0.001126	0.000978	0.001126	0.00023
595230.58	4128606.38	0.000752	0.001038	0.000902	0.001038	0.00021
595245.75	4128606.38	0.000694	0.000958	0.000832	0.000958	0.00019
595260.92	4128606.38	0.000642	0.000885	0.000769	0.000885	0.00018
595276.09	4128606.38	0.000595	0.00082	0.000712	0.00082	0.00016
595291.26	4128606.38	0.000552	0.00076	0.000661	0.00076	0.00015
595306.43	4128606.38	0.000513	0.000707	0.000614	0.000707	0.00014
595321.6	4128606.38	0.000478	0.000658	0.000571	0.000658	0.00013
595343.81	4128516.24	0.000545	0.000753	0.000654	0.000753	0.00015
595380.27	4128516.24	0.000471	0.00065	0.000565	0.00065	0.00013
595416.73	4128516.24	0.000409	0.000564	0.00049	0.000564	0.00011
595453.19	4128516.24	0.000357	0.000492	0.000427	0.000492	0.00010
595343.81	4128534.78	0.000528	0.000728	0.000633	0.000728	0.00015
595380.27	4128534.78	0.000454	0.000626	0.000544	0.000626	0.00013
595416.73	4128534.78	0.000393	0.000541	0.00047	0.000541	0.00011
595453.19	4128534.78	0.000342	0.000471	0.000409	0.000471	0.00009
595343.81	4128553.32	0.000507	0.000699	0.000607	0.000699	0.00014
595380.27	4128553.32	0.000434	0.000599	0.00052	0.000599	0.00012
595416.73	4128553.32	0.000375	0.000516	0.000448	0.000516	0.00010
595453.19	4128553.32	0.000325	0.000448	0.000389	0.000448	0.00009
595343.81	4128571.86	0.000483	0.000665	0.000578	0.000665	0.00013
595380.27	4128571.86	0.000413	0.000568	0.000494	0.000568	0.00011
595416.73	4128571.86	0.000355	0.000489	0.000425	0.000489	0.00010
595453.19	4128571.86	0.000308	0.000424	0.000368	0.000424	0.00008
595343.81	4128590.4	0.000456	0.000628	0.000546	0.000628	0.00013
595380.27	4128590.4	0.000389	0.000536	0.000465	0.000536	0.00011
595416.73	4128590.4	0.000335	0.000461	0.0004	0.000461	0.00009
595453.19	4128590.4	0.000291	0.0004	0.000347	0.0004	0.00008
595343.81	4128608.94	0.000427	0.000588	0.000511	0.000588	0.00012
595380.27	4128608.94	0.000364	0.0005	0.000434	0.0005	0.00010
595416.73	4128608.94	0.000313	0.000431	0.000374	0.000431	0.00009

595453.19	4128608.94	0.000272	0.000374	0.000325	0.000374	0.00007
595459.33	4128741.51	0.000164	0.000223	0.000193	0.000223	0.00004
595488.36	4128741.51	0.00015	0.000204	0.000176	0.000204	0.00004
595517.39	4128741.51	0.000138	0.000187	0.000162	0.000187	0.00004
595546.42	4128741.51	0.000129	0.000174	0.000151	0.000174	0.00003
595575.45	4128741.51	0.000121	0.000163	0.000141	0.000163	0.00003
595604.48	4128741.51	0.000113	0.000152	0.000132	0.000152	0.00003
595633.51	4128741.51	0.000105	0.000142	0.000123	0.000142	0.00003
595662.54	4128741.51	9.89E-05	0.000134	0.000116	0.000134	0.00003
595691.57	4128741.51	9.3E-05	0.000125	0.000109	0.000125	0.00003
595720.6	4128741.51	8.77E-05	0.000118	0.000103	0.000118	0.00002
595749.63	4128741.51	8.29E-05	0.000112	9.69E-05	0.000112	0.00002
595778.66	4128741.51	7.84E-05	0.000106	9.16E-05	0.000106	0.00002
595807.69	4128741.51	7.43E-05	0.0001	8.67E-05	0.0001	0.00002
595836.72	4128741.51	7.04E-05	9.49E-05	8.22E-05	9.49E-05	0.00002
595865.75	4128741.51	6.69E-05	9.01E-05	7.81E-05	9.01E-05	0.00002
595894.78	4128741.51	6.37E-05	8.57E-05	7.43E-05	8.57E-05	0.00002
595923.81	4128741.51	6.07E-05	8.17E-05	7.08E-05	8.17E-05	0.00002
595952.84	4128741.51	5.79E-05	7.79E-05	6.75E-05	7.79E-05	0.00002
595981.87	4128741.51	5.53E-05	7.44E-05	6.45E-05	7.44E-05	0.00001
596010.9	4128741.51	5.29E-05	7.11E-05	6.16E-05	7.11E-05	0.00001
596039.93	4128741.51	5.06E-05	6.81E-05	5.9E-05	6.81E-05	0.00001
595459.33	4128760.66	0.000153	0.000207	0.00018	0.000207	0.00004
595488.36	4128760.66	0.000141	0.000191	0.000166	0.000191	0.00004
595517.39	4128760.66	0.000131	0.000176	0.000153	0.000176	0.00004
595546.42	4128760.66	0.000121	0.000164	0.000142	0.000164	0.00003
595575.45	4128760.66	0.000114	0.000153	0.000133	0.000153	0.00003
595604.48	4128760.66	0.000106	0.000144	0.000124	0.000144	0.00003
595633.51	4128760.66	9.99E-05	0.000135	0.000117	0.000135	0.00003
595662.54	4128760.66	9.38E-05	0.000126	0.00011	0.000126	0.00003
595691.57	4128760.66	8.84E-05	0.000119	0.000103	0.000119	0.00002
595720.6	4128760.66	8.39E-05	0.000113	9.78E-05	0.000113	0.00002
595749.63	4128760.66	7.96E-05	0.000107	9.28E-05	0.000107	0.00002
595778.66	4128760.66	7.54E-05	0.000101	8.79E-05	0.000101	0.00002
595807.69	4128760.66	7.16E-05	9.63E-05	8.34E-05	9.63E-05	0.00002
595836.72	4128760.66	6.8E-05	9.14E-05	7.92E-05	9.14E-05	0.00002
595865.75	4128760.66	6.47E-05	8.7E-05	7.54E-05	8.7E-05	0.00002
595894.78	4128760.66	6.17E-05	8.29E-05	7.18E-05	8.29E-05	0.00002
595923.81	4128760.66	5.88E-05	7.91E-05	6.85E-05	7.91E-05	0.00002

595952.84	4128760.66	5.62E-05	7.55E-05	6.54E-05	7.55E-05	0.00002
595981.87	4128760.66	5.38E-05	7.22E-05	6.26E-05	7.22E-05	0.00001
596010.9	4128760.66	5.15E-05	6.91E-05	5.99E-05	6.91E-05	0.00001
596039.93	4128760.66	4.93E-05	6.62E-05	5.74E-05	6.62E-05	0.00001
595459.33	4128779.81	0.000143	0.000193	0.000167	0.000193	0.00004
595488.36	4128779.81	0.000133	0.000179	0.000155	0.000179	0.00004
595517.39	4128779.81	0.000123	0.000166	0.000144	0.000166	0.00003
595546.42	4128779.81	0.000115	0.000154	0.000134	0.000154	0.00003
595575.45	4128779.81	0.000107	0.000144	0.000125	0.000144	0.00003
595604.48	4128779.81	0.000101	0.000135	0.000117	0.000135	0.00003
595633.51	4128779.81	9.48E-05	0.000127	0.00011	0.000127	0.00003
595662.54	4128779.81	8.93E-05	0.00012	0.000104	0.00012	0.00002
595691.57	4128779.81	8.41E-05	0.000113	9.79E-05	0.000113	0.00002
595720.6	4128779.81	7.99E-05	0.000107	9.29E-05	0.000107	0.00002
595749.63	4128779.81	7.62E-05	0.000102	8.87E-05	0.000102	0.00002
595778.66	4128779.81	7.25E-05	9.73E-05	8.43E-05	9.73E-05	0.00002
595807.69	4128779.81	6.89E-05	9.25E-05	8.02E-05	9.25E-05	0.00002
595836.72	4128779.81	6.56E-05	8.8E-05	7.63E-05	8.8E-05	0.00002
595865.75	4128779.81	6.25E-05	8.39E-05	7.27E-05	8.39E-05	0.00002
595894.78	4128779.81	5.97E-05	8.01E-05	6.94E-05	8.01E-05	0.00002
595923.81	4128779.81	5.7E-05	7.65E-05	6.63E-05	7.65E-05	0.00002
595952.84	4128779.81	5.45E-05	7.32E-05	6.34E-05	7.32E-05	0.00001
595981.87	4128779.81	5.22E-05	7E-05	6.07E-05	7E-05	0.00001
596010.9	4128779.81	5E-05	6.71E-05	5.81E-05	6.71E-05	0.00001
596039.93	4128779.81	4.8E-05	6.44E-05	5.58E-05	6.44E-05	0.00001
595459.33	4128798.96	0.000134	0.00018	0.000156	0.00018	0.00004
595488.36	4128798.96	0.000125	0.000168	0.000145	0.000168	0.00003
595517.39	4128798.96	0.000116	0.000156	0.000135	0.000156	0.00003
595546.42	4128798.96	0.000108	0.000145	0.000126	0.000145	0.00003
595575.45	4128798.96	0.000102	0.000136	0.000118	0.000136	0.00003
595604.48	4128798.96	9.55E-05	0.000128	0.000111	0.000128	0.00003
595633.51	4128798.96	9.02E-05	0.000121	0.000105	0.000121	0.00002
595662.54	4128798.96	8.51E-05	0.000114	9.88E-05	0.000114	0.00002
595691.57	4128798.96	8.02E-05	0.000107	9.3E-05	0.000107	0.00002
595720.6	4128798.96	7.6E-05	0.000102	8.81E-05	0.000102	0.00002
595749.63	4128798.96	7.29E-05	9.76E-05	8.45E-05	9.76E-05	0.00002
595778.66	4128798.96	6.96E-05	9.32E-05	8.07E-05	9.32E-05	0.00002
595807.69	4128798.96	6.63E-05	8.88E-05	7.69E-05	8.88E-05	0.00002
595836.72	4128798.96	6.32E-05	8.47E-05	7.33E-05	8.47E-05	0.00002

595865.75	4128798.96	6.04E-05	8.09E-05	7E-05	8.09E-05	0.00002
595894.78	4128798.96	5.77E-05	7.73E-05	6.69E-05	7.73E-05	0.00002
595923.81	4128798.96	5.52E-05	7.39E-05	6.4E-05	7.39E-05	0.00001
595952.84	4128798.96	5.29E-05	7.08E-05	6.13E-05	7.08E-05	0.00001
595981.87	4128798.96	5.07E-05	6.79E-05	5.88E-05	6.79E-05	0.00001
596010.9	4128798.96	4.86E-05	6.51E-05	5.64E-05	6.51E-05	0.00001
596039.93	4128798.96	4.67E-05	6.25E-05	5.42E-05	6.25E-05	0.00001
595459.33	4128818.11	0.000126	0.000168	0.000146	0.000168	0.00003
595488.36	4128818.11	0.000117	0.000157	0.000136	0.000157	0.00003
595517.39	4128818.11	0.000109	0.000146	0.000127	0.000146	0.00003
595546.42	4128818.11	0.000102	0.000137	0.000118	0.000137	0.00003
595575.45	4128818.11	9.64E-05	0.000129	0.000112	0.000129	0.00003
595604.48	4128818.11	9.07E-05	0.000121	0.000105	0.000121	0.00002
595633.51	4128818.11	8.61E-05	0.000115	9.96E-05	0.000115	0.00002
595662.54	4128818.11	8.14E-05	0.000109	9.42E-05	0.000109	0.00002
595691.57	4128818.11	7.68E-05	0.000103	8.88E-05	0.000103	0.00002
595720.6	4128818.11	7.29E-05	9.73E-05	8.43E-05	9.73E-05	0.00002
595749.63	4128818.11	6.96E-05	9.3E-05	8.05E-05	9.3E-05	0.00002
595778.66	4128818.11	6.64E-05	8.87E-05	7.68E-05	8.87E-05	0.00002
595807.69	4128818.11	6.33E-05	8.45E-05	7.32E-05	8.45E-05	0.00002
595836.72	4128818.11	6.07E-05	8.1E-05	7.02E-05	8.1E-05	0.00002
595865.75	4128818.11	5.82E-05	7.78E-05	6.74E-05	7.78E-05	0.00002
595894.78	4128818.11	5.58E-05	7.45E-05	6.45E-05	7.45E-05	0.00001
595923.81	4128818.11	5.34E-05	7.14E-05	6.18E-05	7.14E-05	0.00001
595952.84	4128818.11	5.12E-05	6.85E-05	5.93E-05	6.85E-05	0.00001
595981.87	4128818.11	4.92E-05	6.57E-05	5.69E-05	6.57E-05	0.00001
596010.9	4128818.11	4.72E-05	6.31E-05	5.46E-05	6.31E-05	0.00001
596039.93	4128818.11	4.54E-05	6.07E-05	5.25E-05	6.07E-05	0.00001
595459.33	4128837.26	0.000118	0.000158	0.000136	0.000158	0.00003
595488.36	4128837.26	0.000111	0.000147	0.000128	0.000147	0.00003
595517.39	4128837.26	0.000103	0.000138	0.000119	0.000138	0.00003
595546.42	4128837.26	9.69E-05	0.000129	0.000112	0.000129	0.00003
595575.45	4128837.26	9.17E-05	0.000122	0.000106	0.000122	0.00002
595604.48	4128837.26	8.64E-05	0.000115	9.96E-05	0.000115	0.00002
595633.51	4128837.26	8.22E-05	0.000109	9.48E-05	0.000109	0.00002
595662.54	4128837.26	7.79E-05	0.000104	8.99E-05	0.000104	0.00002
595691.57	4128837.26	7.37E-05	9.82E-05	8.5E-05	9.82E-05	0.00002
595720.6	4128837.26	7E-05	9.33E-05	8.08E-05	9.33E-05	0.00002
595749.63	4128837.26	6.67E-05	8.88E-05	7.69E-05	8.88E-05	0.00002

595778.66	4128837.26	6.35E-05	8.45E-05	7.32E-05	8.45E-05	0.00002
595807.69	4128837.26	6.05E-05	8.06E-05	6.98E-05	8.06E-05	0.00002
595836.72	4128837.26	5.81E-05	7.75E-05	6.71E-05	7.75E-05	0.00002
595865.75	4128837.26	5.61E-05	7.47E-05	6.47E-05	7.47E-05	0.00001
595894.78	4128837.26	5.38E-05	7.18E-05	6.21E-05	7.18E-05	0.00001
595923.81	4128837.26	5.16E-05	6.89E-05	5.96E-05	6.89E-05	0.00001
595952.84	4128837.26	4.96E-05	6.61E-05	5.72E-05	6.61E-05	0.00001
595981.87	4128837.26	4.76E-05	6.35E-05	5.5E-05	6.35E-05	0.00001
596010.9	4128837.26	4.58E-05	6.11E-05	5.29E-05	6.11E-05	0.00001
596039.93	4128837.26	4.4E-05	5.88E-05	5.09E-05	5.88E-05	0.00001
595459.33	4128856.41	0.000112	0.000148	0.000128	0.000148	0.00003
595488.36	4128856.41	0.000104	0.000139	0.00012	0.000139	0.00003
595517.39	4128856.41	9.78E-05	0.00013	0.000112	0.00013	0.00003
595546.42	4128856.41	9.19E-05	0.000122	0.000106	0.000122	0.00002
595575.45	4128856.41	8.75E-05	0.000116	0.0001	0.000116	0.00002
595604.48	4128856.41	8.26E-05	0.00011	9.49E-05	0.00011	0.00002
595633.51	4128856.41	7.85E-05	0.000104	9.02E-05	0.000104	0.00002
595662.54	4128856.41	7.47E-05	9.92E-05	8.58E-05	9.92E-05	0.00002
595691.57	4128856.41	7.09E-05	9.41E-05	8.15E-05	9.41E-05	0.00002
595720.6	4128856.41	6.74E-05	8.95E-05	7.75E-05	8.95E-05	0.00002
595749.63	4128856.41	6.4E-05	8.5E-05	7.35E-05	8.5E-05	0.00002
595778.66	4128856.41	6.08E-05	8.08E-05	6.99E-05	8.08E-05	0.00002
595807.69	4128856.41	5.81E-05	7.72E-05	6.68E-05	7.72E-05	0.00002
595836.72	4128856.41	5.57E-05	7.41E-05	6.41E-05	7.41E-05	0.00001
595865.75	4128856.41	5.38E-05	7.16E-05	6.19E-05	7.16E-05	0.00001
595894.78	4128856.41	5.19E-05	6.9E-05	5.97E-05	6.9E-05	0.00001
595923.81	4128856.41	4.99E-05	6.64E-05	5.75E-05	6.64E-05	0.00001
595952.84	4128856.41	4.79E-05	6.38E-05	5.52E-05	6.38E-05	0.00001
595981.87	4128856.41	4.6E-05	6.13E-05	5.31E-05	6.13E-05	0.00001
596010.9	4128856.41	4.43E-05	5.9E-05	5.11E-05	5.9E-05	0.00001
596039.93	4128856.41	4.27E-05	5.69E-05	4.92E-05	5.69E-05	0.00001
595459.33	4128875.56	0.000106	0.00014	0.000121	0.00014	0.00003
595488.36	4128875.56	9.93E-05	0.000131	0.000113	0.000131	0.00003
595517.39	4128875.56	9.33E-05	0.000123	0.000107	0.000123	0.00002
595546.42	4128875.56	8.81E-05	0.000116	0.000101	0.000116	0.00002
595575.45	4128875.56	8.33E-05	0.00011	9.53E-05	0.00011	0.00002
595604.48	4128875.56	7.9E-05	0.000104	9.04E-05	0.000104	0.00002
595633.51	4128875.56	7.51E-05	9.94E-05	8.6E-05	9.94E-05	0.00002
595662.54	4128875.56	7.14E-05	9.46E-05	8.18E-05	9.46E-05	0.00002

595691.57	4128875.56	6.79E-05	8.99E-05	7.78E-05	8.99E-05	0.00002
595720.6	4128875.56	6.47E-05	8.57E-05	7.41E-05	8.57E-05	0.00002
595749.63	4128875.56	6.17E-05	8.17E-05	7.07E-05	8.17E-05	0.00002
595778.66	4128875.56	5.89E-05	7.81E-05	6.75E-05	7.81E-05	0.00002
595807.69	4128875.56	5.62E-05	7.44E-05	6.44E-05	7.44E-05	0.00001
595836.72	4128875.56	5.37E-05	7.12E-05	6.16E-05	7.12E-05	0.00001
595865.75	4128875.56	5.18E-05	6.87E-05	5.94E-05	6.87E-05	0.00001
595894.78	4128875.56	4.99E-05	6.62E-05	5.73E-05	6.62E-05	0.00001
595923.81	4128875.56	4.81E-05	6.38E-05	5.52E-05	6.38E-05	0.00001
595952.84	4128875.56	4.63E-05	6.15E-05	5.32E-05	6.15E-05	0.00001
595981.87	4128875.56	4.45E-05	5.92E-05	5.12E-05	5.92E-05	0.00001
596010.9	4128875.56	4.29E-05	5.7E-05	4.93E-05	5.7E-05	0.00001
596039.93	4128875.56	4.13E-05	5.49E-05	4.76E-05	5.49E-05	0.00001
595459.33	4128894.71	0.000101	0.000133	0.000115	0.000133	0.00003
595488.36	4128894.71	9.49E-05	0.000125	0.000108	0.000125	0.00002
595517.39	4128894.71	8.95E-05	0.000118	0.000102	0.000118	0.00002
595546.42	4128894.71	8.46E-05	0.000111	9.62E-05	0.000111	0.00002
595575.45	4128894.71	7.98E-05	0.000105	9.08E-05	0.000105	0.00002
595604.48	4128894.71	7.58E-05	9.98E-05	8.63E-05	9.98E-05	0.00002
595633.51	4128894.71	7.2E-05	9.49E-05	8.21E-05	9.49E-05	0.00002
595662.54	4128894.71	6.85E-05	9.03E-05	7.81E-05	9.03E-05	0.00002
595691.57	4128894.71	6.52E-05	8.6E-05	7.44E-05	8.6E-05	0.00002
595720.6	4128894.71	6.22E-05	8.21E-05	7.1E-05	8.21E-05	0.00002
595749.63	4128894.71	5.95E-05	7.85E-05	6.79E-05	7.85E-05	0.00002
595778.66	4128894.71	5.69E-05	7.51E-05	6.5E-05	7.51E-05	0.00002
595807.69	4128894.71	5.42E-05	7.16E-05	6.2E-05	7.16E-05	0.00001
595836.72	4128894.71	5.18E-05	6.85E-05	5.93E-05	6.85E-05	0.00001
595865.75	4128894.71	4.99E-05	6.59E-05	5.7E-05	6.59E-05	0.00001
595894.78	4128894.71	4.8E-05	6.35E-05	5.49E-05	6.35E-05	0.00001
595923.81	4128894.71	4.64E-05	6.14E-05	5.31E-05	6.14E-05	0.00001
595952.84	4128894.71	4.47E-05	5.92E-05	5.12E-05	5.92E-05	0.00001
595981.87	4128894.71	4.3E-05	5.7E-05	4.94E-05	5.7E-05	0.00001
596010.9	4128894.71	4.14E-05	5.5E-05	4.76E-05	5.5E-05	0.00001
596039.93	4128894.71	3.99E-05	5.3E-05	4.59E-05	5.3E-05	0.00001
595459.33	4128913.86	9.77E-05	0.000128	0.00011	0.000128	0.00003
595488.36	4128913.86	9.16E-05	0.00012	0.000104	0.00012	0.00002
595517.39	4128913.86	8.63E-05	0.000113	9.77E-05	0.000113	0.00002
595546.42	4128913.86	8.14E-05	0.000107	9.22E-05	0.000107	0.00002
595575.45	4128913.86	7.7E-05	0.000101	8.72E-05	0.000101	0.00002

595604.48	4128913.86	7.3E-05	9.57E-05	8.28E-05	9.57E-05	0.00002
595633.51	4128913.86	6.93E-05	9.1E-05	7.86E-05	9.1E-05	0.00002
595662.54	4128913.86	6.59E-05	8.65E-05	7.48E-05	8.65E-05	0.00002
595691.57	4128913.86	6.28E-05	8.25E-05	7.13E-05	8.25E-05	0.00002
595720.6	4128913.86	5.99E-05	7.88E-05	6.81E-05	7.88E-05	0.00002
595749.63	4128913.86	5.73E-05	7.53E-05	6.51E-05	7.53E-05	0.00002
595778.66	4128913.86	5.48E-05	7.21E-05	6.23E-05	7.21E-05	0.00001
595807.69	4128913.86	5.23E-05	6.89E-05	5.96E-05	6.89E-05	0.00001
595836.72	4128913.86	5E-05	6.59E-05	5.7E-05	6.59E-05	0.00001
595865.75	4128913.86	4.81E-05	6.34E-05	5.48E-05	6.34E-05	0.00001
595894.78	4128913.86	4.63E-05	6.11E-05	5.29E-05	6.11E-05	0.00001
595923.81	4128913.86	4.47E-05	5.91E-05	5.11E-05	5.91E-05	0.00001
595952.84	4128913.86	4.31E-05	5.7E-05	4.93E-05	5.7E-05	0.00001
595981.87	4128913.86	4.15E-05	5.49E-05	4.75E-05	5.49E-05	0.00001
596010.9	4128913.86	4E-05	5.3E-05	4.58E-05	5.3E-05	0.00001
596039.93	4128913.86	3.86E-05	5.11E-05	4.43E-05	5.11E-05	0.00001
595459.33	4128933.01	9.51E-05	0.000124	0.000107	0.000124	0.00002
595488.36	4128933.01	8.91E-05	0.000116	0.0001	0.000116	0.00002
595517.39	4128933.01	8.38E-05	0.000109	9.43E-05	0.000109	0.00002
595546.42	4128933.01	7.89E-05	0.000103	8.9E-05	0.000103	0.00002
595575.45	4128933.01	7.46E-05	9.74E-05	8.41E-05	9.74E-05	0.00002
595604.48	4128933.01	7.06E-05	9.23E-05	7.97E-05	9.23E-05	0.00002
595633.51	4128933.01	6.7E-05	8.76E-05	7.57E-05	8.76E-05	0.00002
595662.54	4128933.01	6.37E-05	8.33E-05	7.2E-05	8.33E-05	0.00002
595691.57	4128933.01	6.06E-05	7.94E-05	6.86E-05	7.94E-05	0.00002
595720.6	4128933.01	5.78E-05	7.58E-05	6.55E-05	7.58E-05	0.00002
595749.63	4128933.01	5.53E-05	7.25E-05	6.26E-05	7.25E-05	0.00001
595778.66	4128933.01	5.28E-05	6.93E-05	5.99E-05	6.93E-05	0.00001
595807.69	4128933.01	5.05E-05	6.63E-05	5.73E-05	6.63E-05	0.00001
595836.72	4128933.01	4.83E-05	6.35E-05	5.49E-05	6.35E-05	0.00001
595865.75	4128933.01	4.64E-05	6.1E-05	5.27E-05	6.1E-05	0.00001
595894.78	4128933.01	4.47E-05	5.88E-05	5.09E-05	5.88E-05	0.00001
595923.81	4128933.01	4.32E-05	5.69E-05	4.92E-05	5.69E-05	0.00001
595952.84	4128933.01	4.16E-05	5.49E-05	4.75E-05	5.49E-05	0.00001
595981.87	4128933.01	4.01E-05	5.3E-05	4.58E-05	5.3E-05	0.00001
596010.9	4128933.01	3.87E-05	5.11E-05	4.42E-05	5.11E-05	0.00001
596039.93	4128933.01	3.73E-05	4.93E-05	4.27E-05	4.93E-05	0.00001
595459.33	4128952.16	9.32E-05	0.000121	0.000104	0.000121	0.00002
595488.36	4128952.16	8.73E-05	0.000113	9.77E-05	0.000113	0.00002



595517.39	4128952.16	8.19E-05	0.000106	9.17E-05	0.000106	0.00002
595546.42	4128952.16	7.7E-05	0.0001	8.64E-05	0.0001	0.00002
595575.45	4128952.16	7.27E-05	9.45E-05	8.16E-05	9.45E-05	0.00002
595604.48	4128952.16	6.87E-05	8.94E-05	7.72E-05	8.94E-05	0.00002
595633.51	4128952.16	6.51E-05	8.48E-05	7.32E-05	8.48E-05	0.00002
595662.54	4128952.16	6.18E-05	8.06E-05	6.96E-05	8.06E-05	0.00002
595691.57	4128952.16	5.88E-05	7.67E-05	6.63E-05	7.67E-05	0.00002
595720.6	4128952.16	5.61E-05	7.32E-05	6.32E-05	7.32E-05	0.00001
595749.63	4128952.16	5.35E-05	6.99E-05	6.04E-05	6.99E-05	0.00001
595778.66	4128952.16	5.11E-05	6.68E-05	5.77E-05	6.68E-05	0.00001
595807.69	4128952.16	4.88E-05	6.39E-05	5.52E-05	6.39E-05	0.00001
595836.72	4128952.16	4.68E-05	6.12E-05	5.29E-05	6.12E-05	0.00001
595865.75	4128952.16	4.48E-05	5.88E-05	5.08E-05	5.88E-05	0.00001
595894.78	4128952.16	4.32E-05	5.66E-05	4.89E-05	5.66E-05	0.00001
595923.81	4128952.16	4.17E-05	5.48E-05	4.74E-05	5.48E-05	0.00001
595952.84	4128952.16	4.02E-05	5.29E-05	4.58E-05	5.29E-05	0.00001
595981.87	4128952.16	3.88E-05	5.11E-05	4.42E-05	5.11E-05	0.00001
596010.9	4128952.16	3.74E-05	4.93E-05	4.26E-05	4.93E-05	0.00001
596039.93	4128952.16	3.61E-05	4.76E-05	4.11E-05	4.76E-05	0.00001
595459.33	4128971.31	9.21E-05	0.000119	0.000102	0.000119	0.00002
595488.36	4128971.31	8.6E-05	0.000111	9.58E-05	0.000111	0.00002
595517.39	4128971.31	8.05E-05	0.000104	8.98E-05	0.000104	0.00002
595546.42	4128971.31	7.56E-05	9.79E-05	8.45E-05	9.79E-05	0.00002
595575.45	4128971.31	7.13E-05	9.23E-05	7.97E-05	9.23E-05	0.00002
595604.48	4128971.31	6.73E-05	8.72E-05	7.53E-05	8.72E-05	0.00002
595633.51	4128971.31	6.37E-05	8.26E-05	7.13E-05	8.26E-05	0.00002
595662.54	4128971.31	6.04E-05	7.84E-05	6.77E-05	7.84E-05	0.00002
595691.57	4128971.31	5.74E-05	7.46E-05	6.44E-05	7.46E-05	0.00001
595720.6	4128971.31	5.46E-05	7.1E-05	6.13E-05	7.1E-05	0.00001
595749.63	4128971.31	5.2E-05	6.77E-05	5.85E-05	6.77E-05	0.00001
595778.66	4128971.31	4.96E-05	6.47E-05	5.59E-05	6.47E-05	0.00001
595807.69	4128971.31	4.74E-05	6.18E-05	5.34E-05	6.18E-05	0.00001
595836.72	4128971.31	4.54E-05	5.92E-05	5.12E-05	5.92E-05	0.00001
595865.75	4128971.31	4.34E-05	5.67E-05	4.9E-05	5.67E-05	0.00001
595894.78	4128971.31	4.17E-05	5.45E-05	4.71E-05	5.45E-05	0.00001
595923.81	4128971.31	4.03E-05	5.27E-05	4.56E-05	5.27E-05	0.00001
595952.84	4128971.31	3.89E-05	5.1E-05	4.41E-05	5.1E-05	0.00001
595981.87	4128971.31	3.75E-05	4.93E-05	4.26E-05	4.93E-05	0.00001
596010.9	4128971.31	3.62E-05	4.76E-05	4.11E-05	4.76E-05	0.00001

596039.93	4128971.31	3.49E-05	4.59E-05	3.97E-05	4.59E-05	0.00001
595459.33	4128990.46	9.14E-05	0.000117	0.000101	0.000117	0.00002
595488.36	4128990.46	8.52E-05	0.00011	9.45E-05	0.00011	0.00002
595517.39	4128990.46	7.97E-05	0.000103	8.85E-05	0.000103	0.00002
595546.42	4128990.46	7.48E-05	9.63E-05	8.31E-05	9.63E-05	0.00002
595575.45	4128990.46	7.03E-05	9.07E-05	7.82E-05	9.07E-05	0.00002
595604.48	4128990.46	6.63E-05	8.56E-05	7.38E-05	8.56E-05	0.00002
595633.51	4128990.46	6.26E-05	8.09E-05	6.98E-05	8.09E-05	0.00002
595662.54	4128990.46	5.93E-05	7.67E-05	6.62E-05	7.67E-05	0.00002
595691.57	4128990.46	5.63E-05	7.28E-05	6.29E-05	7.28E-05	0.00001
595720.6	4128990.46	5.34E-05	6.93E-05	5.98E-05	6.93E-05	0.00001
595749.63	4128990.46	5.08E-05	6.59E-05	5.69E-05	6.59E-05	0.00001
595778.66	4128990.46	4.84E-05	6.29E-05	5.43E-05	6.29E-05	0.00001
595807.69	4128990.46	4.63E-05	6.01E-05	5.19E-05	6.01E-05	0.00001
595836.72	4128990.46	4.43E-05	5.76E-05	4.98E-05	5.76E-05	0.00001
595865.75	4128990.46	4.23E-05	5.52E-05	4.76E-05	5.52E-05	0.00001
595894.78	4128990.46	4.05E-05	5.28E-05	4.56E-05	5.28E-05	0.00001
595923.81	4128990.46	3.89E-05	5.08E-05	4.39E-05	5.08E-05	0.00001
595952.84	4128990.46	3.76E-05	4.92E-05	4.25E-05	4.92E-05	0.00001
595981.87	4128990.46	3.64E-05	4.76E-05	4.12E-05	4.76E-05	0.00001
596010.9	4128990.46	3.51E-05	4.6E-05	3.97E-05	4.6E-05	0.00001
596039.93	4128990.46	3.38E-05	4.44E-05	3.84E-05	4.44E-05	0.00001
595459.33	4129009.61	9.11E-05	0.000116	0.0001	0.000116	0.00002
595488.36	4129009.61	8.49E-05	0.000109	9.36E-05	0.000109	0.00002
595517.39	4129009.61	7.93E-05	0.000102	8.76E-05	0.000102	0.00002
595546.42	4129009.61	7.43E-05	9.53E-05	8.22E-05	9.53E-05	0.00002
595575.45	4129009.61	6.98E-05	8.96E-05	7.73E-05	8.96E-05	0.00002
595604.48	4129009.61	6.57E-05	8.45E-05	7.28E-05	8.45E-05	0.00002
595633.51	4129009.61	6.19E-05	7.98E-05	6.88E-05	7.98E-05	0.00002
595662.54	4129009.61	5.86E-05	7.55E-05	6.51E-05	7.55E-05	0.00002
595691.57	4129009.61	5.54E-05	7.15E-05	6.17E-05	7.15E-05	0.00001
595720.6	4129009.61	5.26E-05	6.79E-05	5.86E-05	6.79E-05	0.00001
595749.63	4129009.61	4.99E-05	6.45E-05	5.57E-05	6.45E-05	0.00001
595778.66	4129009.61	4.75E-05	6.15E-05	5.31E-05	6.15E-05	0.00001
595807.69	4129009.61	4.53E-05	5.87E-05	5.07E-05	5.87E-05	0.00001
595836.72	4129009.61	4.34E-05	5.63E-05	4.86E-05	5.63E-05	0.00001
595865.75	4129009.61	4.15E-05	5.39E-05	4.65E-05	5.39E-05	0.00001
595894.78	4129009.61	3.95E-05	5.14E-05	4.44E-05	5.14E-05	0.00001
595923.81	4129009.61	3.78E-05	4.92E-05	4.25E-05	4.92E-05	0.00001

595952.84	4129009.61	3.63E-05	4.74E-05	4.09E-05	4.74E-05	0.00001
595981.87	4129009.61	3.53E-05	4.61E-05	3.98E-05	4.61E-05	0.00001
596010.9	4129009.61	3.4E-05	4.45E-05	3.85E-05	4.45E-05	0.00001
596039.93	4129009.61	3.28E-05	4.29E-05	3.71E-05	4.29E-05	0.00001
595459.33	4129028.76	9.12E-05	0.000116	9.98E-05	0.000116	0.00002
595488.36	4129028.76	8.49E-05	0.000108	9.31E-05	0.000108	0.00002
595517.39	4129028.76	7.92E-05	0.000101	8.71E-05	0.000101	0.00002
595546.42	4129028.76	7.41E-05	9.47E-05	8.16E-05	9.47E-05	0.00002
595575.45	4129028.76	6.95E-05	8.9E-05	7.67E-05	8.9E-05	0.00002
595604.48	4129028.76	6.54E-05	8.38E-05	7.22E-05	8.38E-05	0.00002
595633.51	4129028.76	6.16E-05	7.9E-05	6.81E-05	7.9E-05	0.00002
595662.54	4129028.76	5.81E-05	7.46E-05	6.44E-05	7.46E-05	0.00001
595691.57	4129028.76	5.49E-05	7.06E-05	6.09E-05	7.06E-05	0.00001
595720.6	4129028.76	5.2E-05	6.69E-05	5.77E-05	6.69E-05	0.00001
595749.63	4129028.76	4.93E-05	6.35E-05	5.48E-05	6.35E-05	0.00001
595778.66	4129028.76	4.68E-05	6.04E-05	5.21E-05	6.04E-05	0.00001
595807.69	4129028.76	4.46E-05	5.77E-05	4.98E-05	5.77E-05	0.00001
595836.72	4129028.76	4.26E-05	5.51E-05	4.76E-05	5.51E-05	0.00001
595865.75	4129028.76	4.06E-05	5.26E-05	4.54E-05	5.26E-05	0.00001
595894.78	4129028.76	3.88E-05	5.04E-05	4.35E-05	5.04E-05	0.00001
595923.81	4129028.76	3.71E-05	4.83E-05	4.17E-05	4.83E-05	0.00001
595952.84	4129028.76	3.54E-05	4.61E-05	3.98E-05	4.61E-05	0.00001
595981.87	4129028.76	3.41E-05	4.45E-05	3.84E-05	4.45E-05	0.00001
596010.9	4129028.76	3.31E-05	4.32E-05	3.73E-05	4.32E-05	0.00001
596039.93	4129028.76	3.18E-05	4.16E-05	3.6E-05	4.16E-05	0.00001
595459.33	4129047.91	9.16E-05	0.000116	9.96E-05	0.000116	0.00002
595488.36	4129047.91	8.51E-05	0.000108	9.29E-05	0.000108	0.00002
595517.39	4129047.91	7.94E-05	0.000101	8.68E-05	0.000101	0.00002
595546.42	4129047.91	7.42E-05	9.44E-05	8.13E-05	9.44E-05	0.00002
595575.45	4129047.91	6.95E-05	8.86E-05	7.64E-05	8.86E-05	0.00002
595604.48	4129047.91	6.53E-05	8.34E-05	7.19E-05	8.34E-05	0.00002
595633.51	4129047.91	6.14E-05	7.86E-05	6.77E-05	7.86E-05	0.00002
595662.54	4129047.91	5.79E-05	7.41E-05	6.39E-05	7.41E-05	0.00001
595691.57	4129047.91	5.46E-05	7E-05	6.04E-05	7E-05	0.00001
595720.6	4129047.91	5.16E-05	6.62E-05	5.71E-05	6.62E-05	0.00001
595749.63	4129047.91	4.89E-05	6.28E-05	5.42E-05	6.28E-05	0.00001
595778.66	4129047.91	4.64E-05	5.97E-05	5.15E-05	5.97E-05	0.00001
595807.69	4129047.91	4.41E-05	5.69E-05	4.91E-05	5.69E-05	0.00001
595836.72	4129047.91	4.2E-05	5.42E-05	4.68E-05	5.42E-05	0.00001

595865.75	4129047.91	4E-05	5.17E-05	4.46E-05	5.17E-05	0.00001
595894.78	4129047.91	3.82E-05	4.95E-05	4.27E-05	4.95E-05	0.00001
595923.81	4129047.91	3.64E-05	4.72E-05	4.08E-05	4.72E-05	0.00001
595952.84	4129047.91	3.46E-05	4.49E-05	3.88E-05	4.49E-05	0.00001
595981.87	4129047.91	3.33E-05	4.32E-05	3.73E-05	4.32E-05	0.00001
596010.9	4129047.91	3.22E-05	4.2E-05	3.63E-05	4.2E-05	0.00001
596039.93	4129047.91	3.1E-05	4.04E-05	3.49E-05	4.04E-05	0.00001
595459.33	4129067.06	9.23E-05	0.000116	9.97E-05	0.000116	0.00002
595488.36	4129067.06	8.56E-05	0.000108	9.28E-05	0.000108	0.00002
595517.39	4129067.06	7.97E-05	0.000101	8.67E-05	0.000101	0.00002
595546.42	4129067.06	7.45E-05	9.43E-05	8.12E-05	9.43E-05	0.00002
595575.45	4129067.06	6.97E-05	8.86E-05	7.63E-05	8.86E-05	0.00002
595604.48	4129067.06	6.54E-05	8.32E-05	7.17E-05	8.32E-05	0.00002
595633.51	4129067.06	6.15E-05	7.83E-05	6.75E-05	7.83E-05	0.00002
595662.54	4129067.06	5.79E-05	7.38E-05	6.36E-05	7.38E-05	0.00001
595691.57	4129067.06	5.45E-05	6.97E-05	6E-05	6.97E-05	0.00001
595720.6	4129067.06	5.15E-05	6.58E-05	5.68E-05	6.58E-05	0.00001
595749.63	4129067.06	4.87E-05	6.24E-05	5.38E-05	6.24E-05	0.00001
595778.66	4129067.06	4.62E-05	5.92E-05	5.11E-05	5.92E-05	0.00001
595807.69	4129067.06	4.38E-05	5.63E-05	4.86E-05	5.63E-05	0.00001
595836.72	4129067.06	4.16E-05	5.35E-05	4.61E-05	5.35E-05	0.00001
595865.75	4129067.06	3.95E-05	5.1E-05	4.4E-05	5.1E-05	0.00001
595894.78	4129067.06	3.77E-05	4.86E-05	4.2E-05	4.86E-05	0.00001
595923.81	4129067.06	3.57E-05	4.62E-05	3.99E-05	4.62E-05	0.00001
595952.84	4129067.06	3.39E-05	4.39E-05	3.79E-05	4.39E-05	0.00001
595981.87	4129067.06	3.26E-05	4.23E-05	3.66E-05	4.23E-05	0.00001
596010.9	4129067.06	3.15E-05	4.1E-05	3.54E-05	4.1E-05	0.00001
596039.93	4129067.06	3.02E-05	3.94E-05	3.4E-05	3.94E-05	0.00001
595459.33	4129086.21	9.33E-05	0.000116	0.0001	0.000116	0.00002
595488.36	4129086.21	8.63E-05	0.000108	9.3E-05	0.000108	0.00002
595517.39	4129086.21	8.02E-05	0.000101	8.68E-05	0.000101	0.00002
595546.42	4129086.21	7.49E-05	9.44E-05	8.13E-05	9.44E-05	0.00002
595575.45	4129086.21	7.01E-05	8.86E-05	7.63E-05	8.86E-05	0.00002
595604.48	4129086.21	6.57E-05	8.32E-05	7.17E-05	8.32E-05	0.00002
595633.51	4129086.21	6.17E-05	7.83E-05	6.74E-05	7.83E-05	0.00002
595662.54	4129086.21	5.8E-05	7.37E-05	6.35E-05	7.37E-05	0.00001
595691.57	4129086.21	5.46E-05	6.96E-05	5.99E-05	6.96E-05	0.00001
595720.6	4129086.21	5.15E-05	6.57E-05	5.66E-05	6.57E-05	0.00001
595749.63	4129086.21	4.87E-05	6.22E-05	5.36E-05	6.22E-05	0.00001

595778.66	4129086.21	4.6E-05	5.89E-05	5.08E-05	5.89E-05	0.00001
595807.69	4129086.21	4.36E-05	5.59E-05	4.82E-05	5.59E-05	0.00001
595836.72	4129086.21	4.13E-05	5.31E-05	4.58E-05	5.31E-05	0.00001
595865.75	4129086.21	3.92E-05	5.04E-05	4.35E-05	5.04E-05	0.00001
595894.78	4129086.21	3.72E-05	4.8E-05	4.14E-05	4.8E-05	0.00001
595923.81	4129086.21	3.54E-05	4.57E-05	3.94E-05	4.57E-05	0.00001
595952.84	4129086.21	3.36E-05	4.34E-05	3.75E-05	4.34E-05	0.00001
595981.87	4129086.21	3.2E-05	4.15E-05	3.58E-05	4.15E-05	0.00001
596010.9	4129086.21	3.07E-05	3.99E-05	3.45E-05	3.99E-05	0.00001
596039.93	4129086.21	2.96E-05	3.85E-05	3.32E-05	3.85E-05	0.00001
595459.33	4129105.36	9.47E-05	0.000117	0.000101	0.000117	0.00002
595488.36	4129105.36	8.73E-05	0.000109	9.34E-05	0.000109	0.00002
595517.39	4129105.36	8.09E-05	0.000101	8.7E-05	0.000101	0.00002
595546.42	4129105.36	7.54E-05	9.46E-05	8.14E-05	9.46E-05	0.00002
595575.45	4129105.36	7.05E-05	8.87E-05	7.63E-05	8.87E-05	0.00002
595604.48	4129105.36	6.6E-05	8.33E-05	7.17E-05	8.33E-05	0.00002
595633.51	4129105.36	6.2E-05	7.84E-05	6.75E-05	7.84E-05	0.00002
595662.54	4129105.36	5.82E-05	7.38E-05	6.36E-05	7.38E-05	0.00001
595691.57	4129105.36	5.48E-05	6.96E-05	5.99E-05	6.96E-05	0.00001
595720.6	4129105.36	5.17E-05	6.57E-05	5.66E-05	6.57E-05	0.00001
595749.63	4129105.36	4.87E-05	6.21E-05	5.35E-05	6.21E-05	0.00001
595778.66	4129105.36	4.6E-05	5.88E-05	5.07E-05	5.88E-05	0.00001
595807.69	4129105.36	4.35E-05	5.57E-05	4.8E-05	5.57E-05	0.00001
595836.72	4129105.36	4.12E-05	5.28E-05	4.55E-05	5.28E-05	0.00001
595865.75	4129105.36	3.9E-05	5E-05	4.32E-05	5E-05	0.00001
595894.78	4129105.36	3.7E-05	4.75E-05	4.1E-05	4.75E-05	0.00001
595923.81	4129105.36	3.51E-05	4.53E-05	3.9E-05	4.53E-05	0.00001
595952.84	4129105.36	3.33E-05	4.3E-05	3.71E-05	4.3E-05	0.00001
595981.87	4129105.36	3.16E-05	4.08E-05	3.52E-05	4.08E-05	0.00001
596010.9	4129105.36	3.01E-05	3.91E-05	3.37E-05	3.91E-05	0.00001
596039.93	4129105.36	2.9E-05	3.76E-05	3.25E-05	3.76E-05	0.00001
595459.33	4129124.51	9.67E-05	0.000119	0.000102	0.000119	0.00002
595488.36	4129124.51	8.86E-05	0.00011	9.41E-05	0.00011	0.00002
595517.39	4129124.51	8.19E-05	0.000102	8.75E-05	0.000102	0.00002
595546.42	4129124.51	7.61E-05	9.5E-05	8.17E-05	9.5E-05	0.00002
595575.45	4129124.51	7.1E-05	8.89E-05	7.65E-05	8.89E-05	0.00002
595604.48	4129124.51	6.65E-05	8.35E-05	7.18E-05	8.35E-05	0.00002
595633.51	4129124.51	6.23E-05	7.85E-05	6.75E-05	7.85E-05	0.00002
595662.54	4129124.51	5.85E-05	7.39E-05	6.36E-05	7.39E-05	0.00001

595691.57	4129124.51	5.51E-05	6.97E-05	6E-05	6.97E-05	0.00001
595720.6	4129124.51	5.19E-05	6.58E-05	5.67E-05	6.58E-05	0.00001
595749.63	4129124.51	4.89E-05	6.22E-05	5.35E-05	6.22E-05	0.00001
595778.66	4129124.51	4.61E-05	5.87E-05	5.06E-05	5.87E-05	0.00001
595807.69	4129124.51	4.35E-05	5.55E-05	4.79E-05	5.55E-05	0.00001
595836.72	4129124.51	4.11E-05	5.26E-05	4.53E-05	5.26E-05	0.00001
595865.75	4129124.51	3.89E-05	4.98E-05	4.3E-05	4.98E-05	0.00001
595894.78	4129124.51	3.68E-05	4.73E-05	4.08E-05	4.73E-05	0.00001
595923.81	4129124.51	3.48E-05	4.49E-05	3.87E-05	4.49E-05	0.00001
595952.84	4129124.51	3.3E-05	4.25E-05	3.67E-05	4.25E-05	0.00001
595981.87	4129124.51	3.12E-05	4.03E-05	3.48E-05	4.03E-05	0.00001
596010.9	4129124.51	2.97E-05	3.85E-05	3.32E-05	3.85E-05	0.00001
596039.93	4129124.51	2.84E-05	3.68E-05	3.18E-05	3.68E-05	0.00001
595249.89	4128695.55	0.00045	0.000618	0.000536	0.000618	0.00012
595290.33	4128695.55	0.000372	0.000509	0.000442	0.000509	0.00010
595330.77	4128695.55	0.000312	0.000427	0.00037	0.000427	0.00009
595371.21	4128695.55	0.000266	0.000363	0.000315	0.000363	0.00007
595411.65	4128695.55	0.000228	0.000311	0.00027	0.000311	0.00006
595452.09	4128695.55	0.000198	0.00027	0.000235	0.00027	0.00005
595249.89	4128726.21	0.000378	0.000516	0.000448	0.000516	0.00010
595290.33	4128726.21	0.000317	0.000432	0.000375	0.000432	0.00009
595330.77	4128726.21	0.000269	0.000367	0.000318	0.000367	0.00007
595371.21	4128726.21	0.000232	0.000316	0.000274	0.000316	0.00006
595411.65	4128726.21	0.000202	0.000275	0.000238	0.000275	0.00005
595452.09	4128726.21	0.000177	0.000241	0.000209	0.000241	0.00005
595249.89	4128756.87	0.000317	0.00043	0.000373	0.00043	0.00009
595290.33	4128756.87	0.000269	0.000366	0.000317	0.000366	0.00007
595330.77	4128756.87	0.000232	0.000315	0.000273	0.000315	0.00006
595371.21	4128756.87	0.000203	0.000275	0.000238	0.000275	0.00005
595411.65	4128756.87	0.000179	0.000242	0.00021	0.000242	0.00005
595452.09	4128756.87	0.000159	0.000215	0.000186	0.000215	0.00004
595249.89	4128787.53	0.000267	0.00036	0.000312	0.00036	0.00007
595290.33	4128787.53	0.000231	0.000311	0.00027	0.000311	0.00006
595330.77	4128787.53	0.000202	0.000272	0.000236	0.000272	0.00005
595371.21	4128787.53	0.000178	0.00024	0.000208	0.00024	0.00005
595411.65	4128787.53	0.000159	0.000213	0.000185	0.000213	0.00004
595452.09	4128787.53	0.000142	0.000191	0.000166	0.000191	0.00004
595249.89	4128818.19	0.000229	0.000307	0.000266	0.000307	0.00006
595290.33	4128818.19	0.0002	0.000268	0.000232	0.000268	0.00005

595330.77	4128818.19	0.000177	0.000237	0.000205	0.000237	0.00005
595371.21	4128818.19	0.000158	0.000211	0.000183	0.000211	0.00004
595411.65	4128818.19	0.000142	0.00019	0.000164	0.00019	0.00004
595452.09	4128818.19	0.000128	0.000171	0.000148	0.000171	0.00003
595249.89	4128848.85	0.000203	0.000269	0.000232	0.000269	0.00005
595290.33	4128848.85	0.000178	0.000236	0.000205	0.000236	0.00005
595330.77	4128848.85	0.000158	0.00021	0.000182	0.00021	0.00004
595371.21	4128848.85	0.000142	0.000188	0.000163	0.000188	0.00004
595411.65	4128848.85	0.000128	0.00017	0.000147	0.00017	0.00003
595452.09	4128848.85	0.000116	0.000154	0.000134	0.000154	0.00003
595249.89	4128879.51	0.000186	0.000243	0.00021	0.000243	0.00005
595290.33	4128879.51	0.000163	0.000214	0.000185	0.000214	0.00004
595330.77	4128879.51	0.000145	0.000191	0.000165	0.000191	0.00004
595371.21	4128879.51	0.00013	0.000171	0.000148	0.000171	0.00003
595411.65	4128879.51	0.000118	0.000155	0.000134	0.000155	0.00003
595452.09	4128879.51	0.000107	0.000141	0.000122	0.000141	0.00003
595249.89	4128910.17	0.000176	0.000228	0.000197	0.000228	0.00005
595290.33	4128910.17	0.000154	0.000201	0.000173	0.000201	0.00004
595330.77	4128910.17	0.000137	0.000178	0.000154	0.000178	0.00004
595371.21	4128910.17	0.000122	0.00016	0.000138	0.00016	0.00003
595411.65	4128910.17	0.00011	0.000144	0.000125	0.000144	0.00003
595452.09	4128910.17	0.0001	0.000131	0.000113	0.000131	0.00003
595249.89	4128940.83	0.000173	0.000221	0.00019	0.000221	0.00004
595290.33	4128940.83	0.00015	0.000193	0.000166	0.000193	0.00004
595330.77	4128940.83	0.000132	0.000171	0.000147	0.000171	0.00003
595371.21	4128940.83	0.000118	0.000153	0.000132	0.000153	0.00003
595411.65	4128940.83	0.000106	0.000137	0.000118	0.000137	0.00003
595452.09	4128940.83	9.58E-05	0.000124	0.000107	0.000124	0.00002
595370.31	4128948.01	0.000118	0.000152	0.000131	0.000152	0.00003
595402.84	4128948.01	0.000108	0.000139	0.00012	0.000139	0.00003
595435.37	4128948.01	9.91E-05	0.000128	0.000111	0.000128	0.00003
595370.31	4128976.76	0.000116	0.000148	0.000128	0.000148	0.00003
595402.84	4128976.76	0.000106	0.000136	0.000117	0.000136	0.00003
595435.37	4128976.76	9.74E-05	0.000125	0.000108	0.000125	0.00003
595370.31	4129005.51	0.000116	0.000147	0.000126	0.000147	0.00003
595402.84	4129005.51	0.000106	0.000134	0.000116	0.000134	0.00003
595435.37	4129005.51	9.69E-05	0.000124	0.000106	0.000124	0.00002
595370.31	4129034.26	0.000118	0.000147	0.000127	0.000147	0.00003
595402.84	4129034.26	0.000106	0.000134	0.000115	0.000134	0.00003

595435.37	4129034.26	9.72E-05	0.000123	0.000106	0.000123	0.00002
595370.31	4129063.01	0.000121	0.00015	0.000129	0.00015	0.00003
595402.84	4129063.01	0.000108	0.000135	0.000116	0.000135	0.00003
595435.37	4129063.01	9.84E-05	0.000123	0.000106	0.000123	0.00002
595370.31	4129091.76	0.000127	0.000155	0.000133	0.000155	0.00003
595402.84	4129091.76	0.000112	0.000138	0.000118	0.000138	0.00003
595435.37	4129091.76	0.000101	0.000125	0.000107	0.000125	0.00002
595548.86	4129154.91	7.71E-05	9.54E-05	8.19E-05	9.54E-05	0.00002
595605.25	4129154.91	6.72E-05	8.38E-05	7.2E-05	8.38E-05	0.00002
595661.64	4129154.91	5.92E-05	7.43E-05	6.39E-05	7.43E-05	0.00001
595718.03	4129154.91	5.25E-05	6.63E-05	5.71E-05	6.63E-05	0.00001
595548.86	4129180.69	7.89E-05	9.68E-05	8.31E-05	9.68E-05	0.00002
595605.25	4129180.69	6.81E-05	8.43E-05	7.25E-05	8.43E-05	0.00002
595661.64	4129180.69	5.98E-05	7.46E-05	6.42E-05	7.46E-05	0.00001
595718.03	4129180.69	5.29E-05	6.64E-05	5.72E-05	6.64E-05	0.00001
595548.86	4129206.47	8.16E-05	9.91E-05	8.5E-05	9.91E-05	0.00002
595605.25	4129206.47	6.94E-05	8.53E-05	7.32E-05	8.53E-05	0.00002
595661.64	4129206.47	6.04E-05	7.49E-05	6.44E-05	7.49E-05	0.00001
595718.03	4129206.47	5.32E-05	6.65E-05	5.72E-05	6.65E-05	0.00001
595548.86	4129232.25	8.53E-05	0.000103	8.79E-05	0.000103	0.00002
595605.25	4129232.25	7.12E-05	8.67E-05	7.44E-05	8.67E-05	0.00002
595661.64	4129232.25	6.12E-05	7.54E-05	6.47E-05	7.54E-05	0.00002
595718.03	4129232.25	5.34E-05	6.65E-05	5.71E-05	6.65E-05	0.00001
595770.66	4129137.18	4.69E-05	5.97E-05	5.14E-05	5.97E-05	0.00001
595794.75	4129137.18	4.47E-05	5.69E-05	4.9E-05	5.69E-05	0.00001
595818.84	4129137.18	4.26E-05	5.43E-05	4.68E-05	5.43E-05	0.00001
595842.93	4129137.18	4.06E-05	5.19E-05	4.47E-05	5.19E-05	0.00001
595867.02	4129137.18	3.87E-05	4.96E-05	4.27E-05	4.96E-05	0.00001
595891.11	4129137.18	3.7E-05	4.74E-05	4.09E-05	4.74E-05	0.00001
595915.2	4129137.18	3.53E-05	4.53E-05	3.91E-05	4.53E-05	0.00001
595939.29	4129137.18	3.37E-05	4.33E-05	3.74E-05	4.33E-05	0.00001
595770.66	4129177.59	4.72E-05	5.97E-05	5.14E-05	5.97E-05	0.00001
595794.75	4129177.59	4.49E-05	5.69E-05	4.9E-05	5.69E-05	0.00001
595818.84	4129177.59	4.27E-05	5.42E-05	4.67E-05	5.42E-05	0.00001
595842.93	4129177.59	4.06E-05	5.17E-05	4.45E-05	5.17E-05	0.00001
595867.02	4129177.59	3.86E-05	4.93E-05	4.25E-05	4.93E-05	0.00001
595891.11	4129177.59	3.67E-05	4.7E-05	4.05E-05	4.7E-05	0.00001
595915.2	4129177.59	3.49E-05	4.48E-05	3.86E-05	4.48E-05	0.00001
595939.29	4129177.59	3.33E-05	4.27E-05	3.69E-05	4.27E-05	0.00001



595770.66	4129218	4.74E-05	5.96E-05	5.12E-05	5.96E-05	0.00001
595794.75	4129218	4.49E-05	5.67E-05	4.88E-05	5.67E-05	0.00001
595818.84	4129218	4.26E-05	5.39E-05	4.64E-05	5.39E-05	0.00001
595842.93	4129218	4.04E-05	5.13E-05	4.42E-05	5.13E-05	0.00001
595867.02	4129218	3.84E-05	4.89E-05	4.21E-05	4.89E-05	0.00001
595891.11	4129218	3.64E-05	4.65E-05	4.01E-05	4.65E-05	0.00001
595915.2	4129218	3.46E-05	4.43E-05	3.82E-05	4.43E-05	0.00001
595939.29	4129218	3.29E-05	4.23E-05	3.64E-05	4.23E-05	0.00001
595770.66	4129258.41	4.72E-05	5.9E-05	5.07E-05	5.9E-05	0.00001
595794.75	4129258.41	4.46E-05	5.6E-05	4.81E-05	5.6E-05	0.00001
595818.84	4129258.41	4.22E-05	5.31E-05	4.57E-05	5.31E-05	0.00001
595842.93	4129258.41	3.99E-05	5.05E-05	4.35E-05	5.05E-05	0.00001
595867.02	4129258.41	3.78E-05	4.8E-05	4.14E-05	4.8E-05	0.00001
595891.11	4129258.41	3.59E-05	4.57E-05	3.94E-05	4.57E-05	0.00001
595915.2	4129258.41	3.41E-05	4.36E-05	3.76E-05	4.36E-05	0.00001
595939.29	4129258.41	3.24E-05	4.15E-05	3.58E-05	4.15E-05	0.00001
595770.66	4129298.82	4.68E-05	5.8E-05	4.99E-05	5.8E-05	0.00001
595794.75	4129298.82	4.39E-05	5.48E-05	4.71E-05	5.48E-05	0.00001
595818.84	4129298.82	4.13E-05	5.18E-05	4.46E-05	5.18E-05	0.00001
595842.93	4129298.82	3.89E-05	4.91E-05	4.23E-05	4.91E-05	0.00001
595867.02	4129298.82	3.68E-05	4.66E-05	4.01E-05	4.66E-05	0.00001
595891.11	4129298.82	3.48E-05	4.43E-05	3.82E-05	4.43E-05	0.00001
595915.2	4129298.82	3.3E-05	4.22E-05	3.64E-05	4.22E-05	0.00001
595939.29	4129298.82	3.14E-05	4.03E-05	3.47E-05	4.03E-05	0.00001
595957.02	4129258.56	3.12E-05	4.01E-05	3.46E-05	4.01E-05	0.00001
596003.21	4129258.56	2.84E-05	3.67E-05	3.17E-05	3.67E-05	0.00001
595957.02	4129289.71	3.05E-05	3.92E-05	3.38E-05	3.92E-05	0.00001
596003.21	4129289.71	2.78E-05	3.6E-05	3.11E-05	3.6E-05	0.00001
595957.02	4129320.86	2.95E-05	3.8E-05	3.28E-05	3.8E-05	0.00001
596003.21	4129320.86	2.7E-05	3.5E-05	3.02E-05	3.5E-05	0.00001
595957.02	4129352.01	2.82E-05	3.64E-05	3.14E-05	3.64E-05	0.00001
596003.21	4129352.01	2.59E-05	3.37E-05	2.91E-05	3.37E-05	0.00001
595780.89	4129328.94	4.48E-05	5.55E-05	4.77E-05	5.55E-05	0.00001
595811.48	4129328.94	4.11E-05	5.13E-05	4.41E-05	5.13E-05	0.00001
595842.07	4129328.94	3.79E-05	4.77E-05	4.1E-05	4.77E-05	0.00001
595872.66	4129328.94	3.52E-05	4.45E-05	3.83E-05	4.45E-05	0.00001
595903.25	4129328.94	3.28E-05	4.18E-05	3.6E-05	4.18E-05	0.00001
595933.84	4129328.94	3.06E-05	3.93E-05	3.39E-05	3.93E-05	0.00001
595780.89	4129353.44	4.41E-05	5.44E-05	4.67E-05	5.44E-05	0.00001

595811.48	4129353.44	4.01E-05	4.99E-05	4.29E-05	4.99E-05	0.00001
595842.07	4129353.44	3.67E-05	4.61E-05	3.97E-05	4.61E-05	0.00001
595872.66	4129353.44	3.39E-05	4.3E-05	3.7E-05	4.3E-05	0.00001
595903.25	4129353.44	3.15E-05	4.02E-05	3.47E-05	4.02E-05	0.00001
595933.84	4129353.44	2.95E-05	3.79E-05	3.27E-05	3.79E-05	0.00001
595780.89	4129377.94	4.31E-05	5.31E-05	4.56E-05	5.31E-05	0.00001
595811.48	4129377.94	3.87E-05	4.82E-05	4.14E-05	4.82E-05	0.00001
595842.07	4129377.94	3.53E-05	4.43E-05	3.81E-05	4.43E-05	0.00001
595872.66	4129377.94	3.24E-05	4.11E-05	3.54E-05	4.11E-05	0.00001
595903.25	4129377.94	3.01E-05	3.85E-05	3.32E-05	3.85E-05	0.00001
595933.84	4129377.94	2.82E-05	3.63E-05	3.13E-05	3.63E-05	0.00001
595780.89	4129402.44	4.17E-05	5.13E-05	4.4E-05	5.13E-05	0.00001
595811.48	4129402.44	3.71E-05	4.61E-05	3.96E-05	4.61E-05	0.00001
595842.07	4129402.44	3.35E-05	4.21E-05	3.62E-05	4.21E-05	0.00001
595872.66	4129402.44	3.07E-05	3.9E-05	3.36E-05	3.9E-05	0.00001
595903.25	4129402.44	2.85E-05	3.65E-05	3.15E-05	3.65E-05	0.00001
595933.84	4129402.44	2.68E-05	3.45E-05	2.98E-05	3.45E-05	0.00001
595780.89	4129426.94	3.97E-05	4.9E-05	4.2E-05	4.9E-05	0.00001
595811.48	4129426.94	3.5E-05	4.36E-05	3.75E-05	4.36E-05	0.00001
595842.07	4129426.94	3.15E-05	3.97E-05	3.42E-05	3.97E-05	0.00001
595872.66	4129426.94	2.88E-05	3.67E-05	3.17E-05	3.67E-05	0.00001
595903.25	4129426.94	2.68E-05	3.45E-05	2.97E-05	3.45E-05	0.00001
595933.84	4129426.94	2.52E-05	3.26E-05	2.82E-05	3.26E-05	0.00001
595780.89	4129451.44	3.71E-05	4.6E-05	3.95E-05	4.6E-05	0.00001
595811.48	4129451.44	3.26E-05	4.09E-05	3.51E-05	4.09E-05	0.00001
595842.07	4129451.44	2.93E-05	3.72E-05	3.2E-05	3.72E-05	0.00001
595872.66	4129451.44	2.69E-05	3.45E-05	2.97E-05	3.45E-05	0.00001
595903.25	4129451.44	2.51E-05	3.24E-05	2.8E-05	3.24E-05	0.00001
595933.84	4129451.44	2.37E-05	3.08E-05	2.66E-05	3.08E-05	0.00001
595780.89	4129475.94	3.41E-05	4.25E-05	3.66E-05	4.25E-05	0.00001
595811.48	4129475.94	3.01E-05	3.8E-05	3.27E-05	3.8E-05	0.00001
595842.07	4129475.94	2.72E-05	3.47E-05	2.99E-05	3.47E-05	0.00001
595872.66	4129475.94	2.51E-05	3.23E-05	2.79E-05	3.23E-05	0.00001
595903.25	4129475.94	2.35E-05	3.05E-05	2.63E-05	3.05E-05	0.00001
595933.84	4129475.94	2.23E-05	2.91E-05	2.51E-05	2.91E-05	0.00001
595642.77	4129286.53	6.79E-05	8.2E-05	7.03E-05	8.2E-05	0.00002
595677.31	4129286.53	6.09E-05	7.41E-05	6.35E-05	7.41E-05	0.00001
595711.85	4129286.53	5.5E-05	6.75E-05	5.79E-05	6.75E-05	0.00001
595746.39	4129286.53	5E-05	6.19E-05	5.31E-05	6.19E-05	0.00001

595642.77	4129336.29	7.4E-05	8.81E-05	7.53E-05	8.81E-05	0.00002
595677.31	4129336.29	6.41E-05	7.7E-05	6.59E-05	7.7E-05	0.00002
595711.85	4129336.29	5.62E-05	6.82E-05	5.84E-05	6.82E-05	0.00001
595746.39	4129336.29	4.98E-05	6.1E-05	5.24E-05	6.1E-05	0.00001
595642.77	4129386.05	8.4E-05	9.86E-05	8.42E-05	9.86E-05	0.00002
595677.31	4129386.05	6.9E-05	8.19E-05	7E-05	8.19E-05	0.00002
595711.85	4129386.05	5.77E-05	6.93E-05	5.93E-05	6.93E-05	0.00001
595746.39	4129386.05	4.92E-05	5.98E-05	5.13E-05	5.98E-05	0.00001
595642.77	4129435.81	9.96E-05	0.000115	9.84E-05	0.000115	0.00002
595677.31	4129435.81	7.45E-05	8.76E-05	7.48E-05	8.76E-05	0.00002
595711.85	4129435.81	5.77E-05	6.9E-05	5.9E-05	6.9E-05	0.00001
595746.39	4129435.81	4.64E-05	5.64E-05	4.84E-05	5.64E-05	0.00001
595642.77	4129485.57	0.000117	0.000135	0.000115	0.000135	0.00003
595677.31	4129485.57	7.09E-05	8.36E-05	7.14E-05	8.36E-05	0.00002
595711.85	4129485.57	5E-05	6.05E-05	5.18E-05	6.05E-05	0.00001
595746.39	4129485.57	3.92E-05	4.83E-05	4.15E-05	4.83E-05	0.00001
595788.1	4129524.74	2.77E-05	3.53E-05	3.05E-05	3.53E-05	0.00001
595814.56	4129524.74	2.55E-05	3.28E-05	2.83E-05	3.28E-05	0.00001
595841.02	4129524.74	2.38E-05	3.08E-05	2.66E-05	3.08E-05	0.00001
595867.48	4129524.74	2.24E-05	2.91E-05	2.52E-05	2.91E-05	0.00001
595893.94	4129524.74	2.13E-05	2.78E-05	2.4E-05	2.78E-05	0.00001
595920.4	4129524.74	2.04E-05	2.67E-05	2.31E-05	2.67E-05	0.00001
595946.86	4129524.74	1.96E-05	2.58E-05	2.23E-05	2.58E-05	0.00001
595973.32	4129524.74	1.9E-05	2.5E-05	2.16E-05	2.5E-05	0.00000
595999.78	4129524.74	1.84E-05	2.43E-05	2.1E-05	2.43E-05	0.00000
595788.1	4129556.46	2.54E-05	3.28E-05	2.83E-05	3.28E-05	0.00001
595814.56	4129556.46	2.37E-05	3.07E-05	2.65E-05	3.07E-05	0.00001
595841.02	4129556.46	2.23E-05	2.9E-05	2.51E-05	2.9E-05	0.00001
595867.48	4129556.46	2.11E-05	2.75E-05	2.38E-05	2.75E-05	0.00001
595893.94	4129556.46	2.01E-05	2.63E-05	2.27E-05	2.63E-05	0.00001
595920.4	4129556.46	1.92E-05	2.53E-05	2.18E-05	2.53E-05	0.00001
595946.86	4129556.46	1.85E-05	2.44E-05	2.11E-05	2.44E-05	0.00000
595973.32	4129556.46	1.79E-05	2.36E-05	2.04E-05	2.36E-05	0.00000
595999.78	4129556.46	1.74E-05	2.3E-05	1.99E-05	2.3E-05	0.00000
595788.1	4129588.18	2.39E-05	3.12E-05	2.69E-05	3.12E-05	0.00001
595814.56	4129588.18	2.25E-05	2.94E-05	2.54E-05	2.94E-05	0.00001
595841.02	4129588.18	2.12E-05	2.78E-05	2.41E-05	2.78E-05	0.00001
595867.48	4129588.18	2.01E-05	2.65E-05	2.29E-05	2.65E-05	0.00001
595893.94	4129588.18	1.92E-05	2.53E-05	2.18E-05	2.53E-05	0.00001

595920.4	4129588.18	1.84E-05	2.42E-05	2.1E-05	2.42E-05	0.00000
595946.86	4129588.18	1.76E-05	2.33E-05	2.02E-05	2.33E-05	0.00000
595973.32	4129588.18	1.7E-05	2.26E-05	1.95E-05	2.26E-05	0.00000
595999.78	4129588.18	1.65E-05	2.19E-05	1.9E-05	2.19E-05	0.00000
595788.1	4129619.9	2.29E-05	3.01E-05	2.6E-05	3.01E-05	0.00001
595814.56	4129619.9	2.17E-05	2.85E-05	2.46E-05	2.85E-05	0.00001
595841.02	4129619.9	2.05E-05	2.7E-05	2.34E-05	2.7E-05	0.00001
595867.48	4129619.9	1.95E-05	2.57E-05	2.23E-05	2.57E-05	0.00001
595893.94	4129619.9	1.86E-05	2.46E-05	2.13E-05	2.46E-05	0.00000
595920.4	4129619.9	1.78E-05	2.35E-05	2.04E-05	2.35E-05	0.00000
595946.86	4129619.9	1.71E-05	2.26E-05	1.96E-05	2.26E-05	0.00000
595973.32	4129619.9	1.64E-05	2.18E-05	1.89E-05	2.18E-05	0.00000
595999.78	4129619.9	1.59E-05	2.11E-05	1.83E-05	2.11E-05	0.00000
595788.1	4129651.62	2.21E-05	2.91E-05	2.52E-05	2.91E-05	0.00001
595814.56	4129651.62	2.1E-05	2.77E-05	2.4E-05	2.77E-05	0.00001
595841.02	4129651.62	2E-05	2.64E-05	2.29E-05	2.64E-05	0.00001
595867.48	4129651.62	1.9E-05	2.52E-05	2.18E-05	2.52E-05	0.00001
595893.94	4129651.62	1.82E-05	2.41E-05	2.08E-05	2.41E-05	0.00000
595920.4	4129651.62	1.74E-05	2.31E-05	2E-05	2.31E-05	0.00000
595946.86	4129651.62	1.66E-05	2.21E-05	1.91E-05	2.21E-05	0.00000
595973.32	4129651.62	1.6E-05	2.13E-05	1.84E-05	2.13E-05	0.00000
595999.78	4129651.62	1.54E-05	2.06E-05	1.78E-05	2.06E-05	0.00000
595788.1	4129683.34	2.14E-05	2.83E-05	2.45E-05	2.83E-05	0.00001
595814.56	4129683.34	2.05E-05	2.71E-05	2.34E-05	2.71E-05	0.00001
595841.02	4129683.34	1.95E-05	2.59E-05	2.24E-05	2.59E-05	0.00001
595867.48	4129683.34	1.87E-05	2.48E-05	2.14E-05	2.48E-05	0.00000
595893.94	4129683.34	1.78E-05	2.37E-05	2.05E-05	2.37E-05	0.00000
595920.4	4129683.34	1.71E-05	2.27E-05	1.97E-05	2.27E-05	0.00000
595946.86	4129683.34	1.64E-05	2.18E-05	1.89E-05	2.18E-05	0.00000
595973.32	4129683.34	1.57E-05	2.09E-05	1.81E-05	2.09E-05	0.00000
595999.78	4129683.34	1.51E-05	2.02E-05	1.75E-05	2.02E-05	0.00000
593920.79	4128960.54	0.000143	0.000197	0.000171	0.000197	0.00004
593955.22	4128960.54	0.000156	0.000215	0.000187	0.000215	0.00004
593989.65	4128960.54	0.000171	0.000236	0.000205	0.000236	0.00005
594024.08	4128960.54	0.000188	0.000259	0.000225	0.000259	0.00005
594058.51	4128960.54	0.000207	0.000285	0.000248	0.000285	0.00006
594092.94	4128960.54	0.000228	0.000315	0.000273	0.000315	0.00006
594127.37	4128960.54	0.000252	0.000348	0.000303	0.000348	0.00007
594161.8	4128960.54	0.00028	0.000387	0.000336	0.000387	0.00008

594196.23	4128960.54	0.000311	0.00043	0.000374	0.00043	0.00009
594230.66	4128960.54	0.000347	0.00048	0.000417	0.00048	0.00010
594265.09	4128960.54	0.000388	0.000536	0.000466	0.000536	0.00011
594299.52	4128960.54	0.000433	0.000599	0.000521	0.000599	0.00012
593920.79	4128979.2	0.000146	0.000201	0.000175	0.000201	0.00004
593955.22	4128979.2	0.000159	0.000219	0.000191	0.000219	0.00004
593989.65	4128979.2	0.000174	0.00024	0.000208	0.00024	0.00005
594024.08	4128979.2	0.00019	0.000263	0.000228	0.000263	0.00005
594058.51	4128979.2	0.000209	0.000288	0.000251	0.000288	0.00006
594092.94	4128979.2	0.00023	0.000317	0.000276	0.000317	0.00006
594127.37	4128979.2	0.000254	0.00035	0.000304	0.00035	0.00007
594161.8	4128979.2	0.00028	0.000387	0.000337	0.000387	0.00008
594196.23	4128979.2	0.00031	0.000429	0.000373	0.000429	0.00009
594230.66	4128979.2	0.000344	0.000476	0.000413	0.000476	0.00010
594265.09	4128979.2	0.000382	0.000528	0.000459	0.000528	0.00011
594299.52	4128979.2	0.000424	0.000587	0.00051	0.000587	0.00012
593920.79	4128997.86	0.000148	0.000205	0.000178	0.000205	0.00004
593955.22	4128997.86	0.000161	0.000223	0.000193	0.000223	0.00004
593989.65	4128997.86	0.000176	0.000243	0.000211	0.000243	0.00005
594024.08	4128997.86	0.000192	0.000265	0.000231	0.000265	0.00005
594058.51	4128997.86	0.000211	0.000291	0.000252	0.000291	0.00006
594092.94	4128997.86	0.000231	0.000319	0.000277	0.000319	0.00006
594127.37	4128997.86	0.000254	0.000351	0.000305	0.000351	0.00007
594161.8	4128997.86	0.000279	0.000386	0.000335	0.000386	0.00008
594196.23	4128997.86	0.000308	0.000426	0.00037	0.000426	0.00009
594230.66	4128997.86	0.00034	0.00047	0.000408	0.00047	0.00009
594265.09	4128997.86	0.000375	0.000518	0.00045	0.000518	0.00010
594299.52	4128997.86	0.000413	0.000571	0.000497	0.000571	0.00011
593920.79	4129016.52	0.00015	0.000208	0.00018	0.000208	0.00004
593955.22	4129016.52	0.000163	0.000225	0.000196	0.000225	0.00005
593989.65	4129016.52	0.000178	0.000245	0.000213	0.000245	0.00005
594024.08	4129016.52	0.000194	0.000267	0.000232	0.000267	0.00005
594058.51	4129016.52	0.000211	0.000292	0.000253	0.000292	0.00006
594092.94	4129016.52	0.000231	0.000319	0.000277	0.000319	0.00006
594127.37	4129016.52	0.000253	0.000349	0.000304	0.000349	0.00007
594161.8	4129016.52	0.000277	0.000383	0.000333	0.000383	0.00008
594196.23	4129016.52	0.000304	0.00042	0.000365	0.00042	0.00008
594230.66	4129016.52	0.000334	0.000461	0.000401	0.000461	0.00009
594265.09	4129016.52	0.000366	0.000506	0.00044	0.000506	0.00010

594299.52	4129016.52	0.000401	0.000554	0.000481	0.000554	0.00011
593920.79	4129035.18	0.000152	0.00021	0.000182	0.00021	0.00004
593955.22	4129035.18	0.000165	0.000227	0.000197	0.000227	0.00005
593989.65	4129035.18	0.000179	0.000247	0.000214	0.000247	0.00005
594024.08	4129035.18	0.000194	0.000268	0.000233	0.000268	0.00005
594058.51	4129035.18	0.000211	0.000292	0.000254	0.000292	0.00006
594092.94	4129035.18	0.00023	0.000318	0.000276	0.000318	0.00006
594127.37	4129035.18	0.000251	0.000347	0.000302	0.000347	0.00007
594161.8	4129035.18	0.000274	0.000379	0.000329	0.000379	0.00008
594196.23	4129035.18	0.000299	0.000414	0.000359	0.000414	0.00008
594230.66	4129035.18	0.000327	0.000451	0.000392	0.000451	0.00009
594265.09	4129035.18	0.000356	0.000492	0.000427	0.000492	0.00010
594299.52	4129035.18	0.000387	0.000535	0.000465	0.000535	0.00011
593920.79	4129053.84	0.000153	0.000211	0.000184	0.000211	0.00004
593955.22	4129053.84	0.000166	0.000228	0.000198	0.000228	0.00005
593989.65	4129053.84	0.000179	0.000247	0.000215	0.000247	0.00005
594024.08	4129053.84	0.000194	0.000268	0.000233	0.000268	0.00005
594058.51	4129053.84	0.000211	0.000291	0.000253	0.000291	0.00006
594092.94	4129053.84	0.000229	0.000316	0.000274	0.000316	0.00006
594127.37	4129053.84	0.000248	0.000343	0.000298	0.000343	0.00007
594161.8	4129053.84	0.00027	0.000373	0.000324	0.000373	0.00007
594196.23	4129053.84	0.000293	0.000405	0.000352	0.000405	0.00008
594230.66	4129053.84	0.000318	0.00044	0.000382	0.00044	0.00009
594265.09	4129053.84	0.000345	0.000477	0.000414	0.000477	0.00010
594299.52	4129053.84	0.000372	0.000515	0.000447	0.000515	0.00010
593920.79	4129072.5	0.000154	0.000212	0.000184	0.000212	0.00004
593955.22	4129072.5	0.000166	0.000229	0.000199	0.000229	0.00005
593989.65	4129072.5	0.000179	0.000247	0.000215	0.000247	0.00005
594024.08	4129072.5	0.000194	0.000267	0.000232	0.000267	0.00005
594058.51	4129072.5	0.000209	0.000289	0.000251	0.000289	0.00006
594092.94	4129072.5	0.000226	0.000313	0.000272	0.000313	0.00006
594127.37	4129072.5	0.000245	0.000339	0.000294	0.000339	0.00007
594161.8	4129072.5	0.000265	0.000366	0.000318	0.000366	0.00007
594196.23	4129072.5	0.000287	0.000396	0.000344	0.000396	0.00008
594230.66	4129072.5	0.000309	0.000428	0.000372	0.000428	0.00009
594265.09	4129072.5	0.000333	0.00046	0.0004	0.00046	0.00009
594299.52	4129072.5	0.000357	0.000494	0.000429	0.000494	0.00010
593920.79	4129091.16	0.000154	0.000213	0.000185	0.000213	0.00004
593955.22	4129091.16	0.000166	0.000229	0.000199	0.000229	0.00005

593989.65	4129091.16	0.000178	0.000246	0.000214	0.000246	0.00005
594024.08	4129091.16	0.000192	0.000266	0.000231	0.000266	0.00005
594058.51	4129091.16	0.000207	0.000286	0.000249	0.000286	0.00006
594092.94	4129091.16	0.000223	0.000309	0.000268	0.000309	0.00006
594127.37	4129091.16	0.000241	0.000333	0.000289	0.000333	0.00007
594161.8	4129091.16	0.00026	0.000359	0.000312	0.000359	0.00007
594196.23	4129091.16	0.000279	0.000386	0.000335	0.000386	0.00008
594230.66	4129091.16	0.0003	0.000414	0.00036	0.000414	0.00008
594265.09	4129091.16	0.000321	0.000443	0.000385	0.000443	0.00009
594299.52	4129091.16	0.000342	0.000472	0.00041	0.000472	0.00009
593920.79	4129109.82	0.000154	0.000213	0.000185	0.000213	0.00004
593955.22	4129109.82	0.000165	0.000228	0.000198	0.000228	0.00005
593989.65	4129109.82	0.000177	0.000245	0.000213	0.000245	0.00005
594024.08	4129109.82	0.000191	0.000263	0.000229	0.000263	0.00005
594058.51	4129109.82	0.000205	0.000283	0.000246	0.000283	0.00006
594092.94	4129109.82	0.00022	0.000304	0.000264	0.000304	0.00006
594127.37	4129109.82	0.000236	0.000326	0.000284	0.000326	0.00007
594161.8	4129109.82	0.000253	0.00035	0.000304	0.00035	0.00007
594196.23	4129109.82	0.000271	0.000375	0.000326	0.000375	0.00007
594230.66	4129109.82	0.00029	0.0004	0.000348	0.0004	0.00008
594265.09	4129109.82	0.000308	0.000426	0.00037	0.000426	0.00009
594299.52	4129109.82	0.000326	0.000451	0.000392	0.000451	0.00009
593920.79	4129128.48	0.000154	0.000212	0.000184	0.000212	0.00004
593955.22	4129128.48	0.000164	0.000227	0.000197	0.000227	0.00005
593989.65	4129128.48	0.000176	0.000243	0.000211	0.000243	0.00005
594024.08	4129128.48	0.000188	0.00026	0.000226	0.00026	0.00005
594058.51	4129128.48	0.000202	0.000279	0.000242	0.000279	0.00006
594092.94	4129128.48	0.000216	0.000298	0.000259	0.000298	0.00006
594127.37	4129128.48	0.000231	0.000319	0.000277	0.000319	0.00006
594161.8	4129128.48	0.000247	0.000341	0.000296	0.000341	0.00007
594196.23	4129128.48	0.000263	0.000363	0.000316	0.000363	0.00007
594230.66	4129128.48	0.000279	0.000386	0.000335	0.000386	0.00008
594265.09	4129128.48	0.000295	0.000408	0.000355	0.000408	0.00008
594299.52	4129128.48	0.000311	0.000429	0.000373	0.000429	0.00009
594246.14	4128630.32	0.000179	0.000246	0.000213	0.000246	0.00005
594272.5	4128630.32	0.000197	0.00027	0.000235	0.00027	0.00005
594298.86	4128630.32	0.000218	0.000299	0.00026	0.000299	0.00006
594325.22	4128630.32	0.000243	0.000333	0.000289	0.000333	0.00007
594351.58	4128630.32	0.000272	0.000374	0.000325	0.000374	0.00007

594377.94	4128630.32	0.000308	0.000423	0.000367	0.000423	0.00008
594404.3	4128630.32	0.000352	0.000483	0.00042	0.000483	0.00010
594430.66	4128630.32	0.000406	0.000558	0.000485	0.000558	0.00011
594246.14	4128664.43	0.000205	0.000281	0.000244	0.000281	0.00006
594272.5	4128664.43	0.000227	0.000311	0.00027	0.000311	0.00006
594298.86	4128664.43	0.000252	0.000347	0.000301	0.000347	0.00007
594325.22	4128664.43	0.000283	0.000389	0.000338	0.000389	0.00008
594351.58	4128664.43	0.00032	0.000441	0.000383	0.000441	0.00009
594377.94	4128664.43	0.000366	0.000503	0.000437	0.000503	0.00010
594404.3	4128664.43	0.000421	0.00058	0.000504	0.00058	0.00012
594430.66	4128664.43	0.000492	0.000678	0.000589	0.000678	0.00014
594246.14	4128698.54	0.000232	0.000319	0.000277	0.000319	0.00006
594272.5	4128698.54	0.000258	0.000356	0.000309	0.000356	0.00007
594298.86	4128698.54	0.000289	0.000398	0.000346	0.000398	0.00008
594325.22	4128698.54	0.000327	0.00045	0.000391	0.00045	0.00009
594351.58	4128698.54	0.000372	0.000513	0.000446	0.000513	0.00010
594377.94	4128698.54	0.000427	0.000589	0.000512	0.000589	0.00012
594404.3	4128698.54	0.000495	0.000683	0.000594	0.000683	0.00014
594430.66	4128698.54	0.000581	0.000802	0.000697	0.000802	0.00016
594246.14	4128732.65	0.00026	0.000359	0.000312	0.000359	0.00007
594272.5	4128732.65	0.000291	0.000401	0.000348	0.000401	0.00008
594298.86	4128732.65	0.000327	0.000451	0.000392	0.000451	0.00009
594325.22	4128732.65	0.000371	0.000511	0.000444	0.000511	0.00010
594351.58	4128732.65	0.000423	0.000584	0.000507	0.000584	0.00012
594377.94	4128732.65	0.000487	0.000673	0.000585	0.000673	0.00013
594404.3	4128732.65	0.000566	0.000782	0.000679	0.000782	0.00016
594430.66	4128732.65	0.000664	0.000918	0.000797	0.000918	0.00018
594246.14	4128766.76	0.000289	0.000398	0.000346	0.000398	0.00008
594272.5	4128766.76	0.000323	0.000446	0.000387	0.000446	0.00009
594298.86	4128766.76	0.000364	0.000502	0.000436	0.000502	0.00010
594325.22	4128766.76	0.000412	0.000569	0.000494	0.000569	0.00011
594351.58	4128766.76	0.000471	0.00065	0.000565	0.00065	0.00013
594377.94	4128766.76	0.000541	0.000748	0.00065	0.000748	0.00015
594404.3	4128766.76	0.000627	0.000867	0.000753	0.000867	0.00017
594430.66	4128766.76	0.000733	0.001014	0.000881	0.001014	0.00020
594246.14	4128800.87	0.000315	0.000434	0.000377	0.000434	0.00009
594272.5	4128800.87	0.000352	0.000486	0.000422	0.000486	0.00010
594298.86	4128800.87	0.000396	0.000547	0.000475	0.000547	0.00011
594325.22	4128800.87	0.000448	0.000618	0.000537	0.000618	0.00012



594351.58	4128800.87	0.000509	0.000704	0.000612	0.000704	0.00014
594377.94	4128800.87	0.000583	0.000806	0.0007	0.000806	0.00016
594404.3	4128800.87	0.000672	0.00093	0.000808	0.00093	0.00019
594430.66	4128800.87	0.000781	0.00108	0.000938	0.00108	0.00022
594246.14	4128834.98	0.000337	0.000465	0.000404	0.000465	0.00009
594272.5	4128834.98	0.000376	0.000519	0.000451	0.000519	0.00010
594298.86	4128834.98	0.000421	0.000582	0.000506	0.000582	0.00012
594325.22	4128834.98	0.000474	0.000655	0.000569	0.000655	0.00013
594351.58	4128834.98	0.000536	0.000742	0.000644	0.000742	0.00015
594377.94	4128834.98	0.00061	0.000844	0.000733	0.000844	0.00017
594404.3	4128834.98	0.000697	0.000964	0.000838	0.000964	0.00019
594430.66	4128834.98	0.000801	0.001109	0.000964	0.001109	0.00022
594246.14	4128869.09	0.000354	0.000489	0.000425	0.000489	0.00010
594272.5	4128869.09	0.000393	0.000543	0.000472	0.000543	0.00011
594298.86	4128869.09	0.000438	0.000605	0.000526	0.000605	0.00012
594325.22	4128869.09	0.000489	0.000677	0.000588	0.000677	0.00014
594351.58	4128869.09	0.000549	0.00076	0.00066	0.00076	0.00015
594377.94	4128869.09	0.000618	0.000856	0.000744	0.000856	0.00017
594404.3	4128869.09	0.000699	0.000967	0.00084	0.000967	0.00019
594430.66	4128869.09	0.000792	0.001097	0.000953	0.001097	0.00022
594246.14	4128903.2	0.000364	0.000503	0.000437	0.000503	0.00010
594272.5	4128903.2	0.000402	0.000555	0.000482	0.000555	0.00011
594298.86	4128903.2	0.000444	0.000614	0.000534	0.000614	0.00012
594325.22	4128903.2	0.000492	0.000681	0.000592	0.000681	0.00014
594351.58	4128903.2	0.000547	0.000757	0.000657	0.000757	0.00015
594377.94	4128903.2	0.000609	0.000842	0.000732	0.000842	0.00017
594404.3	4128903.2	0.000678	0.000939	0.000816	0.000939	0.00019
594430.66	4128903.2	0.000756	0.001047	0.00091	0.001047	0.00021
594246.14	4128937.31	0.000367	0.000507	0.000441	0.000507	0.00010
594272.5	4128937.31	0.000402	0.000555	0.000482	0.000555	0.00011
594298.86	4128937.31	0.00044	0.000609	0.000529	0.000609	0.00012
594325.22	4128937.31	0.000483	0.000668	0.000581	0.000668	0.00013
594351.58	4128937.31	0.000531	0.000734	0.000638	0.000734	0.00015
594377.94	4128937.31	0.000583	0.000806	0.000701	0.000806	0.00016
594404.3	4128937.31	0.000639	0.000885	0.000769	0.000885	0.00018
594430.66	4128937.31	0.000701	0.00097	0.000843	0.00097	0.00019
594242.73	4128487.55	0.000104	0.00014	0.000122	0.00014	0.00003
594265.81	4128487.55	0.000109	0.000148	0.000128	0.000148	0.00003
594288.89	4128487.55	0.000115	0.000156	0.000135	0.000156	0.00003

594311.97	4128487.55	0.000122	0.000165	0.000143	0.000165	0.00003
594335.05	4128487.55	0.000129	0.000175	0.000152	0.000175	0.00003
594358.13	4128487.55	0.000137	0.000186	0.000161	0.000186	0.00004
594381.21	4128487.55	0.000146	0.000197	0.000171	0.000197	0.00004
594404.29	4128487.55	0.000155	0.00021	0.000182	0.00021	0.00004
594427.37	4128487.55	0.000166	0.000224	0.000194	0.000224	0.00004
594450.45	4128487.55	0.000177	0.00024	0.000208	0.00024	0.00005
594473.53	4128487.55	0.000191	0.000258	0.000224	0.000258	0.00005
594242.73	4128510.84	0.000113	0.000153	0.000133	0.000153	0.00003
594265.81	4128510.84	0.000119	0.000162	0.00014	0.000162	0.00003
594288.89	4128510.84	0.000126	0.000172	0.000149	0.000172	0.00003
594311.97	4128510.84	0.000134	0.000182	0.000158	0.000182	0.00004
594335.05	4128510.84	0.000143	0.000195	0.000169	0.000195	0.00004
594358.13	4128510.84	0.000153	0.000208	0.00018	0.000208	0.00004
594381.21	4128510.84	0.000164	0.000223	0.000193	0.000223	0.00004
594404.29	4128510.84	0.000176	0.000239	0.000208	0.000239	0.00005
594427.37	4128510.84	0.00019	0.000258	0.000224	0.000258	0.00005
594450.45	4128510.84	0.000206	0.000279	0.000242	0.000279	0.00006
594473.53	4128510.84	0.000224	0.000304	0.000264	0.000304	0.00006
594242.73	4128534.13	0.000123	0.000167	0.000145	0.000167	0.00003
594265.81	4128534.13	0.00013	0.000177	0.000154	0.000177	0.00004
594288.89	4128534.13	0.000139	0.000189	0.000164	0.000189	0.00004
594311.97	4128534.13	0.000149	0.000203	0.000176	0.000203	0.00004
594335.05	4128534.13	0.00016	0.000217	0.000189	0.000217	0.00004
594358.13	4128534.13	0.000172	0.000234	0.000203	0.000234	0.00005
594381.21	4128534.13	0.000186	0.000253	0.000219	0.000253	0.00005
594404.29	4128534.13	0.000201	0.000274	0.000238	0.000274	0.00005
594427.37	4128534.13	0.000219	0.000299	0.000259	0.000299	0.00006
594450.45	4128534.13	0.00024	0.000327	0.000284	0.000327	0.00007
594473.53	4128534.13	0.000265	0.000361	0.000313	0.000361	0.00007
594242.73	4128557.42	0.000134	0.000182	0.000158	0.000182	0.00004
594265.81	4128557.42	0.000143	0.000195	0.000169	0.000195	0.00004
594288.89	4128557.42	0.000153	0.000209	0.000181	0.000209	0.00004
594311.97	4128557.42	0.000165	0.000225	0.000195	0.000225	0.00005
594335.05	4128557.42	0.000178	0.000243	0.000211	0.000243	0.00005
594358.13	4128557.42	0.000193	0.000264	0.000229	0.000264	0.00005
594381.21	4128557.42	0.00021	0.000287	0.000249	0.000287	0.00006
594404.29	4128557.42	0.00023	0.000314	0.000273	0.000314	0.00006
594427.37	4128557.42	0.000253	0.000346	0.000301	0.000346	0.00007

594450.45	4128557.42	0.000281	0.000385	0.000334	0.000385	0.00008
594473.53	4128557.42	0.000314	0.00043	0.000373	0.00043	0.00009
594242.73	4128580.71	0.000146	0.000199	0.000173	0.000199	0.00004
594265.81	4128580.71	0.000157	0.000214	0.000186	0.000214	0.00004
594288.89	4128580.71	0.000169	0.000231	0.000201	0.000231	0.00005
594311.97	4128580.71	0.000183	0.00025	0.000217	0.00025	0.00005
594335.05	4128580.71	0.000199	0.000272	0.000236	0.000272	0.00005
594358.13	4128580.71	0.000218	0.000298	0.000258	0.000298	0.00006
594381.21	4128580.71	0.000239	0.000327	0.000284	0.000327	0.00007
594404.29	4128580.71	0.000264	0.000361	0.000314	0.000361	0.00007
594427.37	4128580.71	0.000294	0.000402	0.000349	0.000402	0.00008
594450.45	4128580.71	0.00033	0.000452	0.000392	0.000452	0.00009
594473.53	4128580.71	0.000374	0.000513	0.000445	0.000513	0.00010
594276.7	4128388.72	8.04E-05	0.000107	9.24E-05	0.000107	0.00002
594305.04	4128388.72	8.37E-05	0.000111	9.62E-05	0.000111	0.00002
594333.38	4128388.72	8.72E-05	0.000116	0.0001	0.000116	0.00002
594361.72	4128388.72	9.09E-05	0.000121	0.000104	0.000121	0.00002
594390.06	4128388.72	9.49E-05	0.000126	0.000109	0.000126	0.00003
594418.4	4128388.72	9.91E-05	0.000131	0.000114	0.000131	0.00003
594276.7	4128417	8.78E-05	0.000117	0.000102	0.000117	0.00002
594305.04	4128417	9.2E-05	0.000123	0.000106	0.000123	0.00002
594333.38	4128417	9.65E-05	0.000129	0.000112	0.000129	0.00003
594361.72	4128417	0.000101	0.000135	0.000117	0.000135	0.00003
594390.06	4128417	0.000107	0.000142	0.000123	0.000142	0.00003
594418.4	4128417	0.000112	0.00015	0.00013	0.00015	0.00003
594276.7	4128445.28	9.64E-05	0.00013	0.000112	0.00013	0.00003
594305.04	4128445.28	0.000102	0.000137	0.000119	0.000137	0.00003
594333.38	4128445.28	0.000108	0.000145	0.000125	0.000145	0.00003
594361.72	4128445.28	0.000114	0.000153	0.000133	0.000153	0.00003
594390.06	4128445.28	0.000121	0.000163	0.000141	0.000163	0.00003
594418.4	4128445.28	0.000129	0.000173	0.00015	0.000173	0.00003
594276.7	4128473.56	0.000107	0.000144	0.000125	0.000144	0.00003
594305.04	4128473.56	0.000113	0.000153	0.000133	0.000153	0.00003
594333.38	4128473.56	0.000121	0.000163	0.000142	0.000163	0.00003
594361.72	4128473.56	0.00013	0.000175	0.000152	0.000175	0.00004
594390.06	4128473.56	0.000139	0.000188	0.000163	0.000188	0.00004
594418.4	4128473.56	0.00015	0.000202	0.000175	0.000202	0.00004
594019.56	4128351.99	5.23E-05	6.9E-05	5.97E-05	6.9E-05	0.00001
594057.87	4128351.99	5.52E-05	7.27E-05	6.29E-05	7.27E-05	0.00001

594096.18	4128351.99	5.81E-05	7.65E-05	6.61E-05	7.65E-05	0.00002
594134.49	4128351.99	6.11E-05	8.04E-05	6.95E-05	8.04E-05	0.00002
594172.8	4128351.99	6.41E-05	8.43E-05	7.29E-05	8.43E-05	0.00002
594211.11	4128351.99	6.71E-05	8.82E-05	7.63E-05	8.82E-05	0.00002
594019.56	4128372.85	5.39E-05	7.14E-05	6.18E-05	7.14E-05	0.00001
594057.87	4128372.85	5.69E-05	7.54E-05	6.52E-05	7.54E-05	0.00002
594096.18	4128372.85	6.01E-05	7.96E-05	6.88E-05	7.96E-05	0.00002
594134.49	4128372.85	6.34E-05	8.39E-05	7.26E-05	8.39E-05	0.00002
594172.8	4128372.85	6.68E-05	8.84E-05	7.65E-05	8.84E-05	0.00002
594211.11	4128372.85	7.03E-05	9.3E-05	8.05E-05	9.3E-05	0.00002
594019.56	4128393.71	5.56E-05	7.39E-05	6.4E-05	7.39E-05	0.00001
594057.87	4128393.71	5.89E-05	7.83E-05	6.78E-05	7.83E-05	0.00002
594096.18	4128393.71	6.24E-05	8.3E-05	7.18E-05	8.3E-05	0.00002
594134.49	4128393.71	6.61E-05	8.79E-05	7.61E-05	8.79E-05	0.00002
594172.8	4128393.71	7E-05	9.3E-05	8.05E-05	9.3E-05	0.00002
594211.11	4128393.71	7.4E-05	9.84E-05	8.52E-05	9.84E-05	0.00002
594019.56	4128414.57	5.75E-05	7.68E-05	6.65E-05	7.68E-05	0.00002
594057.87	4128414.57	6.11E-05	8.16E-05	7.06E-05	8.16E-05	0.00002
594096.18	4128414.57	6.5E-05	8.68E-05	7.51E-05	8.68E-05	0.00002
594134.49	4128414.57	6.91E-05	9.23E-05	7.99E-05	9.23E-05	0.00002
594172.8	4128414.57	7.35E-05	9.81E-05	8.5E-05	9.81E-05	0.00002
594211.11	4128414.57	7.82E-05	0.000104	9.04E-05	0.000104	0.00002
594019.56	4128435.43	5.97E-05	7.99E-05	6.92E-05	7.99E-05	0.00002
594057.87	4128435.43	6.36E-05	8.52E-05	7.38E-05	8.52E-05	0.00002
594096.18	4128435.43	6.78E-05	9.09E-05	7.87E-05	9.09E-05	0.00002
594134.49	4128435.43	7.25E-05	9.71E-05	8.41E-05	9.71E-05	0.00002
594172.8	4128435.43	7.75E-05	0.000104	8.99E-05	0.000104	0.00002
594211.11	4128435.43	8.29E-05	0.000111	9.63E-05	0.000111	0.00002
594019.56	4128456.29	6.21E-05	8.34E-05	7.22E-05	8.34E-05	0.00002
594057.87	4128456.29	6.64E-05	8.92E-05	7.72E-05	8.92E-05	0.00002
594096.18	4128456.29	7.11E-05	9.55E-05	8.27E-05	9.55E-05	0.00002
594134.49	4128456.29	7.62E-05	0.000102	8.87E-05	0.000102	0.00002
594172.8	4128456.29	8.19E-05	0.00011	9.54E-05	0.00011	0.00002
594211.11	4128456.29	8.81E-05	0.000119	0.000103	0.000119	0.00002
594019.56	4128477.15	6.48E-05	8.72E-05	7.56E-05	8.72E-05	0.00002
594057.87	4128477.15	6.95E-05	9.36E-05	8.11E-05	9.36E-05	0.00002
594096.18	4128477.15	7.46E-05	0.000101	8.71E-05	0.000101	0.00002
594134.49	4128477.15	8.04E-05	0.000108	9.39E-05	0.000108	0.00002
594172.8	4128477.15	8.68E-05	0.000117	0.000101	0.000117	0.00002

594211.11	4128477.15	9.39E-05	0.000127	0.00011	0.000127	0.00003
594019.56	4128498.01	6.78E-05	9.15E-05	7.93E-05	9.15E-05	0.00002
594057.87	4128498.01	7.29E-05	9.85E-05	8.53E-05	9.85E-05	0.00002
594096.18	4128498.01	7.86E-05	0.000106	9.2E-05	0.000106	0.00002
594134.49	4128498.01	8.5E-05	0.000115	9.95E-05	0.000115	0.00002
594172.8	4128498.01	9.23E-05	0.000125	0.000108	0.000125	0.00002
594211.11	4128498.01	0.0001	0.000136	0.000118	0.000136	0.00003
593932.1	4128545.28	6.41E-05	8.68E-05	7.53E-05	8.68E-05	0.00002
593958.16	4128545.28	6.73E-05	9.12E-05	7.9E-05	9.12E-05	0.00002
593984.22	4128545.28	7.07E-05	9.58E-05	8.31E-05	9.58E-05	0.00002
594010.28	4128545.28	7.44E-05	0.000101	8.75E-05	0.000101	0.00002
594036.34	4128545.28	7.84E-05	0.000106	9.22E-05	0.000106	0.00002
594062.4	4128545.28	8.28E-05	0.000112	9.74E-05	0.000112	0.00002
594088.46	4128545.28	8.76E-05	0.000119	0.000103	0.000119	0.00002
594114.52	4128545.28	9.29E-05	0.000126	0.000109	0.000126	0.00003
594140.58	4128545.28	9.87E-05	0.000134	0.000116	0.000134	0.00003
594166.64	4128545.28	0.000105	0.000143	0.000124	0.000143	0.00003
594192.7	4128545.28	0.000112	0.000152	0.000132	0.000152	0.00003
593932.1	4128616.57	7.51E-05	0.000102	8.87E-05	0.000102	0.00002
593958.16	4128616.57	7.93E-05	0.000108	9.37E-05	0.000108	0.00002
593984.22	4128616.57	8.39E-05	0.000114	9.92E-05	0.000114	0.00002
594010.28	4128616.57	8.89E-05	0.000121	0.000105	0.000121	0.00002
594036.34	4128616.57	9.45E-05	0.000129	0.000112	0.000129	0.00003
594062.4	4128616.57	0.000101	0.000137	0.000119	0.000137	0.00003
594088.46	4128616.57	0.000107	0.000146	0.000127	0.000146	0.00003
594114.52	4128616.57	0.000115	0.000157	0.000136	0.000157	0.00003
594140.58	4128616.57	0.000123	0.000168	0.000146	0.000168	0.00003
594166.64	4128616.57	0.000133	0.000181	0.000157	0.000181	0.00004
594192.7	4128616.57	0.000143	0.000196	0.00017	0.000196	0.00004
593932.1	4128687.86	8.79E-05	0.00012	0.000104	0.00012	0.00002
593958.16	4128687.86	9.35E-05	0.000128	0.000111	0.000128	0.00003
593984.22	4128687.86	9.96E-05	0.000136	0.000118	0.000136	0.00003
594010.28	4128687.86	0.000106	0.000146	0.000126	0.000146	0.00003
594036.34	4128687.86	0.000114	0.000156	0.000135	0.000156	0.00003
594062.4	4128687.86	0.000122	0.000168	0.000145	0.000168	0.00003
594088.46	4128687.86	0.000132	0.00018	0.000157	0.00018	0.00004
594114.52	4128687.86	0.000142	0.000195	0.000169	0.000195	0.00004
594140.58	4128687.86	0.000154	0.000211	0.000184	0.000211	0.00004
594166.64	4128687.86	0.000168	0.00023	0.0002	0.00023	0.00005

594192.7	4128687.86	0.000183	0.000252	0.000219	0.000252	0.00005
593920.36	4128705.8	8.89E-05	0.000122	0.000106	0.000122	0.00002
593960.05	4128705.8	9.78E-05	0.000134	0.000116	0.000134	0.00003
593999.74	4128705.8	0.000108	0.000148	0.000129	0.000148	0.00003
594039.43	4128705.8	0.00012	0.000165	0.000143	0.000165	0.00003
594079.12	4128705.8	0.000135	0.000185	0.00016	0.000185	0.00004
594118.81	4128705.8	0.000152	0.000208	0.000181	0.000208	0.00004
594158.5	4128705.8	0.000173	0.000237	0.000206	0.000237	0.00005
594198.19	4128705.8	0.000198	0.000273	0.000237	0.000273	0.00005
593920.36	4128732.44	9.42E-05	0.000129	0.000112	0.000129	0.00003
593960.05	4128732.44	0.000104	0.000142	0.000124	0.000142	0.00003
593999.74	4128732.44	0.000115	0.000158	0.000137	0.000158	0.00003
594039.43	4128732.44	0.000129	0.000177	0.000153	0.000177	0.00004
594079.12	4128732.44	0.000145	0.000198	0.000172	0.000198	0.00004
594118.81	4128732.44	0.000164	0.000225	0.000195	0.000225	0.00005
594158.5	4128732.44	0.000187	0.000257	0.000223	0.000257	0.00005
594198.19	4128732.44	0.000216	0.000297	0.000258	0.000297	0.00006
593920.36	4128759.08	9.98E-05	0.000137	0.000119	0.000137	0.00003
593960.05	4128759.08	0.00011	0.000151	0.000132	0.000151	0.00003
593999.74	4128759.08	0.000123	0.000169	0.000146	0.000169	0.00003
594039.43	4128759.08	0.000137	0.000189	0.000164	0.000189	0.00004
594079.12	4128759.08	0.000155	0.000213	0.000185	0.000213	0.00004
594118.81	4128759.08	0.000176	0.000242	0.00021	0.000242	0.00005
594158.5	4128759.08	0.000202	0.000278	0.000241	0.000278	0.00006
594198.19	4128759.08	0.000233	0.000321	0.000279	0.000321	0.00006
593920.36	4128785.72	0.000106	0.000145	0.000126	0.000145	0.00003
593960.05	4128785.72	0.000117	0.000161	0.00014	0.000161	0.00003
593999.74	4128785.72	0.000131	0.000179	0.000156	0.000179	0.00004
594039.43	4128785.72	0.000147	0.000201	0.000175	0.000201	0.00004
594079.12	4128785.72	0.000166	0.000228	0.000198	0.000228	0.00005
594118.81	4128785.72	0.000188	0.000259	0.000225	0.000259	0.00005
594158.5	4128785.72	0.000216	0.000298	0.000259	0.000298	0.00006
594198.19	4128785.72	0.00025	0.000345	0.0003	0.000345	0.00007
593920.36	4128812.36	0.000112	0.000153	0.000133	0.000153	0.00003
593960.05	4128812.36	0.000124	0.00017	0.000148	0.00017	0.00003
593999.74	4128812.36	0.000139	0.00019	0.000165	0.00019	0.00004
594039.43	4128812.36	0.000156	0.000214	0.000186	0.000214	0.00004
594079.12	4128812.36	0.000176	0.000242	0.00021	0.000242	0.00005
594118.81	4128812.36	0.0002	0.000276	0.00024	0.000276	0.00006

594158.5	4128812.36	0.00023	0.000317	0.000276	0.000317	0.00006
594198.19	4128812.36	0.000267	0.000368	0.00032	0.000368	0.00007
593920.36	4128839	0.000118	0.000162	0.000141	0.000162	0.00003
593960.05	4128839	0.000131	0.00018	0.000156	0.00018	0.00004
593999.74	4128839	0.000146	0.000201	0.000175	0.000201	0.00004
594039.43	4128839	0.000164	0.000226	0.000197	0.000226	0.00005
594079.12	4128839	0.000186	0.000256	0.000223	0.000256	0.00005
594118.81	4128839	0.000212	0.000292	0.000254	0.000292	0.00006
594158.5	4128839	0.000243	0.000335	0.000291	0.000335	0.00007
594198.19	4128839	0.000281	0.000388	0.000337	0.000388	0.00008
593920.36	4128865.64	0.000124	0.000171	0.000148	0.000171	0.00003
593960.05	4128865.64	0.000138	0.00019	0.000165	0.00019	0.00004
593999.74	4128865.64	0.000154	0.000212	0.000184	0.000212	0.00004
594039.43	4128865.64	0.000173	0.000238	0.000207	0.000238	0.00005
594079.12	4128865.64	0.000196	0.00027	0.000234	0.00027	0.00005
594118.81	4128865.64	0.000222	0.000307	0.000266	0.000307	0.00006
594158.5	4128865.64	0.000255	0.000351	0.000305	0.000351	0.00007
594198.19	4128865.64	0.000294	0.000405	0.000352	0.000405	0.00008
593920.36	4128892.28	0.00013	0.000179	0.000155	0.000179	0.00004
593960.05	4128892.28	0.000144	0.000199	0.000173	0.000199	0.00004
593999.74	4128892.28	0.000161	0.000222	0.000193	0.000222	0.00004
594039.43	4128892.28	0.000181	0.000249	0.000216	0.000249	0.00005
594079.12	4128892.28	0.000204	0.000281	0.000244	0.000281	0.00006
594118.81	4128892.28	0.000231	0.000319	0.000277	0.000319	0.00006
594158.5	4128892.28	0.000264	0.000365	0.000317	0.000365	0.00007
594198.19	4128892.28	0.000303	0.000419	0.000364	0.000419	0.00008
593920.36	4128918.92	0.000135	0.000186	0.000162	0.000186	0.00004
593960.05	4128918.92	0.00015	0.000207	0.00018	0.000207	0.00004
593999.74	4128918.92	0.000168	0.000231	0.000201	0.000231	0.00005
594039.43	4128918.92	0.000188	0.000259	0.000225	0.000259	0.00005
594079.12	4128918.92	0.000211	0.000291	0.000253	0.000291	0.00006
594118.81	4128918.92	0.000239	0.000329	0.000286	0.000329	0.00007
594158.5	4128918.92	0.000271	0.000375	0.000325	0.000375	0.00007
594198.19	4128918.92	0.00031	0.000428	0.000372	0.000428	0.00009
593920.36	4128945.56	0.00014	0.000194	0.000168	0.000194	0.00004
593960.05	4128945.56	0.000156	0.000214	0.000186	0.000214	0.00004
593999.74	4128945.56	0.000173	0.000239	0.000207	0.000239	0.00005
594039.43	4128945.56	0.000193	0.000267	0.000232	0.000267	0.00005
594079.12	4128945.56	0.000217	0.000299	0.00026	0.000299	0.00006

594118.81	4128945.56	0.000244	0.000337	0.000293	0.000337	0.00007
594158.5	4128945.56	0.000276	0.000381	0.000331	0.000381	0.00008
594198.19	4128945.56	0.000313	0.000432	0.000376	0.000432	0.00009
595128.75	4128512.05	0.001376	0.001904	0.001654	0.001904	0.00038
595157.74	4128512.05	0.001211	0.001676	0.001456	0.001676	0.00034
595128.75	4128529.32	0.001404	0.001943	0.001688	0.001943	0.00039
595157.74	4128529.32	0.001225	0.001695	0.001473	0.001695	0.00034
595128.75	4128546.59	0.001414	0.001956	0.0017	0.001956	0.00039
595157.74	4128546.59	0.001225	0.001694	0.001472	0.001694	0.00034
595362.46	4128329.27	0.00049	0.000677	0.000588	0.000677	0.00014
595397.07	4128329.27	0.000452	0.000625	0.000543	0.000625	0.00013
595431.68	4128329.27	0.000417	0.000576	0.000501	0.000576	0.00012
595466.29	4128329.27	0.000384	0.00053	0.000461	0.00053	0.00011
595362.46	4128386.58	0.000528	0.000729	0.000633	0.000729	0.00015
595397.07	4128386.58	0.000478	0.000661	0.000574	0.000661	0.00013
595431.68	4128386.58	0.000433	0.000599	0.00052	0.000599	0.00012
595466.29	4128386.58	0.000393	0.000542	0.000471	0.000542	0.00011
595362.46	4128443.89	0.00054	0.000745	0.000648	0.000745	0.00015
595397.07	4128443.89	0.00048	0.000663	0.000576	0.000663	0.00013
595431.68	4128443.89	0.000428	0.000591	0.000513	0.000591	0.00012
595466.29	4128443.89	0.000382	0.000527	0.000458	0.000527	0.00011
595362.46	4128501.2	0.000517	0.000714	0.000621	0.000714	0.00014
595397.07	4128501.2	0.000453	0.000625	0.000543	0.000625	0.00013
595431.68	4128501.2	0.000398	0.000549	0.000477	0.000549	0.00011
595466.29	4128501.2	0.000351	0.000484	0.00042	0.000484	0.00010
594785.72	4129528.1	7.86E-05	0.000107	9.27E-05	0.000107	0.00002
594896.78	4129528.1	6.43E-05	8.66E-05	7.51E-05	8.66E-05	0.00002
595007.84	4129528.1	4.93E-05	6.53E-05	5.65E-05	6.53E-05	0.00001
595118.9	4129528.1	4.67E-05	6.09E-05	5.26E-05	6.09E-05	0.00001
595229.96	4129528.1	4.91E-05	6.31E-05	5.44E-05	6.31E-05	0.00001
594785.72	4129568.18	7.25E-05	9.84E-05	8.54E-05	9.84E-05	0.00002
594896.78	4129568.18	6E-05	8.08E-05	7E-05	8.08E-05	0.00002
595007.84	4129568.18	4.58E-05	6.07E-05	5.25E-05	6.07E-05	0.00001
595118.9	4129568.18	4.27E-05	5.57E-05	4.81E-05	5.57E-05	0.00001
595229.96	4129568.18	4.46E-05	5.75E-05	4.96E-05	5.75E-05	0.00001
594785.72	4129608.26	6.7E-05	9.1E-05	7.89E-05	9.1E-05	0.00002
594896.78	4129608.26	5.61E-05	7.56E-05	6.55E-05	7.56E-05	0.00002
595007.84	4129608.26	4.27E-05	5.67E-05	4.9E-05	5.67E-05	0.00001
595118.9	4129608.26	3.91E-05	5.11E-05	4.42E-05	5.11E-05	0.00001



595229.96	4129608.26	4.05E-05	5.24E-05	4.52E-05	5.24E-05	0.00001
594785.72	4129648.34	6.22E-05	8.44E-05	7.32E-05	8.44E-05	0.00002
594896.78	4129648.34	5.26E-05	7.09E-05	6.14E-05	7.09E-05	0.00001
595007.84	4129648.34	4E-05	5.31E-05	4.59E-05	5.31E-05	0.00001
595118.9	4129648.34	3.6E-05	4.71E-05	4.07E-05	4.71E-05	0.00001
595229.96	4129648.34	3.68E-05	4.78E-05	4.13E-05	4.78E-05	0.00001
594785.72	4129688.42	5.79E-05	7.85E-05	6.81E-05	7.85E-05	0.00002
594896.78	4129688.42	4.95E-05	6.67E-05	5.78E-05	6.67E-05	0.00001
595007.84	4129688.42	3.76E-05	4.99E-05	4.32E-05	4.99E-05	0.00001
595118.9	4129688.42	3.31E-05	4.34E-05	3.75E-05	4.34E-05	0.00001
595229.96	4129688.42	3.35E-05	4.37E-05	3.77E-05	4.37E-05	0.00001
594785.72	4129728.5	5.4E-05	7.33E-05	6.35E-05	7.33E-05	0.00001
594896.78	4129728.5	4.66E-05	6.28E-05	5.44E-05	6.28E-05	0.00001
595007.84	4129728.5	3.54E-05	4.7E-05	4.07E-05	4.7E-05	0.00001
595118.9	4129728.5	3.06E-05	4.02E-05	3.47E-05	4.02E-05	0.00001
595229.96	4129728.5	3.06E-05	4E-05	3.45E-05	4E-05	0.00001
594785.72	4129768.58	5.05E-05	6.85E-05	5.94E-05	6.85E-05	0.00001
594896.78	4129768.58	4.4E-05	5.93E-05	5.14E-05	5.93E-05	0.00001
595007.84	4129768.58	3.34E-05	4.44E-05	3.84E-05	4.44E-05	0.00001
595118.9	4129768.58	2.83E-05	3.73E-05	3.22E-05	3.73E-05	0.00001
595229.96	4129768.58	2.79E-05	3.66E-05	3.17E-05	3.66E-05	0.00001
594785.72	4129808.66	4.74E-05	6.43E-05	5.57E-05	6.43E-05	0.00001
594896.78	4129808.66	4.15E-05	5.61E-05	4.86E-05	5.61E-05	0.00001
595007.84	4129808.66	3.15E-05	4.21E-05	3.64E-05	4.21E-05	0.00001
595118.9	4129808.66	2.63E-05	3.47E-05	3E-05	3.47E-05	0.00001
595229.96	4129808.66	2.56E-05	3.37E-05	2.91E-05	3.37E-05	0.00001
593938.13	4129525.18	0.000103	0.000142	0.000123	0.000142	0.00003
594005.94	4129525.18	0.000106	0.000146	0.000126	0.000146	0.00003
594073.75	4129525.18	0.000107	0.000148	0.000128	0.000148	0.00003
594141.56	4129525.18	0.000107	0.000148	0.000128	0.000148	0.00003
594209.37	4129525.18	0.000106	0.000146	0.000127	0.000146	0.00003
594277.18	4129525.18	0.000104	0.000143	0.000125	0.000143	0.00003
594344.99	4129525.18	0.000102	0.00014	0.000122	0.00014	0.00003
594412.8	4129525.18	9.96E-05	0.000137	0.000119	0.000137	0.00003
594480.61	4129525.18	9.57E-05	0.000131	0.000114	0.000131	0.00003
594548.42	4129525.18	9.01E-05	0.000123	0.000107	0.000123	0.00002
594616.23	4129525.18	8.43E-05	0.000115	1E-04	0.000115	0.00002
593938.13	4129583.05	9.36E-05	0.000129	0.000112	0.000129	0.00003
594005.94	4129583.05	9.5E-05	0.000131	0.000114	0.000131	0.00003

594073.75	4129583.05	9.53E-05	0.000131	0.000114	0.000131	0.00003
594141.56	4129583.05	9.46E-05	0.00013	0.000113	0.00013	0.00003
594209.37	4129583.05	9.31E-05	0.000128	0.000111	0.000128	0.00003
594277.18	4129583.05	9.14E-05	0.000126	0.000109	0.000126	0.00003
594344.99	4129583.05	8.96E-05	0.000123	0.000107	0.000123	0.00002
594412.8	4129583.05	8.73E-05	0.00012	0.000104	0.00012	0.00002
594480.61	4129583.05	8.36E-05	0.000115	9.95E-05	0.000115	0.00002
594548.42	4129583.05	7.86E-05	0.000107	9.33E-05	0.000107	0.00002
594616.23	4129583.05	7.38E-05	0.000101	8.74E-05	0.000101	0.00002
593938.13	4129640.92	8.5E-05	0.000117	0.000102	0.000117	0.00002
594005.94	4129640.92	8.54E-05	0.000118	0.000102	0.000118	0.00002
594073.75	4129640.92	8.49E-05	0.000117	0.000102	0.000117	0.00002
594141.56	4129640.92	8.38E-05	0.000115	0.0001	0.000115	0.00002
594209.37	4129640.92	8.23E-05	0.000113	9.82E-05	0.000113	0.00002
594277.18	4129640.92	8.08E-05	0.000111	9.64E-05	0.000111	0.00002
594344.99	4129640.92	7.93E-05	0.000109	9.45E-05	0.000109	0.00002
594412.8	4129640.92	7.72E-05	0.000106	9.18E-05	0.000106	0.00002
594480.61	4129640.92	7.37E-05	0.000101	8.76E-05	0.000101	0.00002
594548.42	4129640.92	6.92E-05	9.45E-05	8.2E-05	9.45E-05	0.00002
594616.23	4129640.92	6.52E-05	8.88E-05	7.71E-05	8.88E-05	0.00002
593938.13	4129698.79	7.7E-05	0.000106	9.21E-05	0.000106	0.00002
594005.94	4129698.79	7.68E-05	0.000106	9.18E-05	0.000106	0.00002
594073.75	4129698.79	7.59E-05	0.000104	9.06E-05	0.000104	0.00002
594141.56	4129698.79	7.46E-05	0.000103	8.91E-05	0.000103	0.00002
594209.37	4129698.79	7.33E-05	0.000101	8.74E-05	0.000101	0.00002
594277.18	4129698.79	7.21E-05	9.89E-05	8.59E-05	9.89E-05	0.00002
594344.99	4129698.79	7.08E-05	9.7E-05	8.43E-05	9.7E-05	0.00002
594412.8	4129698.79	6.87E-05	9.41E-05	8.17E-05	9.41E-05	0.00002
594480.61	4129698.79	6.54E-05	8.95E-05	7.77E-05	8.95E-05	0.00002
594548.42	4129698.79	6.14E-05	8.38E-05	7.27E-05	8.38E-05	0.00002
594616.23	4129698.79	5.8E-05	7.9E-05	6.86E-05	7.9E-05	0.00002
593938.13	4129756.66	6.98E-05	9.61E-05	8.34E-05	9.61E-05	0.00002
594005.94	4129756.66	6.92E-05	9.51E-05	8.26E-05	9.51E-05	0.00002
594073.75	4129756.66	6.81E-05	9.36E-05	8.13E-05	9.36E-05	0.00002
594141.56	4129756.66	6.69E-05	9.19E-05	7.98E-05	9.19E-05	0.00002
594209.37	4129756.66	6.58E-05	9.03E-05	7.84E-05	9.03E-05	0.00002
594277.18	4129756.66	6.48E-05	8.89E-05	7.72E-05	8.89E-05	0.00002
594344.99	4129756.66	6.36E-05	8.72E-05	7.57E-05	8.72E-05	0.00002
594412.8	4129756.66	6.16E-05	8.43E-05	7.32E-05	8.43E-05	0.00002

594480.61	4129756.66	5.85E-05	7.99E-05	6.93E-05	7.99E-05	0.00002
594548.42	4129756.66	5.48E-05	7.47E-05	6.49E-05	7.47E-05	0.00001
594616.23	4129756.66	5.2E-05	7.08E-05	6.14E-05	7.08E-05	0.00001
593938.13	4129814.53	6.34E-05	8.71E-05	7.57E-05	8.71E-05	0.00002
594005.94	4129814.53	6.25E-05	8.59E-05	7.46E-05	8.59E-05	0.00002
594073.75	4129814.53	6.14E-05	8.44E-05	7.33E-05	8.44E-05	0.00002
594141.56	4129814.53	6.04E-05	8.29E-05	7.2E-05	8.29E-05	0.00002
594209.37	4129814.53	5.95E-05	8.16E-05	7.09E-05	8.16E-05	0.00002
594277.18	4129814.53	5.87E-05	8.04E-05	6.98E-05	8.04E-05	0.00002
594344.99	4129814.53	5.75E-05	7.87E-05	6.83E-05	7.87E-05	0.00002
594412.8	4129814.53	5.55E-05	7.59E-05	6.59E-05	7.59E-05	0.00002
594480.61	4129814.53	5.25E-05	7.17E-05	6.22E-05	7.17E-05	0.00001
594548.42	4129814.53	4.92E-05	6.71E-05	5.82E-05	6.71E-05	0.00001
594616.23	4129814.53	4.69E-05	6.38E-05	5.53E-05	6.38E-05	0.00001
593667	4128083.42	2.03E-05	2.71E-05	2.35E-05	2.71E-05	0.00001
593722.02	4128083.42	2.12E-05	2.82E-05	2.44E-05	2.82E-05	0.00001
593777.04	4128083.42	2.22E-05	2.94E-05	2.55E-05	2.94E-05	0.00001
593832.06	4128083.42	2.37E-05	3.11E-05	2.69E-05	3.11E-05	0.00001
593667	4128157.74	2.34E-05	3.14E-05	2.71E-05	3.14E-05	0.00001
593722.02	4128157.74	2.49E-05	3.31E-05	2.87E-05	3.31E-05	0.00001
593777.04	4128157.74	2.66E-05	3.52E-05	3.05E-05	3.52E-05	0.00001
593832.06	4128157.74	2.88E-05	3.78E-05	3.27E-05	3.78E-05	0.00001
593667	4128232.06	2.65E-05	3.54E-05	3.06E-05	3.54E-05	0.00001
593722.02	4128232.06	2.85E-05	3.79E-05	3.28E-05	3.79E-05	0.00001
593777.04	4128232.06	3.08E-05	4.08E-05	3.53E-05	4.08E-05	0.00001
593832.06	4128232.06	3.36E-05	4.41E-05	3.81E-05	4.41E-05	0.00001
593667	4128306.38	2.93E-05	3.91E-05	3.39E-05	3.91E-05	0.00001
593722.02	4128306.38	3.17E-05	4.22E-05	3.65E-05	4.22E-05	0.00001
593777.04	4128306.38	3.44E-05	4.56E-05	3.95E-05	4.56E-05	0.00001
593832.06	4128306.38	3.74E-05	4.94E-05	4.28E-05	4.94E-05	0.00001
593667	4128380.7	3.22E-05	4.32E-05	3.74E-05	4.32E-05	0.00001
593722.02	4128380.7	3.49E-05	4.66E-05	4.04E-05	4.66E-05	0.00001
593777.04	4128380.7	3.78E-05	5.05E-05	4.37E-05	5.05E-05	0.00001
593832.06	4128380.7	4.11E-05	5.47E-05	4.74E-05	5.47E-05	0.00001
593667	4128455.02	3.6E-05	4.84E-05	4.2E-05	4.84E-05	0.00001
593722.02	4128455.02	3.89E-05	5.23E-05	4.53E-05	5.23E-05	0.00001
593777.04	4128455.02	4.22E-05	5.66E-05	4.91E-05	5.66E-05	0.00001
593832.06	4128455.02	4.58E-05	6.15E-05	5.33E-05	6.15E-05	0.00001
593667	4128529.34	4.07E-05	5.5E-05	4.77E-05	5.5E-05	0.00001

593722.02	4128529.34	4.41E-05	5.96E-05	5.16E-05	5.96E-05	0.00001
593777.04	4128529.34	4.79E-05	6.48E-05	5.61E-05	6.48E-05	0.00001
593832.06	4128529.34	5.23E-05	7.07E-05	6.13E-05	7.07E-05	0.00001
593667	4128603.66	4.6E-05	6.24E-05	5.41E-05	6.24E-05	0.00001
593722.02	4128603.66	5.01E-05	6.81E-05	5.9E-05	6.81E-05	0.00001
593777.04	4128603.66	5.49E-05	7.46E-05	6.47E-05	7.46E-05	0.00001
593832.06	4128603.66	6.04E-05	8.21E-05	7.12E-05	8.21E-05	0.00002
593667	4128677.98	5.17E-05	7.04E-05	6.11E-05	7.04E-05	0.00001
593722.02	4128677.98	5.68E-05	7.75E-05	6.72E-05	7.75E-05	0.00002
593777.04	4128677.98	6.27E-05	8.55E-05	7.42E-05	8.55E-05	0.00002
593832.06	4128677.98	6.97E-05	9.51E-05	8.25E-05	9.51E-05	0.00002
593667	4128752.3	5.81E-05	7.94E-05	6.89E-05	7.94E-05	0.00002
593722.02	4128752.3	6.44E-05	8.8E-05	7.63E-05	8.8E-05	0.00002
593777.04	4128752.3	7.17E-05	9.8E-05	8.51E-05	9.8E-05	0.00002
593832.06	4128752.3	8.04E-05	0.00011	9.55E-05	0.00011	0.00002
593667	4128826.62	6.56E-05	8.99E-05	7.8E-05	8.99E-05	0.00002
593722.02	4128826.62	7.32E-05	0.0001	8.7E-05	0.0001	0.00002
593777.04	4128826.62	8.21E-05	0.000113	9.77E-05	0.000113	0.00002
593832.06	4128826.62	9.27E-05	0.000127	0.00011	0.000127	0.00003
593667	4128900.94	7.41E-05	0.000102	8.83E-05	0.000102	0.00002
593722.02	4128900.94	8.29E-05	0.000114	9.88E-05	0.000114	0.00002
593777.04	4128900.94	9.34E-05	0.000128	0.000111	0.000128	0.00003
593832.06	4128900.94	0.000106	0.000146	0.000126	0.000146	0.00003
593667	4128975.26	8.26E-05	0.000114	9.87E-05	0.000114	0.00002
593722.02	4128975.26	9.25E-05	0.000127	0.00011	0.000127	0.00003
593777.04	4128975.26	0.000104	0.000143	0.000124	0.000143	0.00003
593832.06	4128975.26	0.000118	0.000162	0.000141	0.000162	0.00003
593667	4129049.58	9E-05	0.000124	0.000108	0.000124	0.00002
593722.02	4129049.58	0.0001	0.000138	0.00012	0.000138	0.00003
593777.04	4129049.58	0.000112	0.000154	0.000134	0.000154	0.00003
593832.06	4129049.58	0.000126	0.000174	0.000151	0.000174	0.00003
594352.86	4127540.64	7.2E-06	9.09E-06	7.83E-06	9.09E-06	0.00000
594416.15	4127540.64	7.97E-06	1E-05	8.62E-06	1E-05	0.00000
594479.44	4127540.64	9.14E-06	1.15E-05	9.89E-06	1.15E-05	0.00000
594542.73	4127540.64	1.08E-05	1.36E-05	1.17E-05	1.36E-05	0.00000
594606.02	4127540.64	1.29E-05	1.63E-05	1.41E-05	1.63E-05	0.00000
594669.31	4127540.64	1.54E-05	1.97E-05	1.7E-05	1.97E-05	0.00000
594732.6	4127540.64	1.85E-05	2.38E-05	2.05E-05	2.38E-05	0.00000
594795.89	4127540.64	2.19E-05	2.84E-05	2.45E-05	2.84E-05	0.00001

594859.18	4127540.64	2.57E-05	3.35E-05	2.9E-05	3.35E-05	0.00001
594922.47	4127540.64	2.98E-05	3.92E-05	3.39E-05	3.92E-05	0.00001
594985.76	4127540.64	3.43E-05	4.53E-05	3.92E-05	4.53E-05	0.00001
595049.05	4127540.64	3.9E-05	5.19E-05	4.49E-05	5.19E-05	0.00001
595112.34	4127540.64	4.4E-05	5.88E-05	5.09E-05	5.88E-05	0.00001
595175.63	4127540.64	4.9E-05	6.58E-05	5.71E-05	6.58E-05	0.00001
595238.92	4127540.64	5.39E-05	7.27E-05	6.3E-05	7.27E-05	0.00001
595302.21	4127540.64	5.86E-05	7.93E-05	6.88E-05	7.93E-05	0.00002
595365.5	4127540.64	6.29E-05	8.53E-05	7.4E-05	8.53E-05	0.00002
595428.79	4127540.64	6.67E-05	9.08E-05	7.87E-05	9.08E-05	0.00002
595492.08	4127540.64	6.99E-05	9.53E-05	8.27E-05	9.53E-05	0.00002
595555.37	4127540.64	7.24E-05	9.89E-05	8.58E-05	9.89E-05	0.00002
595618.66	4127540.64	7.43E-05	0.000101	8.81E-05	0.000101	0.00002
594352.86	4127567.33	7.87E-06	9.89E-06	8.51E-06	9.89E-06	0.00000
594416.15	4127567.33	8.63E-06	1.08E-05	9.29E-06	1.08E-05	0.00000
594479.44	4127567.33	9.88E-06	1.24E-05	1.06E-05	1.24E-05	0.00000
594542.73	4127567.33	1.16E-05	1.45E-05	1.25E-05	1.45E-05	0.00000
594606.02	4127567.33	1.38E-05	1.74E-05	1.5E-05	1.74E-05	0.00000
594669.31	4127567.33	1.65E-05	2.11E-05	1.82E-05	2.11E-05	0.00000
594732.6	4127567.33	1.98E-05	2.54E-05	2.19E-05	2.54E-05	0.00001
594795.89	4127567.33	2.35E-05	3.04E-05	2.62E-05	3.04E-05	0.00001
594859.18	4127567.33	2.76E-05	3.59E-05	3.1E-05	3.59E-05	0.00001
594922.47	4127567.33	3.2E-05	4.21E-05	3.63E-05	4.21E-05	0.00001
594985.76	4127567.33	3.69E-05	4.87E-05	4.22E-05	4.87E-05	0.00001
595049.05	4127567.33	4.19E-05	5.57E-05	4.82E-05	5.57E-05	0.00001
595112.34	4127567.33	4.73E-05	6.32E-05	5.47E-05	6.32E-05	0.00001
595175.63	4127567.33	5.26E-05	7.07E-05	6.12E-05	7.07E-05	0.00001
595238.92	4127567.33	5.79E-05	7.81E-05	6.77E-05	7.81E-05	0.00002
595302.21	4127567.33	6.28E-05	8.49E-05	7.36E-05	8.49E-05	0.00002
595365.5	4127567.33	6.73E-05	9.13E-05	7.92E-05	9.13E-05	0.00002
595428.79	4127567.33	7.11E-05	9.68E-05	8.39E-05	9.68E-05	0.00002
595492.08	4127567.33	7.43E-05	0.000101	8.79E-05	0.000101	0.00002
595555.37	4127567.33	7.67E-05	0.000105	9.09E-05	0.000105	0.00002
595618.66	4127567.33	7.84E-05	0.000107	9.3E-05	0.000107	0.00002
594352.86	4127594.02	8.67E-06	1.08E-05	9.33E-06	1.08E-05	0.00000
594416.15	4127594.02	9.5E-06	1.18E-05	1.02E-05	1.18E-05	0.00000
594479.44	4127594.02	1.07E-05	1.34E-05	1.15E-05	1.34E-05	0.00000
594542.73	4127594.02	1.25E-05	1.56E-05	1.34E-05	1.56E-05	0.00000
594606.02	4127594.02	1.48E-05	1.87E-05	1.61E-05	1.87E-05	0.00000

594669.31	4127594.02	1.78E-05	2.26E-05	1.95E-05	2.26E-05	0.00000
594732.6	4127594.02	2.13E-05	2.73E-05	2.35E-05	2.73E-05	0.00001
594795.89	4127594.02	2.53E-05	3.26E-05	2.82E-05	3.26E-05	0.00001
594859.18	4127594.02	2.97E-05	3.87E-05	3.34E-05	3.87E-05	0.00001
594922.47	4127594.02	3.45E-05	4.52E-05	3.91E-05	4.52E-05	0.00001
594985.76	4127594.02	3.97E-05	5.24E-05	4.53E-05	5.24E-05	0.00001
595049.05	4127594.02	4.52E-05	6.01E-05	5.2E-05	6.01E-05	0.00001
595112.34	4127594.02	5.09E-05	6.8E-05	5.89E-05	6.8E-05	0.00001
595175.63	4127594.02	5.66E-05	7.61E-05	6.59E-05	7.61E-05	0.00002
595238.92	4127594.02	6.21E-05	8.39E-05	7.27E-05	8.39E-05	0.00002
595302.21	4127594.02	6.73E-05	9.11E-05	7.9E-05	9.11E-05	0.00002
595365.5	4127594.02	7.19E-05	9.77E-05	8.47E-05	9.77E-05	0.00002
595428.79	4127594.02	7.58E-05	0.000103	8.96E-05	0.000103	0.00002
595492.08	4127594.02	7.9E-05	0.000108	9.35E-05	0.000108	0.00002
595555.37	4127594.02	8.13E-05	0.000111	9.64E-05	0.000111	0.00002
595618.66	4127594.02	8.28E-05	0.000113	9.83E-05	0.000113	0.00002
594352.86	4127620.71	9.42E-06	1.17E-05	1.01E-05	1.17E-05	0.00000
594416.15	4127620.71	1.04E-05	1.29E-05	1.11E-05	1.29E-05	0.00000
594479.44	4127620.71	1.19E-05	1.47E-05	1.26E-05	1.47E-05	0.00000
594542.73	4127620.71	1.37E-05	1.7E-05	1.46E-05	1.7E-05	0.00000
594606.02	4127620.71	1.6E-05	2.01E-05	1.73E-05	2.01E-05	0.00000
594669.31	4127620.71	1.92E-05	2.43E-05	2.09E-05	2.43E-05	0.00000
594732.6	4127620.71	2.3E-05	2.93E-05	2.53E-05	2.93E-05	0.00001
594795.89	4127620.71	2.73E-05	3.52E-05	3.03E-05	3.52E-05	0.00001
594859.18	4127620.71	3.21E-05	4.17E-05	3.6E-05	4.17E-05	0.00001
594922.47	4127620.71	3.73E-05	4.88E-05	4.22E-05	4.88E-05	0.00001
594985.76	4127620.71	4.28E-05	5.65E-05	4.89E-05	5.65E-05	0.00001
595049.05	4127620.71	4.88E-05	6.48E-05	5.61E-05	6.48E-05	0.00001
595112.34	4127620.71	5.49E-05	7.34E-05	6.36E-05	7.34E-05	0.00001
595175.63	4127620.71	6.1E-05	8.2E-05	7.1E-05	8.2E-05	0.00002
595238.92	4127620.71	6.68E-05	9.02E-05	7.82E-05	9.02E-05	0.00002
595302.21	4127620.71	7.22E-05	9.79E-05	8.49E-05	9.79E-05	0.00002
595365.5	4127620.71	7.7E-05	0.000105	9.07E-05	0.000105	0.00002
595428.79	4127620.71	8.09E-05	0.00011	9.56E-05	0.00011	0.00002
595492.08	4127620.71	8.4E-05	0.000115	9.95E-05	0.000115	0.00002
595555.37	4127620.71	8.62E-05	0.000118	0.000102	0.000118	0.00002
595618.66	4127620.71	8.74E-05	0.00012	0.000104	0.00012	0.00002
594352.86	4127647.4	1.03E-05	1.28E-05	1.1E-05	1.28E-05	0.00000
594416.15	4127647.4	1.14E-05	1.41E-05	1.21E-05	1.41E-05	0.00000

594479.44	4127647.4	1.3E-05	1.6E-05	1.37E-05	1.6E-05	0.00000
594542.73	4127647.4	1.5E-05	1.86E-05	1.6E-05	1.86E-05	0.00000
594606.02	4127647.4	1.74E-05	2.17E-05	1.87E-05	2.17E-05	0.00000
594669.31	4127647.4	2.09E-05	2.63E-05	2.26E-05	2.63E-05	0.00001
594732.6	4127647.4	2.49E-05	3.17E-05	2.73E-05	3.17E-05	0.00001
594795.89	4127647.4	2.96E-05	3.8E-05	3.27E-05	3.8E-05	0.00001
594859.18	4127647.4	3.47E-05	4.5E-05	3.88E-05	4.5E-05	0.00001
594922.47	4127647.4	4.03E-05	5.27E-05	4.56E-05	5.27E-05	0.00001
594985.76	4127647.4	4.64E-05	6.12E-05	5.29E-05	6.12E-05	0.00001
595049.05	4127647.4	5.28E-05	7.01E-05	6.07E-05	7.01E-05	0.00001
595112.34	4127647.4	5.92E-05	7.92E-05	6.86E-05	7.92E-05	0.00002
595175.63	4127647.4	6.58E-05	8.85E-05	7.67E-05	8.85E-05	0.00002
595238.92	4127647.4	7.2E-05	9.72E-05	8.43E-05	9.72E-05	0.00002
595302.21	4127647.4	7.76E-05	0.000105	9.12E-05	0.000105	0.00002
595365.5	4127647.4	8.25E-05	0.000112	9.73E-05	0.000112	0.00002
595428.79	4127647.4	8.65E-05	0.000118	0.000102	0.000118	0.00002
595492.08	4127647.4	8.94E-05	0.000122	0.000106	0.000122	0.00002
595555.37	4127647.4	9.14E-05	0.000125	0.000108	0.000125	0.00002
595618.66	4127647.4	9.23E-05	0.000126	0.00011	0.000126	0.00003
594352.86	4127674.09	1.13E-05	1.4E-05	1.2E-05	1.4E-05	0.00000
594416.15	4127674.09	1.26E-05	1.54E-05	1.32E-05	1.54E-05	0.00000
594479.44	4127674.09	1.43E-05	1.75E-05	1.5E-05	1.75E-05	0.00000
594542.73	4127674.09	1.65E-05	2.03E-05	1.74E-05	2.03E-05	0.00000
594606.02	4127674.09	1.9E-05	2.35E-05	2.02E-05	2.35E-05	0.00000
594669.31	4127674.09	2.27E-05	2.85E-05	2.45E-05	2.85E-05	0.00001
594732.6	4127674.09	2.71E-05	3.43E-05	2.96E-05	3.43E-05	0.00001
594795.89	4127674.09	3.21E-05	4.12E-05	3.55E-05	4.12E-05	0.00001
594859.18	4127674.09	3.77E-05	4.88E-05	4.21E-05	4.88E-05	0.00001
594922.47	4127674.09	4.37E-05	5.71E-05	4.94E-05	5.71E-05	0.00001
594985.76	4127674.09	5.03E-05	6.63E-05	5.73E-05	6.63E-05	0.00001
595049.05	4127674.09	5.71E-05	7.59E-05	6.57E-05	7.59E-05	0.00002
595112.34	4127674.09	6.42E-05	8.58E-05	7.44E-05	8.58E-05	0.00002
595175.63	4127674.09	7.1E-05	9.56E-05	8.28E-05	9.56E-05	0.00002
595238.92	4127674.09	7.76E-05	0.000105	9.1E-05	0.000105	0.00002
595302.21	4127674.09	8.35E-05	0.000113	9.82E-05	0.000113	0.00002
595365.5	4127674.09	8.84E-05	0.00012	0.000104	0.00012	0.00002
595428.79	4127674.09	9.24E-05	0.000126	0.000109	0.000126	0.00003
595492.08	4127674.09	9.52E-05	0.00013	0.000113	0.00013	0.00003
595555.37	4127674.09	9.68E-05	0.000132	0.000115	0.000132	0.00003

595618.66	4127674.09	9.74E-05	0.000133	0.000116	0.000133	0.00003
594352.86	4127700.78	1.24E-05	1.52E-05	1.3E-05	1.52E-05	0.00000
594416.15	4127700.78	1.4E-05	1.7E-05	1.46E-05	1.7E-05	0.00000
594479.44	4127700.78	1.58E-05	1.93E-05	1.65E-05	1.93E-05	0.00000
594542.73	4127700.78	1.82E-05	2.22E-05	1.9E-05	2.22E-05	0.00000
594606.02	4127700.78	2.08E-05	2.57E-05	2.21E-05	2.57E-05	0.00001
594669.31	4127700.78	2.48E-05	3.1E-05	2.66E-05	3.1E-05	0.00001
594732.6	4127700.78	2.96E-05	3.74E-05	3.22E-05	3.74E-05	0.00001
594795.89	4127700.78	3.51E-05	4.48E-05	3.86E-05	4.48E-05	0.00001
594859.18	4127700.78	4.1E-05	5.3E-05	4.57E-05	5.3E-05	0.00001
594922.47	4127700.78	4.75E-05	6.21E-05	5.36E-05	6.21E-05	0.00001
594985.76	4127700.78	5.46E-05	7.19E-05	6.22E-05	7.19E-05	0.00001
595049.05	4127700.78	6.2E-05	8.24E-05	7.13E-05	8.24E-05	0.00002
595112.34	4127700.78	6.96E-05	9.31E-05	8.06E-05	9.31E-05	0.00002
595175.63	4127700.78	7.69E-05	0.000104	8.98E-05	0.000104	0.00002
595238.92	4127700.78	8.38E-05	0.000113	9.83E-05	0.000113	0.00002
595302.21	4127700.78	8.99E-05	0.000122	0.000106	0.000122	0.00002
595365.5	4127700.78	9.49E-05	0.000129	0.000112	0.000129	0.00003
595428.79	4127700.78	9.87E-05	0.000135	0.000117	0.000135	0.00003
595492.08	4127700.78	0.000101	0.000138	0.00012	0.000138	0.00003
595555.37	4127700.78	0.000103	0.00014	0.000122	0.00014	0.00003
595618.66	4127700.78	0.000103	0.000141	0.000122	0.000141	0.00003
595497.7	4127730.05	0.000109	0.000148	0.000129	0.000148	0.00003
595572.99	4127730.05	0.000109	0.00015	0.00013	0.00015	0.00003
595648.28	4127730.05	0.000108	0.000149	0.000129	0.000149	0.00003
595723.57	4127730.05	0.000106	0.000146	0.000127	0.000146	0.00003
595798.86	4127730.05	0.000103	0.000142	0.000123	0.000142	0.00003
595497.7	4127796.4	0.000126	0.000173	0.00015	0.000173	0.00003
595572.99	4127796.4	0.000126	0.000172	0.00015	0.000172	0.00003
595648.28	4127796.4	0.000123	0.000169	0.000147	0.000169	0.00003
595723.57	4127796.4	0.000119	0.000164	0.000142	0.000164	0.00003
595798.86	4127796.4	0.000114	0.000157	0.000137	0.000157	0.00003
595497.7	4127862.75	0.000147	0.000202	0.000176	0.000202	0.00004
595572.99	4127862.75	0.000144	0.000198	0.000172	0.000198	0.00004
595648.28	4127862.75	0.000139	0.000192	0.000166	0.000192	0.00004
595723.57	4127862.75	0.000133	0.000183	0.000159	0.000183	0.00004
595798.86	4127862.75	0.000127	0.000174	0.000151	0.000174	0.00003
595497.7	4127929.1	0.000171	0.000236	0.000205	0.000236	0.00005
595572.99	4127929.1	0.000165	0.000227	0.000197	0.000227	0.00005



595648.28	4127929.1	0.000157	0.000217	0.000188	0.000217	0.00004
595723.57	4127929.1	0.000149	0.000205	0.000178	0.000205	0.00004
595798.86	4127929.1	0.00014	0.000192	0.000167	0.000192	0.00004
595497.7	4127995.45	0.000199	0.000274	0.000238	0.000274	0.00005
595572.99	4127995.45	0.000189	0.00026	0.000226	0.00026	0.00005
595648.28	4127995.45	0.000177	0.000244	0.000212	0.000244	0.00005
595723.57	4127995.45	0.000165	0.000227	0.000197	0.000227	0.00005
595798.86	4127995.45	0.000153	0.000211	0.000183	0.000211	0.00004
595497.7	4128061.8	0.000231	0.000318	0.000276	0.000318	0.00006
595572.99	4128061.8	0.000215	0.000296	0.000257	0.000296	0.00006
595648.28	4128061.8	0.000198	0.000273	0.000237	0.000273	0.00005
595723.57	4128061.8	0.000181	0.00025	0.000217	0.00025	0.00005
595798.86	4128061.8	0.000165	0.000228	0.000198	0.000228	0.00005
595497.7	4128128.15	0.000266	0.000367	0.000318	0.000367	0.00007
595572.99	4128128.15	0.000242	0.000334	0.00029	0.000334	0.00007
595648.28	4128128.15	0.000219	0.000301	0.000262	0.000301	0.00006
595723.57	4128128.15	0.000196	0.000271	0.000235	0.000271	0.00005
595798.86	4128128.15	0.000175	0.000242	0.00021	0.000242	0.00005
595497.7	4128194.5	0.000302	0.000416	0.000362	0.000416	0.00008
595572.99	4128194.5	0.000268	0.000369	0.000321	0.000369	0.00007
595648.28	4128194.5	0.000236	0.000326	0.000283	0.000326	0.00007
595723.57	4128194.5	0.000207	0.000285	0.000248	0.000285	0.00006
595798.86	4128194.5	0.000181	0.000249	0.000217	0.000249	0.00005
595497.7	4128260.85	0.000334	0.000461	0.000401	0.000461	0.00009
595572.99	4128260.85	0.000288	0.000397	0.000345	0.000397	0.00008
595648.28	4128260.85	0.000247	0.00034	0.000295	0.00034	0.00007
595723.57	4128260.85	0.000211	0.000291	0.000252	0.000291	0.00006
595798.86	4128260.85	0.00018	0.000248	0.000216	0.000248	0.00005
595497.7	4128327.2	0.000355	0.000491	0.000426	0.000491	0.00010
595572.99	4128327.2	0.000296	0.000409	0.000355	0.000409	0.00008
595648.28	4128327.2	0.000247	0.00034	0.000295	0.00034	0.00007
595723.57	4128327.2	0.000206	0.000283	0.000246	0.000283	0.00006
595798.86	4128327.2	0.000172	0.000237	0.000206	0.000237	0.00005
595497.7	4128393.55	0.000358	0.000495	0.00043	0.000495	0.00010
595572.99	4128393.55	0.000289	0.000398	0.000346	0.000398	0.00008
595648.28	4128393.55	0.000234	0.000323	0.00028	0.000323	0.00006
595723.57	4128393.55	0.000191	0.000263	0.000229	0.000263	0.00005
595798.86	4128393.55	0.000158	0.000217	0.000188	0.000217	0.00004
595497.7	4128459.9	0.000338	0.000466	0.000405	0.000466	0.00009

595572.99	4128459.9	0.000265	0.000365	0.000317	0.000365	0.00007
595648.28	4128459.9	0.000211	0.00029	0.000252	0.00029	0.00006
595723.57	4128459.9	0.00017	0.000234	0.000203	0.000234	0.00005
595798.86	4128459.9	0.000139	0.000191	0.000166	0.000191	0.00004
595497.7	4128526.25	0.000297	0.000408	0.000355	0.000408	0.00008
595572.99	4128526.25	0.00023	0.000316	0.000274	0.000316	0.00006
595648.28	4128526.25	0.000182	0.000249	0.000216	0.000249	0.00005
595723.57	4128526.25	0.000146	0.000201	0.000174	0.000201	0.00004
595798.86	4128526.25	0.00012	0.000164	0.000143	0.000164	0.00003
595497.7	4128592.6	0.000245	0.000337	0.000293	0.000337	0.00007
595572.99	4128592.6	0.000191	0.000261	0.000227	0.000261	0.00005
595648.28	4128592.6	0.000152	0.000208	0.000181	0.000208	0.00004
595723.57	4128592.6	0.000124	0.000169	0.000147	0.000169	0.00003
595798.86	4128592.6	0.000103	0.00014	0.000122	0.00014	0.00003
595497.7	4128658.95	0.000195	0.000267	0.000231	0.000267	0.00005
595572.99	4128658.95	0.000156	0.000212	0.000184	0.000212	0.00004
595648.28	4128658.95	0.000127	0.000173	0.00015	0.000173	0.00003
595723.57	4128658.95	0.000105	0.000143	0.000124	0.000143	0.00003
595798.86	4128658.95	8.9E-05	0.000121	0.000105	0.000121	0.00002
595497.7	4128725.3	0.000154	0.000209	0.000182	0.000209	0.00004
595572.99	4128725.3	0.000127	0.000173	0.00015	0.000173	0.00003
595648.28	4128725.3	0.000107	0.000144	0.000125	0.000144	0.00003
595723.57	4128725.3	9.05E-05	0.000122	0.000106	0.000122	0.00002
595798.86	4128725.3	7.79E-05	0.000105	9.11E-05	0.000105	0.00002
595312.78	4128113.49	0.000303	0.000418	0.000363	0.000418	0.00008
595353.37	4128113.49	0.000295	0.000407	0.000354	0.000407	0.00008
595393.96	4128113.49	0.000286	0.000394	0.000342	0.000394	0.00008
595434.55	4128113.49	0.000275	0.00038	0.00033	0.00038	0.00008
595312.78	4128167.08	0.000356	0.000491	0.000427	0.000491	0.00010
595353.37	4128167.08	0.000342	0.000472	0.00041	0.000472	0.00009
595393.96	4128167.08	0.000327	0.000452	0.000393	0.000452	0.00009
595434.55	4128167.08	0.000312	0.00043	0.000374	0.00043	0.00009
595312.78	4128220.67	0.000416	0.000574	0.000499	0.000574	0.00011
595353.37	4128220.67	0.000394	0.000544	0.000473	0.000544	0.00011
595393.96	4128220.67	0.000372	0.000513	0.000446	0.000513	0.00010
595434.55	4128220.67	0.000349	0.000482	0.000419	0.000482	0.00010
595312.78	4128274.26	0.000481	0.000664	0.000577	0.000664	0.00013
595353.37	4128274.26	0.000448	0.000619	0.000538	0.000619	0.00012
595393.96	4128274.26	0.000416	0.000575	0.000499	0.000575	0.00011

595434.55	4128274.26	0.000385	0.000532	0.000462	0.000532	0.00011
593786.29	4129268.12	0.000115	0.000159	0.000138	0.000159	0.00003
593838.34	4129268.12	0.000125	0.000172	0.000149	0.000172	0.00003
593786.29	4129289.04	0.000114	0.000157	0.000136	0.000157	0.00003
593838.34	4129289.04	0.000123	0.000169	0.000147	0.000169	0.00003
593786.29	4129309.96	0.000112	0.000155	0.000135	0.000155	0.00003
593838.34	4129309.96	0.000121	0.000167	0.000145	0.000167	0.00003
595225.34	4128413.877	0.000815	0.001127	0.000979	0.001127	0.00023
595225.34	4128445.983	0.000861	0.001191	0.001035	0.001191	0.00024
595225.34	4128478.09	0.000892	0.001234	0.001072	0.001234	0.00025
595225.34	4128510.197	0.000902	0.001247	0.001083	0.001247	0.00025
595230.9153	4128413.389	0.000801	0.001108	0.000962	0.001108	0.00022
595236.4905	4128445.008	0.000828	0.001146	0.000996	0.001146	0.00023
595242.0658	4128476.627	0.000836	0.001156	0.001005	0.001156	0.00023
595247.6411	4128508.246	0.00082	0.001134	0.000985	0.001134	0.00023
595236.3211	4128411.94	0.000786	0.001087	0.000945	0.001087	0.00022
595247.3023	4128442.111	0.000796	0.001101	0.000956	0.001101	0.00022
595258.2834	4128472.281	0.000785	0.001085	0.000943	0.001085	0.00022
595269.2646	4128502.452	0.000751	0.001038	0.000902	0.001038	0.00021
595241.3934	4128409.575	0.000771	0.001066	0.000926	0.001066	0.00021
595257.4467	4128437.38	0.000765	0.001058	0.000919	0.001058	0.00021
595273.5001	4128465.186	0.00074	0.001022	0.000888	0.001022	0.00020
595289.5534	4128492.991	0.000695	0.000961	0.000835	0.000961	0.00019
595245.9778	4128406.365	0.000756	0.001046	0.000909	0.001046	0.00021
595266.6156	4128430.96	0.000737	0.001019	0.000886	0.001019	0.00020
595287.2534	4128455.556	0.000701	0.000969	0.000842	0.000969	0.00019
595307.8912	4128480.151	0.00065	0.000899	0.000781	0.000899	0.00018
595249.9352	4128402.408	0.000742	0.001026	0.000892	0.001026	0.00021
595274.5303	4128423.046	0.000712	0.000984	0.000855	0.000984	0.00020
595299.1255	4128443.683	0.000669	0.000925	0.000803	0.000925	0.00018
595323.7207	4128464.321	0.000616	0.000851	0.00074	0.000851	0.00017
595253.1452	4128397.823	0.000729	0.001008	0.000876	0.001008	0.00020
595280.9505	4128413.877	0.00069	0.000954	0.000829	0.000954	0.00019
595308.7557	4128429.93	0.000642	0.000888	0.000772	0.000888	0.00018
595336.5609	4128445.983	0.000589	0.000814	0.000707	0.000814	0.00016
595255.5104	4128392.751	0.000717	0.000992	0.000862	0.000992	0.00020
595285.6809	4128403.732	0.000671	0.000927	0.000806	0.000927	0.00019
595315.8513	4128414.713	0.000621	0.000858	0.000745	0.000858	0.00017
595346.0218	4128425.695	0.000568	0.000785	0.000682	0.000785	0.00016

595256.9589	4128387.345	0.000707	0.000977	0.000849	0.000977	0.00020
595288.5779	4128392.921	0.000655	0.000905	0.000786	0.000905	0.00018
595320.1968	4128398.496	0.000603	0.000833	0.000724	0.000833	0.00017
595351.8158	4128404.071	0.000552	0.000762	0.000662	0.000762	0.00015
595257.4467	4128381.77	0.000698	0.000965	0.000839	0.000965	0.00019
595289.5534	4128381.77	0.000641	0.000886	0.00077	0.000886	0.00018
595321.6601	4128381.77	0.000588	0.000812	0.000706	0.000812	0.00016
595353.7668	4128381.77	0.000538	0.000744	0.000646	0.000744	0.00015
595256.9589	4128376.195	0.00069	0.000955	0.00083	0.000955	0.00019
595288.5779	4128370.619	0.00063	0.000871	0.000757	0.000871	0.00017
595320.1968	4128365.044	0.000575	0.000795	0.000691	0.000795	0.00016
595351.8158	4128359.469	0.000526	0.000728	0.000632	0.000728	0.00015
595255.5104	4128370.789	0.000685	0.000947	0.000823	0.000947	0.00019
595285.6809	4128359.808	0.000621	0.000859	0.000746	0.000859	0.00017
595315.8513	4128348.827	0.000565	0.000782	0.000679	0.000782	0.00016
595346.0218	4128337.845	0.000516	0.000714	0.00062	0.000714	0.00014
595253.1452	4128365.717	0.000681	0.000941	0.000818	0.000941	0.00019
595280.9505	4128349.663	0.000615	0.00085	0.000738	0.00085	0.00017
595308.7557	4128333.61	0.000558	0.000771	0.00067	0.000771	0.00015
595336.5609	4128317.557	0.000508	0.000702	0.00061	0.000702	0.00014
595249.9352	4128361.132	0.000679	0.000938	0.000815	0.000938	0.00019
595274.5303	4128340.494	0.000611	0.000844	0.000733	0.000844	0.00017
595299.1255	4128319.857	0.000552	0.000763	0.000663	0.000763	0.00015
595323.7207	4128299.219	0.000501	0.000692	0.000602	0.000692	0.00014
595245.9778	4128357.175	0.000678	0.000938	0.000815	0.000938	0.00019
595266.6156	4128332.58	0.000609	0.000842	0.000731	0.000842	0.00017
595287.2534	4128307.985	0.000549	0.000758	0.000659	0.000758	0.00015
595307.8912	4128283.389	0.000496	0.000686	0.000596	0.000686	0.00014
595241.3934	4128353.965	0.00068	0.00094	0.000817	0.00094	0.00019
595257.4467	4128326.16	0.00061	0.000843	0.000733	0.000843	0.00017
595273.5001	4128298.354	0.000549	0.000758	0.000659	0.000758	0.00015
595289.5534	4128270.549	0.000494	0.000683	0.000593	0.000683	0.00014
595236.3211	4128351.6	0.000683	0.000944	0.000821	0.000944	0.00019
595247.3023	4128321.429	0.000614	0.000849	0.000738	0.000849	0.00017
595258.2834	4128291.259	0.000552	0.000762	0.000662	0.000762	0.00015
595269.2646	4128261.088	0.000496	0.000685	0.000595	0.000685	0.00014
595230.9153	4128350.151	0.000688	0.000952	0.000827	0.000952	0.00019
595236.4905	4128318.532	0.000621	0.000859	0.000746	0.000859	0.00017
595242.0658	4128286.913	0.000559	0.000772	0.000671	0.000772	0.00015

595247.6411	4128255.294	0.000501	0.000692	0.000601	0.000692	0.00014
595225.34	4128349.663	0.000696	0.000962	0.000836	0.000962	0.00019
595225.34	4128317.557	0.000632	0.000874	0.000759	0.000874	0.00017
595225.34	4128285.45	0.00057	0.000788	0.000684	0.000788	0.00016
595225.34	4128253.343	0.000511	0.000706	0.000614	0.000706	0.00014
595219.7647	4128350.151	0.000705	0.000975	0.000847	0.000975	0.00019
595214.1895	4128318.532	0.000647	0.000894	0.000777	0.000894	0.00018
595208.6142	4128286.913	0.000586	0.00081	0.000704	0.00081	0.00016
595203.0389	4128255.294	0.000528	0.000729	0.000633	0.000729	0.00015
595214.3589	4128351.6	0.000716	0.00099	0.00086	0.00099	0.00020
595203.3777	4128321.429	0.000665	0.000919	0.000799	0.000919	0.00018
595192.3966	4128291.259	0.000609	0.000841	0.000731	0.000841	0.00017
595181.4154	4128261.088	0.000551	0.000761	0.000661	0.000761	0.00015
595209.2867	4128353.965	0.000729	0.001008	0.000876	0.001008	0.00020
595193.2333	4128326.16	0.000688	0.000951	0.000826	0.000951	0.00019
595177.1799	4128298.354	0.000638	0.000881	0.000766	0.000881	0.00018
595161.1266	4128270.549	0.000583	0.000805	0.000699	0.000805	0.00016
595204.7022	4128357.175	0.000743	0.001028	0.000893	0.001028	0.00021
595184.0644	4128332.58	0.000714	0.000988	0.000858	0.000988	0.00020
595163.4266	4128307.985	0.000674	0.000931	0.000809	0.000931	0.00019
595142.7888	4128283.389	0.000624	0.000862	0.000749	0.000862	0.00017
595200.7448	4128361.132	0.000759	0.001049	0.000912	0.001049	0.00021
595176.1497	4128340.494	0.000745	0.00103	0.000895	0.00103	0.00021
595151.5545	4128319.857	0.000717	0.000991	0.000861	0.000991	0.00020
595126.9593	4128299.219	0.000678	0.000937	0.000814	0.000937	0.00019
595197.5348	4128365.717	0.000775	0.001072	0.000931	0.001072	0.00021
595169.7296	4128349.663	0.000779	0.001077	0.000935	0.001077	0.00022
595141.9243	4128333.61	0.000768	0.001062	0.000923	0.001062	0.00021
595114.1191	4128317.557	0.000745	0.001029	0.000894	0.001029	0.00021
595195.1696	4128370.789	0.000791	0.001094	0.000951	0.001094	0.00022
595164.9991	4128359.808	0.000814	0.001126	0.000978	0.001126	0.00023
595134.8287	4128348.827	0.000826	0.001142	0.000992	0.001142	0.00023
595104.6583	4128337.845	0.000825	0.00114	0.00099	0.00114	0.00023
595193.7211	4128376.195	0.000807	0.001116	0.000969	0.001116	0.00022
595162.1021	4128370.619	0.000851	0.001176	0.001022	0.001176	0.00024
595130.4832	4128365.044	0.000888	0.001228	0.001067	0.001228	0.00025
595098.8643	4128359.469	0.000916	0.001267	0.001101	0.001267	0.00025
595193.2333	4128381.77	0.000821	0.001135	0.000986	0.001135	0.00023
595161.1266	4128381.77	0.000885	0.001225	0.001064	0.001225	0.00024

595129.0199	4128381.77	0.00095	0.001315	0.001142	0.001315	0.00026
595096.9132	4128381.77	0.001014	0.001402	0.001219	0.001402	0.00028
595193.7211	4128387.345	0.000833	0.001152	0.001001	0.001152	0.00023
595162.1021	4128392.921	0.000916	0.001267	0.001101	0.001267	0.00025
595130.4832	4128398.496	0.001008	0.001395	0.001212	0.001395	0.00028
595098.8643	4128404.071	0.001109	0.001534	0.001333	0.001534	0.00031
595195.1696	4128392.751	0.000842	0.001165	0.001013	0.001165	0.00023
595164.9991	4128403.732	0.00094	0.001301	0.00113	0.001301	0.00026
595134.8287	4128414.713	0.001055	0.001459	0.001268	0.001459	0.00029
595104.6583	4128425.695	0.001189	0.001645	0.00143	0.001645	0.00033
595197.5348	4128397.823	0.000849	0.001174	0.00102	0.001174	0.00023
595169.7296	4128413.877	0.000956	0.001323	0.00115	0.001323	0.00026
595141.9243	4128429.93	0.001085	0.001501	0.001304	0.001501	0.00030
595114.1191	4128445.983	0.00124	0.001716	0.001492	0.001716	0.00034
595200.7448	4128402.408	0.000851	0.001178	0.001023	0.001178	0.00024
595176.1497	4128423.046	0.000962	0.001331	0.001157	0.001331	0.00027
595151.5545	4128443.683	0.001094	0.001514	0.001316	0.001514	0.00030
595126.9593	4128464.321	0.001254	0.001736	0.001508	0.001736	0.00035
595204.7022	4128406.365	0.00085	0.001176	0.001022	0.001176	0.00024
595184.0644	4128430.96	0.000958	0.001325	0.001151	0.001325	0.00026
595163.4266	4128455.556	0.001082	0.001498	0.001302	0.001498	0.00030
595142.7888	4128480.151	0.001228	0.001699	0.001477	0.001699	0.00034
595209.2867	4128409.575	0.000846	0.00117	0.001017	0.00117	0.00023
595193.2333	4128437.38	0.000943	0.001305	0.001134	0.001305	0.00026
595177.1799	4128465.186	0.001051	0.001454	0.001264	0.001454	0.00029
595161.1266	4128492.991	0.001168	0.001616	0.001404	0.001616	0.00032
595214.3589	4128411.94	0.000838	0.001159	0.001007	0.001159	0.00023
595203.3777	4128442.111	0.000921	0.001274	0.001107	0.001274	0.00025
595192.3966	4128472.281	0.001005	0.00139	0.001208	0.00139	0.00028
595181.4154	4128502.452	0.001085	0.001501	0.001304	0.001501	0.00030
595219.7647	4128413.389	0.000827	0.001145	0.000995	0.001145	0.00023
595214.1895	4128445.008	0.000893	0.001235	0.001073	0.001235	0.00025
595208.6142	4128476.627	0.00095	0.001314	0.001142	0.001314	0.00026
595203.0389	4128508.246	0.000992	0.001372	0.001192	0.001372	0.00027
594645.59	4128502.87	0.000587	0.000776	0.000672	0.000776	0.00016
594644.51	4128523.39	0.00082	0.001101	0.000954	0.001101	0.00022
594640.67	4128547.67	0.001199	0.001631	0.001414	0.001631	0.00033
594778.05	4128503.58	0.004478	0.006192	0.005381	0.006192	0.00124
594789.55	4128515.08	0.005259	0.007281	0.006327	0.007281	0.00146

594800.41	4128527.22	0.006007	0.008322	0.007233	0.008322	0.00166
594813.83	4128543.19	0.006879	0.009537	0.008289	0.009537	0.00191
594859.83	4128584.08	0.007709	0.010688	0.00929	0.010688	0.00214
594870.05	4128594.31	0.007775	0.010779	0.009368	0.010779	0.00216
594880.91	4128605.81	0.007792	0.010801	0.009387	0.010801	0.00216
594891.78	4128616.67	0.007675	0.010636	0.009243	0.010636	0.00213
594611.28	4128774.49	0.003054	0.004234	0.00368	0.004234	0.00085
594594.03	4128775.13	0.00256	0.003548	0.003084	0.003548	0.00071
594611.92	4128737.43	0.003016	0.00418	0.003633	0.00418	0.00084
594614.48	4128716.98	0.002978	0.004124	0.003584	0.004124	0.00082
594595.95	4128717.62	0.002418	0.003347	0.002909	0.003347	0.00067
594590.84	4128739.35	0.00241	0.003338	0.002901	0.003338	0.00067
594572.95	4128737.43	0.00201	0.002784	0.002419	0.002784	0.00056
594558.25	4128731.68	0.001728	0.002392	0.002079	0.002392	0.00048
594650.26	4128653.09	0.003941	0.005436	0.004722	0.005436	0.00109
594556.33	4128743.18	0.001745	0.002416	0.0021	0.002416	0.00048
594156.81	4128109.88	0.000132	0.00015	0.000127	0.00015	0.00003
594173.28	4128104.16	0.000155	0.000175	0.000149	0.000175	0.00004
594204.67	4128130.51	0.000105	0.000121	0.000103	0.000121	0.00002
594294.16	4128082.57	0.000338	0.000374	0.000317	0.000374	0.00007
594402.07	4128182.58	7.62E-05	9.12E-05	7.81E-05	9.12E-05	0.00002
594560.99	4128457.35	0.000204	0.000271	0.000234	0.000271	0.00005
594484.6	4128319.73	8.3E-05	0.000107	9.19E-05	0.000107	0.00002
594496.18	4128330.79	8.77E-05	0.000113	9.72E-05	0.000113	0.00002
594785.03	4128768.48	0.012257	0.017013	0.014788	0.017013	0.00340
594809.73	4128769.39	0.009049	0.012552	0.01091	0.012552	0.00251
594853.71	4128775.36	0.005183	0.007168	0.006229	0.007168	0.00143
594860.97	4128775.36	0.004742	0.006551	0.005691	0.006551	0.00131
594896.14	4128777.48	0.002771	0.003775	0.003276	0.003775	0.00076
595133.8	4128685.43	0.000946	0.001303	0.001132	0.001303	0.00026
594914.19	4128786.67	0.002047	0.002746	0.002379	0.002746	0.00055
594874.82	4128777.83	0.003705	0.005102	0.004432	0.005102	0.00102
594152.05	4128129.79	9.56E-05	0.000111	9.46E-05	0.000111	0.00002
594202.81	4128148.84	8.6E-05	0.000101	8.63E-05	0.000101	0.00002
594241.18	4128131.38	0.000108	0.000124	0.000106	0.000124	0.00002
594332.26	4128103.12	0.000186	0.000209	0.000177	0.000209	0.00004
594456.05	4128365.74	9.52E-05	0.000125	0.000108	0.000125	0.00002
594570.17	4128468.28	0.00023	0.000307	0.000265	0.000307	0.00006
594462.2	4128339.56	8.67E-05	0.000112	9.71E-05	0.000112	0.00002

594506.43	4128340.91	9.27E-05	0.000119	0.000103	0.000119	0.00002
594790.08	4128779.43	0.008947	0.012414	0.01079	0.012414	0.00248
594830.62	4128770.02	0.007313	0.010134	0.008807	0.010134	0.00203
594782.57	4128786.09	0.007824	0.010856	0.009436	0.010856	0.00217
594852.94	4128785.86	0.00409	0.005653	0.004912	0.005653	0.00113
594873.88	4128804.73	0.002084	0.002865	0.002488	0.002865	0.00057
595133.34	4128701.89	0.000852	0.001171	0.001017	0.001171	0.00023
595019.02	4128685.83	0.002457	0.003394	0.002949	0.003394	0.00068
595057.48	4128670.69	0.001858	0.002567	0.00223	0.002567	0.00051
595058.31	4128653.72	0.001977	0.002734	0.002375	0.002734	0.00055
595056.86	4128637.66	0.002092	0.002893	0.002514	0.002893	0.00058
594151.73	4128146.21	8.06E-05	9.49E-05	8.1E-05	9.49E-05	0.00002
594240.91	4128149.07	8.94E-05	0.000105	8.95E-05	0.000105	0.00002
594174.19	4128094.46	0.000198	0.000222	0.000188	0.000222	0.00004
594310.35	4128118.59	0.000135	0.000154	0.000131	0.000154	0.00003
594494.91	4128412.28	0.000127	0.000168	0.000146	0.000168	0.00003
594580.96	4128478.67	0.000265	0.000353	0.000306	0.000353	0.00007
594471.65	4128352.38	9.22E-05	0.00012	0.000104	0.00012	0.00002
594515.61	4128353.46	9.94E-05	0.000128	0.000111	0.000128	0.00003
594929.89	4128040.25	0.000165	0.000219	0.000189	0.000219	0.00004
594897.89	4128019.95	0.000145	0.000188	0.000163	0.000188	0.00004
594729.44	4128313.92	0.000428	0.000526	0.000451	0.000526	0.00011
594730.04	4128324.02	0.000449	0.000555	0.000477	0.000555	0.00011
594965.04	4128727.99	0.003458	0.004765	0.004139	0.004765	0.00095
595039.74	4128656.87	0.002285	0.003159	0.002745	0.003159	0.00063
595011.68	4128715.14	0.002164	0.002983	0.002591	0.002983	0.00060
595023.07	4128705.51	0.002076	0.002863	0.002487	0.002863	0.00057
595035.37	4128696.33	0.001962	0.002708	0.002352	0.002708	0.00054
595048.6	4128684.86	0.001864	0.002574	0.002236	0.002574	0.00051
594156.81	4128166.44	7.04E-05	8.42E-05	7.21E-05	8.42E-05	0.00002
594324.73	4128150.25	9.29E-05	0.000109	9.27E-05	0.000109	0.00002
594192.29	4128092.14	0.000219	0.000245	0.000208	0.000245	0.00005
594328.45	4128132.15	0.000112	0.000129	0.00011	0.000129	0.00003
594484.65	4128398.92	0.000116	0.000153	0.000133	0.000153	0.00003
594590.68	4128491.48	0.000316	0.000422	0.000366	0.000422	0.00008
594481.09	4128364.92	9.85E-05	0.000129	0.000111	0.000129	0.00003
594526.67	4128365.19	0.000107	0.000139	0.00012	0.000139	0.00003
594851.13	4127984.38	0.00012	0.000152	0.000131	0.000152	0.00003
594848.47	4128001.92	0.000128	0.000163	0.00014	0.000163	0.00003



594712.46	4128323.73	0.000535	0.000637	0.000545	0.000637	0.00013
594780.3	4128311.57	0.000437	0.000575	0.000497	0.000575	0.00012
595091.67	4128681.59	0.001323	0.001825	0.001585	0.001825	0.00036
594985.15	4128715.08	0.00296	0.004083	0.003547	0.004083	0.00082
595001.12	4128701.32	0.002711	0.003743	0.003252	0.003743	0.00075
594975.35	4128737.57	0.002655	0.003651	0.00317	0.003651	0.00073
594894.98	4128801.8	0.001756	0.002395	0.002079	0.002395	0.00048
594918.29	4128804.09	0.001431	0.001917	0.001661	0.001917	0.00038
594935.19	4128811.44	0.001243	0.001633	0.001412	0.001633	0.00033
594292.66	4128148.25	9.33E-05	0.000109	9.31E-05	0.000109	0.00002
594206.26	4128109.2	0.000148	0.000167	0.000142	0.000167	0.00003
594372.26	4128145.71	9.7E-05	0.000113	9.62E-05	0.000113	0.00002
594476.02	4128388.8	0.000109	0.000143	0.000124	0.000143	0.00003
594599.04	4128501.06	0.00037	0.000496	0.00043	0.000496	0.00010
594492.7	4128375.31	0.000105	0.000138	0.000119	0.000138	0.00003
594534.77	4128374.77	0.000114	0.000148	0.000128	0.000148	0.00003
594931.92	4128018.42	0.000153	0.000201	0.000174	0.000201	0.00004
594897.21	4128000.82	0.000135	0.000175	0.000151	0.000175	0.00003
594753.99	4128314.5	0.000408	0.000523	0.000451	0.000523	0.00010
594780.53	4128299.81	0.000403	0.000529	0.000457	0.000529	0.00011
595091.67	4128697.59	0.001191	0.00164	0.001425	0.00164	0.00033
595033.78	4128674.19	0.002256	0.003117	0.002709	0.003117	0.00062
595092.89	4128798.07	0.0005	0.000672	0.000582	0.000672	0.00013
595109.32	4128798.07	0.000459	0.000617	0.000535	0.000617	0.00012
595123.92	4128797.61	0.000429	0.000577	0.0005	0.000577	0.00012
594594.57	4128547.24	0.00065	0.000887	0.000769	0.000887	0.00018
594610.2	4128548.32	0.00078	0.001063	0.000922	0.001063	0.00021
594624.75	4128548.86	0.000948	0.001292	0.001121	0.001292	0.00026
594621.75	4128590.45	0.001561	0.002144	0.001862	0.002144	0.00043
594105.97	4128171.34	6.13E-05	7.43E-05	6.36E-05	7.43E-05	0.00001
594239.91	4128105.3	0.000166	0.000188	0.000159	0.000188	0.00004
594369.41	4128168.8	8.16E-05	9.68E-05	8.27E-05	9.68E-05	0.00002
594584.77	4128432.65	0.000186	0.000244	0.000211	0.000244	0.00005
594576.92	4128422.67	0.000169	0.00022	0.00019	0.00022	0.00004
594616.02	4128467.73	0.00029	0.000381	0.00033	0.000381	0.00008
594556.63	4128400.54	0.000138	0.000179	0.000155	0.000179	0.00004
594898.07	4127985.5	0.000127	0.000165	0.000142	0.000165	0.00003
594929.03	4127999.04	0.000141	0.000185	0.00016	0.000185	0.00004
594766.84	4128316.04	0.000424	0.000552	0.000477	0.000552	0.00011

594779.15	4128327.06	0.000481	0.000636	0.00055	0.000636	0.00013
595090.75	4128714.05	0.001058	0.001455	0.001263	0.001455	0.00029
595008.09	4128772.32	0.001129	0.001531	0.001328	0.001531	0.00031
595051.13	4128776.45	0.000776	0.001052	0.000912	0.001052	0.00021
595018.02	4128785.17	0.000895	0.001205	0.001045	0.001205	0.00024
595050.97	4128790.22	0.000679	0.000914	0.000792	0.000914	0.00018
594549.75	4128547.91	0.000454	0.00062	0.000538	0.00062	0.00012
594565.38	4128547.1	0.000506	0.00069	0.000598	0.00069	0.00014
594642.31	4128571.41	0.001765	0.002415	0.002097	0.002415	0.00048
594649.57	4128583.56	0.002355	0.003228	0.002802	0.003228	0.00065
594156.81	4128181.41	6.53E-05	7.9E-05	6.77E-05	7.9E-05	0.00002
594242.13	4128084.89	0.000296	0.000329	0.000279	0.000329	0.00007
594466.33	4128377.73	0.000102	0.000134	0.000116	0.000134	0.00003
594595.83	4128445.2	0.000215	0.000281	0.000243	0.000281	0.00006
594606.6	4128457.61	0.00025	0.000329	0.000284	0.000329	0.00007
594567.98	4128410.66	0.000151	0.000197	0.00017	0.000197	0.00004
594623.82	4128478.93	0.000344	0.000453	0.000392	0.000453	0.00009
594850.69	4127967.48	0.000112	0.000141	0.000122	0.000141	0.00003
594713.46	4128311.86	0.000508	0.000603	0.000516	0.000603	0.00012
594766.84	4128324.25	0.000448	0.000584	0.000505	0.000584	0.00012
594779.15	4128339.62	0.000524	0.000696	0.000602	0.000696	0.00014
594863.24	4128961.31	0.000442	0.000604	0.000525	0.000604	0.00012
595029.65	4128774.56	0.000924	0.001253	0.001086	0.001253	0.00025
595091.97	4128774.56	0.00061	0.000827	0.000717	0.000827	0.00017
595109.78	4128774.56	0.00055	0.000746	0.000647	0.000746	0.00015
595050.97	4128765.38	0.000873	0.001189	0.001031	0.001189	0.00024
594535.7	4128548.04	0.000414	0.000564	0.00049	0.000564	0.00011
594580.5	4128547.5	0.000574	0.000783	0.000679	0.000783	0.00016
594639.61	4128583.69	0.001946	0.00267	0.002318	0.00267	0.00053
594649.3	4128595.3	0.002635	0.003619	0.003142	0.003619	0.00072
594112.36	4128157.82	6.67E-05	7.99E-05	6.84E-05	7.99E-05	0.00002
594316.11	4128129.88	0.000115	0.000132	0.000113	0.000132	0.00003
594604.22	4128516.57	0.00047	0.000633	0.000549	0.000633	0.00013
594544.02	4128470.15	0.000212	0.000284	0.000246	0.000284	0.00006
594516.47	4128436.69	0.000154	0.000205	0.000178	0.000205	0.00004
594531.56	4128422.12	0.000147	0.000194	0.000167	0.000194	0.00004
594502.39	4128386.5	0.000113	0.000148	0.000128	0.000148	0.00003
594711.93	4128340.94	0.000572	0.000688	0.000589	0.000688	0.00014
594724.7	4128340.71	0.000507	0.000627	0.000539	0.000627	0.00013

594738.16	4128340.94	0.000487	0.000618	0.000532	0.000618	0.00012
594764.92	4128298.95	0.00038	0.000491	0.000423	0.000491	0.00010
594855.84	4128802.72	0.002651	0.003658	0.003178	0.003658	0.00073
594785.53	4128831.63	0.00256	0.003545	0.00308	0.003545	0.00071
594796.46	4128831.63	0.002391	0.00331	0.002876	0.00331	0.00066
595049.6	4128808.45	0.000592	0.000788	0.000682	0.000788	0.00016
594828.2	4128794.7	0.004182	0.00579	0.005032	0.00579	0.00116
594891.14	4128831.45	0.001154	0.001576	0.001367	0.001576	0.00032
594905.45	4128831.19	0.001046	0.001419	0.001231	0.001419	0.00028
594918	4128830.69	0.000982	0.001322	0.001145	0.001322	0.00026
594291.98	4128131.38	0.000112	0.000129	0.00011	0.000129	0.00003
594574.27	4128502.13	0.000324	0.000435	0.000377	0.000435	0.00009
594554.54	4128483.51	0.000247	0.000331	0.000287	0.000331	0.00007
594525.37	4128448.16	0.000171	0.000227	0.000197	0.000227	0.00005
594541.54	4128435.48	0.000164	0.000217	0.000188	0.000217	0.00004
594512.1	4128397.16	0.000122	0.00016	0.000138	0.00016	0.00003
594788.47	4128796.69	0.00532	0.007377	0.006411	0.007377	0.00148
594812.03	4128788.66	0.005597	0.007758	0.006743	0.007758	0.00155
594808.73	4128806.79	0.003603	0.00499	0.004337	0.00499	0.00100
594855.23	4128813.67	0.002125	0.00293	0.002545	0.00293	0.00059
594859.28	4128793.94	0.003122	0.004309	0.003743	0.004309	0.00086
595427.44	4129452.45	9.47E-05	0.000112	9.6E-05	0.000112	0.00002
595443.76	4129477.89	8.86E-05	0.000105	9E-05	0.000105	0.00002
595096.58	4128893.01	0.000372	0.000468	0.000403	0.000468	0.00009
594931.43	4128831.15	0.000934	0.001243	0.001076	0.001243	0.00025
594942.72	4128831.15	0.000929	0.00122	0.001055	0.00122	0.00024
594952	4128830.89	0.000959	0.001242	0.001072	0.001242	0.00025
594296.11	4128099.86	0.000197	0.000221	0.000188	0.000221	0.00004
594583.17	4128516.02	0.000399	0.000539	0.000467	0.000539	0.00011
594565.07	4128491.74	0.000279	0.000374	0.000324	0.000374	0.00007
594535.36	4128456.66	0.000187	0.000249	0.000215	0.000249	0.00005
594551.25	4128443.17	0.000178	0.000236	0.000204	0.000236	0.00005
594634.61	4128491.2	0.000442	0.000583	0.000504	0.000583	0.00012
594807.75	4128780.8	0.007158	0.009927	0.008628	0.009927	0.00199
594789.31	4128805.81	0.004135	0.005731	0.004981	0.005731	0.00115
594831.22	4128783.32	0.005423	0.007512	0.006528	0.007512	0.00150
594832.05	4128808.57	0.002918	0.004035	0.003506	0.004035	0.00081
594810.94	4128797.36	0.004482	0.00621	0.005397	0.00621	0.00124
595414.09	4129463.99	8.21E-05	9.85E-05	8.43E-05	9.85E-05	0.00002

595497.65	4129524.43	8.63E-05	0.000102	8.7E-05	0.000102	0.00002
595481.49	4129523.42	7.94E-05	9.44E-05	8.07E-05	9.44E-05	0.00002
595080.91	4128875.09	0.000405	0.000516	0.000444	0.000516	0.00010
595084.17	4128856.08	0.000399	0.000516	0.000446	0.000516	0.00010
595139.79	4128859.08	0.000298	0.000389	0.000336	0.000389	0.00008
595164.13	4128891	0.000252	0.000325	0.000281	0.000325	0.00007
595207.95	4128939.61	0.000205	0.00026	0.000224	0.00026	0.00005
595220.47	4129289.9	9.52E-05	0.000119	0.000102	0.000119	0.00002
595259.38	4129289.47	0.000107	0.000131	0.000112	0.000131	0.00003
595294.68	4129290.12	0.000126	0.000151	0.00013	0.000151	0.00003
594902.61	4129107.8	0.000186	0.000252	0.000219	0.000252	0.00005
594827.43	4129184.31	0.00018	0.000246	0.000213	0.000246	0.00005
594852.82	4129183.98	0.000166	0.000226	0.000196	0.000226	0.00005
595333.6	4129288.08	0.000184	0.000213	0.000182	0.000213	0.00004
595380.35	4129325.01	0.000217	0.000248	0.000211	0.000248	0.00005
595354.7	4129297.95	0.000218	0.00025	0.000213	0.00025	0.00005
595368.91	4129310.75	0.000225	0.000257	0.000219	0.000257	0.00005
595107.61	4128896.67	0.000345	0.000435	0.000375	0.000435	0.00009
595293.36	4129039.9	0.00016	0.000197	0.000169	0.000197	0.00004
595128.46	4128901.73	0.000303	0.000384	0.000331	0.000384	0.00008
595155	4128868.94	0.000272	0.000355	0.000306	0.000355	0.00007
595175.78	4128905.49	0.000237	0.000304	0.000262	0.000304	0.00006
595238.67	4129290.18	9.94E-05	0.000123	0.000106	0.000123	0.00002
595275	4129290.4	0.000113	0.000138	0.000118	0.000138	0.00003
595312.87	4129293.82	0.00014	0.000166	0.000142	0.000166	0.00003
594951.95	4129201.23	0.000119	0.00016	0.000138	0.00016	0.00003
594951.45	4129184.34	0.000126	0.000169	0.000146	0.000169	0.00003
594951.87	4129167.45	0.000133	0.000178	0.000154	0.000178	0.00004
595428.66	4129378.62	0.000207	0.000236	0.000201	0.000236	0.00005
595310.9	4129057.13	0.000154	0.000188	0.000161	0.000188	0.00004
595331.92	4129156.05	0.000223	0.000259	0.000221	0.000259	0.00005
595321.54	4129074.33	0.000153	0.000185	0.000159	0.000185	0.00004
595113.6	4128851.38	0.000344	0.00045	0.000389	0.00045	0.00009
595112.85	4128887.74	0.00033	0.00042	0.000362	0.00042	0.00008
595120.78	4128911.11	0.000323	0.000406	0.000349	0.000406	0.00008
595221.89	4128959.1	0.000195	0.000246	0.000211	0.000246	0.00005
595233.53	4128971.89	0.000188	0.000235	0.000202	0.000235	0.00005
595119.78	4129332.57	7.5E-05	9.73E-05	8.4E-05	9.73E-05	0.00002
595138.93	4129334.68	7.51E-05	9.71E-05	8.38E-05	9.71E-05	0.00002

595155.7	4129334.42	7.6E-05	9.78E-05	8.43E-05	9.78E-05	0.00002
595183.3	4129288.98	8.94E-05	0.000114	9.78E-05	0.000114	0.00002
595272.73	4129366.65	8.05E-05	0.0001	8.62E-05	0.0001	0.00002
595214.73	4129331.51	8.18E-05	0.000103	8.9E-05	0.000103	0.00002
595287.25	4129332.83	9.57E-05	0.000117	0.000101	0.000117	0.00002
595311.95	4129339.18	0.000102	0.000124	0.000106	0.000124	0.00002
595331.37	4129347.63	0.000107	0.000129	0.00011	0.000129	0.00003
595074.4	4129323.35	7.64E-05	1E-04	8.64E-05	1E-04	0.00002
595285.77	4129354.5	8.68E-05	0.000107	9.21E-05	0.000107	0.00002
595418.42	4129365.33	0.000214	0.000244	0.000208	0.000244	0.00005
595279.07	4129085.35	0.000214	0.000254	0.000217	0.000254	0.00005
595372.78	4129189.43	0.000193	0.000225	0.000192	0.000225	0.00004
595343.48	4129168.35	0.00022	0.000255	0.000217	0.000255	0.00005
595230.18	4129029.41	0.000229	0.000276	0.000236	0.000276	0.00006
595263.39	4129007.48	0.000173	0.000214	0.000184	0.000214	0.00004
595279.79	4129026.86	0.000166	0.000205	0.000176	0.000205	0.00004
595147.72	4128938.09	0.000287	0.000357	0.000306	0.000357	0.00007
595137.3	4128924.75	0.000297	0.000372	0.00032	0.000372	0.00007
595112.65	4129285.77	8.53E-05	0.000111	9.54E-05	0.000111	0.00002
595074.99	4129304.8	8.03E-05	0.000105	9.08E-05	0.000105	0.00002
595127.17	4129285.77	8.57E-05	0.000111	9.55E-05	0.000111	0.00002
595175.91	4129334.39	7.73E-05	9.9E-05	8.53E-05	9.9E-05	0.00002
595255.03	4129366.62	7.79E-05	9.77E-05	8.4E-05	9.77E-05	0.00002
595237.46	4129351.56	7.95E-05	0.0001	8.61E-05	0.0001	0.00002
595439.07	4129389.95	0.000207	0.000236	0.000201	0.000236	0.00005
595452.9	4129402.76	0.000214	0.000243	0.000207	0.000243	0.00005
595371.16	4129439.36	7.82E-05	9.5E-05	8.14E-05	9.5E-05	0.00002
595393.46	4129414.88	9.95E-05	0.000118	0.000101	0.000118	0.00002
595476.63	4129434.13	0.00019	0.000215	0.000183	0.000215	0.00004
595458.53	4129407.98	0.000215	0.000244	0.000208	0.000244	0.00005
595408.18	4129350.58	0.00023	0.000262	0.000223	0.000262	0.00005
595257.99	4129067.54	0.000229	0.000271	0.000232	0.000271	0.00005
595306.54	4129122.59	0.000218	0.000255	0.000218	0.000255	0.00005
595319.82	4129140.23	0.00022	0.000257	0.000219	0.000257	0.00005
595240.41	4129023.07	0.000206	0.00025	0.000215	0.00025	0.00005
595247.31	4128986.52	0.00018	0.000224	0.000193	0.000224	0.00004
595252.74	4128994.2	0.000177	0.000221	0.00019	0.000221	0.00004
595192.09	4128920.73	0.000219	0.00028	0.000241	0.00028	0.00006
595175.66	4128966.77	0.00026	0.000319	0.000274	0.000319	0.00006

595088.6	4129290.76	8.37E-05	0.000109	9.43E-05	0.000109	0.00002
595148.7	4129287.07	8.65E-05	0.000111	9.58E-05	0.000111	0.00002
595164.42	4129287.86	8.75E-05	0.000112	9.64E-05	0.000112	0.00002
595198.63	4129286.27	9.24E-05	0.000117	0.0001	0.000117	0.00002
595196.38	4129334.89	7.9E-05	0.000101	8.66E-05	0.000101	0.00002
595235.34	4129332.77	8.43E-05	0.000106	9.1E-05	0.000106	0.00002
595444.67	4129395.56	0.000209	0.000238	0.000202	0.000238	0.00005
595365.92	4129389.11	0.0001	0.00012	0.000103	0.00012	0.00002
595379.02	4129400.34	0.0001	0.00012	0.000102	0.00012	0.00002
595382.68	4129426.61	8.76E-05	0.000105	9.02E-05	0.000105	0.00002
595488.78	4129448.63	0.000189	0.000214	0.000182	0.000214	0.00004
595466.19	4129420.63	0.000195	0.000221	0.000188	0.000221	0.00004
595393.19	4129336.56	0.000226	0.000258	0.000219	0.000258	0.00005
595247.67	4129052.75	0.000227	0.000271	0.000232	0.000271	0.00005
595290.63	4129099.2	0.000212	0.000251	0.000214	0.000251	0.00005
595327.57	4129081.99	0.000151	0.000184	0.000157	0.000184	0.00004
595203.86	4128999.19	0.000242	0.000294	0.000252	0.000294	0.00006
595219.16	4129017.83	0.000235	0.000284	0.000244	0.000284	0.00006
595229.71	4129010.52	0.000211	0.000257	0.000221	0.000257	0.00005
595160.4	4128953.08	0.000276	0.00034	0.000292	0.00034	0.00007
595191.01	4128985.43	0.00025	0.000306	0.000262	0.000306	0.00006
595341.75	4129361.55	0.000104	0.000125	0.000107	0.000125	0.00003
595319.56	4129372.12	8.96E-05	0.000109	9.38E-05	0.000109	0.00002
594823.12	4129350.69	0.000112	0.000152	0.000132	0.000152	0.00003
594840.16	4129351.18	0.000107	0.000146	0.000127	0.000146	0.00003
594856.23	4129352.15	0.000103	0.000139	0.000121	0.000139	0.00003
594950.83	4129354.09	7.89E-05	0.000105	9.13E-05	0.000105	0.00002
594967.39	4129353.6	7.63E-05	0.000102	8.81E-05	0.000102	0.00002
594983.45	4129353.6	7.43E-05	9.88E-05	8.55E-05	9.88E-05	0.00002
595001.49	4129349.66	7.34E-05	9.72E-05	8.41E-05	9.72E-05	0.00002
595044.8	4129396.91	6.34E-05	8.34E-05	7.21E-05	8.34E-05	0.00002
595075.17	4129370.37	6.76E-05	8.85E-05	7.65E-05	8.85E-05	0.00002
595126.08	4129373.64	6.78E-05	8.8E-05	7.6E-05	8.8E-05	0.00002
595243.87	4129478.68	5.6E-05	7.15E-05	6.16E-05	7.15E-05	0.00001
595274.5	4129500.59	5.43E-05	6.9E-05	5.94E-05	6.9E-05	0.00001
595213.07	4129402.68	6.65E-05	8.49E-05	7.32E-05	8.49E-05	0.00002
595265.91	4129429.75	6.52E-05	8.23E-05	7.08E-05	8.23E-05	0.00002
595301.52	4129380.53	8.18E-05	0.000101	8.68E-05	0.000101	0.00002
594793.06	4129350.42	0.000118	0.000161	0.00014	0.000161	0.00003

594809.62	4129351.39	0.000115	0.000156	0.000136	0.000156	0.00003
594871.74	4129351.88	9.85E-05	0.000133	0.000116	0.000133	0.00003
594886.84	4129352.36	9.42E-05	0.000127	0.00011	0.000127	0.00003
594901.45	4129353.81	8.99E-05	0.000121	0.000105	0.000121	0.00002
594919.95	4129353.33	8.54E-05	0.000115	9.94E-05	0.000115	0.00002
594937.47	4129353.33	8.16E-05	0.000109	9.46E-05	0.000109	0.00002
595042.27	4129376.58	6.67E-05	8.79E-05	7.6E-05	8.79E-05	0.00002
595074.73	4129391.99	6.4E-05	8.38E-05	7.24E-05	8.38E-05	0.00002
595196.07	4129448.03	5.85E-05	7.52E-05	6.49E-05	7.52E-05	0.00002
595231.02	4129462.96	5.77E-05	7.38E-05	6.36E-05	7.38E-05	0.00001
595258.89	4129485.88	5.57E-05	7.08E-05	6.1E-05	7.08E-05	0.00001
595214.71	4129454.65	5.82E-05	7.46E-05	6.44E-05	7.46E-05	0.00001
595234.32	4129411.58	6.63E-05	8.42E-05	7.25E-05	8.42E-05	0.00002
595295.77	4129404.2	7.41E-05	9.22E-05	7.92E-05	9.22E-05	0.00002
594782.4	4129402.99	0.000105	0.000143	0.000124	0.000143	0.00003
594801.86	4129402.51	0.000102	0.000139	0.000121	0.000139	0.00003
594867.38	4129404.44	8.86E-05	0.00012	0.000104	0.00012	0.00002
594932.94	4129404.03	7.38E-05	9.89E-05	8.57E-05	9.89E-05	0.00002
594916.39	4129403.8	7.73E-05	0.000104	9E-05	0.000104	0.00002
594980.9	4129488.37	5.58E-05	7.42E-05	6.42E-05	7.42E-05	0.00001
595042.13	4129464.29	5.42E-05	7.14E-05	6.17E-05	7.14E-05	0.00001
595043.53	4129409.85	6.15E-05	8.09E-05	7E-05	8.09E-05	0.00002
595075.74	4129409.01	6.13E-05	8.03E-05	6.94E-05	8.03E-05	0.00002
595120.42	4129478.92	5.23E-05	6.82E-05	5.89E-05	6.82E-05	0.00001
595156.71	4129400.4	6.43E-05	8.31E-05	7.17E-05	8.31E-05	0.00002
595177.02	4129399.64	6.53E-05	8.4E-05	7.24E-05	8.4E-05	0.00002
595196.66	4129400.39	6.6E-05	8.46E-05	7.3E-05	8.46E-05	0.00002
595250.73	4129418.85	6.61E-05	8.37E-05	7.21E-05	8.37E-05	0.00002
595313	4129420.08	7.19E-05	8.91E-05	7.66E-05	8.91E-05	0.00002
594781.91	4129437.14	9.66E-05	0.000131	0.000114	0.000131	0.00003
594830.95	4129407.57	9.61E-05	0.00013	0.000113	0.00013	0.00003
594849.93	4129403.69	9.28E-05	0.000126	0.000109	0.000126	0.00003
594816.55	4129402.72	9.99E-05	0.000136	0.000118	0.000136	0.00003
594883.03	4129407.57	8.43E-05	0.000114	9.87E-05	0.000114	0.00002
594981.08	4129408.19	6.58E-05	8.74E-05	7.57E-05	8.74E-05	0.00002
595042.55	4129444.39	5.67E-05	7.47E-05	6.46E-05	7.47E-05	0.00001
595042.69	4129361.68	6.93E-05	9.12E-05	7.89E-05	9.12E-05	0.00002
595074.05	4129427.93	5.85E-05	7.67E-05	6.63E-05	7.67E-05	0.00002
595075.46	4129481.52	5.16E-05	6.77E-05	5.85E-05	6.77E-05	0.00001

595077.71	4129443.96	5.63E-05	7.38E-05	6.37E-05	7.38E-05	0.00001
595140.24	4129399.04	6.4E-05	8.29E-05	7.16E-05	8.29E-05	0.00002
595119.5	4129398.54	6.35E-05	8.26E-05	7.13E-05	8.26E-05	0.00002
595281.49	4129442.51	6.41E-05	8.07E-05	6.94E-05	8.07E-05	0.00002
595334.74	4129423.24	7.46E-05	9.17E-05	7.87E-05	9.17E-05	0.00002
594864.47	4129487.19	7.53E-05	0.000102	8.83E-05	0.000102	0.00002
594830.95	4129434.93	9.03E-05	0.000123	0.000106	0.000123	0.00002
594850.89	4129434.93	8.65E-05	0.000117	0.000102	0.000117	0.00002
594818	4129433.96	9.27E-05	0.000126	0.000109	0.000126	0.00003
594883.03	4129434.93	7.96E-05	0.000107	9.32E-05	0.000107	0.00002
594981.08	4129435.55	6.2E-05	8.24E-05	7.13E-05	8.24E-05	0.00002
595042.55	4129430.39	5.86E-05	7.71E-05	6.67E-05	7.71E-05	0.00002
595047.75	4129479.34	5.23E-05	6.88E-05	5.95E-05	6.88E-05	0.00001
594931.84	4129488.8	6.27E-05	8.4E-05	7.28E-05	8.4E-05	0.00002
594799.73	4129485.62	8.49E-05	0.000115	0.0001	0.000115	0.00002
595075.6	4129465.84	5.35E-05	7.01E-05	6.06E-05	7.01E-05	0.00001
595137.24	4129447.6	5.67E-05	7.37E-05	6.36E-05	7.37E-05	0.00001
595255.31	4129522.17	5.06E-05	6.47E-05	5.58E-05	6.47E-05	0.00001
595311.84	4129464.54	6.27E-05	7.84E-05	6.74E-05	7.84E-05	0.00002
595351.96	4129405.48	8.56E-05	0.000104	8.91E-05	0.000104	0.00002
594846.58	4129485.19	7.87E-05	0.000107	9.25E-05	0.000107	0.00002
594882.33	4129487.03	7.2E-05	9.72E-05	8.43E-05	9.72E-05	0.00002
594896.74	4129487.49	6.93E-05	9.33E-05	8.08E-05	9.33E-05	0.00002
594933.4	4129439.32	6.86E-05	9.19E-05	7.96E-05	9.19E-05	0.00002
594916.85	4129436.8	7.22E-05	9.69E-05	8.4E-05	9.69E-05	0.00002
594963.52	4129489.06	5.78E-05	7.71E-05	6.68E-05	7.71E-05	0.00002
594998.39	4129487.22	5.42E-05	7.18E-05	6.21E-05	7.18E-05	0.00001
594947.7	4129488.63	6.02E-05	8.04E-05	6.97E-05	8.04E-05	0.00002
594915.56	4129487.95	6.57E-05	8.82E-05	7.64E-05	8.82E-05	0.00002
594781	4129485.68	8.65E-05	0.000118	0.000102	0.000118	0.00002
595137.88	4129477.6	5.28E-05	6.87E-05	5.93E-05	6.87E-05	0.00001
595120.48	4129450.25	5.6E-05	7.29E-05	6.3E-05	7.29E-05	0.00001
595175.68	4129446.72	5.8E-05	7.48E-05	6.46E-05	7.48E-05	0.00001
595301.08	4129559.26	4.73E-05	6.02E-05	5.19E-05	6.02E-05	0.00001
594831.76	4129486.38	8.09E-05	0.00011	9.51E-05	0.00011	0.00002
595044.38	4129341.64	7.3E-05	9.6E-05	8.3E-05	9.6E-05	0.00002
594816.63	4129485.43	8.31E-05	0.000113	9.78E-05	0.000113	0.00002
595158.18	4129478.49	5.32E-05	6.9E-05	5.95E-05	6.9E-05	0.00001
595211.37	4129485.99	5.38E-05	6.91E-05	5.96E-05	6.91E-05	0.00001



595225.3	4129500.11	5.24E-05	6.73E-05	5.8E-05	6.73E-05	0.00001
595152.74	4129448.92	5.7E-05	7.38E-05	6.37E-05	7.38E-05	0.00001
595341.13	4129562.02	4.8E-05	6.06E-05	5.22E-05	6.06E-05	0.00001
595077.18	4129350.52	7.11E-05	9.31E-05	8.05E-05	9.31E-05	0.00002
595174.06	4129476.72	5.39E-05	6.96E-05	6.01E-05	6.96E-05	0.00001
595193.28	4129481.58	5.38E-05	6.94E-05	5.98E-05	6.94E-05	0.00001
595367.41	4129555.23	5.02E-05	6.29E-05	5.41E-05	6.29E-05	0.00001
595420.58	4129543.73	5.73E-05	7.04E-05	6.05E-05	7.04E-05	0.00001
595315.46	4129536.06	5.1E-05	6.45E-05	5.55E-05	6.45E-05	0.00001
595477.45	4129540.62	6.87E-05	8.26E-05	7.07E-05	8.26E-05	0.00002
595396.15	4129564.98	5.03E-05	6.27E-05	5.39E-05	6.27E-05	0.00001
595353.82	4129526.46	5.44E-05	6.79E-05	5.84E-05	6.79E-05	0.00001
595394.78	4129535.18	5.62E-05	6.95E-05	5.97E-05	6.95E-05	0.00001
595330.8	4129498.57	5.8E-05	7.26E-05	6.24E-05	7.26E-05	0.00001
595475.42	4129559.86	6E-05	7.29E-05	6.25E-05	7.29E-05	0.00001
595419.83	4129565.95	5.2E-05	6.44E-05	5.53E-05	6.44E-05	0.00001
595392.86	4129507.11	6.24E-05	7.66E-05	6.58E-05	7.66E-05	0.00002
595417.79	4129513.03	6.53E-05	7.96E-05	6.82E-05	7.96E-05	0.00002
595360.09	4129499.09	6.03E-05	7.47E-05	6.42E-05	7.47E-05	0.00001
594801.31	4129435.64	9.48E-05	0.000129	0.000112	0.000129	0.00003
594867.73	4129437.09	8.26E-05	0.000112	9.68E-05	0.000112	0.00002
594899.24	4129405.96	8.08E-05	0.000109	9.43E-05	0.000109	0.00002
594899.24	4129433.32	7.64E-05	0.000103	8.91E-05	0.000103	0.00002
594965.89	4129410.32	6.74E-05	8.98E-05	7.77E-05	8.98E-05	0.00002
594965.89	4129437.68	6.36E-05	8.48E-05	7.34E-05	8.48E-05	0.00002
594949.1	4129408.18	7.03E-05	9.39E-05	8.13E-05	9.39E-05	0.00002
594949.1	4129435.54	6.64E-05	8.87E-05	7.68E-05	8.87E-05	0.00002
594123.36	4128193.08	5.9E-05	7.24E-05	6.21E-05	7.24E-05	0.00001
594125.98	4128217.36	5.63E-05	7E-05	6.02E-05	7E-05	0.00001
594125.98	4128234.55	5.52E-05	6.94E-05	5.97E-05	6.94E-05	0.00001
594154.37	4128235.67	5.72E-05	7.17E-05	6.17E-05	7.17E-05	0.00001
594155.86	4128216.99	5.87E-05	7.28E-05	6.26E-05	7.28E-05	0.00001
594156.23	4128199.06	6.12E-05	7.51E-05	6.44E-05	7.51E-05	0.00002
594084.14	4128215.87	5.26E-05	6.58E-05	5.66E-05	6.58E-05	0.00001
594077.04	4128225.58	5.15E-05	6.49E-05	5.58E-05	6.49E-05	0.00001
594080.03	4128244.63	5.15E-05	6.54E-05	5.63E-05	6.54E-05	0.00001
594204.79	4128164.7	7.65E-05	9.1E-05	7.78E-05	9.1E-05	0.00002
594204.79	4128184.49	6.87E-05	8.31E-05	7.12E-05	8.31E-05	0.00002
594240.28	4128166.19	7.85E-05	9.34E-05	7.98E-05	9.34E-05	0.00002

594240.28	4128184.87	7.11E-05	8.57E-05	7.34E-05	8.57E-05	0.00002
594238.04	4128199.81	6.7E-05	8.18E-05	7.01E-05	8.18E-05	0.00002
594204.79	4128205.04	6.39E-05	7.83E-05	6.72E-05	7.83E-05	0.00002
594201.81	4128219.98	6.15E-05	7.62E-05	6.55E-05	7.62E-05	0.00002
594203.3	4128236.42	6.02E-05	7.53E-05	6.48E-05	7.53E-05	0.00002
594238.04	4128218.49	6.38E-05	7.89E-05	6.77E-05	7.89E-05	0.00002
594241.78	4128235.3	6.24E-05	7.79E-05	6.7E-05	7.79E-05	0.00002
594292.2	4128166.94	8.1E-05	9.62E-05	8.22E-05	9.62E-05	0.00002
594291.05	4128204.51	6.86E-05	8.38E-05	7.19E-05	8.38E-05	0.00002
594290.37	4128187.64	7.27E-05	8.78E-05	7.52E-05	8.78E-05	0.00002
594292.54	4128238.87	6.46E-05	8.07E-05	6.94E-05	8.07E-05	0.00002
594291.87	4128222	6.59E-05	8.16E-05	7E-05	8.16E-05	0.00002
594325.04	4128258.3	6.55E-05	8.28E-05	7.12E-05	8.28E-05	0.00002
594324.36	4128241.43	6.57E-05	8.22E-05	7.07E-05	8.22E-05	0.00002
594325.41	4128220.2	6.74E-05	8.31E-05	7.14E-05	8.31E-05	0.00002
594324.74	4128203.33	7E-05	8.53E-05	7.32E-05	8.53E-05	0.00002
594323.17	4128186.2	7.42E-05	8.94E-05	7.66E-05	8.94E-05	0.00002
594322.5	4128169.33	8.08E-05	9.61E-05	8.22E-05	9.61E-05	0.00002
594369.12	4128259.42	6.76E-05	8.52E-05	7.34E-05	8.52E-05	0.00002
594368.44	4128242.55	6.73E-05	8.42E-05	7.24E-05	8.42E-05	0.00002
594369.87	4128221.69	6.84E-05	8.44E-05	7.24E-05	8.44E-05	0.00002
594369.19	4128204.82	7.06E-05	8.61E-05	7.38E-05	8.61E-05	0.00002
594400.12	4128260.17	6.89E-05	8.69E-05	7.48E-05	8.69E-05	0.00002
594399.45	4128243.3	6.84E-05	8.53E-05	7.34E-05	8.53E-05	0.00002
594401.24	4128223.93	6.89E-05	8.5E-05	7.3E-05	8.5E-05	0.00002
594400.57	4128207.06	7.07E-05	8.62E-05	7.39E-05	8.62E-05	0.00002
594371.02	4128185.99	7.51E-05	9.02E-05	7.72E-05	9.02E-05	0.00002
594446.85	4128235.67	6.95E-05	8.6E-05	7.39E-05	8.6E-05	0.00002
594448.34	4128259.58	7.04E-05	8.83E-05	7.6E-05	8.83E-05	0.00002
594465.15	4128255.84	7.07E-05	8.83E-05	7.59E-05	8.83E-05	0.00002
594239.44	4128279.33	6.18E-05	7.91E-05	6.82E-05	7.91E-05	0.00002
594237.57	4128294.65	6.26E-05	8.06E-05	6.95E-05	8.06E-05	0.00002
594237.94	4128312.58	6.41E-05	8.32E-05	7.18E-05	8.32E-05	0.00002
594237.19	4128327.52	6.57E-05	8.58E-05	7.41E-05	8.58E-05	0.00002
594202.73	4128279.8	5.98E-05	7.66E-05	6.6E-05	7.66E-05	0.00002
594200.87	4128295.12	6.05E-05	7.79E-05	6.72E-05	7.79E-05	0.00002
594201.24	4128313.05	6.19E-05	8.03E-05	6.93E-05	8.03E-05	0.00002
594203.99	4128327.12	6.34E-05	8.28E-05	7.15E-05	8.28E-05	0.00002
594156.41	4128278.68	5.71E-05	7.32E-05	6.31E-05	7.32E-05	0.00001

594154.54	4128294	5.76E-05	7.44E-05	6.42E-05	7.44E-05	0.00001
594154.92	4128311.93	5.88E-05	7.64E-05	6.6E-05	7.64E-05	0.00002
594154.17	4128326.87	6E-05	7.84E-05	6.77E-05	7.84E-05	0.00002
594116.44	4128279.8	5.46E-05	7.01E-05	6.05E-05	7.01E-05	0.00001
594114.57	4128295.12	5.51E-05	7.13E-05	6.15E-05	7.13E-05	0.00001
594114.95	4128313.05	5.62E-05	7.32E-05	6.32E-05	7.32E-05	0.00001
594114.2	4128327.99	5.73E-05	7.5E-05	6.48E-05	7.5E-05	0.00001
594283.66	4128296.51	6.54E-05	8.42E-05	7.27E-05	8.42E-05	0.00002
594283.68	4128309.94	6.67E-05	8.64E-05	7.46E-05	8.64E-05	0.00002
594282.98	4128324.63	6.86E-05	8.93E-05	7.71E-05	8.93E-05	0.00002
594282.23	4128339.57	7.08E-05	9.27E-05	8.01E-05	9.27E-05	0.00002
594326.57	4128303.53	6.88E-05	8.88E-05	7.66E-05	8.88E-05	0.00002
594283.41	4128281.6	6.43E-05	8.23E-05	7.09E-05	8.23E-05	0.00002
594326.97	4128334.89	7.36E-05	9.62E-05	8.31E-05	9.62E-05	0.00002
594313.27	4128335.25	7.26E-05	9.49E-05	8.2E-05	9.49E-05	0.00002
594357.93	4128334.55	7.61E-05	9.93E-05	8.58E-05	9.93E-05	0.00002
594344.23	4128334.92	7.5E-05	9.8E-05	8.47E-05	9.8E-05	0.00002
594325.72	4128356.04	7.79E-05	0.000102	8.86E-05	0.000102	0.00002
594312.02	4128356.41	7.66E-05	0.000101	8.72E-05	0.000101	0.00002
594356.68	4128355.7	8.08E-05	0.000106	9.18E-05	0.000106	0.00002
594342.98	4128356.07	7.95E-05	0.000105	9.04E-05	0.000105	0.00002
594385.1	4128356.31	8.37E-05	0.00011	9.51E-05	0.00011	0.00002
594371.39	4128356.68	8.24E-05	0.000108	9.37E-05	0.000108	0.00002
594416.06	4128355.97	8.7E-05	0.000114	9.85E-05	0.000114	0.00002
594402.36	4128356.34	8.56E-05	0.000112	9.71E-05	0.000112	0.00002
594385.37	4128334.99	7.84E-05	0.000102	8.83E-05	0.000102	0.00002
594371.66	4128335.36	7.74E-05	0.000101	8.72E-05	0.000101	0.00002
594416.33	4128334.65	8.1E-05	0.000105	9.1E-05	0.000105	0.00002
594402.63	4128335.02	7.99E-05	0.000104	8.99E-05	0.000104	0.00002
594430.03	4128355.38	8.83E-05	0.000116	9.99E-05	0.000116	0.00002
594430.3	4128334.06	8.21E-05	0.000107	9.21E-05	0.000107	0.00002
594339.75	4128303.14	6.96E-05	8.98E-05	7.75E-05	8.98E-05	0.00002
594352.16	4128303.71	7.05E-05	9.09E-05	7.84E-05	9.09E-05	0.00002
594312.76	4128303.7	6.79E-05	8.77E-05	7.57E-05	8.77E-05	0.00002
594380.47	4128302.9	7.22E-05	9.3E-05	8.02E-05	9.3E-05	0.00002
594393.65	4128302.51	7.29E-05	9.39E-05	8.1E-05	9.39E-05	0.00002
594412.26	4128302.54	7.41E-05	9.52E-05	8.21E-05	9.52E-05	0.00002
594366.66	4128303.06	7.13E-05	9.19E-05	7.93E-05	9.19E-05	0.00002
594427.77	4128304.53	7.54E-05	9.68E-05	8.35E-05	9.68E-05	0.00002

594441.74	4128303.94	7.61E-05	9.76E-05	8.41E-05	9.76E-05	0.00002
594455.26	4128305.32	7.72E-05	9.9E-05	8.53E-05	9.9E-05	0.00002
594473.08	4128305.05	7.84E-05	0.0001	8.64E-05	0.0001	0.00002
594074.7	4128261.48	5.13E-05	6.56E-05	5.66E-05	6.56E-05	0.00001
594070.34	4128276.85	5.14E-05	6.63E-05	5.72E-05	6.63E-05	0.00001
594070.34	4128295.44	5.23E-05	6.78E-05	5.85E-05	6.78E-05	0.00001
594028.36	4128311.96	5.04E-05	6.58E-05	5.68E-05	6.58E-05	0.00001
594051.3	4128317.92	5.23E-05	6.83E-05	5.9E-05	6.83E-05	0.00001
594068.96	4128323.43	5.38E-05	7.04E-05	6.08E-05	7.04E-05	0.00001
594715.3	4128299.81	0.000476	0.000566	0.000483	0.000566	0.00011
594727.32	4128298.74	0.000408	0.000497	0.000426	0.000497	0.00010
594740.08	4128298.51	0.00038	0.000473	0.000407	0.000473	0.00009
594753.54	4128298.74	0.000374	0.000476	0.00041	0.000476	0.00010
594739.71	4128353.69	0.000521	0.000668	0.000576	0.000668	0.00013
594752.48	4128353.46	0.000534	0.000697	0.000602	0.000697	0.00014
594765.93	4128353.69	0.000562	0.000744	0.000643	0.000744	0.00015
594773.9	4128358.74	0.000598	0.000798	0.000691	0.000798	0.00016
594786.67	4128358.51	0.000644	0.000866	0.000751	0.000866	0.00017
594800.12	4128358.74	0.000691	0.000935	0.000811	0.000935	0.00019
594812.29	4128360.84	0.000746	0.001014	0.00088	0.001014	0.00020
594825.75	4128361.07	0.00079	0.001078	0.000935	0.001078	0.00022
594845.57	4128365.89	0.000885	0.001212	0.001053	0.001212	0.00024
594859.02	4128366.12	0.000923	0.001267	0.0011	0.001267	0.00025
594803.25	4128299.49	0.000438	0.000583	0.000505	0.000583	0.00012
594801.87	4128326.74	0.000533	0.000715	0.00062	0.000715	0.00014
594801.87	4128339.3	0.000589	0.000794	0.000688	0.000794	0.00016
594803.02	4128311.25	0.000476	0.000636	0.000551	0.000636	0.00013
594790.8	4128341.22	0.000569	0.000763	0.000661	0.000763	0.00015
594823.23	4128330.04	0.000598	0.00081	0.000703	0.00081	0.00016
594823.23	4128342.6	0.000664	0.000903	0.000783	0.000903	0.00018
594824.38	4128314.55	0.000531	0.000717	0.000622	0.000717	0.00014
594860.1	4128325.99	0.000661	0.000904	0.000785	0.000904	0.00018
594859.41	4128341.54	0.000748	0.001025	0.000889	0.001025	0.00020
594847.25	4128321.72	0.000612	0.000834	0.000723	0.000834	0.00017
594880.14	4128351.38	0.000863	0.001186	0.001029	0.001186	0.00024
594880.14	4128363.94	0.000958	0.001317	0.001144	0.001317	0.00026
594881.28	4128335.89	0.000764	0.001048	0.00091	0.001048	0.00021
594881.09	4128322.58	0.000689	0.000944	0.000819	0.000944	0.00019
594882.24	4128307.09	0.000616	0.000842	0.000731	0.000842	0.00017

594853.17	4128299.79	0.000531	0.000722	0.000626	0.000722	0.00014
594841.78	4128299.58	0.000509	0.000689	0.000597	0.000689	0.00014
594864.69	4128299.69	0.000552	0.000752	0.000653	0.000752	0.00015
594914.48	4128370.74	0.001077	0.001485	0.00129	0.001485	0.00030
594914.48	4128383.3	0.00119	0.001642	0.001426	0.001642	0.00033
594914.02	4128355.68	0.000957	0.001318	0.001144	0.001318	0.00026
594914.94	4128341.45	0.000859	0.001183	0.001027	0.001183	0.00024
594915.4	4128328.83	0.000783	0.001076	0.000935	0.001076	0.00022
594910.81	4128299.69	0.000629	0.000862	0.000748	0.000862	0.00017
594924.35	4128299.46	0.000646	0.000886	0.00077	0.000886	0.00018
594938.8	4128299.69	0.000664	0.000912	0.000792	0.000912	0.00018
594950.97	4128303.13	0.000691	0.000951	0.000826	0.000951	0.00019
594742.21	4128451.06	0.001436	0.001949	0.00169	0.001949	0.00039
594756.79	4128451.81	0.001627	0.002223	0.00193	0.002223	0.00044
594772.85	4128452.93	0.001824	0.002503	0.002173	0.002503	0.00050
594792.28	4128453.67	0.002002	0.002756	0.002394	0.002756	0.00055
594806.11	4128453.67	0.002082	0.002871	0.002494	0.002871	0.00057
594821.43	4128454.05	0.002152	0.002971	0.002581	0.002971	0.00059
594842.36	4128455.92	0.002244	0.0031	0.002694	0.0031	0.00062
594855.81	4128461.15	0.002384	0.003297	0.002865	0.003297	0.00066
594871.87	4128467.5	0.002515	0.003481	0.003025	0.003481	0.00070
594804.99	4128494.4	0.003714	0.005138	0.004465	0.005138	0.00103
594814.7	4128487.3	0.00333	0.004607	0.004003	0.004607	0.00092
594826.29	4128476.84	0.002887	0.003992	0.003469	0.003992	0.00080
594829.65	4128505.61	0.004095	0.005671	0.004929	0.005671	0.00113
594841.23	4128496.65	0.003592	0.004974	0.004322	0.004974	0.00099
594854.69	4128486.18	0.003124	0.004324	0.003758	0.004324	0.00086
594890.82	4128577.25	0.005947	0.008244	0.007165	0.008244	0.00165
594902.32	4128588.75	0.005951	0.008249	0.007169	0.008249	0.00165
594913.18	4128600.89	0.005922	0.008207	0.007133	0.008207	0.00164
594902.06	4128562.56	0.005029	0.006971	0.006059	0.006971	0.00139
594913.57	4128574.06	0.005061	0.007015	0.006097	0.007015	0.00140
594924.43	4128586.2	0.005063	0.007017	0.006098	0.007017	0.00140
594943.24	4128641.96	0.005489	0.007602	0.006607	0.007602	0.00152
594916.1	4128666.97	0.007816	0.010823	0.009406	0.010823	0.00216
594927.17	4128654.17	0.006645	0.009204	0.007999	0.009204	0.00184
594957.7	4128630.49	0.004696	0.006505	0.005653	0.006505	0.00130
594964.69	4128642.88	0.004518	0.006256	0.005436	0.006256	0.00125
594977.71	4128652.73	0.004028	0.005577	0.004846	0.005577	0.00112

594970.41	4128622.55	0.004158	0.00576	0.005005	0.00576	0.00115
594981.84	4128615.88	0.003755	0.005201	0.00452	0.005201	0.00104
594988.83	4128606.35	0.003502	0.00485	0.004215	0.00485	0.00097
594988.51	4128641.61	0.003652	0.005055	0.004393	0.005055	0.00101
595001.53	4128630.49	0.003267	0.004523	0.003931	0.004523	0.00090
594813.87	4128831.08	0.002156	0.002981	0.002591	0.002981	0.00060
594828.18	4128830.83	0.001958	0.002704	0.002349	0.002704	0.00054
594852.69	4128831.18	0.001601	0.002205	0.001915	0.002205	0.00044
594610.06	4128785.72	0.002973	0.004122	0.003583	0.004122	0.00082
594592.81	4128786.36	0.002508	0.003477	0.003022	0.003477	0.00070
594611.14	4128819.74	0.002665	0.003696	0.003212	0.003696	0.00074
594589.57	4128819.84	0.002245	0.003113	0.002706	0.003113	0.00062
594588.48	4128835.99	0.002078	0.002881	0.002504	0.002881	0.00058
594612.24	4128836.53	0.002428	0.003367	0.002926	0.003367	0.00067
594574.44	4128791.98	0.002115	0.002932	0.002548	0.002932	0.00059
594577.14	4128779.29	0.002183	0.003025	0.002629	0.003025	0.00061
594550.94	4128790.9	0.001745	0.002418	0.002102	0.002418	0.00048
594557.96	4128779.56	0.001848	0.002561	0.002226	0.002561	0.00051
594537.98	4128785.23	0.001576	0.002184	0.001898	0.002184	0.00044
594527.72	4128780.37	0.001453	0.002012	0.001749	0.002012	0.00040
594571.47	4128835.72	0.001858	0.002576	0.002239	0.002576	0.00052
594554.99	4128827.89	0.001706	0.002365	0.002055	0.002365	0.00047
594540.68	4128821.41	0.001569	0.002175	0.00189	0.002175	0.00043
594521.24	4128816.28	0.001385	0.001918	0.001667	0.001918	0.00038
594500.45	4128816.01	0.001208	0.001673	0.001454	0.001673	0.00033
594482.9	4128816.01	0.001081	0.001497	0.001301	0.001497	0.00030
594512.33	4128784.69	0.001301	0.001801	0.001565	0.001801	0.00036
594518.81	4128769.84	0.001343	0.001859	0.001616	0.001859	0.00037
594490.46	4128781.18	0.001111	0.001538	0.001336	0.001538	0.00031
594463.46	4128816.55	0.00096	0.001329	0.001155	0.001329	0.00027
594474.8	4128788.2	0.001009	0.001396	0.001213	0.001396	0.00028
594569.94	4128717.94	0.001854	0.002566	0.00223	0.002566	0.00051
594576.93	4128700.78	0.001872	0.002591	0.002251	0.002591	0.00052
594562.95	4128701.42	0.001636	0.002262	0.001966	0.002262	0.00045
594567.4	4128690.62	0.001633	0.002258	0.001962	0.002258	0.00045
594569.3	4128677.59	0.001566	0.002165	0.001881	0.002165	0.00043
594651.12	4128634.24	0.003632	0.005002	0.004345	0.005002	0.00100
594638.83	4128633.85	0.002929	0.004038	0.003507	0.004038	0.00081
594618.73	4128637.95	0.002225	0.00307	0.002667	0.00307	0.00061

594599.61	4128635.02	0.001702	0.002348	0.00204	0.002348	0.00047
594577.18	4128634.44	0.001312	0.00181	0.001572	0.00181	0.00036
594557.86	4128635.02	0.001082	0.001491	0.001296	0.001491	0.00030
594542.45	4128643.61	0.000993	0.00137	0.00119	0.00137	0.00027
594541.86	4128632.1	0.000912	0.001258	0.001092	0.001258	0.00025
594531.43	4128643.7	0.000902	0.001244	0.00108	0.001244	0.00025
594530.84	4128632.19	0.000829	0.001142	0.000992	0.001142	0.00023
594540.11	4128655.31	0.001048	0.001447	0.001257	0.001447	0.00029
594518.69	4128738.15	0.001256	0.001739	0.001511	0.001739	0.00035
594499.87	4128737.46	0.001084	0.0015	0.001303	0.0015	0.00030
594472.79	4128739.52	0.000897	0.00124	0.001078	0.00124	0.00025
594513.64	4128720.93	0.001144	0.001583	0.001375	0.001583	0.00032
594512.27	4128702.11	0.001053	0.001455	0.001265	0.001455	0.00029
594510.66	4128692.01	0.000994	0.001374	0.001194	0.001374	0.00027
594477.61	4128716.57	0.000858	0.001186	0.001031	0.001186	0.00024
594478.52	4128700.28	0.000809	0.001117	0.00097	0.001117	0.00022
594478.75	4128690.18	0.000774	0.001069	0.000928	0.001069	0.00021
594477.26	4128678.47	0.000723	0.000998	0.000867	0.000998	0.00020
594477.49	4128668.37	0.000686	0.000947	0.000823	0.000947	0.00019
594512.95	4128634.86	0.000729	0.001005	0.000873	0.001005	0.00020
594493.21	4128634.4	0.000626	0.000862	0.000749	0.000862	0.00017
594479.9	4128636.24	0.000576	0.000793	0.000689	0.000793	0.00016
594520.41	4128546.93	0.000373	0.000508	0.000441	0.000508	0.00010
594506.37	4128547.06	0.000345	0.00047	0.000408	0.00047	0.00009
594490.43	4128547.26	0.000317	0.000433	0.000375	0.000433	0.00009
594543.41	4128516.78	0.000319	0.000432	0.000375	0.000432	0.00009
594528.11	4128515.67	0.000293	0.000397	0.000345	0.000397	0.00008
594514.07	4128515.8	0.000275	0.000373	0.000324	0.000373	0.00007
594498.14	4128516.01	0.000257	0.000349	0.000303	0.000349	0.00007
594521.34	4128494.93	0.000239	0.000322	0.000279	0.000322	0.00006
594492.14	4128494.79	0.000214	0.000289	0.000251	0.000289	0.00006
594507.26	4128495.18	0.000227	0.000306	0.000266	0.000306	0.00006
594596.96	4128603.83	0.001278	0.001759	0.001528	0.001759	0.00035
594597.02	4128588.09	0.001093	0.001502	0.001304	0.001502	0.00030
594576.88	4128589.98	0.000892	0.001226	0.001064	0.001226	0.00025
594553.64	4128588.55	0.000706	0.00097	0.000842	0.00097	0.00019
594538.01	4128588.04	0.000617	0.000847	0.000735	0.000847	0.00017
594516.04	4128591.11	0.000534	0.000733	0.000636	0.000733	0.00015
594513.59	4128574.71	0.000456	0.000625	0.000543	0.000625	0.00013

594493.57	4128590.27	0.000454	0.000623	0.000541	0.000623	0.00012
594760.51	4128824.14	0.003402	0.004716	0.004098	0.004716	0.00094
594520.63	4128867.68	0.001242	0.001721	0.001495	0.001721	0.00034
594503.08	4128867.68	0.001136	0.001574	0.001368	0.001574	0.00031
594483.64	4128868.22	0.001029	0.001425	0.001239	0.001425	0.00029
594520.63	4128893.02	0.001134	0.001571	0.001365	0.001571	0.00031
594503.08	4128893.02	0.001053	0.001459	0.001268	0.001459	0.00029
594483.64	4128893.56	0.000967	0.00134	0.001164	0.00134	0.00027
594463.73	4128893.02	0.000888	0.00123	0.001069	0.00123	0.00025
594468.42	4128866.12	0.000957	0.001325	0.001152	0.001325	0.00027
594565.38	4128882.18	0.001438	0.001993	0.001732	0.001993	0.00040
594561.5	4128916.3	0.001162	0.00161	0.001399	0.00161	0.00032
594552.23	4128934.41	0.001019	0.001412	0.001227	0.001412	0.00028
594566.42	4128896.15	0.001332	0.001846	0.001604	0.001846	0.00037
594528.39	4128942.69	0.000921	0.001276	0.001109	0.001276	0.00026
594510.84	4128942.69	0.000881	0.001221	0.001061	0.001221	0.00024
594491.4	4128943.23	0.000833	0.001154	0.001003	0.001154	0.00023
594471.41	4128940.8	0.000792	0.001097	0.000953	0.001097	0.00022
594605.25	4128901.88	0.001428	0.001979	0.00172	0.001979	0.00040
594621.14	4128901.88	0.001469	0.002035	0.001769	0.002035	0.00041
594635.12	4128902.2	0.001488	0.002061	0.001791	0.002061	0.00041
594640.52	4128886.63	0.001739	0.00241	0.002095	0.00241	0.00048
594606.52	4128881.86	0.00168	0.002329	0.002024	0.002329	0.00047
594625.27	4128881.86	0.00177	0.002454	0.002133	0.002454	0.00049
594603.03	4128926.98	0.001169	0.001619	0.001407	0.001619	0.00032
594619.87	4128927.61	0.001178	0.001632	0.001418	0.001632	0.00033
594638.29	4128927.3	0.001184	0.00164	0.001425	0.00164	0.00033
594852.47	4128984.02	0.000403	0.000551	0.000478	0.000551	0.00011
594849.93	4128999.27	0.000373	0.00051	0.000442	0.00051	0.00010
594870.26	4128985.29	0.000371	0.000506	0.000439	0.000506	0.00010
594876.3	4129002.45	0.000329	0.000449	0.000389	0.000449	0.00009
594893.77	4129021.83	0.000279	0.000379	0.000329	0.000379	0.00008
594894.41	4129003.08	0.000306	0.000416	0.000361	0.000416	0.00008
595091.6	4128755.33	0.000728	0.000994	0.000862	0.000994	0.00020
595109.41	4128755.33	0.00065	0.000886	0.000769	0.000886	0.00018
595093.43	4128736.06	0.000858	0.001176	0.001021	0.001176	0.00024
595111.25	4128736.06	0.000759	0.001039	0.000902	0.001039	0.00021
595029.54	4128756.5	0.001146	0.001565	0.001358	0.001565	0.00031
595046.67	4128741.76	0.00117	0.001603	0.001392	0.001603	0.00032



594992.37	4128751	0.001776	0.002431	0.00211	0.002431	0.00049
595004.01	4128740.39	0.001799	0.002469	0.002144	0.002469	0.00049
595130.48	4128770.73	0.000506	0.000688	0.000596	0.000688	0.00014
595129.26	4128740.39	0.000652	0.000891	0.000773	0.000891	0.00018
595153.5	4128684.24	0.000835	0.00115	0.000998	0.00115	0.00023
595153.04	4128700.7	0.000754	0.001036	0.0009	0.001036	0.00021
595176.21	4128770.73	0.000402	0.000546	0.000473	0.000546	0.00011
595177.13	4128794.07	0.000344	0.000464	0.000402	0.000464	0.00009
595158.31	4128805.34	0.000349	0.000468	0.000405	0.000468	0.00009
595152.35	4128779.19	0.000425	0.000576	0.000499	0.000576	0.00012
595180.8	4128815.43	0.0003	0.000401	0.000348	0.000401	0.00008
595204.2	4128820.02	0.000268	0.000358	0.00031	0.000358	0.00007
595140.88	4128720.46	0.000708	0.000971	0.000843	0.000971	0.00019
595166.57	4128720.46	0.000605	0.000829	0.00072	0.000829	0.00017
595172.54	4128700.27	0.00067	0.00092	0.000799	0.00092	0.00018
595195.48	4128710.82	0.000548	0.000751	0.000652	0.000751	0.00015
595189.05	4128689.72	0.000648	0.000891	0.000774	0.000891	0.00018
595204.65	4128688.34	0.000597	0.00082	0.000712	0.00082	0.00016
595195.94	4128735.6	0.000464	0.000633	0.00055	0.000633	0.00013
595175.75	4128744.32	0.000485	0.000662	0.000574	0.000662	0.00013
595202.36	4128779.64	0.000338	0.000457	0.000396	0.000457	0.00009
595203.74	4128760.37	0.000379	0.000515	0.000447	0.000515	0.00010
595216.58	4128741.56	0.000403	0.000549	0.000477	0.000549	0.00011
595217.96	4128723.67	0.000448	0.000612	0.000532	0.000612	0.00012
595219.34	4128702.56	0.000506	0.000694	0.000603	0.000694	0.00014
594850.37	4127951.3	0.000104	0.000132	0.000114	0.000132	0.00003
594852.13	4127935.04	9.75E-05	0.000124	0.000107	0.000124	0.00002
594898.07	4127967.2	0.000119	0.000154	0.000133	0.000154	0.00003
594931.28	4127981.33	0.000132	0.000174	0.00015	0.000174	0.00003
594934.82	4127965.79	0.000126	0.000165	0.000142	0.000165	0.00003
594899.13	4127944.23	0.000109	0.000141	0.000121	0.000141	0.00003
594898.78	4127930.8	0.000103	0.000133	0.000115	0.000133	0.00003
594934.46	4127945.65	0.000116	0.000152	0.000132	0.000152	0.00003
594928.81	4127927.62	0.000108	0.00014	0.000121	0.00014	0.00003
595340	4129093.59	0.000147	0.000178	0.000153	0.000178	0.00004
595349.49	4129109.17	0.000147	0.000178	0.000152	0.000178	0.00004
595373.19	4129128.81	0.000139	0.000167	0.000143	0.000167	0.00003
595405.7	4129155.9	0.000128	0.000154	0.000132	0.000154	0.00003
594828.06	4129208.24	0.000166	0.000226	0.000196	0.000226	0.00005

594853.46	4129207.91	0.000154	0.000209	0.000181	0.000209	0.00004
594825.42	4129228.03	0.000157	0.000214	0.000186	0.000214	0.00004
594850.82	4129227.7	0.000146	0.000198	0.000172	0.000198	0.00004
594827.4	4129248.81	0.000147	0.0002	0.000173	0.0002	0.00004
594852.8	4129248.48	0.000136	0.000185	0.000161	0.000185	0.00004
594896.99	4129195.71	0.000139	0.000188	0.000163	0.000188	0.00004
594922.38	4129195.38	0.00013	0.000175	0.000151	0.000175	0.00003
594891.71	4129220.12	0.000131	0.000177	0.000154	0.000177	0.00004
594917.11	4129219.79	0.000122	0.000164	0.000142	0.000164	0.00003
594891.71	4129241.88	0.000123	0.000166	0.000144	0.000166	0.00003
594917.11	4129241.55	0.000115	0.000154	0.000134	0.000154	0.00003
594893.69	4129262.33	0.000116	0.000156	0.000135	0.000156	0.00003
594919.09	4129262	0.000108	0.000145	0.000125	0.000145	0.00003
594893.36	4129285.74	0.000109	0.000147	0.000127	0.000147	0.00003
594918.76	4129285.41	0.000101	0.000136	0.000118	0.000136	0.00003
594825.75	4129273.54	0.000137	0.000186	0.000162	0.000186	0.00004
594851.15	4129273.21	0.000128	0.000173	0.00015	0.000173	0.00003
594828.06	4129297.28	0.000127	0.000173	0.00015	0.000173	0.00003
594853.46	4129296.95	0.000119	0.000161	0.00014	0.000161	0.00003
595429.03	4129137.08	0.00011	0.000134	0.000115	0.000134	0.00003
595398.56	4129118.5	0.00012	0.000145	0.000125	0.000145	0.00003
595323.48	4128976.53	0.000134	0.00017	0.000147	0.00017	0.00003
595337.6	4128998.08	0.000128	0.000162	0.00014	0.000162	0.00003
595353.21	4129028.56	0.000124	0.000155	0.000133	0.000155	0.00003
594282.32	4128355.01	7.36E-05	9.69E-05	8.38E-05	9.69E-05	0.00002
594281.57	4128369.95	7.66E-05	0.000101	8.76E-05	0.000101	0.00002
594237.72	4128344.51	6.81E-05	8.93E-05	7.72E-05	8.93E-05	0.00002
594236.97	4128359.46	7.04E-05	9.28E-05	8.02E-05	9.28E-05	0.00002
594240.34	4128380.37	7.45E-05	9.88E-05	8.55E-05	9.88E-05	0.00002
594239.59	4128395.32	7.75E-05	0.000103	8.93E-05	0.000103	0.00002
594227.72	4128414.08	8.02E-05	0.000107	9.28E-05	0.000107	0.00002
595154.49	4128556.43	0.001238	0.001712	0.001488	0.001712	0.00034
595544.9	4129513.26	0.000162	0.000184	0.000156	0.000184	0.00004
595560.09	4129522.66	0.000169	0.000192	0.000163	0.000192	0.00004
595546.35	4129534.23	0.000111	0.000129	0.00011	0.000129	0.00003
595565.51	4129536.76	0.000127	0.000146	0.000124	0.000146	0.00003
595570.93	4129559.54	7.74E-05	9.13E-05	7.8E-05	9.13E-05	0.00002
595545.62	4129557.37	7.61E-05	9E-05	7.69E-05	9E-05	0.00002

1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Construction Schedule

2020  
 8 hours/day  
 5 days/week  
 30.8 weeks/year  
 1232 hours/year  
 154 working days starting 6/1/2020

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2020	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions (tons/year)	Emissions (g/sec)	Emissions (g/m2-sec)
	Demolition	4.820E-03	9.868E-04	3.391E-08
	Site Preparation	9.060E-02	1.855E-02	6.374E-07
	Grading	3.150E-02	6.449E-03	2.216E-07
	Building Construction (2020)	3.370E-03	6.899E-04	2.371E-08
<b>Total</b>		<b>1.303E-01</b>	<b>2.667E-02</b>	<b>9.167E-07</b>

Offsite Construction Vehicle PM2.5 Emissions

2020	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions (tons/year)	Emissions (tons/year)	Emissions (tons/year)
	Demolition	1.580E-03	0.000E+00	3.200E-04
	Site Preparation	0.000E+00	0.000E+00	7.800E-04
	Grading	1.740E-02	0.000E+00	6.500E-04
	Building Construction (2020)	0.000E+00	1.290E-02	4.310E-02
<b>Total (tons/year)</b>		<b>1.898E-02</b>	<b>1.290E-02</b>	<b>4.485E-02</b>
Trip Distance assumed in CalEEMod (mi)		20.0	7.3	10.8
<b>Offsite Project Trip Distance Along Roadway Segment</b>				
	Project Site> Bascom>Hamilton>CA-17 N (mi)	0.75	0.75	0.75
	Project Site>Southway Express>I-280 (mi)	0.75	0.75	0.75
<b>Offsite Project Emissions Along Roadway Segment</b>				
	Project> Bascom>Hamilton>CA-17 N (tons/year)	3.566E-04	6.641E-04	1.561E-03
	Project>Southway Express>I-280 (tons/year)	3.555E-04	6.620E-04	1.556E-03
<b>Total Offsite Emissions Along Segments (tons/year)</b>		<b>7.121E-04</b>	<b>1.326E-03</b>	<b>3.116E-03</b>

Offsite Emissions Along Roadway Segment Analyzed	
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	2.581E-03
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	5.284E-04
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	2.573E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	5.268E-04
Total Offsite Project PM2.5 Emissions (tons/year)	5.155E-03
Total Offsite Project PM2.5 Emissions (grams/sec)	1.055E-03

Onsite PM2.5 Emissions (tons/year)	1.303E-01
Total Onsite PM2.5 Emissions (tons/year)	1.303E-01
Onsite PM2.5 Emissions (g/m2-sec)	9.167E-07

<b>Total PM2.5 (tons/year)</b>	<b>1.354E-01</b>
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1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Schedule

2021  
 8 hours/day  
 5 days/week  
 52.2 weeks/year  
 2088 hours/year  
 261 working days in 2021

Onsite Construction Area Source Size (m2): 29,097.7 from AERMOD

Onsite Construction PM2.5 Emissions

2021	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (g/sec)	Annual PM2.5 Total Emissions (g/m2-sec)
	Building Construction (2021)	1.460E-02	1.764E-03	6.061E-08
<b>Total</b>		<b>1.460E-02</b>	<b>1.764E-03</b>	<b>6.061E-08</b>

Offsite Construction Vehicle PM2.5 Emissions

2021	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)	Annual PM2.5 Total Emissions (tons/year)
	Building Construction (2021)	0.000E+00	5.420E-02	2.081E-01
<b>Total (tons/year)</b>		<b>0.000E+00</b>	<b>5.420E-02</b>	<b>2.081E-01</b>

2.623E-01

Trip Distance assumed in CalEEMod (mi) 20.0 7.3 10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi) 0.75 0.75 0.75  
 Project Site>Southway Express>I-280 (mi) 0.75 0.75 0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year) 0.000E+00 2.790E-03 7.241E-03  
 Project>Southway Express>I-280 (tons/year) 0.000E+00 2.782E-03 7.219E-03  
**Total Offsite Emissions Along Segments (tons/year) 0.000E+00 5.572E-03 1.446E-02**

Offsite Emissions Along Roadway Segment Analyzed

Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	1.003E-02
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	1.212E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	1.000E-02
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	1.208E-03
<b>Total Offsite Project PM2.5 Emissions (tons/year)</b>	<b>2.003E-02</b>
<b>Total Offsite Project PM2.5 Emissions (grams/sec)</b>	<b>2.420E-03</b>

Onsite PM2.5 Emissions (tons/year)	1.460E-02
<b>Total PM2.5 Onsite Emissions (tons/year)</b>	<b>1.460E-02</b>
Onsite PM2.5 Emissions (g/m2-sec)	6.061E-08

<b>Total PM2.5 (tons/year)</b>	<b>3.463E-02</b>
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1410 South Bascom Avenue Project

Tier IV Interim Mitigated Construction

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Construction Schedule

2022

8 hours/day  
5 days/week  
45.2 weeks/year  
1808 hours/year

226 working days ending 11/14/2022

Onsite Construction Area Source Size (m2):

29,097.7

from AERMOD

Onsite Construction PM2.5 Emissions

2022	Construction Activity	Onsite	Onsite	Onsite
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions	Emissions	Emissions
		(tons/year)	(g/sec)	(g/m2-sec)
	Building Construction (2022)	1.050E-02	1.465E-03	5.034E-08
	Architectural Coating	1.200E-04	1.674E-05	5.753E-10
	Paving	3.700E-04	5.162E-05	1.774E-09
	<b>Total</b>	<b>1.099E-02</b>	<b>1.533E-03</b>	<b>5.269E-08</b>

Offsite Construction Vehicle PM2.5 Emissions

2022	Construction Activity	Offsite Hauling	Offsite Vendor	Offsite Workers
		Annual PM2.5 Total	Annual PM2.5 Total	Annual PM2.5 Total
		Emissions	Emissions	Emissions
		(tons/year)	(tons/year)	(tons/year)
	Building Construction (2022)	0.000E+00	4.220E-02	1.642E-01
	Architectural Coating	0.000E+00	0.000E+00	9.560E-03
	Paving	0.000E+00	0.000E+00	3.200E-04
	<b>Total (tons/year)</b>	<b>0.000E+00</b>	<b>4.220E-02</b>	<b>1.741E-01</b>

2.163E-01

Trip Distance assumed in CalEEMod (mi)                      20.0                      7.3                      10.8

Offsite Project Trip Distance Along Roadway Segment

Project Site> Bascom>Hamilton>CA-17 N (mi)                      0.75                      0.75                      0.75  
Project Site>Southway Express>I-280 (mi)                      0.75                      0.75                      0.75

Offsite Project Emissions Along Roadway Segment

Project> Bascom>Hamilton>CA-17 N (tons/year)                      0.000E+00                      2.172E-03                      6.057E-03  
Project>Southway Express>I-280 (tons/year)                      0.000E+00                      2.166E-03                      6.039E-03

**Total Offsite Emissions Along Segments (tons/year)**                      **0.000E+00**                      **4.338E-03**                      **1.210E-02**

Offsite Emissions Along Roadway Segment Analyzed

Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (tons/year)	8.229E-03
Road Segment to CA-17 Total Offsite Project PM2.5 Emissions (grams/sec)	1.148E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (tons/year)	8.204E-03
Road Segment to I-280 Total Offsite Project PM2.5 Emissions (grams/sec)	1.145E-03
Total Offsite Project PM2.5 Emissions (tons/year)	1.643E-02
Total Offsite Project PM2.5 Emissions (grams/sec)	2.293E-03

Onsite PM2.5 Emissions (tons/year)	1.099E-02
Total Onsite PM2.5 Emissions (tons/year)	1.099E-02
Onsite PM2.5 Emissions (g/m2-sec)	5.269E-08

**Total PM2.5 (tons/year)**                      **2.742E-02**

# 1410 South Bascom Avenue Project

2020

Tier IV Interim Mitigated Construction at Sensitive Receptors

Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec): 9.16695E-07  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec): 5.28443E-04  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec): 5.26826E-04

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total Annual PM2.5 Total (ug/m3)
		Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00305	0.05879	3.10671E-05	0.03891	2.04988E-05	0.00310
593960.92	4129158.33	3639.06634	0.00334	0.05999	3.17013E-05	0.04232	2.22953E-05	0.00339
594008.73	4129158.33	3982.44153	0.00365	0.06107	3.22720E-05	0.04616	2.43183E-05	0.00371
594056.54	4129158.33	4355.83729	0.00399	0.06204	3.27846E-05	0.05049	2.65995E-05	0.00405
594104.35	4129158.33	4754.1984	0.00436	0.06287	3.32232E-05	0.05540	2.91862E-05	0.00442
594152.16	4129158.33	5171.19628	0.00474	0.06352	3.35667E-05	0.06096	3.21153E-05	0.00481
594199.97	4129158.33	5594.53203	0.00513	0.06388	3.37569E-05	0.06725	3.54291E-05	0.00520
594247.78	4129158.33	6004.09246	0.00550	0.06386	3.37463E-05	0.07437	3.91801E-05	0.00558
594295.59	4129158.33	6373.51698	0.00584	0.06345	3.35297E-05	0.08239	4.34052E-05	0.00592
594343.4	4129158.33	6674.07426	0.00612	0.06275	3.31598E-05	0.09131	4.81045E-05	0.00620
594391.21	4129158.33	6873.62872	0.00630	0.06185	3.26842E-05	0.10136	5.33991E-05	0.00639
594439.02	4129158.33	6951.56549	0.00637	0.06065	3.20500E-05	0.11262	5.93312E-05	0.00646
594486.83	4129158.33	6904.49051	0.00633	0.05898	3.11675E-05	0.12517	6.59429E-05	0.00643
594534.64	4129158.33	6727.25386	0.00617	0.05686	3.00472E-05	0.13927	7.33711E-05	0.00627
594582.45	4129158.33	6415.33047	0.00588	0.05494	2.90326E-05	0.15543	8.18846E-05	0.00599
594630.26	4129158.33	6008.16583	0.00551	0.05443	2.87631E-05	0.17405	9.16941E-05	0.00563
593913.11	4129192.59	3270.19406	0.00300	0.05557	2.93656E-05	0.03989	2.10151E-05	0.00305
593960.92	4129192.59	3555.71462	0.00326	0.05649	2.98517E-05	0.04330	2.28116E-05	0.00331
594008.73	4129192.59	3863.7514	0.00354	0.05727	3.02639E-05	0.04710	2.48135E-05	0.00360
594056.54	4129192.59	4191.06421	0.00384	0.05791	3.06021E-05	0.05139	2.70736E-05	0.00390
594104.35	4129192.59	4533.29631	0.00416	0.05844	3.08822E-05	0.05623	2.96234E-05	0.00422
594152.16	4129192.59	4880.00864	0.00447	0.05879	3.10671E-05	0.06166	3.24841E-05	0.00454
594199.97	4129192.59	5217.3588	0.00478	0.05890	3.11253E-05	0.06775	3.56925E-05	0.00485
594247.78	4129192.59	5526.09506	0.00507	0.05871	3.10249E-05	0.07458	3.92907E-05	0.00514
594295.59	4129192.59	5783.66201	0.00530	0.05823	3.07712E-05	0.08220	4.33051E-05	0.00538
594343.4	4129192.59	5967.64393	0.00547	0.05754	3.04066E-05	0.09067	4.77674E-05	0.00555
594391.21	4129192.59	6063.44808	0.00556	0.05668	2.99521E-05	0.10005	5.27090E-05	0.00564
594439.02	4129192.59	6063.30313	0.00556	0.05553	2.93444E-05	0.11042	5.81722E-05	0.00565
594486.83	4129192.59	5968.23517	0.00547	0.05391	2.84883E-05	0.12199	6.42676E-05	0.00556
594534.64	4129192.59	5779.52334	0.00530	0.05194	2.74473E-05	0.13496	7.11005E-05	0.00540
594582.45	4129192.59	5495.75797	0.00504	0.05029	2.65754E-05	0.14963	7.88290E-05	0.00514
594630.26	4129192.59	5152.86778	0.00472	0.04996	2.64010E-05	0.16629	8.76060E-05	0.00484
593913.11	4129226.85	3196.35742	0.00293	0.05249	2.77379E-05	0.04073	2.14576E-05	0.00298
593960.92	4129226.85	3454.53449	0.00317	0.05317	2.80973E-05	0.04413	2.32488E-05	0.00322
594008.73	4129226.85	3726.98995	0.00342	0.05368	2.83668E-05	0.04787	2.52192E-05	0.00347
594056.54	4129226.85	4010.32013	0.00368	0.05400	2.85359E-05	0.05210	2.74477E-05	0.00373
594104.35	4129226.85	4298.33572	0.00394	0.05428	2.86839E-05	0.05684	2.99448E-05	0.00400
594152.16	4129226.85	4579.67319	0.00420	0.05442	2.87578E-05	0.06212	3.27265E-05	0.00426
594199.97	4129226.85	4840.4703	0.00444	0.05437	2.87314E-05	0.06800	3.58242E-05	0.00450
594247.78	4129226.85	5063.63373	0.00464	0.05409	2.85835E-05	0.07452	3.92591E-05	0.00471
594295.59	4129226.85	5231.96273	0.00480	0.05360	2.83245E-05	0.08174	4.30628E-05	0.00487
594343.4	4129226.85	5331.45972	0.00489	0.05294	2.79757E-05	0.08970	4.72563E-05	0.00496
594391.21	4129226.85	5357.84087	0.00491	0.05221	2.75900E-05	0.09845	5.18661E-05	0.00499
594439.02	4129226.85	5312.73141	0.00487	0.05109	2.69981E-05	0.10809	5.69447E-05	0.00495
594486.83	4129226.85	5198.54687	0.00477	0.04952	2.61685E-05	0.11878	6.25764E-05	0.00485
594534.64	4129226.85	5014.19751	0.00460	0.04770	2.52067E-05	0.13071	6.88615E-05	0.00469
594582.45	4129226.85	4758.88666	0.00436	0.04628	2.44563E-05	0.14412	7.59262E-05	0.00446
594630.26	4129226.85	4464.94665	0.00409	0.04609	2.43559E-05	0.15928	8.39129E-05	0.00420
593913.11	4129261.11	3108.59307	0.00285	0.04951	2.61632E-05	0.04137	2.17948E-05	0.00290
593960.92	4129261.11	3338.75679	0.00306	0.04996	2.64010E-05	0.04475	2.35755E-05	0.00311
594008.73	4129261.11	3577.63236	0.00328	0.05028	2.65701E-05	0.04849	2.55458E-05	0.00333
594056.54	4129261.11	3819.32836	0.00350	0.05044	2.66546E-05	0.05264	2.77321E-05	0.00356
594104.35	4129261.11	4055.99067	0.00372	0.05053	2.67022E-05	0.05726	3.01661E-05	0.00377
594152.16	4129261.11	4278.26507	0.00392	0.05051	2.66916E-05	0.06237	3.28582E-05	0.00398
594199.97	4129261.11	4472.72286	0.00410	0.05036	2.66124E-05	0.06801	3.58295E-05	0.00416
594247.78	4129261.11	4625.61491	0.00424	0.05004	2.64433E-05	0.07422	3.91011E-05	0.00431
594295.59	4129261.11	4725.17221	0.00433	0.04958	2.62002E-05	0.08103	4.26887E-05	0.00440
594343.4	4129261.11	4765.32585	0.00437	0.04898	2.58831E-05	0.08850	4.66241E-05	0.00444
594391.21	4129261.11	4748.49589	0.00435	0.04821	2.54762E-05	0.09665	5.09178E-05	0.00443
594439.02	4129261.11	4680.08371	0.00429	0.04719	2.49372E-05	0.10561	5.56381E-05	0.00437
594486.83	4129261.11	4562.2956	0.00418	0.04569	2.41445E-05	0.11555	6.08748E-05	0.00427
594534.64	4129261.11	4390.15529	0.00402	0.04402	2.32620E-05	0.12654	6.66646E-05	0.00411
594582.45	4129261.11	4161.01157	0.00381	0.04279	2.26121E-05	0.13885	7.31498E-05	0.00391

594630.26	4129261.11	3907.88439	0.00358	0.04272	2.25751E-05	0.15267	8.04306E-05	0.00369
593913.11	4129295.37	3010.96052	0.00276	0.04670	2.46783E-05	0.04195	2.21004E-05	0.00281
593960.92	4129295.37	3213.77375	0.00295	0.04697	2.48209E-05	0.04528	2.38547E-05	0.00299
594008.73	4129295.37	3419.17377	0.00313	0.04711	2.48949E-05	0.04896	2.57934E-05	0.00319
594056.54	4129295.37	3621.2328	0.00332	0.04714	2.49108E-05	0.05302	2.79323E-05	0.00337
594104.35	4129295.37	3812.02748	0.00349	0.04707	2.48738E-05	0.05749	3.02873E-05	0.00355
594152.16	4129295.37	3982.19231	0.00365	0.04695	2.48104E-05	0.06241	3.28792E-05	0.00371
594199.97	4129295.37	4120.70662	0.00378	0.04675	2.47047E-05	0.06780	3.57188E-05	0.00384
594247.78	4129295.37	4217.62612	0.00387	0.04644	2.45409E-05	0.07369	3.88218E-05	0.00393
594295.59	4129295.37	4266.54886	0.00391	0.04602	2.43189E-05	0.08011	4.22041E-05	0.00398
594343.4	4129295.37	4267.09931	0.00391	0.04547	2.40283E-05	0.08711	4.58918E-05	0.00398
594391.21	4129295.37	4225.56372	0.00387	0.04476	2.36531E-05	0.09472	4.99010E-05	0.00395
594439.02	4129295.37	4147.26724	0.00380	0.04372	2.31035E-05	0.10305	5.42895E-05	0.00388
594486.83	4129295.37	4032.65954	0.00370	0.04231	2.23584E-05	0.11224	5.91310E-05	0.00378
594534.64	4129295.37	3873.56733	0.00355	0.04079	2.15552E-05	0.12243	6.44994E-05	0.00364
594582.45	4129295.37	3668.65647	0.00336	0.03974	2.10003E-05	0.13374	7.04578E-05	0.00345
594630.26	4129295.37	3451.22474	0.00316	0.03976	2.10109E-05	0.14635	7.71010E-05	0.00326
593913.11	4129329.63	2905.61573	0.00266	0.04408	2.32937E-05	0.04242	2.23480E-05	0.00271
593960.92	4129329.63	3081.42339	0.00282	0.04420	2.33572E-05	0.04569	2.40707E-05	0.00287
594008.73	4129329.63	3255.30194	0.00298	0.04417	2.33413E-05	0.04929	2.59673E-05	0.00303
594056.54	4129329.63	3420.98604	0.00314	0.04408	2.32937E-05	0.05324	2.80482E-05	0.00319
594104.35	4129329.63	3570.71664	0.00327	0.04394	2.32198E-05	0.05755	3.03189E-05	0.00333
594152.16	4129329.63	3695.11204	0.00339	0.04376	2.31246E-05	0.06227	3.28055E-05	0.00344
594199.97	4129329.63	3787.66027	0.00347	0.04354	2.30084E-05	0.06741	3.55134E-05	0.00353
594247.78	4129329.63	3841.94439	0.00352	0.04326	2.28604E-05	0.07298	3.84478E-05	0.00358
594295.59	4129329.63	3855.72439	0.00353	0.04290	2.26702E-05	0.07902	4.16298E-05	0.00360
594343.4	4129329.63	3831.60712	0.00351	0.04239	2.24007E-05	0.08557	4.50805E-05	0.00358
594391.21	4129329.63	3776.7637	0.00346	0.04166	2.20149E-05	0.09268	4.88263E-05	0.00353
594439.02	4129329.63	3697.76168	0.00339	0.04066	2.14865E-05	0.10044	5.29144E-05	0.00346
594486.83	4129329.63	3589.50583	0.00329	0.03933	2.07836E-05	0.10898	5.74135E-05	0.00337
594534.64	4129329.63	3443.27012	0.00316	0.03794	2.00491E-05	0.11840	6.23762E-05	0.00324
594582.45	4129329.63	3259.89454	0.00299	0.03706	1.95841E-05	0.12883	6.78710E-05	0.00308
594630.26	4129329.63	3070.55961	0.00281	0.03714	1.96264E-05	0.14040	7.39664E-05	0.00291
593913.11	4129363.89	2794.24888	0.00256	0.04161	2.19885E-05	0.04278	2.25376E-05	0.00261
593960.92	4129363.89	2944.73706	0.00270	0.04157	2.19674E-05	0.04599	2.42287E-05	0.00275
594008.73	4129363.89	3088.82511	0.00283	0.04146	2.19092E-05	0.04949	2.60726E-05	0.00288
594056.54	4129363.89	3220.72969	0.00295	0.04127	2.18088E-05	0.05331	2.80851E-05	0.00300
594104.35	4129363.89	3333.93858	0.00306	0.04107	2.17031E-05	0.05746	3.02714E-05	0.00311
594152.16	4129363.89	3421.32	0.00314	0.04087	2.15974E-05	0.06197	3.26474E-05	0.00319
594199.97	4129363.89	3477.31754	0.00319	0.04065	2.14812E-05	0.06684	3.52131E-05	0.00324
594247.78	4129363.89	3499.23104	0.00321	0.04041	2.13544E-05	0.07211	3.79895E-05	0.00327
594295.59	4129363.89	3488.52755	0.00320	0.04008	2.11800E-05	0.07779	4.09818E-05	0.00326
594343.4	4129363.89	3450.45043	0.00316	0.03960	2.09263E-05	0.08392	4.42113E-05	0.00323
594391.21	4129363.89	3393.04883	0.00311	0.03894	2.05776E-05	0.09056	4.77094E-05	0.00318
594439.02	4129363.89	3315.33438	0.00304	0.03792	2.00385E-05	0.09780	5.15236E-05	0.00311
594486.83	4129363.89	3215.0033	0.00295	0.03667	1.93780E-05	0.10573	5.57014E-05	0.00302
594534.64	4129363.89	3079.84599	0.00282	0.03543	1.87227E-05	0.11446	6.03006E-05	0.00290
594582.45	4129363.89	2914.79667	0.00267	0.03469	1.83317E-05	0.12409	6.53739E-05	0.00276
594630.26	4129363.89	2749.90437	0.00252	0.03483	1.84057E-05	0.13471	7.09688E-05	0.00261
593913.11	4129398.15	2679.16588	0.00246	0.03929	2.07625E-05	0.04304	2.26746E-05	0.00250
593960.92	4129398.15	2805.71598	0.00257	0.03916	2.06938E-05	0.04617	2.43236E-05	0.00262
594008.73	4129398.15	2922.43071	0.00268	0.03894	2.05776E-05	0.04957	2.61148E-05	0.00273
594056.54	4129398.15	3024.89769	0.00277	0.03872	2.04613E-05	0.05325	2.80535E-05	0.00282
594104.35	4129398.15	3106.84561	0.00285	0.03849	2.03398E-05	0.05723	3.01503E-05	0.00290
594152.16	4129398.15	3163.25502	0.00290	0.03828	2.02288E-05	0.06152	3.24104E-05	0.00295
594199.97	4129398.15	3191.13432	0.00293	0.03809	2.01284E-05	0.06614	3.48443E-05	0.00298
594247.78	4129398.15	3190.51454	0.00292	0.03788	2.00174E-05	0.07110	3.74574E-05	0.00298
594295.59	4129398.15	3164.98988	0.00290	0.03759	1.98642E-05	0.07644	4.02706E-05	0.00296
594343.4	4129398.15	3120.47854	0.00286	0.03714	1.96264E-05	0.08218	4.32946E-05	0.00292
594391.21	4129398.15	3062.53181	0.00281	0.03648	1.92776E-05	0.08839	4.65662E-05	0.00287
594439.02	4129398.15	2990.52245	0.00274	0.03549	1.87544E-05	0.09514	5.01223E-05	0.00281
594486.83	4129398.15	2896.17219	0.00265	0.03430	1.81256E-05	0.10253	5.40155E-05	0.00273
594534.64	4129398.15	2772.22801	0.00254	0.03319	1.75390E-05	0.11063	5.82828E-05	0.00262
594582.45	4129398.15	2622.96093	0.00240	0.03256	1.72061E-05	0.11951	6.29610E-05	0.00248
594630.26	4129398.15	2478.42565	0.00227	0.03274	1.73012E-05	0.12926	6.80976E-05	0.00236
593913.11	4129432.41	2561.58837	0.00235	0.03712	1.96158E-05	0.04320	2.27589E-05	0.00239
593960.92	4129432.41	2665.18662	0.00244	0.03688	1.94890E-05	0.04625	2.43657E-05	0.00249
594008.73	4129432.41	2758.14131	0.00253	0.03664	1.93621E-05	0.04953	2.60937E-05	0.00257
594056.54	4129432.41	2834.28901	0.00260	0.03638	1.92247E-05	0.05307	2.79587E-05	0.00265
594104.35	4129432.41	2889.27554	0.00265	0.03611	1.90821E-05	0.05688	2.99659E-05	0.00270
594152.16	4129432.41	2920.98242	0.00268	0.03592	1.89817E-05	0.06096	3.21153E-05	0.00273
594199.97	4129432.41	2927.9826	0.00268	0.03575	1.88918E-05	0.06533	3.44176E-05	0.00274
594247.78	4129432.41	2912.20412	0.00267	0.03558	1.88020E-05	0.07001	3.68831E-05	0.00273
594295.59	4129432.41	2878.44793	0.00264	0.03532	1.86646E-05	0.07501	3.95172E-05	0.00270
594343.4	4129432.41	2833.16773	0.00260	0.03492	1.84532E-05	0.08039	4.23516E-05	0.00266
594391.21	4129432.41	2777.68373	0.00255	0.03423	1.80886E-05	0.08619	4.54072E-05	0.00261
594439.02	4129432.41	2710.36066	0.00248	0.03328	1.75866E-05	0.09249	4.87262E-05	0.00255

594486.83	4129432.41	2622.77144	0.00240	0.03217	1.70000E-05	0.09937	5.23507E-05	0.00247
594534.64	4129432.41	2507.0008	0.00230	0.03118	1.64768E-05	0.10689	5.63125E-05	0.00237
594582.45	4129432.41	2371.93398	0.00217	0.03066	1.62020E-05	0.11509	6.06325E-05	0.00225
594630.26	4129432.41	2244.86631	0.00206	0.03087	1.63130E-05	0.12406	6.53581E-05	0.00214
593913.11	4129466.67	2442.81842	0.00224	0.03508	1.85378E-05	0.04329	2.28063E-05	0.00228
593960.92	4129466.67	2526.01782	0.00232	0.03480	1.83898E-05	0.04624	2.43605E-05	0.00236
594008.73	4129466.67	2596.84074	0.00238	0.03452	1.82418E-05	0.04940	2.60252E-05	0.00242
594056.54	4129466.67	2650.6604	0.00243	0.03422	1.80833E-05	0.05279	2.78112E-05	0.00248
594104.35	4129466.67	2684.5211	0.00246	0.03398	1.79565E-05	0.05642	2.97235E-05	0.00251
594152.16	4129466.67	2697.2728	0.00247	0.03380	1.78614E-05	0.06029	3.17624E-05	0.00252
594199.97	4129466.67	2689.52079	0.00247	0.03367	1.77927E-05	0.06442	3.39382E-05	0.00252
594247.78	4129466.67	2664.41613	0.00244	0.03353	1.77187E-05	0.06882	3.62562E-05	0.00250
594295.59	4129466.67	2627.13499	0.00241	0.03329	1.75919E-05	0.07352	3.87323E-05	0.00246
594343.4	4129466.67	2582.61901	0.00237	0.03287	1.73699E-05	0.07856	4.13875E-05	0.00243
594391.21	4129466.67	2531.16316	0.00232	0.03220	1.70158E-05	0.08399	4.42482E-05	0.00238
594439.02	4129466.67	2468.93545	0.00226	0.03130	1.65403E-05	0.08987	4.73459E-05	0.00233
594486.83	4129466.67	2386.32586	0.00219	0.03026	1.59907E-05	0.09627	5.07176E-05	0.00225
594534.64	4129466.67	2278.49181	0.00209	0.02937	1.55204E-05	0.10325	5.43948E-05	0.00216
594582.45	4129466.67	2155.90879	0.00198	0.02894	1.52931E-05	0.11082	5.83829E-05	0.00205
594630.26	4129466.67	2043.86383	0.00187	0.02917	1.54147E-05	0.11906	6.27240E-05	0.00195
594331.14	4128962.5	10756.5275	0.00986	0.11187	5.91169E-05	0.08454	4.45379E-05	0.00996
594357.05	4128962.5	11696.34847	0.01072	0.11295	5.96876E-05	0.09134	4.81203E-05	0.01083
594382.96	4128962.5	12703.20211	0.01164	0.11373	6.00998E-05	0.09884	5.20715E-05	0.01176
594408.87	4128962.5	13767.09477	0.01262	0.11417	6.03323E-05	0.10721	5.64811E-05	0.01274
594434.78	4128962.5	14873.43966	0.01363	0.11424	6.03693E-05	0.11645	6.13489E-05	0.01376
594460.69	4128962.5	15997.35705	0.01466	0.11391	6.01949E-05	0.12673	6.67647E-05	0.01479
594486.6	4128962.5	17102.81083	0.01568	0.11313	5.97827E-05	0.13815	7.27811E-05	0.01581
594331.14	4129004.55	9999.18611	0.00917	0.09806	5.18191E-05	0.08685	4.57549E-05	0.00926
594357.05	4129004.55	10706.43463	0.00981	0.09834	5.19670E-05	0.09342	4.92161E-05	0.00992
594382.96	4129004.55	11430.70746	0.01048	0.09837	5.19829E-05	0.10064	5.30198E-05	0.01058
594408.87	4129004.55	12161.59794	0.01115	0.09814	5.18614E-05	0.10848	5.71501E-05	0.01126
594434.78	4129004.55	12871.48049	0.01180	0.09768	5.16183E-05	0.11716	6.17230E-05	0.01191
594460.69	4129004.55	13538.46813	0.01241	0.09694	5.12272E-05	0.12666	6.67278E-05	0.01253
594486.6	4129004.55	14131.55259	0.01295	0.09590	5.06776E-05	0.13704	7.21963E-05	0.01308
594331.14	4129046.6	9088.17566	0.00833	0.08620	4.55517E-05	0.08831	4.65240E-05	0.00842
594357.05	4129046.6	9587.92969	0.00879	0.08603	4.54619E-05	0.09456	4.98167E-05	0.00888
594382.96	4129046.6	10076.53702	0.00924	0.08569	4.52822E-05	0.10130	5.33675E-05	0.00934
594408.87	4129046.6	10534.37744	0.00966	0.08519	4.50180E-05	0.10867	5.72502E-05	0.00976
594434.78	4129046.6	10949.16801	0.01004	0.08452	4.46640E-05	0.11663	6.14438E-05	0.01014
594460.69	4129046.6	11301.60731	0.01036	0.08367	4.42148E-05	0.12526	6.59903E-05	0.01047
594486.6	4129046.6	11574.10466	0.01061	0.08260	4.36494E-05	0.13455	7.08845E-05	0.01072
594331.14	4129088.65	8128.57624	0.00745	0.07617	4.02515E-05	0.08902	4.68981E-05	0.00754
594357.05	4129088.65	8461.06336	0.00776	0.07580	4.00559E-05	0.09484	4.99642E-05	0.00785
594382.96	4129088.65	8762.1723	0.00803	0.07531	3.97970E-05	0.10114	5.32832E-05	0.00813
594408.87	4129088.65	9023.59971	0.00827	0.07472	3.94852E-05	0.10792	5.68551E-05	0.00837
594434.78	4129088.65	9236.5497	0.00847	0.07402	3.91153E-05	0.11517	6.06746E-05	0.00857
594460.69	4129088.65	9390.17347	0.00861	0.07316	3.86609E-05	0.12296	6.47786E-05	0.00871
594486.6	4129088.65	9477.97718	0.00869	0.07212	3.81113E-05	0.13129	6.91670E-05	0.00880
594331.14	4129130.7	7190.33109	0.00659	0.06774	3.57967E-05	0.08911	4.69455E-05	0.00667
594357.05	4129130.7	7391.18408	0.00678	0.06730	3.55642E-05	0.09455	4.98114E-05	0.00686
594382.96	4129130.7	7558.82749	0.00693	0.06679	3.52947E-05	0.10036	5.28723E-05	0.00702
594408.87	4129130.7	7687.45303	0.00705	0.06619	3.49776E-05	0.10655	5.61334E-05	0.00714
594434.78	4129130.7	7774.89251	0.00713	0.06551	3.46183E-05	0.11312	5.95946E-05	0.00722
594460.69	4129130.7	7814.39426	0.00716	0.06468	3.41797E-05	0.12014	6.32929E-05	0.00726
594486.6	4129130.7	7805.20078	0.00715	0.06368	3.36512E-05	0.12763	6.72389E-05	0.00726
595047.1	4127721.65	1204.3118	0.00110	0.25974	1.37258E-04	0.01305	6.87508E-06	0.00125
595080.55	4127721.65	1313.14356	0.00120	0.25017	1.32200E-04	0.01382	7.28074E-06	0.00134
595047.1	4127745.31	1303.88273	0.00120	0.27822	1.47023E-04	0.01374	7.23860E-06	0.00135
595080.55	4127745.31	1417.93573	0.00130	0.26643	1.40793E-04	0.01450	7.63898E-06	0.00145
595047.1	4127768.97	1410.72275	0.00129	0.29747	1.57196E-04	0.01442	7.59684E-06	0.00146
595080.55	4127768.97	1534.334	0.00141	0.28303	1.49565E-04	0.01525	8.03410E-06	0.00156
595047.1	4127792.63	1531.44199	0.00140	0.31724	1.67643E-04	0.01518	7.99723E-06	0.00158
595080.55	4127792.63	1667.23955	0.00153	0.29973	1.58390E-04	0.01609	8.47664E-06	0.00170
595047.1	4127816.29	1668.40726	0.00153	0.33721	1.78196E-04	0.01605	8.45556E-06	0.00172
595080.55	4127816.29	1813.94437	0.00166	0.31620	1.67094E-04	0.01701	8.96132E-06	0.00184
595047.1	4127839.95	1818.1303	0.00167	0.35691	1.88606E-04	0.01694	8.92444E-06	0.00186
595080.55	4127839.95	1978.03313	0.00181	0.33199	1.75438E-04	0.01801	9.48814E-06	0.00200
595047.1	4127863.61	1986.25787	0.00182	0.37575	1.98562E-04	0.01792	9.44073E-06	0.00203
595080.55	4127863.61	2164.25203	0.00198	0.34660	1.83158E-04	0.01914	1.00835E-05	0.00218
595047.1	4127887.27	2180.53189	0.00200	0.39305	2.07704E-04	0.01904	1.00308E-05	0.00222
595080.55	4127887.27	2368.39745	0.00217	0.35946	1.89954E-04	0.02032	1.07051E-05	0.00237
595047.1	4127910.93	2397.32441	0.00220	0.40804	2.15626E-04	0.02028	1.06840E-05	0.00242
595080.55	4127910.93	2601.8667	0.00239	0.37013	1.95592E-04	0.02182	1.14954E-05	0.00259
595047.1	4127934.59	2642.63382	0.00242	0.42012	2.22009E-04	0.02163	1.13953E-05	0.00266
595080.55	4127934.59	2860.29851	0.00262	0.37825	1.99883E-04	0.02334	1.22961E-05	0.00283
595047.1	4127958.25	2918.94014	0.00268	0.42893	2.26665E-04	0.02333	1.22909E-05	0.00291
595080.55	4127958.25	3151.49857	0.00289	0.38376	2.02795E-04	0.02496	1.31496E-05	0.00310



595047.1	4127981.91	3230.75931	0.00296	0.43446	2.29587E-04	0.02499	1.31654E-05	0.00320
595080.55	4127981.91	3480.02718	0.00319	0.38686	2.04433E-04	0.02678	1.41084E-05	0.00341
595047.1	4128005.57	3585.19424	0.00329	0.43717	2.31019E-04	0.02684	1.41400E-05	0.00353
595080.55	4128005.57	3851.21343	0.00353	0.38798	2.05025E-04	0.02892	1.52358E-05	0.00375
595047.1	4128029.23	3988.82857	0.00366	0.43768	2.31289E-04	0.02899	1.52727E-05	0.00390
595080.55	4128029.23	4270.92812	0.00392	0.38756	2.04803E-04	0.03132	1.65002E-05	0.00414
595047.1	4128052.89	4449.15124	0.00408	0.43657	2.30702E-04	0.03151	1.66003E-05	0.00433
595080.55	4128052.89	4745.99388	0.00435	0.38603	2.03995E-04	0.03392	1.78700E-05	0.00457
594886.23	4127719.27	732.95751	0.00067	0.28756	1.51959E-04	0.01016	5.35256E-06	0.00083
594950.74	4127719.27	905.39004	0.00083	0.27979	1.47853E-04	0.01117	5.88465E-06	0.00098
594886.23	4127747.71	797.68447	0.00073	0.32384	1.71131E-04	0.01072	5.64758E-06	0.00091
594950.74	4127747.71	990.89209	0.00091	0.31045	1.64055E-04	0.01181	6.22182E-06	0.00108
594886.23	4127776.15	870.20768	0.00080	0.36520	1.92987E-04	0.01128	5.94260E-06	0.00100
594950.74	4127776.15	1087.27179	0.00100	0.34432	1.81953E-04	0.01248	6.57479E-06	0.00119
594886.23	4127804.59	955.05308	0.00088	0.41202	2.17729E-04	0.01194	6.29031E-06	0.00110
594950.74	4127804.59	1199.00869	0.00110	0.38140	2.01548E-04	0.01323	6.96991E-06	0.00131
594886.23	4127833.03	1051.2182	0.00096	0.46530	2.45884E-04	0.01263	6.65382E-06	0.00122
594950.74	4127833.03	1326.08826	0.00122	0.42169	2.22839E-04	0.01406	7.40718E-06	0.00145
594886.23	4127861.47	1163.64174	0.00107	0.52555	2.77723E-04	0.01341	7.06474E-06	0.00135
594950.74	4127861.47	1471.00302	0.00135	0.46469	2.45562E-04	0.01494	7.87079E-06	0.00160
594886.23	4127889.91	1290.60276	0.00118	0.59333	3.13541E-04	0.01424	7.50201E-06	0.00150
594950.74	4127889.91	1643.50625	0.00151	0.50914	2.69051E-04	0.01597	8.41342E-06	0.00178
594886.23	4127918.35	1440.53068	0.00132	0.66756	3.52767E-04	0.01519	8.00249E-06	0.00168
594950.74	4127918.35	1842.60656	0.00169	0.55279	2.92118E-04	0.01711	9.01400E-06	0.00199
594834.46	4127713.69	599.42186	0.00055	0.28127	1.48635E-04	0.00918	4.83627E-06	0.00070
594862.34	4127713.69	662.24207	0.00061	0.28184	1.48936E-04	0.00952	5.01539E-06	0.00076
594834.46	4127736.34	638.39268	0.00059	0.31171	1.64721E-04	0.00956	5.03646E-06	0.00075
594862.34	4127736.34	707.45587	0.00065	0.31088	1.64282E-04	0.00996	5.24719E-06	0.00082
594834.46	4127758.99	681.3002	0.00062	0.34605	1.82868E-04	0.00998	5.25773E-06	0.00081
594862.34	4127758.99	757.48546	0.00069	0.34333	1.81430E-04	0.01059	5.57909E-06	0.00088
594834.46	4127781.64	729.50679	0.00067	0.38474	2.03313E-04	0.01062	5.59490E-06	0.00088
594862.34	4127781.64	811.14164	0.00074	0.37979	2.00697E-04	0.01102	5.80563E-06	0.00095
594834.46	4127804.29	781.187	0.00072	0.42879	2.26591E-04	0.01106	5.82670E-06	0.00095
594862.34	4127804.29	872.63459	0.00080	0.42037	2.22141E-04	0.01153	6.07431E-06	0.00103
594834.46	4127826.94	840.56372	0.00077	0.47848	2.52849E-04	0.01158	6.10065E-06	0.00103
594862.34	4127826.94	946.11449	0.00086	0.46593	2.46217E-04	0.01205	6.34826E-06	0.00111
594834.46	4127849.59	905.74028	0.00083	0.53521	2.82828E-04	0.01210	6.37460E-06	0.00112
594862.34	4127849.59	1014.2069	0.00093	0.51715	2.73284E-04	0.01259	6.63274E-06	0.00121
594834.46	4127872.24	977.32135	0.00090	0.60021	3.17176E-04	0.01265	6.66435E-06	0.00122
594862.34	4127872.24	1097.14452	0.00101	0.57453	3.03606E-04	0.01318	6.94357E-06	0.00132
594834.46	4127894.89	1057.50765	0.00097	0.67464	3.56508E-04	0.01325	6.98045E-06	0.00133
594862.34	4127894.89	1193.70695	0.00109	0.63839	3.37352E-04	0.01385	7.29655E-06	0.00144
594834.46	4127917.54	1151.1834	0.00106	0.75950	4.01352E-04	0.01393	7.33869E-06	0.00146
594862.34	4127917.54	1301.14574	0.00119	0.70922	3.74782E-04	0.01458	7.68113E-06	0.00158
595026.39	4127722.45	1142.84781	0.00105	0.26595	1.40539E-04	0.01266	6.66962E-06	0.00119
595026.39	4127759.08	1289.7481	0.00118	0.29734	1.57127E-04	0.01363	7.18064E-06	0.00135
595026.39	4127795.71	1464.03341	0.00134	0.33090	1.74862E-04	0.01476	7.77596E-06	0.00152
595026.39	4127832.34	1670.18243	0.00153	0.36561	1.93204E-04	0.01602	8.43976E-06	0.00173
595026.39	4127868.97	1917.42714	0.00176	0.39953	2.11129E-04	0.01748	9.20893E-06	0.00198
595026.39	4127905.6	2218.5195	0.00203	0.42979	2.27119E-04	0.01918	1.01045E-05	0.00227
595026.39	4127942.23	2581.26466	0.00237	0.45310	2.39437E-04	0.02116	1.11476E-05	0.00262
595026.39	4127978.86	3024.00357	0.00277	0.46741	2.46999E-04	0.02348	1.23699E-05	0.00303
595026.39	4128015.49	3565.04646	0.00327	0.47322	2.50070E-04	0.02646	1.39398E-05	0.00353
595026.39	4128052.12	4229.31319	0.00388	0.47302	2.49964E-04	0.02983	1.57152E-05	0.00414
594967.92	4128313.02	16541.43183	0.01516	0.53498	2.82706E-04	0.08094	4.26413E-05	0.01549
594989.44	4128313.02	16854.84939	0.01545	0.48047	2.53901E-04	0.08633	4.54809E-05	0.01575
595010.96	4128313.02	17025.58736	0.01561	0.43373	2.29201E-04	0.09160	4.82573E-05	0.01588
595032.48	4128313.02	17066.0073	0.01564	0.39322	2.07794E-04	0.09659	5.08862E-05	0.01590
595054	4128313.02	16990.30851	0.01557	0.35776	1.89056E-04	0.10117	5.32990E-05	0.01582
595075.52	4128313.02	16813.49288	0.01541	0.32649	1.72531E-04	0.10533	5.54906E-05	0.01564
594967.92	4128341.65	20102.8328	0.01843	0.51959	2.74573E-04	0.09620	5.06807E-05	0.01875
594989.44	4128341.65	20267.42794	0.01858	0.46610	2.46307E-04	0.10243	5.39628E-05	0.01888
595010.96	4128341.65	20261.44809	0.01857	0.42019	2.22046E-04	0.10838	5.70974E-05	0.01885
595032.48	4128341.65	20105.85178	0.01843	0.38037	2.01004E-04	0.11389	6.00003E-05	0.01869
595054	4128341.65	19822.2504	0.01817	0.34551	1.82582E-04	0.11884	6.26081E-05	0.01842
595075.52	4128341.65	19432.18478	0.01781	0.31479	1.66348E-04	0.12322	6.49156E-05	0.01804
594967.92	4128370.28	24513.55515	0.02247	0.50321	2.65918E-04	0.11569	6.09485E-05	0.02280
594989.44	4128370.28	24412.58535	0.02238	0.45082	2.38232E-04	0.12292	6.47575E-05	0.02268
595010.96	4128370.28	24117.51233	0.02211	0.40565	2.14363E-04	0.12954	6.82451E-05	0.02239
595032.48	4128370.28	23659.51281	0.02169	0.36627	1.93553E-04	0.13530	7.12796E-05	0.02195
595054	4128370.28	23072.67444	0.02115	0.33194	1.75411E-04	0.14051	7.40244E-05	0.02140
595075.52	4128370.28	22385.60466	0.02052	0.30183	1.59500E-04	0.14519	7.64899E-05	0.02076
594967.92	4128398.91	29921.98485	0.02743	0.48563	2.56628E-04	0.14086	7.42088E-05	0.02776
594989.44	4128398.91	29378.45114	0.02693	0.43390	2.29291E-04	0.14893	7.84603E-05	0.02724
595010.96	4128398.91	28637.15035	0.02625	0.38938	2.05765E-04	0.15614	8.22587E-05	0.02654
595032.48	4128398.91	27741.07095	0.02543	0.35072	1.85335E-04	0.16242	8.55671E-05	0.02570
595054	4128398.91	26729.61885	0.02450	0.31691	1.67469E-04	0.16773	8.83646E-05	0.02476

595075.52	4128398.91	25638.91294	0.02350	0.28728	1.51811E-04	0.17214	9.06879E-05	0.02375
594967.92	4128427.54	36442.06638	0.03341	0.46655	2.46545E-04	0.17554	9.24791E-05	0.03375
594989.44	4128427.54	35210.63185	0.03228	0.41460	2.19092E-04	0.18341	9.66252E-05	0.03259
595010.96	4128427.54	33815.69897	0.03100	0.37069	1.95888E-04	0.19087	1.00555E-04	0.03130
595032.48	4128427.54	32304.04015	0.02961	0.33259	1.75755E-04	0.19700	1.03785E-04	0.02989
595054	4128427.54	30724.25058	0.02816	0.29956	1.58300E-04	0.20193	1.06382E-04	0.02843
595075.52	4128427.54	29114.00551	0.02669	0.27079	1.43097E-04	0.20565	1.08342E-04	0.02694
595000.73	4128430.99	35205.57503	0.03227	0.38819	2.05136E-04	0.19233	1.01325E-04	0.03258
595032.09	4128430.99	32912.424	0.03017	0.33089	1.74856E-04	0.20173	1.06277E-04	0.03045
595063.45	4128430.99	30487.05172	0.02795	0.28428	1.50226E-04	0.20836	1.09770E-04	0.02821
595000.73	4128448.25	38907.37005	0.03567	0.37546	1.98409E-04	0.21995	1.15875E-04	0.03598
595032.09	4128448.25	35891.60055	0.03290	0.31856	1.68341E-04	0.22827	1.20259E-04	0.03319
595063.45	4128448.25	32848.31361	0.03011	0.27270	1.44106E-04	0.23390	1.23225E-04	0.03038
595000.73	4128465.51	42814.54276	0.03925	0.36143	1.90995E-04	0.25361	1.33608E-04	0.03957
595032.09	4128465.51	38966.57109	0.03572	0.30520	1.61281E-04	0.25918	1.36543E-04	0.03602
595063.45	4128465.51	35223.06874	0.03229	0.26033	1.37569E-04	0.26316	1.38640E-04	0.03257
595056.55	4128477.03	37709.55747	0.03457	0.26077	1.37802E-04	0.28426	1.49756E-04	0.03486
595097.42	4128477.03	32540.89955	0.02983	0.21417	1.13177E-04	0.28272	1.48944E-04	0.03009
595138.29	4128477.03	27935.99348	0.02561	0.17846	9.43059E-05	0.27763	1.46263E-04	0.02585
595056.55	4128506.38	41754.49939	0.03828	0.23755	1.25532E-04	0.35150	1.85179E-04	0.03859
595097.42	4128506.38	35119.54814	0.03219	0.19474	1.02909E-04	0.34023	1.79242E-04	0.03248
595138.29	4128506.38	29460.78009	0.02701	0.16208	8.56500E-05	0.32526	1.71356E-04	0.02726
595185.07	4128542.78	24098.20111	0.02209	0.11801	6.23615E-05	0.35917	1.89220E-04	0.02234
595200.24	4128542.78	22374.12096	0.02051	0.11159	5.89689E-05	0.34935	1.84047E-04	0.02075
595215.41	4128542.78	20783.01697	0.01905	0.10566	5.58352E-05	0.33992	1.79079E-04	0.01929
595230.58	4128542.78	19318.92178	0.01771	0.10028	5.29922E-05	0.33089	1.74322E-04	0.01794
595245.75	4128542.78	17972.54385	0.01648	0.09534	5.03817E-05	0.32239	1.69844E-04	0.01670
595260.92	4128542.78	16733.93174	0.01534	0.09079	4.79773E-05	0.31420	1.65529E-04	0.01555
595276.09	4128542.78	15594.51672	0.01430	0.08659	4.57578E-05	0.30639	1.61414E-04	0.01450
595291.26	4128542.78	14545.85546	0.01333	0.08271	4.37075E-05	0.29888	1.57458E-04	0.01354
595306.43	4128542.78	13580.11812	0.01245	0.07912	4.18104E-05	0.29156	1.53602E-04	0.01264
595321.6	4128542.78	12690.62415	0.01163	0.07577	4.00401E-05	0.28452	1.49893E-04	0.01182
595185.07	4128563.98	23622.66877	0.02165	0.10927	5.77429E-05	0.39103	2.06005E-04	0.02192
595200.24	4128563.98	21840.47853	0.02002	0.10371	5.48048E-05	0.37916	1.99752E-04	0.02028
595215.41	4128563.98	20198.0596	0.01852	0.09848	5.20410E-05	0.36771	1.93719E-04	0.01876
595230.58	4128563.98	18696.63614	0.01714	0.09352	4.94199E-05	0.35665	1.87893E-04	0.01738
595245.75	4128563.98	17326.28086	0.01588	0.08906	4.70631E-05	0.34636	1.82472E-04	0.01611
595260.92	4128563.98	16074.93778	0.01474	0.08494	4.48859E-05	0.33656	1.77309E-04	0.01496
595276.09	4128563.98	14931.91172	0.01369	0.08114	4.28778E-05	0.32730	1.72430E-04	0.01390
595291.26	4128563.98	13886.5965	0.01273	0.07757	4.09913E-05	0.31836	1.67720E-04	0.01294
595306.43	4128563.98	12930.42436	0.01185	0.07432	3.92738E-05	0.30992	1.63274E-04	0.01206
595321.6	4128563.98	12055.43104	0.01105	0.07133	3.76938E-05	0.30196	1.59081E-04	0.01125
595185.07	4128585.18	22758.27007	0.02086	0.10115	5.34520E-05	0.42368	2.23206E-04	0.02114
595200.24	4128585.18	20963.03566	0.01922	0.09631	5.08943E-05	0.40992	2.15957E-04	0.01948
595215.41	4128585.18	19314.43984	0.01771	0.09169	4.84529E-05	0.39643	2.08850E-04	0.01796
595230.58	4128585.18	17815.86469	0.01633	0.08740	4.61859E-05	0.38358	2.02080E-04	0.01658
595245.75	4128585.18	16455.63903	0.01508	0.08329	4.40140E-05	0.37114	1.95526E-04	0.01532
595260.92	4128585.18	15221.56636	0.01395	0.07953	4.20270E-05	0.35953	1.89410E-04	0.01418
595276.09	4128585.18	14101.78812	0.01293	0.07610	4.02145E-05	0.34877	1.83741E-04	0.01315
595291.26	4128585.18	13084.14242	0.01199	0.07291	3.85287E-05	0.33865	1.78410E-04	0.01221
595306.43	4128585.18	12158.65802	0.01115	0.06996	3.69698E-05	0.32903	1.73342E-04	0.01136
595321.6	4128585.18	11316.54041	0.01037	0.06725	3.55378E-05	0.31999	1.68579E-04	0.01058
595185.07	4128606.38	21488.6272	0.01970	0.09348	4.93988E-05	0.45680	2.40654E-04	0.01999
595200.24	4128606.38	19727.39454	0.01808	0.08927	4.71741E-05	0.44114	2.32404E-04	0.01836
595215.41	4128606.38	18130.16873	0.01662	0.08527	4.50603E-05	0.42605	2.24454E-04	0.01689
595230.58	4128606.38	16689.0506	0.01530	0.08155	4.30945E-05	0.41162	2.16852E-04	0.01556
595245.75	4128606.38	15386.342	0.01410	0.07808	4.12608E-05	0.39759	2.09461E-04	0.01436

# 1410 South Bascom Avenue Project

2021

Tier IV Interim Mitigated Construction at Sensitive Receptors

## Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec): 6.06104E-08  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec): 1.21169E-03  
 Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec): 1.20798E-03

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total Annual PM2.5 Total (ug/m3)
		Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00020	0.05879	7.12352E-05	0.03891	4.70026E-05	0.00032
593960.92	4129158.33	3639.06634	0.00022	0.05999	7.26892E-05	0.04232	5.11218E-05	0.00034
594008.73	4129158.33	3982.44153	0.00024	0.06107	7.39978E-05	0.04616	5.57605E-05	0.00037
594056.54	4129158.33	4355.83729	0.00026	0.06204	7.51732E-05	0.05049	6.09911E-05	0.00040
594104.35	4129158.33	4754.1984	0.00029	0.06287	7.61789E-05	0.05540	6.69222E-05	0.00043
594152.16	4129158.33	5171.19628	0.00031	0.06352	7.69665E-05	0.06096	7.36386E-05	0.00046
594199.97	4129158.33	5594.53203	0.00034	0.06388	7.74027E-05	0.06725	8.12368E-05	0.00050
594247.78	4129158.33	6004.09246	0.00036	0.06386	7.73784E-05	0.07437	8.98377E-05	0.00053
594295.59	4129158.33	6373.51698	0.00039	0.06345	7.68816E-05	0.08239	9.95257E-05	0.00056
594343.4	4129158.33	6674.07426	0.00040	0.06275	7.60335E-05	0.09131	1.10301E-04	0.00059
594391.21	4129158.33	6873.62872	0.00042	0.06185	7.49429E-05	0.10136	1.22441E-04	0.00061
594439.02	4129158.33	6951.56549	0.00042	0.06065	7.34889E-05	0.11262	1.36043E-04	0.00063
594486.83	4129158.33	6904.49051	0.00042	0.05898	7.14654E-05	0.12517	1.51203E-04	0.00064
594534.64	4129158.33	6727.25386	0.00041	0.05686	6.88966E-05	0.13927	1.68236E-04	0.00064
594582.45	4129158.33	6415.33047	0.00039	0.05494	6.65702E-05	0.15543	1.87757E-04	0.00064
594630.26	4129158.33	6008.16583	0.00036	0.05443	6.59522E-05	0.17405	2.10249E-04	0.00064
593913.11	4129192.59	3270.19406	0.00020	0.05557	6.73335E-05	0.03989	4.81864E-05	0.00031
593960.92	4129192.59	3555.71462	0.00022	0.05649	6.84483E-05	0.04330	5.23057E-05	0.00034
594008.73	4129192.59	3863.7514	0.00023	0.05727	6.93934E-05	0.04710	5.68960E-05	0.00036
594056.54	4129192.59	4191.06421	0.00025	0.05791	7.01689E-05	0.05139	6.20782E-05	0.00039
594104.35	4129192.59	4533.29631	0.00027	0.05844	7.08111E-05	0.05623	6.79249E-05	0.00041
594152.16	4129192.59	4880.00864	0.00030	0.05879	7.12352E-05	0.06166	7.44842E-05	0.00044
594199.97	4129192.59	5217.3588	0.00032	0.05890	7.13684E-05	0.06775	8.18408E-05	0.00047
594247.78	4129192.59	5526.09506	0.00033	0.05871	7.11382E-05	0.07458	9.00914E-05	0.00050
594295.59	4129192.59	5783.66201	0.00035	0.05823	7.05566E-05	0.08220	9.92962E-05	0.00052
594343.4	4129192.59	5967.64393	0.00036	0.05754	6.97206E-05	0.09067	1.09528E-04	0.00054
594391.21	4129192.59	6063.44808	0.00037	0.05668	6.86785E-05	0.10005	1.20859E-04	0.00056
594439.02	4129192.59	6063.30313	0.00037	0.05553	6.72851E-05	0.11042	1.33385E-04	0.00057
594486.83	4129192.59	5968.23517	0.00036	0.05391	6.53221E-05	0.12199	1.47362E-04	0.00057
594534.64	4129192.59	5779.52334	0.00035	0.05194	6.29351E-05	0.13496	1.63029E-04	0.00058
594582.45	4129192.59	5495.75797	0.00033	0.05029	6.09358E-05	0.14963	1.80750E-04	0.00057
594630.26	4129192.59	5152.86778	0.00031	0.04996	6.05360E-05	0.16629	2.00875E-04	0.00057
593913.11	4129226.85	3196.35742	0.00019	0.05249	6.36015E-05	0.04073	4.92011E-05	0.00031
593960.92	4129226.85	3454.53449	0.00021	0.05317	6.44255E-05	0.04413	5.33083E-05	0.00033
594008.73	4129226.85	3726.98995	0.00023	0.05368	6.50434E-05	0.04787	5.78261E-05	0.00035
594056.54	4129226.85	4010.32013	0.00024	0.05400	6.54312E-05	0.05210	6.29359E-05	0.00037
594104.35	4129226.85	4298.33572	0.00026	0.05428	6.57704E-05	0.05684	6.86617E-05	0.00039
594152.16	4129226.85	4579.67319	0.00028	0.05442	6.59401E-05	0.06212	7.50399E-05	0.00042
594199.97	4129226.85	4840.4703	0.00029	0.05437	6.58795E-05	0.06800	8.21428E-05	0.00044
594247.78	4129226.85	5063.63373	0.00031	0.05409	6.55402E-05	0.07452	9.00189E-05	0.00046
594295.59	4129226.85	5231.96273	0.00032	0.05360	6.49465E-05	0.08174	9.87405E-05	0.00048
594343.4	4129226.85	5331.45972	0.00032	0.05294	6.41468E-05	0.08970	1.08356E-04	0.00050
594391.21	4129226.85	5357.84087	0.00032	0.05221	6.32623E-05	0.09845	1.18926E-04	0.00051
594439.02	4129226.85	5312.73141	0.00032	0.05109	6.19052E-05	0.10809	1.30571E-04	0.00051
594486.83	4129226.85	5198.54687	0.00032	0.04952	6.00028E-05	0.11878	1.43484E-04	0.00052
594534.64	4129226.85	5014.19751	0.00030	0.04770	5.77975E-05	0.13071	1.57895E-04	0.00052
594582.45	4129226.85	4758.88666	0.00029	0.04628	5.60769E-05	0.14412	1.74094E-04	0.00052
594630.26	4129226.85	4464.94665	0.00027	0.04609	5.58467E-05	0.15928	1.92408E-04	0.00052
593913.11	4129261.11	3108.59307	0.00019	0.04951	5.99907E-05	0.04137	4.99742E-05	0.00030
593960.92	4129261.11	3338.75679	0.00020	0.04996	6.05360E-05	0.04475	5.40572E-05	0.00032
594008.73	4129261.11	3577.63236	0.00022	0.05028	6.09237E-05	0.04849	5.85751E-05	0.00034
594056.54	4129261.11	3819.32836	0.00023	0.05044	6.11176E-05	0.05264	6.35882E-05	0.00036
594104.35	4129261.11	4055.99067	0.00025	0.05053	6.12266E-05	0.05726	6.91691E-05	0.00038
594152.16	4129261.11	4278.26507	0.00026	0.05051	6.12024E-05	0.06237	7.53419E-05	0.00040
594199.97	4129261.11	4472.72286	0.00027	0.05036	6.10206E-05	0.06801	8.21549E-05	0.00041
594247.78	4129261.11	4625.61491	0.00028	0.05004	6.06329E-05	0.07422	8.96565E-05	0.00043
594295.59	4129261.11	4725.17221	0.00029	0.04958	6.00755E-05	0.08103	9.78828E-05	0.00044
594343.4	4129261.11	4765.32585	0.00029	0.04898	5.93485E-05	0.08850	1.06906E-04	0.00046
594391.21	4129261.11	4748.49589	0.00029	0.04821	5.84155E-05	0.09665	1.16752E-04	0.00046
594439.02	4129261.11	4680.08371	0.00028	0.04719	5.71796E-05	0.10561	1.27575E-04	0.00047
594486.83	4129261.11	4562.2956	0.00028	0.04569	5.53620E-05	0.11555	1.39582E-04	0.00047
594534.64	4129261.11	4390.15529	0.00027	0.04402	5.33385E-05	0.12654	1.52858E-04	0.00047
594582.45	4129261.11	4161.01157	0.00025	0.04279	5.18481E-05	0.13885	1.67728E-04	0.00047

594630.26	4129261.11	3907.88439	0.00024	0.04272	5.17633E-05	0.15267	1.84423E-04	0.00047
593913.11	4129295.37	3010.96052	0.00018	0.04670	5.65859E-05	0.04195	5.06749E-05	0.00029
593960.92	4129295.37	3213.77375	0.00019	0.04697	5.69130E-05	0.04528	5.46975E-05	0.00031
594008.73	4129295.37	3419.17377	0.00021	0.04711	5.70826E-05	0.04896	5.91428E-05	0.00032
594056.54	4129295.37	3621.2328	0.00022	0.04714	5.71190E-05	0.05302	6.40472E-05	0.00034
594104.35	4129295.37	3812.02748	0.00023	0.04707	5.70342E-05	0.05749	6.94469E-05	0.00036
594152.16	4129295.37	3982.19231	0.00024	0.04695	5.68888E-05	0.06241	7.53902E-05	0.00037
594199.97	4129295.37	4120.70662	0.00025	0.04675	5.66464E-05	0.06780	8.19012E-05	0.00039
594247.78	4129295.37	4217.62612	0.00026	0.04644	5.62708E-05	0.07369	8.90163E-05	0.00040
594295.59	4129295.37	4266.54886	0.00026	0.04602	5.57619E-05	0.08011	9.67715E-05	0.00041
594343.4	4129295.37	4267.09931	0.00026	0.04547	5.50955E-05	0.08711	1.05227E-04	0.00042
594391.21	4129295.37	4225.56372	0.00026	0.04476	5.42352E-05	0.09472	1.14420E-04	0.00042
594439.02	4129295.37	4147.26724	0.00025	0.04372	5.29750E-05	0.10305	1.24483E-04	0.00043
594486.83	4129295.37	4032.65954	0.00024	0.04231	5.12665E-05	0.11224	1.35584E-04	0.00043
594534.64	4129295.37	3873.56733	0.00023	0.04079	4.94248E-05	0.12243	1.47893E-04	0.00043
594582.45	4129295.37	3668.65647	0.00022	0.03974	4.81525E-05	0.13374	1.61556E-04	0.00043
594630.26	4129295.37	3451.22474	0.00021	0.03976	4.81767E-05	0.14635	1.76788E-04	0.00043
593913.11	4129329.63	2905.61573	0.00018	0.04408	5.34112E-05	0.04242	5.12426E-05	0.00028
593960.92	4129329.63	3081.42339	0.00019	0.04420	5.35566E-05	0.04569	5.51927E-05	0.00030
594008.73	4129329.63	3255.30194	0.00020	0.04417	5.35203E-05	0.04929	5.95415E-05	0.00031
594056.54	4129329.63	3420.98604	0.00021	0.04408	5.34112E-05	0.05324	6.43130E-05	0.00033
594104.35	4129329.63	3570.71664	0.00022	0.04394	5.32416E-05	0.05755	6.95194E-05	0.00034
594152.16	4129329.63	3695.11204	0.00022	0.04376	5.30235E-05	0.06227	7.52211E-05	0.00035
594199.97	4129329.63	3787.66027	0.00023	0.04354	5.27569E-05	0.06741	8.14301E-05	0.00036
594247.78	4129329.63	3841.94439	0.00023	0.04326	5.24176E-05	0.07298	8.81586E-05	0.00037
594295.59	4129329.63	3855.72439	0.00023	0.04290	5.19814E-05	0.07902	9.54548E-05	0.00038
594343.4	4129329.63	3831.60712	0.00023	0.04239	5.13635E-05	0.08557	1.03367E-04	0.00039
594391.21	4129329.63	3776.7637	0.00023	0.04166	5.04789E-05	0.09268	1.11956E-04	0.00039
594439.02	4129329.63	3697.76168	0.00022	0.04066	4.92673E-05	0.10044	1.21330E-04	0.00039
594486.83	4129329.63	3589.50583	0.00022	0.03933	4.76557E-05	0.10898	1.31646E-04	0.00040
594534.64	4129329.63	3443.27012	0.00021	0.03794	4.59715E-05	0.11840	1.43025E-04	0.00040
594582.45	4129329.63	3259.89454	0.00020	0.03706	4.49052E-05	0.12883	1.55624E-04	0.00040
594630.26	4129329.63	3070.55961	0.00019	0.03714	4.50021E-05	0.14040	1.69601E-04	0.00040
593913.11	4129363.89	2794.24888	0.00017	0.04161	5.04184E-05	0.04278	5.16775E-05	0.00027
593960.92	4129363.89	2944.73706	0.00018	0.04157	5.03699E-05	0.04599	5.55551E-05	0.00028
594008.73	4129363.89	3088.82511	0.00019	0.04146	5.02366E-05	0.04949	5.97831E-05	0.00030
594056.54	4129363.89	3220.72969	0.00020	0.04127	5.00064E-05	0.05331	6.43976E-05	0.00031
594104.35	4129363.89	3333.93858	0.00020	0.04107	4.97640E-05	0.05746	6.94107E-05	0.00032
594152.16	4129363.89	3421.32	0.00021	0.04087	4.95217E-05	0.06197	7.48587E-05	0.00033
594199.97	4129363.89	3477.31754	0.00021	0.04065	4.92551E-05	0.06684	8.07416E-05	0.00034
594247.78	4129363.89	3499.23104	0.00021	0.04041	4.89643E-05	0.07211	8.71076E-05	0.00035
594295.59	4129363.89	3488.52755	0.00021	0.04008	4.85645E-05	0.07779	9.39690E-05	0.00035
594343.4	4129363.89	3450.45043	0.00021	0.03960	4.79829E-05	0.08392	1.01374E-04	0.00036
594391.21	4129363.89	3393.04883	0.00021	0.03894	4.71831E-05	0.09056	1.09395E-04	0.00036
594439.02	4129363.89	3315.33438	0.00020	0.03792	4.59472E-05	0.09780	1.18141E-04	0.00037
594486.83	4129363.89	3215.0033	0.00019	0.03667	4.44326E-05	0.10573	1.27720E-04	0.00037
594534.64	4129363.89	3079.84599	0.00019	0.03543	4.29301E-05	0.11446	1.38266E-04	0.00037
594582.45	4129363.89	2914.79667	0.00018	0.03469	4.20335E-05	0.12409	1.49899E-04	0.00037
594630.26	4129363.89	2749.90437	0.00017	0.03483	4.22031E-05	0.13471	1.62727E-04	0.00037
593913.11	4129398.15	2679.16588	0.00016	0.03929	4.76072E-05	0.04304	5.19916E-05	0.00026
593960.92	4129398.15	2805.71598	0.00017	0.03916	4.74497E-05	0.04617	5.57726E-05	0.00027
594008.73	4129398.15	2922.43071	0.00018	0.03894	4.71831E-05	0.04957	5.98797E-05	0.00028
594056.54	4129398.15	3024.89769	0.00018	0.03872	4.69166E-05	0.05325	6.43251E-05	0.00029
594104.35	4129398.15	3106.84561	0.00019	0.03849	4.66379E-05	0.05723	6.91329E-05	0.00030
594152.16	4129398.15	3163.25502	0.00019	0.03828	4.63834E-05	0.06152	7.43151E-05	0.00031
594199.97	4129398.15	3191.13432	0.00019	0.03809	4.61532E-05	0.06614	7.98960E-05	0.00032
594247.78	4129398.15	3190.51454	0.00019	0.03788	4.58988E-05	0.07110	8.58876E-05	0.00033
594295.59	4129398.15	3164.98988	0.00019	0.03759	4.55474E-05	0.07644	9.23382E-05	0.00033
594343.4	4129398.15	3120.47854	0.00019	0.03714	4.50021E-05	0.08218	9.92720E-05	0.00033
594391.21	4129398.15	3062.53181	0.00019	0.03648	4.42024E-05	0.08839	1.06774E-04	0.00034
594439.02	4129398.15	2990.52245	0.00018	0.03549	4.30028E-05	0.09514	1.14927E-04	0.00034
594486.83	4129398.15	2896.17219	0.00018	0.03430	4.15609E-05	0.10253	1.23854E-04	0.00034
594534.64	4129398.15	2772.22801	0.00017	0.03319	4.02159E-05	0.11063	1.33639E-04	0.00034
594582.45	4129398.15	2622.96093	0.00016	0.03256	3.94526E-05	0.11951	1.44366E-04	0.00034
594630.26	4129398.15	2478.42565	0.00015	0.03274	3.96707E-05	0.12926	1.56144E-04	0.00035
593913.11	4129432.41	2561.58837	0.00016	0.03712	4.49779E-05	0.04320	5.21849E-05	0.00025
593960.92	4129432.41	2665.18662	0.00016	0.03688	4.46871E-05	0.04625	5.58692E-05	0.00026
594008.73	4129432.41	2758.14131	0.00017	0.03664	4.43963E-05	0.04953	5.98314E-05	0.00027
594056.54	4129432.41	2834.28901	0.00017	0.03638	4.40812E-05	0.05307	6.41076E-05	0.00028
594104.35	4129432.41	2889.27554	0.00018	0.03611	4.37541E-05	0.05688	6.87101E-05	0.00029
594152.16	4129432.41	2920.98242	0.00018	0.03592	4.35238E-05	0.06096	7.36386E-05	0.00029
594199.97	4129432.41	2927.9826	0.00018	0.03575	4.33179E-05	0.06533	7.89175E-05	0.00030
594247.78	4129432.41	2912.20412	0.00018	0.03558	4.31119E-05	0.07001	8.45709E-05	0.00030
594295.59	4129432.41	2878.44793	0.00017	0.03532	4.27968E-05	0.07501	9.06108E-05	0.00031
594343.4	4129432.41	2833.16773	0.00017	0.03492	4.23122E-05	0.08039	9.71097E-05	0.00031
594391.21	4129432.41	2777.68373	0.00017	0.03423	4.14761E-05	0.08619	1.04116E-04	0.00031
594439.02	4129432.41	2710.36066	0.00016	0.03328	4.03250E-05	0.09249	1.11726E-04	0.00032

594486.83	4129432.41	2622.77144	0.00016	0.03217	3.89800E-05	0.09937	1.20037E-04	0.00032
594534.64	4129432.41	2507.0008	0.00015	0.03118	3.77804E-05	0.10689	1.29121E-04	0.00032
594582.45	4129432.41	2371.93398	0.00014	0.03066	3.71504E-05	0.11509	1.39027E-04	0.00032
594630.26	4129432.41	2244.86631	0.00014	0.03087	3.74048E-05	0.12406	1.49862E-04	0.00032
593913.11	4129466.67	2442.81842	0.00015	0.03508	4.25060E-05	0.04329	5.22936E-05	0.00024
593960.92	4129466.67	2526.01782	0.00015	0.03480	4.21668E-05	0.04624	5.58571E-05	0.00025
594008.73	4129466.67	2596.84074	0.00016	0.03452	4.18275E-05	0.04940	5.96744E-05	0.00026
594056.54	4129466.67	2650.6604	0.00016	0.03422	4.14640E-05	0.05279	6.37694E-05	0.00027
594104.35	4129466.67	2684.5211	0.00016	0.03398	4.11732E-05	0.05642	6.81544E-05	0.00027
594152.16	4129466.67	2697.2728	0.00016	0.03380	4.09551E-05	0.06029	7.28293E-05	0.00028
594199.97	4129466.67	2689.52079	0.00016	0.03367	4.07976E-05	0.06442	7.78183E-05	0.00028
594247.78	4129466.67	2664.41613	0.00016	0.03353	4.06279E-05	0.06882	8.31334E-05	0.00029
594295.59	4129466.67	2627.13499	0.00016	0.03329	4.03371E-05	0.07352	8.88109E-05	0.00029
594343.4	4129466.67	2582.61901	0.00016	0.03287	3.98282E-05	0.07856	9.48991E-05	0.00029
594391.21	4129466.67	2531.16316	0.00015	0.03220	3.90164E-05	0.08399	1.01458E-04	0.00029
594439.02	4129466.67	2468.93545	0.00015	0.03130	3.79258E-05	0.08987	1.08561E-04	0.00030
594486.83	4129466.67	2386.32586	0.00014	0.03026	3.66657E-05	0.09627	1.16293E-04	0.00030
594534.64	4129466.67	2278.49181	0.00014	0.02937	3.55873E-05	0.10325	1.24724E-04	0.00030
594582.45	4129466.67	2155.90879	0.00013	0.02894	3.50663E-05	0.11082	1.33869E-04	0.00030
594630.26	4129466.67	2043.86383	0.00012	0.02917	3.53450E-05	0.11906	1.43822E-04	0.00030
594331.14	4128962.5	10756.5275	0.00065	0.11187	1.35552E-04	0.08454	1.02123E-04	0.00089
594357.05	4128962.5	11696.34847	0.00071	0.11295	1.36860E-04	0.09134	1.10337E-04	0.00096
594382.96	4128962.5	12703.20211	0.00077	0.11373	1.37805E-04	0.09884	1.19397E-04	0.00103
594408.87	4128962.5	13767.09477	0.00083	0.11417	1.38338E-04	0.10721	1.29508E-04	0.00110
594434.78	4128962.5	14873.43966	0.00090	0.11424	1.38423E-04	0.11645	1.40670E-04	0.00118
594460.69	4128962.5	15997.35705	0.00097	0.11391	1.38023E-04	0.12673	1.53088E-04	0.00126
594486.6	4128962.5	17102.81083	0.00104	0.11313	1.37078E-04	0.13815	1.66883E-04	0.00134
594331.14	4129004.55	9999.18611	0.00061	0.09806	1.18818E-04	0.08685	1.04913E-04	0.00083
594357.05	4129004.55	10706.43463	0.00065	0.09834	1.19157E-04	0.09342	1.12850E-04	0.00088
594382.96	4129004.55	11430.70746	0.00069	0.09837	1.19194E-04	0.10064	1.21571E-04	0.00093
594408.87	4129004.55	12161.59794	0.00074	0.09814	1.18915E-04	0.10848	1.31042E-04	0.00099
594434.78	4129004.55	12871.48049	0.00078	0.09768	1.18358E-04	0.11716	1.41527E-04	0.00104
594460.69	4129004.55	13538.46813	0.00082	0.09694	1.17461E-04	0.12666	1.53003E-04	0.00109
594486.6	4129004.55	14131.55259	0.00086	0.09590	1.16201E-04	0.13704	1.65542E-04	0.00114
594331.14	4129046.6	9088.17566	0.00055	0.08620	1.04448E-04	0.08831	1.06677E-04	0.00076
594357.05	4129046.6	9587.92969	0.00058	0.08603	1.04242E-04	0.09456	1.14227E-04	0.00080
594382.96	4129046.6	10076.53702	0.00061	0.08569	1.03830E-04	0.10130	1.22369E-04	0.00084
594408.87	4129046.6	10534.37744	0.00064	0.08519	1.03224E-04	0.10867	1.31271E-04	0.00087
594434.78	4129046.6	10949.16801	0.00066	0.08452	1.02412E-04	0.11663	1.40887E-04	0.00091
594460.69	4129046.6	11301.60731	0.00068	0.08367	1.01382E-04	0.12526	1.51312E-04	0.00094
594486.6	4129046.6	11574.10466	0.00070	0.08260	1.00085E-04	0.13455	1.62534E-04	0.00096
594331.14	4129088.65	8128.57624	0.00049	0.07617	9.22943E-05	0.08902	1.07535E-04	0.00069
594357.05	4129088.65	8461.06336	0.00051	0.07580	9.18460E-05	0.09484	1.14565E-04	0.00072
594382.96	4129088.65	8762.1723	0.00053	0.07531	9.12523E-05	0.10114	1.22175E-04	0.00074
594408.87	4129088.65	9023.59971	0.00055	0.07472	9.05374E-05	0.10792	1.30366E-04	0.00077
594434.78	4129088.65	9236.5497	0.00056	0.07402	8.96892E-05	0.11517	1.39123E-04	0.00079
594460.69	4129088.65	9390.17347	0.00057	0.07316	8.86471E-05	0.12296	1.48534E-04	0.00081
594486.6	4129088.65	9477.97718	0.00057	0.07212	8.73870E-05	0.13129	1.58596E-04	0.00082
594331.14	4129130.7	7190.33109	0.00044	0.06774	8.20798E-05	0.08911	1.07643E-04	0.00063
594357.05	4129130.7	7391.18408	0.00045	0.06730	8.15466E-05	0.09455	1.14215E-04	0.00064
594382.96	4129130.7	7558.82749	0.00046	0.06679	8.09287E-05	0.10036	1.21233E-04	0.00066
594408.87	4129130.7	7687.45303	0.00047	0.06619	8.02017E-05	0.10655	1.28711E-04	0.00067
594434.78	4129130.7	7774.89251	0.00047	0.06551	7.93777E-05	0.11312	1.36647E-04	0.00069
594460.69	4129130.7	7814.39426	0.00047	0.06468	7.83720E-05	0.12014	1.45127E-04	0.00070
594486.6	4129130.7	7805.20078	0.00047	0.06368	7.71603E-05	0.12763	1.54175E-04	0.00070
595047.1	4127721.65	1204.3118	0.00007	0.25974	3.14724E-04	0.01305	1.57642E-05	0.00040
595080.55	4127721.65	1313.14356	0.00008	0.25017	3.03128E-04	0.01382	1.66943E-05	0.00040
595047.1	4127745.31	1303.88273	0.00008	0.27822	3.37116E-04	0.01374	1.65977E-05	0.00043
595080.55	4127745.31	1417.93573	0.00009	0.26643	3.22830E-04	0.01450	1.75158E-05	0.00043
595047.1	4127768.97	1410.72275	0.00009	0.29747	3.60441E-04	0.01442	1.74191E-05	0.00046
595080.55	4127768.97	1534.334	0.00009	0.28303	3.42944E-04	0.01525	1.84217E-05	0.00045
595047.1	4127792.63	1531.44199	0.00009	0.31724	3.84396E-04	0.01518	1.83372E-05	0.00050
595080.55	4127792.63	1667.23955	0.00010	0.29973	3.63179E-04	0.01609	1.94364E-05	0.00048
595047.1	4127816.29	1668.40726	0.00010	0.33721	4.08593E-04	0.01605	1.93881E-05	0.00053
595080.55	4127816.29	1813.94437	0.00011	0.31620	3.83136E-04	0.01701	2.05478E-05	0.00051
595047.1	4127839.95	1818.1303	0.00011	0.35691	4.32464E-04	0.01694	2.04632E-05	0.00056
595080.55	4127839.95	1978.03313	0.00012	0.33199	4.02268E-04	0.01801	2.17558E-05	0.00054
595047.1	4127863.61	1986.25787	0.00012	0.37575	4.55292E-04	0.01792	2.16471E-05	0.00060
595080.55	4127863.61	2164.25203	0.00013	0.34660	4.19971E-04	0.01914	2.31208E-05	0.00057
595047.1	4127887.27	2180.53189	0.00013	0.39305	4.76254E-04	0.01904	2.30000E-05	0.00063
595080.55	4127887.27	2368.39745	0.00014	0.35946	4.35554E-04	0.02032	2.45462E-05	0.00060
595047.1	4127910.93	2397.32441	0.00015	0.40804	4.94417E-04	0.02028	2.44979E-05	0.00066
595080.55	4127910.93	2601.8667	0.00016	0.37013	4.48482E-04	0.02182	2.63582E-05	0.00063
595047.1	4127934.59	2642.63382	0.00016	0.42012	5.09055E-04	0.02163	2.61287E-05	0.00070
595080.55	4127934.59	2860.29851	0.00017	0.37825	4.58321E-04	0.02334	2.81943E-05	0.00066
595047.1	4127958.25	2918.94014	0.00018	0.42893	5.19730E-04	0.02333	2.81822E-05	0.00072
595080.55	4127958.25	3151.49857	0.00019	0.38376	4.64998E-04	0.02496	3.01513E-05	0.00069

595047.1	4127981.91	3230.75931	0.00020	0.43446	5.26430E-04	0.02499	3.01875E-05	0.00075
595080.55	4127981.91	3480.02718	0.00021	0.38686	4.68754E-04	0.02678	3.23498E-05	0.00071
595047.1	4128005.57	3585.19424	0.00022	0.43717	5.29714E-04	0.02684	3.24223E-05	0.00078
595080.55	4128005.57	3851.21343	0.00023	0.38798	4.70111E-04	0.02892	3.49349E-05	0.00074
595047.1	4128029.23	3988.82857	0.00024	0.43768	5.30332E-04	0.02899	3.50194E-05	0.00081
595080.55	4128029.23	4270.92812	0.00026	0.38756	4.69602E-04	0.03132	3.78340E-05	0.00077
595047.1	4128052.89	4449.15124	0.00027	0.43657	5.28987E-04	0.03151	3.80635E-05	0.00084
595080.55	4128052.89	4745.99388	0.00029	0.38603	4.67748E-04	0.03392	4.09748E-05	0.00080
594886.23	4127719.27	732.95751	0.00004	0.28756	3.48433E-04	0.01016	1.22731E-05	0.00041
594950.74	4127719.27	905.39004	0.00005	0.27979	3.39018E-04	0.01117	1.34932E-05	0.00041
594886.23	4127747.71	797.68447	0.00005	0.32384	3.92393E-04	0.01072	1.29496E-05	0.00045
594950.74	4127747.71	990.89209	0.00006	0.31045	3.76169E-04	0.01181	1.42663E-05	0.00045
594886.23	4127776.15	870.20768	0.00005	0.36520	4.42509E-04	0.01128	1.36260E-05	0.00051
594950.74	4127776.15	1087.27179	0.00007	0.34432	4.17209E-04	0.01248	1.50756E-05	0.00050
594886.23	4127804.59	955.05308	0.00006	0.41202	4.99240E-04	0.01194	1.44233E-05	0.00057
594950.74	4127804.59	1199.00869	0.00007	0.38140	4.62138E-04	0.01323	1.59816E-05	0.00055
594886.23	4127833.03	1051.2182	0.00006	0.46530	5.63799E-04	0.01263	1.52568E-05	0.00064
594950.74	4127833.03	1326.08826	0.00008	0.42169	5.10957E-04	0.01406	1.69842E-05	0.00061
594886.23	4127861.47	1163.64174	0.00007	0.52555	6.36803E-04	0.01341	1.61990E-05	0.00072
594950.74	4127861.47	1471.00302	0.00009	0.46469	5.63060E-04	0.01494	1.80473E-05	0.00067
594886.23	4127889.91	1290.60276	0.00008	0.59333	7.18931E-04	0.01424	1.72017E-05	0.00081
594950.74	4127889.91	1643.50625	0.00010	0.50914	6.16919E-04	0.01597	1.92915E-05	0.00074
594886.23	4127918.35	1440.53068	0.00009	0.66756	8.08875E-04	0.01519	1.83493E-05	0.00091
594950.74	4127918.35	1842.60656	0.00011	0.55279	6.69809E-04	0.01711	2.06686E-05	0.00080
594834.46	4127713.69	599.42186	0.00004	0.28127	3.40812E-04	0.00918	1.10893E-05	0.00039
594862.34	4127713.69	662.24207	0.00004	0.28184	3.41502E-04	0.00952	1.15000E-05	0.00039
594834.46	4127736.34	638.39268	0.00004	0.31171	3.77695E-04	0.00956	1.15483E-05	0.00043
594862.34	4127736.34	707.45587	0.00004	0.31088	3.76690E-04	0.00996	1.20315E-05	0.00043
594834.46	4127758.99	681.3002	0.00004	0.34605	4.19305E-04	0.00998	1.20557E-05	0.00047
594862.34	4127758.99	757.48546	0.00005	0.34333	4.16009E-04	0.01059	1.27925E-05	0.00047
594834.46	4127781.64	729.50679	0.00004	0.38474	4.66185E-04	0.01062	1.28288E-05	0.00052
594862.34	4127781.64	811.14164	0.00005	0.37979	4.60187E-04	0.01102	1.33120E-05	0.00052
594834.46	4127804.29	781.187	0.00005	0.42879	5.19560E-04	0.01106	1.33603E-05	0.00058
594862.34	4127804.29	872.63459	0.00005	0.42037	5.09357E-04	0.01153	1.39280E-05	0.00058
594834.46	4127826.94	840.56372	0.00005	0.47848	5.79769E-04	0.01158	1.39884E-05	0.00064
594862.34	4127826.94	940.11449	0.00006	0.46593	5.64562E-04	0.01205	1.45562E-05	0.00064
594834.46	4127849.59	905.74028	0.00005	0.53521	6.48508E-04	0.01210	1.46166E-05	0.00072
594862.34	4127849.59	1014.2069	0.00006	0.51715	6.26625E-04	0.01259	1.52085E-05	0.00070
594834.46	4127872.24	977.32135	0.00006	0.60021	7.27268E-04	0.01265	1.52810E-05	0.00080
594862.34	4127872.24	1097.14452	0.00007	0.57453	6.96151E-04	0.01318	1.59212E-05	0.00078
594834.46	4127894.89	1057.50765	0.00006	0.67464	8.17453E-04	0.01325	1.60058E-05	0.00090
594862.34	4127894.89	1193.70695	0.00007	0.63839	7.73530E-04	0.01385	1.67306E-05	0.00086
594834.46	4127917.54	1151.1834	0.00007	0.75950	9.20277E-04	0.01393	1.68272E-05	0.00101
594862.34	4127917.54	1301.14574	0.00008	0.70922	8.59354E-04	0.01458	1.76124E-05	0.00096
595026.39	4127722.45	1142.84781	0.00007	0.26595	3.2249E-04	0.01266	1.52931E-05	0.00041
595026.39	4127759.08	1289.7481	0.00008	0.29734	3.60283E-04	0.01363	1.64648E-05	0.00045
595026.39	4127795.71	1464.03341	0.00009	0.33090	4.00948E-04	0.01476	1.78298E-05	0.00051
595026.39	4127832.34	1670.18243	0.00010	0.36561	4.43005E-04	0.01602	1.93519E-05	0.00056
595026.39	4127868.97	1917.42714	0.00012	0.39953	4.84106E-04	0.01748	2.11155E-05	0.00062
595026.39	4127905.6	2218.5195	0.00013	0.42979	5.20772E-04	0.01918	2.31691E-05	0.00068
595026.39	4127942.23	2581.26466	0.00016	0.45310	5.49016E-04	0.02116	2.55609E-05	0.00073
595026.39	4127978.86	3024.00357	0.00018	0.46741	5.66355E-04	0.02348	2.83634E-05	0.00078
595026.39	4128015.49	3565.04646	0.00022	0.47322	5.73395E-04	0.02646	3.19632E-05	0.00082
595026.39	4128052.12	4229.31319	0.00026	0.47302	5.73153E-04	0.02983	3.60341E-05	0.00087
594967.92	4128313.02	16541.43183	0.00100	0.53498	6.48229E-04	0.08094	9.77741E-05	0.00175
594989.44	4128313.02	16854.84939	0.00102	0.48047	5.82180E-04	0.08633	1.04285E-04	0.00171
595010.96	4128313.02	17025.58736	0.00103	0.43373	5.25546E-04	0.09160	1.10651E-04	0.00167
595032.48	4128313.02	17066.0073	0.00103	0.39322	4.76460E-04	0.09659	1.16679E-04	0.00163
595054	4128313.02	16990.30851	0.00103	0.35776	4.33494E-04	0.10117	1.22212E-04	0.00159
595075.52	4128313.02	16813.49288	0.00102	0.32649	3.95604E-04	0.10533	1.27237E-04	0.00154
594967.92	4128341.65	20102.8328	0.00122	0.51959	6.29581E-04	0.09620	1.16208E-04	0.00196
594989.44	4128341.65	20267.42794	0.00123	0.46610	5.64768E-04	0.10243	1.23734E-04	0.00192
595010.96	4128341.65	20261.44809	0.00123	0.42019	5.09139E-04	0.10838	1.30921E-04	0.00187
595032.48	4128341.65	20105.85178	0.00122	0.38037	4.60890E-04	0.11389	1.37577E-04	0.00182
595054	4128341.65	19822.2504	0.00120	0.34551	4.18650E-04	0.11884	1.43557E-04	0.00176
595075.52	4128341.65	19432.18478	0.00118	0.31479	3.81427E-04	0.12322	1.48848E-04	0.00171
594967.92	4128370.28	24513.55515	0.00149	0.50321	6.09734E-04	0.11569	1.39752E-04	0.00224
594989.44	4128370.28	24412.58535	0.00148	0.45082	5.46253E-04	0.12292	1.48485E-04	0.00217
595010.96	4128370.28	24117.51233	0.00146	0.40565	4.91521E-04	0.12954	1.56482E-04	0.00211
595032.48	4128370.28	23659.51281	0.00143	0.36627	4.43805E-04	0.13530	1.63440E-04	0.00204
595054	4128370.28	23072.67444	0.00140	0.33194	4.02208E-04	0.14051	1.69734E-04	0.00197
595075.52	4128370.28	22385.60466	0.00136	0.30183	3.65724E-04	0.14519	1.75387E-04	0.00190
594967.92	4128398.91	29921.98485	0.00181	0.48563	5.88432E-04	0.14086	1.70156E-04	0.00257
594989.44	4128398.91	29378.45114	0.00178	0.43390	5.25752E-04	0.14893	1.79905E-04	0.00249
595010.96	4128398.91	28637.15035	0.00174	0.38938	4.71807E-04	0.15614	1.88614E-04	0.00240
595032.48	4128398.91	27741.07095	0.00168	0.35072	4.24963E-04	0.16242	1.96201E-04	0.00230
595054	4128398.91	26729.61885	0.00162	0.31691	3.83996E-04	0.16773	2.02615E-04	0.00221

595075.52	4128398.91	25638.91294	0.00155	0.28728	3.48094E-04	0.17214	2.07942E-04	0.00211
594967.92	4128427.54	36442.06638	0.00221	0.46655	5.65313E-04	0.17554	2.12049E-04	0.00299
594989.44	4128427.54	35210.63185	0.00213	0.41460	5.02366E-04	0.18341	2.21556E-04	0.00286
595010.96	4128427.54	33815.69897	0.00205	0.37069	4.49161E-04	0.19087	2.30568E-04	0.00273
595032.48	4128427.54	32304.04015	0.00196	0.33259	4.02995E-04	0.19700	2.37973E-04	0.00260
595054	4128427.54	30724.25058	0.00186	0.29956	3.62973E-04	0.20193	2.43928E-04	0.00247
595075.52	4128427.54	29114.00551	0.00176	0.27079	3.28113E-04	0.20565	2.48422E-04	0.00234
595000.73	4128430.99	35205.57503	0.00213	0.38819	4.70365E-04	0.19233	2.32331E-04	0.00284
595032.09	4128430.99	32912.424	0.00199	0.33089	4.00936E-04	0.20173	2.43686E-04	0.00264
595063.45	4128430.99	30487.05172	0.00185	0.28428	3.44459E-04	0.20836	2.51695E-04	0.00244
595000.73	4128448.25	38907.37005	0.00236	0.37546	4.54941E-04	0.21995	2.65696E-04	0.00308
595032.09	4128448.25	35891.60055	0.00218	0.31856	3.85995E-04	0.22827	2.75746E-04	0.00284
595063.45	4128448.25	32848.31361	0.00199	0.27270	3.30427E-04	0.23390	2.82547E-04	0.00260
595000.73	4128465.51	42814.54276	0.00260	0.36143	4.37941E-04	0.25361	3.06357E-04	0.00334
595032.09	4128465.51	38966.57109	0.00236	0.30520	3.69807E-04	0.25918	3.13085E-04	0.00304
595063.45	4128465.51	35223.06874	0.00213	0.26033	3.15439E-04	0.26316	3.17893E-04	0.00277
595056.55	4128477.03	37709.55747	0.00229	0.26077	3.15972E-04	0.28426	3.43381E-04	0.00294
595097.42	4128477.03	32540.89955	0.00197	0.21417	2.59507E-04	0.28272	3.41521E-04	0.00257
595138.29	4128477.03	27935.99348	0.00169	0.17846	2.16238E-04	0.27763	3.35372E-04	0.00224
595056.55	4128506.38	41754.49939	0.00253	0.23755	2.87837E-04	0.35150	4.24606E-04	0.00324
595097.42	4128506.38	35119.54814	0.00213	0.19474	2.35964E-04	0.34023	4.10992E-04	0.00278
595138.29	4128506.38	29460.78009	0.00179	0.16208	1.96390E-04	0.32526	3.92908E-04	0.00237
595185.07	4128542.78	24098.20111	0.00146	0.11801	1.42991E-04	0.35917	4.33871E-04	0.00204
595200.24	4128542.78	22374.12096	0.00136	0.11159	1.35212E-04	0.34935	4.22009E-04	0.00191
595215.41	4128542.78	20783.01697	0.00126	0.10566	1.28027E-04	0.33992	4.10618E-04	0.00180
595230.58	4128542.78	19318.92178	0.00117	0.10028	1.21508E-04	0.33089	3.99709E-04	0.00169
595245.75	4128542.78	17972.54385	0.00109	0.09534	1.15522E-04	0.32239	3.89442E-04	0.00159
595260.92	4128542.78	16733.93174	0.00101	0.09079	1.10009E-04	0.31420	3.79548E-04	0.00150
595276.09	4128542.78	15594.51672	0.00095	0.08659	1.04920E-04	0.30639	3.70114E-04	0.00142
595291.26	4128542.78	14545.85546	0.00088	0.08271	1.00219E-04	0.29888	3.61042E-04	0.00134
595306.43	4128542.78	13580.11812	0.00082	0.07912	9.58688E-05	0.29156	3.52199E-04	0.00127
595321.6	4128542.78	12690.62415	0.00077	0.07577	9.18096E-05	0.28452	3.43695E-04	0.00120
595185.07	4128563.98	23622.66877	0.00143	0.10927	1.32401E-04	0.39103	4.72358E-04	0.00204
595200.24	4128563.98	21840.47853	0.00132	0.10371	1.25664E-04	0.37916	4.58019E-04	0.00191
595215.41	4128563.98	20198.0596	0.00122	0.09848	1.19327E-04	0.36771	4.44187E-04	0.00179
595230.58	4128563.98	18696.63614	0.00113	0.09352	1.13317E-04	0.35665	4.30827E-04	0.00168
595245.75	4128563.98	17326.28086	0.00105	0.08906	1.07913E-04	0.34636	4.18397E-04	0.00158
595260.92	4128563.98	16074.93778	0.00097	0.08494	1.02921E-04	0.33656	4.06559E-04	0.00148
595276.09	4128563.98	14931.91172	0.00091	0.08114	9.83164E-05	0.32730	3.95373E-04	0.00140
595291.26	4128563.98	13886.5965	0.00084	0.07757	9.39907E-05	0.31836	3.84573E-04	0.00132
595306.43	4128563.98	12930.42436	0.00078	0.07432	9.00527E-05	0.30992	3.74378E-04	0.00125
595321.6	4128563.98	12055.43104	0.00073	0.07133	8.64297E-05	0.30196	3.64762E-04	0.00118
595185.07	4128585.18	22758.27007	0.00138	0.10115	1.22562E-04	0.42368	5.11798E-04	0.00201
595200.24	4128585.18	20963.03566	0.00127	0.09631	1.16698E-04	0.40992	4.95176E-04	0.00188
595215.41	4128585.18	19314.43984	0.00117	0.09169	1.11100E-04	0.39643	4.78881E-04	0.00176
595230.58	4128585.18	17815.86469	0.00108	0.08740	1.05902E-04	0.38358	4.63358E-04	0.00165
595245.75	4128585.18	16455.63903	0.00100	0.08329	1.00922E-04	0.37114	4.48331E-04	0.00155
595260.92	4128585.18	15221.56636	0.00092	0.07953	9.63656E-05	0.35953	4.34306E-04	0.00145
595276.09	4128585.18	14101.78812	0.00085	0.07610	9.22095E-05	0.34877	4.21308E-04	0.00137
595291.26	4128585.18	13084.14242	0.00079	0.07291	8.83442E-05	0.33865	4.09083E-04	0.00129
595306.43	4128585.18	12158.65802	0.00074	0.06996	8.47697E-05	0.32903	3.97463E-04	0.00122
595321.6	4128585.18	11316.54041	0.00069	0.06725	8.14860E-05	0.31999	3.86542E-04	0.00115
595185.07	4128606.38	21488.6272	0.00130	0.09348	1.13269E-04	0.45680	5.51807E-04	0.00197
595200.24	4128606.38	19727.39454	0.00120	0.08927	1.08167E-04	0.44114	5.32890E-04	0.00184
595215.41	4128606.38	18130.16873	0.00110	0.08527	1.03321E-04	0.42605	5.14661E-04	0.00172
595230.58	4128606.38	16689.0506	0.00101	0.08155	9.88132E-05	0.41162	4.97230E-04	0.00161
595245.75	4128606.38	15386.342	0.00093	0.07808	9.46086E-05	0.39759	4.80282E-04	0.00151

# 1410 South Bascom Avenue Project

2022

Tier IV Interim Mitigated Construction at Sensitive Receptors

## Construction Annual PM2.5 Total (Exhaust + Fugitive Dust)

Annual Average Onsite PM2.5 Total Emission Rate (grams/m2/sec):	5.26895E-08
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to CA-17 (grams/m2/sec):	1.14803E-03
Annual Average Offsite PM2.5 Total Emission Rate - Road Segment to I-280 (grams/m2/sec):	1.14452E-03

X (m)	Y (m)	Onsite	Onsite	Offsite CA-17 Segment	Offsite CA-17 Segment	Offsite I-280 Segment	Offsite I-280 Segment	Total Annual PM2.5 Total (ug/m3)
		Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	Annual PM2.5 Total w/Unit Emissions (ug/m3)	Annual PM2.5 Total w/Actual Emissions (ug/m3)	
593913.11	4129158.33	3325.66817	0.00018	0.05879	6.74928E-05	0.03891	4.45333E-05	0.00029
593960.92	4129158.33	3639.06634	0.00019	0.05999	6.88704E-05	0.04232	4.84361E-05	0.00031
594008.73	4129158.33	3982.44153	0.00021	0.06107	7.01103E-05	0.04616	5.28311E-05	0.00033
594056.54	4129158.33	4355.83729	0.00023	0.06204	7.12239E-05	0.05049	5.77868E-05	0.00036
594104.35	4129158.33	4754.1984	0.00025	0.06287	7.21767E-05	0.05540	6.34064E-05	0.00039
594152.16	4129158.33	5171.19628	0.00027	0.06352	7.29230E-05	0.06096	6.97700E-05	0.00042
594199.97	4129158.33	5594.53203	0.00029	0.06388	7.33363E-05	0.06725	7.69690E-05	0.00045
594247.78	4129158.33	6004.09246	0.00032	0.06386	7.33133E-05	0.07437	8.51180E-05	0.00047
594295.59	4129158.33	6373.51698	0.00034	0.06345	7.28426E-05	0.08239	9.42970E-05	0.00050
594343.4	4129158.33	6674.07426	0.00035	0.06275	7.20390E-05	0.09131	1.04506E-04	0.00053
594391.21	4129158.33	6873.62872	0.00036	0.06185	7.10058E-05	0.10136	1.16009E-04	0.00055
594439.02	4129158.33	6951.56549	0.00037	0.06065	6.96281E-05	0.11262	1.28896E-04	0.00056
594486.83	4129158.33	6904.49051	0.00036	0.05898	6.77109E-05	0.12517	1.43260E-04	0.00057
594534.64	4129158.33	6727.25386	0.00035	0.05686	6.52771E-05	0.13927	1.59397E-04	0.00058
594582.45	4129158.33	6415.33047	0.00034	0.05494	6.30729E-05	0.15543	1.77893E-04	0.00058
594630.26	4129158.33	6008.16583	0.00032	0.05443	6.24874E-05	0.17405	1.99204E-04	0.00058
593913.11	4129192.59	3270.19406	0.00017	0.05557	6.37961E-05	0.03989	4.56549E-05	0.00028
593960.92	4129192.59	3555.71462	0.00019	0.05649	6.48523E-05	0.04330	4.95577E-05	0.00030
594008.73	4129192.59	3863.7514	0.00020	0.05727	6.57478E-05	0.04710	5.39069E-05	0.00032
594056.54	4129192.59	4191.06421	0.00022	0.05791	6.64825E-05	0.05139	5.88169E-05	0.00035
594104.35	4129192.59	4533.29631	0.00024	0.05844	6.70910E-05	0.05623	6.43564E-05	0.00037
594152.16	4129192.59	4880.00864	0.00026	0.05879	6.74928E-05	0.06166	7.05711E-05	0.00040
594199.97	4129192.59	5217.3588	0.00027	0.05890	6.76191E-05	0.06775	7.75413E-05	0.00042
594247.78	4129192.59	5526.09506	0.00029	0.05871	6.74009E-05	0.07458	8.53583E-05	0.00044
594295.59	4129192.59	5783.66201	0.00030	0.05823	6.68499E-05	0.08220	9.40796E-05	0.00047
594343.4	4129192.59	5967.64393	0.00031	0.05754	6.60577E-05	0.09067	1.03774E-04	0.00048
594391.21	4129192.59	6063.44808	0.00032	0.05668	6.50704E-05	0.10005	1.14509E-04	0.00050
594439.02	4129192.59	6063.30313	0.00032	0.05553	6.37502E-05	0.11042	1.26378E-04	0.00051
594486.83	4129192.59	5968.23517	0.00031	0.05391	6.18904E-05	0.12199	1.39620E-04	0.00052
594534.64	4129192.59	5779.52334	0.00030	0.05194	5.96288E-05	0.13496	1.54464E-04	0.00052
594582.45	4129192.59	5495.75797	0.00029	0.05029	5.77345E-05	0.14963	1.71255E-04	0.00052
594630.26	4129192.59	5152.86778	0.00027	0.04996	5.73557E-05	0.16629	1.90322E-04	0.00052
593913.11	4129226.85	3196.35742	0.00017	0.05249	6.02602E-05	0.04073	4.66163E-05	0.00028
593960.92	4129226.85	3454.53449	0.00018	0.05317	6.10408E-05	0.04413	5.05077E-05	0.00029
594008.73	4129226.85	3726.98995	0.00020	0.05368	6.16263E-05	0.04787	5.47882E-05	0.00031
594056.54	4129226.85	4010.32013	0.00021	0.05400	6.19937E-05	0.05210	5.96295E-05	0.00033
594104.35	4129226.85	4298.33572	0.00023	0.05428	6.23152E-05	0.05684	6.50545E-05	0.00035
594152.16	4129226.85	4579.67319	0.00024	0.05442	6.24759E-05	0.06212	7.10976E-05	0.00037
594199.97	4129226.85	4840.4703	0.00026	0.05437	6.24185E-05	0.06800	7.78274E-05	0.00040
594247.78	4129226.85	5063.63373	0.00027	0.05409	6.20970E-05	0.07452	8.52897E-05	0.00041
594295.59	4129226.85	5231.96273	0.00028	0.05360	6.15345E-05	0.08174	9.35531E-05	0.00043
594343.4	4129226.85	5331.45972	0.00028	0.05294	6.07768E-05	0.08970	1.02663E-04	0.00044
594391.21	4129226.85	5357.84087	0.00028	0.05221	5.99387E-05	0.09845	1.12678E-04	0.00045
594439.02	4129226.85	5312.73141	0.00028	0.05109	5.86529E-05	0.10809	1.23711E-04	0.00046
594486.83	4129226.85	5198.54687	0.00027	0.04952	5.68505E-05	0.11878	1.35946E-04	0.00047
594534.64	4129226.85	5014.19751	0.00026	0.04770	5.47611E-05	0.13071	1.49600E-04	0.00047
594582.45	4129226.85	4758.88666	0.00025	0.04628	5.31309E-05	0.14412	1.64948E-04	0.00047
594630.26	4129226.85	4464.94665	0.00024	0.04609	5.29128E-05	0.15928	1.82299E-04	0.00047
593913.11	4129261.11	3108.59307	0.00016	0.04951	5.68390E-05	0.04137	4.73488E-05	0.00027
593960.92	4129261.11	3338.75679	0.00018	0.04996	5.73557E-05	0.04475	5.12173E-05	0.00028
594008.73	4129261.11	3577.63236	0.00019	0.05028	5.77230E-05	0.04849	5.54978E-05	0.00030
594056.54	4129261.11	3819.32836	0.00020	0.05044	5.79067E-05	0.05264	6.02476E-05	0.00032
594104.35	4129261.11	4055.99067	0.00021	0.05053	5.80100E-05	0.05726	6.55352E-05	0.00034
594152.16	4129261.11	4278.26507	0.00023	0.05051	5.79871E-05	0.06237	7.13837E-05	0.00035
594199.97	4129261.11	4472.72286	0.00024	0.05036	5.78149E-05	0.06801	7.78388E-05	0.00037
594247.78	4129261.11	4625.61491	0.00024	0.05004	5.74475E-05	0.07422	8.49463E-05	0.00039
594295.59	4129261.11	4725.17221	0.00025	0.04958	5.69194E-05	0.08103	9.27405E-05	0.00040
594343.4	4129261.11	4765.32585	0.00025	0.04898	5.62306E-05	0.08850	1.01290E-04	0.00041
594391.21	4129261.11	4748.49589	0.00025	0.04821	5.53466E-05	0.09665	1.10618E-04	0.00042
594439.02	4129261.11	4680.08371	0.00025	0.04719	5.41756E-05	0.10561	1.20873E-04	0.00042
594486.83	4129261.11	4562.2956	0.00024	0.04569	5.24536E-05	0.11555	1.32249E-04	0.00043
594534.64	4129261.11	4390.15529	0.00023	0.04402	5.05363E-05	0.12654	1.44828E-04	0.00043
594582.45	4129261.11	4161.01157	0.00022	0.04279	4.91243E-05	0.13885	1.58917E-04	0.00043



594630.26	4129261.11	3907.88439	0.00021	0.04272	4.90439E-05	0.15267	1.74734E-04	0.00043
593913.11	4129295.37	3010.96052	0.00016	0.04670	5.36131E-05	0.04195	4.80126E-05	0.00026
593960.92	4129295.37	3213.77375	0.00017	0.04697	5.39230E-05	0.04528	5.18239E-05	0.00028
594008.73	4129295.37	3419.17377	0.00018	0.04711	5.40838E-05	0.04896	5.60357E-05	0.00029
594056.54	4129295.37	3621.2328	0.00019	0.04714	5.41182E-05	0.05302	6.06825E-05	0.00031
594104.35	4129295.37	3812.02748	0.00020	0.04707	5.40378E-05	0.05749	6.57985E-05	0.00032
594152.16	4129295.37	3982.19231	0.00021	0.04695	5.39001E-05	0.06241	7.14295E-05	0.00034
594199.97	4129295.37	4120.70662	0.00022	0.04675	5.36705E-05	0.06780	7.75985E-05	0.00035
594247.78	4129295.37	4217.62612	0.00022	0.04644	5.33146E-05	0.07369	8.43397E-05	0.00036
594295.59	4129295.37	4266.54886	0.00022	0.04602	5.28324E-05	0.08011	9.16875E-05	0.00037
594343.4	4129295.37	4267.09931	0.00022	0.04547	5.22010E-05	0.08711	9.96992E-05	0.00038
594391.21	4129295.37	4225.56372	0.00022	0.04476	5.13859E-05	0.09472	1.08409E-04	0.00038
594439.02	4129295.37	4147.26724	0.00022	0.04372	5.01919E-05	0.10305	1.17943E-04	0.00039
594486.83	4129295.37	4032.65954	0.00021	0.04231	4.85732E-05	0.11224	1.28461E-04	0.00039
594534.64	4129295.37	3873.56733	0.00020	0.04079	4.68282E-05	0.12243	1.40124E-04	0.00039
594582.45	4129295.37	3668.65647	0.00019	0.03974	4.56228E-05	0.13374	1.53068E-04	0.00039
594630.26	4129295.37	3451.22474	0.00018	0.03976	4.56457E-05	0.14635	1.67501E-04	0.00039
593913.11	4129329.63	2905.61573	0.00015	0.04408	5.06052E-05	0.04242	4.85506E-05	0.00025
593960.92	4129329.63	3081.42339	0.00016	0.04420	5.07430E-05	0.04569	5.22931E-05	0.00027
594008.73	4129329.63	3255.30194	0.00017	0.04417	5.07086E-05	0.04929	5.64134E-05	0.00028
594056.54	4129329.63	3420.98604	0.00018	0.04408	5.06052E-05	0.05324	6.09343E-05	0.00029
594104.35	4129329.63	3570.71664	0.00019	0.04394	5.04445E-05	0.05755	6.58672E-05	0.00030
594152.16	4129329.63	3695.11204	0.00019	0.04376	5.02379E-05	0.06227	7.12693E-05	0.00032
594199.97	4129329.63	3787.66027	0.00020	0.04354	4.99853E-05	0.06741	7.71521E-05	0.00033
594247.78	4129329.63	3841.94439	0.00020	0.04326	4.96638E-05	0.07298	8.35271E-05	0.00034
594295.59	4129329.63	3855.72439	0.00020	0.04290	4.92506E-05	0.07902	9.04400E-05	0.00034
594343.4	4129329.63	3831.60712	0.00020	0.04239	4.86651E-05	0.08557	9.79366E-05	0.00035
594391.21	4129329.63	3776.7637	0.00020	0.04166	4.78270E-05	0.09268	1.06074E-04	0.00035
594439.02	4129329.63	3697.76168	0.00019	0.04066	4.66790E-05	0.10044	1.14956E-04	0.00036
594486.83	4129329.63	3589.50583	0.00019	0.03933	4.51521E-05	0.10898	1.24730E-04	0.00036
594534.64	4129329.63	3443.27012	0.00018	0.03794	4.35563E-05	0.11840	1.35511E-04	0.00036
594582.45	4129329.63	3259.89454	0.00017	0.03706	4.25460E-05	0.12883	1.47449E-04	0.00036
594630.26	4129329.63	3070.55961	0.00016	0.03714	4.26379E-05	0.14040	1.60691E-04	0.00037
593913.11	4129363.89	2794.24888	0.00015	0.04161	4.77696E-05	0.04278	4.89626E-05	0.00024
593960.92	4129363.89	2944.73706	0.00016	0.04157	4.77237E-05	0.04599	5.26365E-05	0.00026
594008.73	4129363.89	3088.82511	0.00016	0.04146	4.75974E-05	0.04949	5.66423E-05	0.00027
594056.54	4129363.89	3220.72969	0.00017	0.04127	4.73793E-05	0.05331	6.10144E-05	0.00028
594104.35	4129363.89	3333.93858	0.00018	0.04107	4.71497E-05	0.05746	6.57642E-05	0.00029
594152.16	4129363.89	3421.32	0.00018	0.04087	4.69200E-05	0.06197	7.09259E-05	0.00030
594199.97	4129363.89	3477.31754	0.00018	0.04065	4.66675E-05	0.06684	7.64998E-05	0.00031
594247.78	4129363.89	3499.23104	0.00018	0.04041	4.63920E-05	0.07211	8.25314E-05	0.00031
594295.59	4129363.89	3488.52755	0.00018	0.04008	4.60131E-05	0.07779	8.90323E-05	0.00032
594343.4	4129363.89	3450.45043	0.00018	0.03960	4.54620E-05	0.08392	9.60482E-05	0.00032
594391.21	4129363.89	3393.04883	0.00018	0.03894	4.47043E-05	0.09056	1.03648E-04	0.00033
594439.02	4129363.89	3315.33438	0.00017	0.03792	4.35334E-05	0.09780	1.11934E-04	0.00033
594486.83	4129363.89	3215.0033	0.00017	0.03667	4.20983E-05	0.10573	1.21010E-04	0.00033
594534.64	4129363.89	3079.84599	0.00016	0.03543	4.06748E-05	0.11446	1.31002E-04	0.00033
594582.45	4129363.89	2914.79667	0.00015	0.03469	3.98252E-05	0.12409	1.42024E-04	0.00034
594630.26	4129363.89	2749.90437	0.00014	0.03483	3.99859E-05	0.13471	1.54178E-04	0.00034
593913.11	4129398.15	2679.16588	0.00014	0.03929	4.51062E-05	0.04304	4.92602E-05	0.00024
593960.92	4129398.15	2805.71598	0.00015	0.03916	4.49569E-05	0.04617	5.28425E-05	0.00025
594008.73	4129398.15	2922.43071	0.00015	0.03894	4.47043E-05	0.04957	5.67339E-05	0.00026
594056.54	4129398.15	3024.89769	0.00016	0.03872	4.44518E-05	0.05325	6.09457E-05	0.00026
594104.35	4129398.15	3106.84561	0.00016	0.03849	4.41877E-05	0.05723	6.55009E-05	0.00027
594152.16	4129398.15	3163.25502	0.00017	0.03828	4.39466E-05	0.06152	7.04109E-05	0.00028
594199.97	4129398.15	3191.13432	0.00017	0.03809	4.37285E-05	0.06614	7.56986E-05	0.00029
594247.78	4129398.15	3190.51454	0.00017	0.03788	4.34874E-05	0.07110	8.13754E-05	0.00029
594295.59	4129398.15	3164.98988	0.00017	0.03759	4.31545E-05	0.07644	8.74872E-05	0.00030
594343.4	4129398.15	3120.47854	0.00016	0.03714	4.26379E-05	0.08218	9.40567E-05	0.00030
594391.21	4129398.15	3062.53181	0.00016	0.03648	4.18802E-05	0.08839	1.01164E-04	0.00030
594439.02	4129398.15	2990.52245	0.00016	0.03549	4.07436E-05	0.09514	1.08890E-04	0.00031
594486.83	4129398.15	2896.17219	0.00015	0.03430	3.93775E-05	0.10253	1.17348E-04	0.00031
594534.64	4129398.15	2772.22801	0.00015	0.03319	3.81032E-05	0.11063	1.26618E-04	0.00031
594582.45	4129398.15	2622.96093	0.00014	0.03256	3.73799E-05	0.11951	1.36782E-04	0.00031
594630.26	4129398.15	2478.42565	0.00013	0.03274	3.75866E-05	0.12926	1.47941E-04	0.00032
593913.11	4129432.41	2561.58837	0.00013	0.03712	4.26149E-05	0.04320	4.94433E-05	0.00023
593960.92	4129432.41	2665.18662	0.00014	0.03688	4.23394E-05	0.04625	5.29341E-05	0.00024
594008.73	4129432.41	2758.14131	0.00015	0.03664	4.20639E-05	0.04953	5.66881E-05	0.00024
594056.54	4129432.41	2834.28901	0.00015	0.03638	4.17654E-05	0.05307	6.07397E-05	0.00025
594104.35	4129432.41	2889.27554	0.00015	0.03611	4.14554E-05	0.05688	6.51003E-05	0.00026
594152.16	4129432.41	2920.98242	0.00015	0.03592	4.12373E-05	0.06096	6.97700E-05	0.00026
594199.97	4129432.41	2927.9826	0.00015	0.03575	4.10421E-05	0.06533	7.47715E-05	0.00027
594247.78	4129432.41	2912.20412	0.00015	0.03558	4.08470E-05	0.07001	8.01279E-05	0.00027
594295.59	4129432.41	2878.44793	0.00015	0.03532	4.05485E-05	0.07501	8.58505E-05	0.00028
594343.4	4129432.41	2833.16773	0.00015	0.03492	4.00893E-05	0.08039	9.20080E-05	0.00028
594391.21	4129432.41	2777.68373	0.00015	0.03423	3.92971E-05	0.08619	9.86462E-05	0.00028
594439.02	4129432.41	2710.36066	0.00014	0.03328	3.82065E-05	0.09249	1.05857E-04	0.00029

594486.83	4129432.41	2622.77144	0.00014	0.03217	3.69322E-05	0.09937	1.13731E-04	0.00029
594534.64	4129432.41	2507.0008	0.00013	0.03118	3.57956E-05	0.10689	1.22338E-04	0.00029
594582.45	4129432.41	2371.93398	0.00012	0.03066	3.51986E-05	0.11509	1.31723E-04	0.00029
594630.26	4129432.41	2244.86631	0.00012	0.03087	3.54397E-05	0.12406	1.41989E-04	0.00030
593913.11	4129466.67	2442.81842	0.00013	0.03508	4.02729E-05	0.04329	4.95463E-05	0.00022
593960.92	4129466.67	2526.01782	0.00013	0.03480	3.99515E-05	0.04624	5.29226E-05	0.00023
594008.73	4129466.67	2596.84074	0.00014	0.03452	3.96300E-05	0.04940	5.65393E-05	0.00023
594056.54	4129466.67	2650.6604	0.00014	0.03422	3.92856E-05	0.05279	6.04192E-05	0.00024
594104.35	4129466.67	2684.5211	0.00014	0.03398	3.90101E-05	0.05642	6.45739E-05	0.00025
594152.16	4129466.67	2697.2728	0.00014	0.03380	3.88035E-05	0.06029	6.90031E-05	0.00025
594199.97	4129466.67	2689.52079	0.00014	0.03367	3.86542E-05	0.06442	7.37300E-05	0.00025
594247.78	4129466.67	2664.41613	0.00014	0.03353	3.84935E-05	0.06882	7.87659E-05	0.00026
594295.59	4129466.67	2627.13499	0.00014	0.03329	3.82180E-05	0.07352	8.41452E-05	0.00026
594343.4	4129466.67	2582.61901	0.00014	0.03287	3.77358E-05	0.07856	8.99135E-05	0.00026
594391.21	4129466.67	2531.16316	0.00013	0.03220	3.69666E-05	0.08399	9.61283E-05	0.00027
594439.02	4129466.67	2468.93545	0.00013	0.03130	3.59334E-05	0.08987	1.02858E-04	0.00027
594486.83	4129466.67	2386.32586	0.00013	0.03026	3.47394E-05	0.09627	1.10183E-04	0.00027
594534.64	4129466.67	2278.49181	0.00012	0.02937	3.37177E-05	0.10325	1.18172E-04	0.00027
594582.45	4129466.67	2155.90879	0.00011	0.02894	3.32240E-05	0.11082	1.26836E-04	0.00027
594630.26	4129466.67	2043.86383	0.00011	0.02917	3.34881E-05	0.11906	1.36267E-04	0.00028
594331.14	4128962.5	10756.5275	0.00057	0.11187	1.28430E-04	0.08454	9.67578E-05	0.00079
594357.05	4128962.5	11696.34847	0.00062	0.11295	1.29670E-04	0.09134	1.04541E-04	0.00085
594382.96	4128962.5	12703.20211	0.00067	0.11373	1.30566E-04	0.09884	1.13124E-04	0.00091
594408.87	4128962.5	13767.09477	0.00073	0.11417	1.31071E-04	0.10721	1.22704E-04	0.00098
594434.78	4128962.5	14873.43966	0.00078	0.11424	1.31151E-04	0.11645	1.33279E-04	0.00105
594460.69	4128962.5	15997.35705	0.00084	0.11391	1.30772E-04	0.12673	1.45045E-04	0.00112
594486.6	4128962.5	17102.81083	0.00090	0.11313	1.29877E-04	0.13815	1.58116E-04	0.00119
594331.14	4129004.55	9999.18611	0.00053	0.09806	1.12576E-04	0.08685	9.94016E-05	0.00074
594357.05	4129004.55	10706.43463	0.00056	0.09834	1.12897E-04	0.09342	1.06921E-04	0.00078
594382.96	4129004.55	11430.70746	0.00060	0.09837	1.12932E-04	0.10064	1.15185E-04	0.00083
594408.87	4129004.55	12161.59794	0.00064	0.09814	1.12668E-04	0.10848	1.24158E-04	0.00088
594434.78	4129004.55	12871.48049	0.00068	0.09768	1.12140E-04	0.11716	1.34092E-04	0.00092
594460.69	4129004.55	13538.46813	0.00071	0.09694	1.11290E-04	0.12666	1.44965E-04	0.00097
594486.6	4129004.55	14131.55259	0.00074	0.09590	1.10096E-04	0.13704	1.56845E-04	0.00101
594331.14	4129046.6	9088.17566	0.00048	0.08620	9.89603E-05	0.08831	1.01073E-04	0.00068
594357.05	4129046.6	9587.92969	0.00051	0.08603	9.87652E-05	0.09456	1.08226E-04	0.00071
594382.96	4129046.6	10076.53702	0.00053	0.08569	9.83748E-05	0.10130	1.15940E-04	0.00075
594408.87	4129046.6	10534.37744	0.00056	0.08519	9.78008E-05	0.10867	1.24375E-04	0.00078
594434.78	4129046.6	10949.16801	0.00058	0.08452	9.70316E-05	0.11663	1.33485E-04	0.00081
594460.69	4129046.6	11301.60731	0.00060	0.08367	9.60558E-05	0.12526	1.43363E-04	0.00083
594486.6	4129046.6	11574.10466	0.00061	0.08260	9.48274E-05	0.13455	1.53995E-04	0.00086
594331.14	4129088.65	8128.57624	0.00043	0.07617	8.74456E-05	0.08902	1.01885E-04	0.00062
594357.05	4129088.65	8461.06336	0.00045	0.07580	8.70208E-05	0.09484	1.08546E-04	0.00064
594382.96	4129088.65	8762.1723	0.00046	0.07531	8.64583E-05	0.10114	1.15757E-04	0.00066
594408.87	4129088.65	9023.59971	0.00048	0.07472	8.57809E-05	0.10792	1.23517E-04	0.00068
594434.78	4129088.65	9236.5497	0.00049	0.07402	8.49773E-05	0.11517	1.31814E-04	0.00070
594460.69	4129088.65	9390.17347	0.00049	0.07316	8.39900E-05	0.12296	1.40730E-04	0.00072
594486.6	4129088.65	9477.97718	0.00050	0.07212	8.27960E-05	0.13129	1.50264E-04	0.00073
594331.14	4129130.7	7190.33109	0.00038	0.06774	7.77677E-05	0.08911	1.01988E-04	0.00056
594357.05	4129130.7	7391.18408	0.00039	0.06730	7.72625E-05	0.09455	1.08214E-04	0.00057
594382.96	4129130.7	7558.82749	0.00040	0.06679	7.66770E-05	0.10036	1.14864E-04	0.00059
594408.87	4129130.7	7687.45303	0.00041	0.06619	7.59882E-05	0.10655	1.21949E-04	0.00060
594434.78	4129130.7	7774.89251	0.00041	0.06551	7.52075E-05	0.11312	1.29468E-04	0.00061
594460.69	4129130.7	7814.39426	0.00041	0.06468	7.42547E-05	0.12014	1.37503E-04	0.00062
594486.6	4129130.7	7805.20078	0.00041	0.06368	7.31066E-05	0.12763	1.46075E-04	0.00063
595047.1	4127721.65	1204.3118	0.00006	0.25974	2.98190E-04	0.01305	1.49360E-05	0.00038
595080.55	4127721.65	1313.14356	0.00007	0.25017	2.87203E-04	0.01382	1.58173E-05	0.00037
595047.1	4127745.31	1303.88273	0.00007	0.27822	3.19405E-04	0.01374	1.57257E-05	0.00040
595080.55	4127745.31	1417.93573	0.00007	0.26643	3.05870E-04	0.01450	1.65955E-05	0.00040
595047.1	4127768.97	1410.72275	0.00007	0.29747	3.41505E-04	0.01442	1.65040E-05	0.00043
595080.55	4127768.97	1534.334	0.00008	0.28303	3.24927E-04	0.01525	1.74539E-05	0.00042
595047.1	4127792.63	1531.44199	0.00008	0.31724	3.64202E-04	0.01518	1.73738E-05	0.00046
595080.55	4127792.63	1667.23955	0.00009	0.29973	3.44099E-04	0.01609	1.84153E-05	0.00045
595047.1	4127816.29	1668.40726	0.00009	0.33721	3.87128E-04	0.01605	1.83696E-05	0.00049
595080.55	4127816.29	1813.94437	0.00010	0.31620	3.63008E-04	0.01701	1.94683E-05	0.00048
595047.1	4127839.95	1818.1303	0.00010	0.35691	4.09744E-04	0.01694	1.93882E-05	0.00052
595080.55	4127839.95	1978.03313	0.00010	0.33199	3.81135E-04	0.01801	2.06128E-05	0.00051
595047.1	4127863.61	1986.25787	0.00010	0.37575	4.31373E-04	0.01792	2.05098E-05	0.00056
595080.55	4127863.61	2164.25203	0.00011	0.34660	3.97908E-04	0.01914	2.19061E-05	0.00053
595047.1	4127887.27	2180.53189	0.00011	0.39305	4.51234E-04	0.01904	2.17917E-05	0.00059
595080.55	4127887.27	2368.39745	0.00012	0.35946	4.12671E-04	0.02032	2.32567E-05	0.00056
595047.1	4127910.93	2397.32441	0.00013	0.40804	4.68443E-04	0.02028	2.32109E-05	0.00062
595080.55	4127910.93	2601.8667	0.00014	0.37013	4.24921E-04	0.02182	2.49734E-05	0.00059
595047.1	4127934.59	2642.63382	0.00014	0.42012	4.82311E-04	0.02163	2.47560E-05	0.00065
595080.55	4127934.59	2860.29851	0.00015	0.37825	4.34243E-04	0.02334	2.67131E-05	0.00061
595047.1	4127958.25	2918.94014	0.00015	0.42893	4.92425E-04	0.02333	2.67017E-05	0.00067
595080.55	4127958.25	3151.49857	0.00017	0.38376	4.40569E-04	0.02496	2.85672E-05	0.00064

595047.1	4127981.91	3230.75931	0.00017	0.43446	4.98774E-04	0.02499	2.86016E-05	0.00070
595080.55	4127981.91	3480.02718	0.00018	0.38686	4.44127E-04	0.02678	3.06503E-05	0.00066
595047.1	4128005.57	3585.19424	0.00019	0.43717	5.01885E-04	0.02684	3.07189E-05	0.00072
595080.55	4128005.57	3851.21343	0.00020	0.38798	4.45413E-04	0.02892	3.30995E-05	0.00068
595047.1	4128029.23	3988.82857	0.00021	0.43768	5.02470E-04	0.02899	3.31797E-05	0.00075
595080.55	4128029.23	4270.92812	0.00023	0.38756	4.44931E-04	0.03132	3.58464E-05	0.00071
595047.1	4128052.89	4449.15124	0.00023	0.43657	5.01196E-04	0.03151	3.60638E-05	0.00077
595080.55	4128052.89	4745.99388	0.00025	0.38603	4.43175E-04	0.03392	3.88221E-05	0.00073
594886.23	4127719.27	732.95751	0.00004	0.28756	3.30128E-04	0.01016	1.16283E-05	0.00038
594950.74	4127719.27	990.39004	0.00005	0.27979	3.21208E-04	0.01117	1.27843E-05	0.00038
594886.23	4127747.71	797.68447	0.00004	0.32384	3.71779E-04	0.01072	1.22693E-05	0.00043
594950.74	4127747.71	990.89209	0.00005	0.31045	3.56406E-04	0.01181	1.35168E-05	0.00042
594886.23	4127776.15	870.20768	0.00005	0.36520	4.19261E-04	0.01128	1.29102E-05	0.00048
594950.74	4127776.15	1087.27179	0.00006	0.34432	3.95290E-04	0.01248	1.42836E-05	0.00047
594886.23	4127804.59	955.05308	0.00005	0.41202	4.73012E-04	0.01194	1.36656E-05	0.00054
594950.74	4127804.59	1199.00869	0.00006	0.38140	4.37859E-04	0.01323	1.51420E-05	0.00052
594886.23	4127833.03	1051.2182	0.00006	0.46530	5.34179E-04	0.01263	1.44553E-05	0.00060
594950.74	4127833.03	1326.08826	0.00007	0.42169	4.84113E-04	0.01406	1.60920E-05	0.00057
594886.23	4127861.47	1163.64174	0.00006	0.52555	6.03348E-04	0.01341	1.53480E-05	0.00068
594950.74	4127861.47	1471.00302	0.00008	0.46469	5.33479E-04	0.01494	1.70991E-05	0.00063
594886.23	4127889.91	1290.60276	0.00007	0.59333	6.81162E-04	0.01424	1.62980E-05	0.00077
594950.74	4127889.91	1643.50625	0.00009	0.50914	5.84509E-04	0.01597	1.82780E-05	0.00069
594886.23	4127918.35	1440.53068	0.00008	0.66756	7.66380E-04	0.01519	1.73853E-05	0.00086
594950.74	4127918.35	1842.60656	0.00010	0.55279	6.34620E-04	0.01711	1.95827E-05	0.00075
594834.46	4127713.69	599.42186	0.00003	0.28127	3.22907E-04	0.00918	1.05067E-05	0.00036
594862.34	4127713.69	662.24207	0.00003	0.28184	3.23561E-04	0.00952	1.08958E-05	0.00037
594834.46	4127736.34	638.39268	0.00003	0.31171	3.57853E-04	0.00956	1.09416E-05	0.00040
594862.34	4127736.34	707.45587	0.00004	0.31088	3.56900E-04	0.00996	1.13994E-05	0.00041
594834.46	4127758.99	681.3002	0.00004	0.34605	3.97276E-04	0.00998	1.14223E-05	0.00044
594862.34	4127758.99	757.48546	0.00004	0.34333	3.94154E-04	0.01059	1.21205E-05	0.00045
594834.46	4127781.64	729.50679	0.00004	0.38474	4.41694E-04	0.01062	1.21548E-05	0.00049
594862.34	4127781.64	811.14164	0.00004	0.37979	4.36011E-04	0.01102	1.26126E-05	0.00049
594834.46	4127804.29	781.187	0.00004	0.42879	4.92264E-04	0.01106	1.26584E-05	0.00055
594862.34	4127804.29	872.63459	0.00005	0.42037	4.82598E-04	0.01153	1.31963E-05	0.00054
594834.46	4127826.94	840.56372	0.00004	0.47848	5.49310E-04	0.01158	1.32535E-05	0.00061
594862.34	4127826.94	946.11449	0.00005	0.46593	5.34902E-04	0.01205	1.37915E-05	0.00060
594834.46	4127849.59	905.74028	0.00005	0.53521	6.14438E-04	0.01210	1.38487E-05	0.00068
594862.34	4127849.59	1014.2069	0.00005	0.51715	5.93705E-04	0.01259	1.44095E-05	0.00066
594834.46	4127872.24	977.32135	0.00005	0.60021	6.89060E-04	0.01265	1.44782E-05	0.00076
594862.34	4127872.24	1097.14452	0.00006	0.57453	6.59579E-04	0.01318	1.50848E-05	0.00073
594834.46	4127894.89	1057.50765	0.00006	0.67464	7.74508E-04	0.01325	1.51649E-05	0.00085
594862.34	4127894.89	1193.70695	0.00006	0.63839	7.32892E-04	0.01385	1.58516E-05	0.00081
594834.46	4127917.54	1151.1834	0.00006	0.75950	8.71930E-04	0.01393	1.59432E-05	0.00095
594862.34	4127917.54	1301.14574	0.00007	0.70922	8.14207E-04	0.01458	1.66871E-05	0.00090
595026.39	4127722.45	1142.84781	0.00006	0.26595	3.05319E-04	0.01266	1.44896E-05	0.00038
595026.39	4127759.08	1289.7481	0.00007	0.29734	3.41356E-04	0.01363	1.55998E-05	0.00042
595026.39	4127795.71	1464.03341	0.00008	0.33090	3.79884E-04	0.01476	1.68931E-05	0.00047
595026.39	4127832.34	1670.18243	0.00009	0.36561	4.19732E-04	0.01602	1.83352E-05	0.00053
595026.39	4127868.97	1917.42714	0.00010	0.39953	4.58673E-04	0.01748	2.00062E-05	0.00058
595026.39	4127905.6	2218.5195	0.00012	0.42979	4.93412E-04	0.01918	2.19519E-05	0.00063
595026.39	4127942.23	2581.26466	0.00014	0.45310	5.20173E-04	0.02116	2.42181E-05	0.00068
595026.39	4127978.86	3024.00357	0.00016	0.46741	5.36601E-04	0.02348	2.68733E-05	0.00072
595026.39	4128015.49	3565.04646	0.00019	0.47322	5.43271E-04	0.02646	3.02840E-05	0.00076
595026.39	4128052.12	4229.31319	0.00022	0.47302	5.43042E-04	0.02983	3.41410E-05	0.00080
594967.92	4128313.02	16541.43183	0.00087	0.53498	6.14174E-04	0.08094	9.26375E-05	0.00158
594989.44	4128313.02	16854.84939	0.00089	0.48047	5.51595E-04	0.08633	9.88065E-05	0.00154
595010.96	4128313.02	17025.58736	0.00090	0.43373	4.97936E-04	0.09160	1.04838E-04	0.00150
595032.48	4128313.02	17066.0073	0.00090	0.39322	4.51429E-04	0.09659	1.10549E-04	0.00146
595054	4128313.02	16990.30851	0.00090	0.35776	4.10720E-04	0.10117	1.15791E-04	0.00142
595075.52	4128313.02	16813.49288	0.00089	0.32649	3.74821E-04	0.10533	1.20552E-04	0.00138
594967.92	4128341.65	20102.8328	0.00106	0.51959	5.96506E-04	0.09620	1.10103E-04	0.00177
594989.44	4128341.65	20267.42794	0.00107	0.46610	5.35098E-04	0.10243	1.17233E-04	0.00172
595010.96	4128341.65	20261.44809	0.00107	0.42019	4.82391E-04	0.10838	1.24043E-04	0.00167
595032.48	4128341.65	20105.85178	0.00106	0.38037	4.36677E-04	0.11389	1.30349E-04	0.00163
595054	4128341.65	19822.2504	0.00104	0.34551	3.96656E-04	0.11884	1.36015E-04	0.00158
595075.52	4128341.65	19432.18478	0.00102	0.31479	3.61389E-04	0.12322	1.41028E-04	0.00153
594967.92	4128370.28	24513.55515	0.00129	0.50321	5.77701E-04	0.11569	1.32410E-04	0.00200
594989.44	4128370.28	24412.58535	0.00129	0.45082	5.17556E-04	0.12292	1.40684E-04	0.00194
595010.96	4128370.28	24117.51233	0.00127	0.40565	4.65699E-04	0.12954	1.48261E-04	0.00188
595032.48	4128370.28	23659.51281	0.00125	0.36627	4.20490E-04	0.13530	1.54854E-04	0.00182
595054	4128370.28	23072.67444	0.00122	0.33194	3.81078E-04	0.14051	1.60817E-04	0.00176
595075.52	4128370.28	22385.60466	0.00118	0.30183	3.46510E-04	0.14519	1.66173E-04	0.00169
594967.92	4128398.91	29921.98485	0.00158	0.48563	5.57519E-04	0.14086	1.61217E-04	0.00230
594989.44	4128398.91	29378.45114	0.00155	0.43390	4.98131E-04	0.14893	1.70453E-04	0.00222
595010.96	4128398.91	28637.15035	0.00151	0.38938	4.47021E-04	0.15614	1.78705E-04	0.00213
595032.48	4128398.91	27741.07095	0.00146	0.35072	4.02638E-04	0.16242	1.85893E-04	0.00205
595054	4128398.91	26729.61885	0.00141	0.31691	3.63823E-04	0.16773	1.91970E-04	0.00196

595075.52	4128398.91	25638.91294	0.00135	0.28728	3.29807E-04	0.17214	1.97018E-04	0.00188
594967.92	4128427.54	36442.06638	0.00192	0.46655	5.35614E-04	0.17554	2.00909E-04	0.00266
594989.44	4128427.54	35210.63185	0.00186	0.41460	4.75974E-04	0.18341	2.09917E-04	0.00254
595010.96	4128427.54	33815.69897	0.00178	0.37069	4.25564E-04	0.19087	2.18455E-04	0.00243
595032.48	4128427.54	32304.04015	0.00170	0.33259	3.81824E-04	0.19700	2.25471E-04	0.00231
595054	4128427.54	30724.25058	0.00162	0.29956	3.43904E-04	0.20193	2.31113E-04	0.00219
595075.52	4128427.54	29114.00551	0.00153	0.27079	3.10875E-04	0.20565	2.35371E-04	0.00208
595000.73	4128430.99	35205.57503	0.00185	0.38819	4.45654E-04	0.19233	2.20126E-04	0.00252
595032.09	4128430.99	32912.424	0.00173	0.33089	3.79872E-04	0.20173	2.30884E-04	0.00234
595063.45	4128430.99	30487.05172	0.00161	0.28428	3.26362E-04	0.20836	2.38472E-04	0.00217
595000.73	4128448.25	38907.37005	0.00205	0.37546	4.31040E-04	0.21995	2.51737E-04	0.00273
595032.09	4128448.25	35891.60055	0.00189	0.31856	3.65717E-04	0.22827	2.61260E-04	0.00252
595063.45	4128448.25	32848.31361	0.00173	0.27270	3.13068E-04	0.23390	2.67703E-04	0.00231
595000.73	4128465.51	42814.54276	0.00226	0.36143	4.14933E-04	0.25361	2.90262E-04	0.00296
595032.09	4128465.51	38966.57109	0.00205	0.30520	3.50379E-04	0.25918	2.96637E-04	0.00270
595063.45	4128465.51	35223.06874	0.00186	0.26033	2.98867E-04	0.26316	3.01192E-04	0.00246
595056.55	4128477.03	37709.55747	0.00199	0.26077	2.99372E-04	0.28426	3.25341E-04	0.00261
595097.42	4128477.03	32540.89955	0.00171	0.21417	2.45874E-04	0.28272	3.23579E-04	0.00228
595138.29	4128477.03	27935.99348	0.00147	0.17846	2.04878E-04	0.27763	3.17753E-04	0.00199
595056.55	4128506.38	41754.49939	0.00220	0.23755	2.72715E-04	0.35150	4.02299E-04	0.00288
595097.42	4128506.38	35119.54814	0.00185	0.19474	2.23568E-04	0.34023	3.89400E-04	0.00246
595138.29	4128506.38	29460.78009	0.00155	0.16208	1.86073E-04	0.32526	3.72267E-04	0.00211
595185.07	4128542.78	24098.20111	0.00127	0.11801	1.35479E-04	0.35917	4.11077E-04	0.00182
595200.24	4128542.78	22374.12096	0.00118	0.11159	1.28109E-04	0.34935	3.99838E-04	0.00171
595215.41	4128542.78	20783.01697	0.00110	0.10566	1.21301E-04	0.33992	3.89045E-04	0.00161
595230.58	4128542.78	19318.92178	0.00102	0.10028	1.15125E-04	0.33089	3.78710E-04	0.00151
595245.75	4128542.78	17972.54385	0.00095	0.09534	1.09453E-04	0.32239	3.68982E-04	0.00143
595260.92	4128542.78	16733.93174	0.00088	0.09079	1.04230E-04	0.31420	3.59608E-04	0.00135
595276.09	4128542.78	15594.51672	0.00082	0.08659	9.94081E-05	0.30639	3.50670E-04	0.00127
595291.26	4128542.78	14545.85546	0.00077	0.08271	9.49537E-05	0.29888	3.42074E-04	0.00120
595306.43	4128542.78	13580.11812	0.00072	0.07912	9.08323E-05	0.29156	3.33696E-04	0.00114
595321.6	4128542.78	12690.62415	0.00067	0.07577	8.69864E-05	0.28452	3.25639E-04	0.00108
595185.07	4128563.98	23622.66877	0.00124	0.10927	1.25445E-04	0.39103	4.47542E-04	0.00182
595200.24	4128563.98	21840.47853	0.00115	0.10371	1.19062E-04	0.37916	4.33956E-04	0.00170
595215.41	4128563.98	20198.0596	0.00106	0.09848	1.13058E-04	0.36771	4.20852E-04	0.00160
595230.58	4128563.98	18696.63614	0.00099	0.09352	1.07364E-04	0.35665	4.08193E-04	0.00150
595245.75	4128563.98	17326.28086	0.00091	0.08906	1.02244E-04	0.34636	3.96416E-04	0.00141
595260.92	4128563.98	16074.93778	0.00085	0.08494	9.75138E-05	0.33656	3.85200E-04	0.00133
595276.09	4128563.98	14931.91172	0.00079	0.08114	9.31513E-05	0.32730	3.74602E-04	0.00125
595291.26	4128563.98	13886.5965	0.00073	0.07757	8.90528E-05	0.31836	3.64370E-04	0.00119
595306.43	4128563.98	12930.42436	0.00068	0.07432	8.53217E-05	0.30992	3.54710E-04	0.00112
595321.6	4128563.98	12055.43104	0.00064	0.07133	8.18891E-05	0.30196	3.45599E-04	0.00106
595185.07	4128585.18	22758.27007	0.00120	0.10115	1.16123E-04	0.42368	4.84910E-04	0.00180
595200.24	4128585.18	20963.03566	0.00110	0.09631	1.10567E-04	0.40992	4.69162E-04	0.00168
595215.41	4128585.18	19314.43984	0.00102	0.09169	1.05263E-04	0.39643	4.53722E-04	0.00158
595230.58	4128585.18	17815.86469	0.00094	0.08740	1.00338E-04	0.38358	4.39015E-04	0.00148
595245.75	4128585.18	16455.63903	0.00087	0.08329	9.56195E-05	0.37114	4.24777E-04	0.00139
595260.92	4128585.18	15221.56636	0.00080	0.07953	9.13029E-05	0.35953	4.11489E-04	0.00130
595276.09	4128585.18	14101.78812	0.00074	0.07610	8.73652E-05	0.34877	3.99174E-04	0.00123
595291.26	4128585.18	13084.14242	0.00069	0.07291	8.37030E-05	0.33865	3.87592E-04	0.00116
595306.43	4128585.18	12158.65802	0.00064	0.06996	8.03163E-05	0.32903	3.76582E-04	0.00110
595321.6	4128585.18	11316.54041	0.00060	0.06725	7.72051E-05	0.31999	3.66235E-04	0.00104
595185.07	4128606.38	21488.6272	0.00113	0.09348	1.07318E-04	0.45680	5.22817E-04	0.00176
595200.24	4128606.38	19727.39454	0.00104	0.08927	1.02485E-04	0.44114	5.04894E-04	0.00165
595215.41	4128606.38	18130.16873	0.00096	0.08527	9.78926E-05	0.42605	4.87623E-04	0.00154
595230.58	4128606.38	16689.0506	0.00088	0.08155	9.36220E-05	0.41162	4.71108E-04	0.00144
595245.75	4128606.38	15386.342	0.00081	0.07808	8.96383E-05	0.39759	4.55050E-04	0.00136

**1410 South Bascom Avenue Project**

**Tier IV Interim Mitigated Construction  
at Sensitive Receptors**

**Annual Average PM2.5 (Exhaust + Fugitive Dust)**

X (m)	Y (m)	2020	2021	2022	Max	Maximum
		PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	PM2.5 Total (ug/m3)	0.26 BAAQMD threshold of significance
593913.11	4129158.33	0.00310019	0.00031981	0.00028725	0.00310	0.3
593960.92	4129158.33	0.00338991	0.00034438	0.00030905	0.00339	Exceed thresholds?
594008.73	4129158.33	0.00370728	0.00037114	0.00033277	0.00371	No
594056.54	4129158.33	0.00405236	0.00040017	0.00035852	0.00405	
594104.35	4129158.33	0.00442056	0.00043125	0.00038608	0.00442	
594152.16	4129158.33	0.00480609	0.00046403	0.00041516	0.00481	
594199.97	4129158.33	0.00519767	0.00049773	0.00044508	0.00520	
594247.78	4129158.33	0.00557685	0.00053113	0.00047478	0.00558	
594295.59	4129158.33	0.00591951	0.00056271	0.00050296	0.00592	
594343.4	4129158.33	0.00619936	0.00059085	0.0005282	0.00620	
594391.21	4129158.33	0.00638711	0.000614	0.00054918	0.00639	
594439.02	4129158.33	0.00646385	0.00063087	0.0005648	0.00646	
594486.83	4129158.33	0.00642643	0.00064115	0.00057476	0.00643	
594534.64	4129158.33	0.00627026	0.00064487	0.00057913	0.00627	
594582.45	4129158.33	0.00599182	0.00064316	0.00057899	0.00599	
594630.26	4129158.33	0.00562812	0.00064036	0.00057826	0.00563	
593913.11	4129192.59	0.00304815	0.00031373	0.00028176	0.00305	
593960.92	4129192.59	0.00331217	0.00033627	0.00030176	0.00331	
594008.73	4129192.59	0.00359696	0.00036047	0.00032323	0.00360	
594056.54	4129192.59	0.00389961	0.00038627	0.00034612	0.00390	
594104.35	4129192.59	0.00421616	0.0004135	0.0003703	0.00422	
594152.16	4129192.59	0.00453703	0.0004415	0.00039519	0.00454	
594199.97	4129192.59	0.00484955	0.00046944	0.00042006	0.00485	
594247.78	4129192.59	0.00513606	0.00049617	0.00044393	0.00514	
594295.59	4129192.59	0.00537593	0.0005204	0.00046567	0.00538	
594343.4	4129192.59	0.00554869	0.00054095	0.00048426	0.00555	
594391.21	4129192.59	0.005641	0.00055705	0.00049906	0.00564	
594439.02	4129192.59	0.00564572	0.00056817	0.0005096	0.00565	
594486.83	4129192.59	0.00556381	0.00057442	0.00051597	0.00556	
594534.64	4129192.59	0.00539661	0.00057626	0.00051861	0.00540	
594582.45	4129192.59	0.00514334	0.00057479	0.00051856	0.00514	
594630.26	4129192.59	0.00483762	0.00057373	0.00051918	0.00484	
593913.11	4129226.85	0.00297928	0.00030654	0.00027529	0.00298	
593960.92	4129226.85	0.0032181	0.00032711	0.00029357	0.00322	
594008.73	4129226.85	0.0034701	0.00034876	0.00031279	0.00347	
594056.54	4129226.85	0.00373223	0.00037143	0.00033292	0.00373	
594104.35	4129226.85	0.00399889	0.00039496	0.00035385	0.00400	
594152.16	4129226.85	0.00425965	0.00041856	0.00037487	0.00426	
594199.97	4129226.85	0.00450179	0.00044141	0.00039529	0.00450	
594247.78	4129226.85	0.00470965	0.00046247	0.00041419	0.00471	
594295.59	4129226.85	0.0048675	0.0004808	0.00043076	0.00487	
594343.4	4129226.85	0.00496256	0.00049564	0.00044435	0.00496	
594391.21	4129226.85	0.00499096	0.00050693	0.00045492	0.00499	
594439.02	4129226.85	0.0049541	0.00051448	0.00046229	0.00495	
594486.83	4129226.85	0.00485423	0.00051857	0.00046671	0.00485	
594534.64	4129226.85	0.00469056	0.00051961	0.00046856	0.00469	
594582.45	4129226.85	0.00446283	0.00051861	0.00046882	0.00446	
594630.26	4129226.85	0.00420126	0.00051888	0.00047047	0.00420	
593913.11	4129261.11	0.00289759	0.00029838	0.00026798	0.00290	
593960.92	4129261.11	0.0031106	0.00031696	0.00028449	0.00311	
594008.73	4129261.11	0.00333172	0.00033634	0.00030172	0.00333	
594056.54	4129261.11	0.00355555	0.0003562	0.00031939	0.00356	
594104.35	4129261.11	0.00377498	0.00037623	0.00033725	0.00377	
594152.16	4129261.11	0.00398142	0.00039585	0.00035479	0.00398	
594199.97	4129261.11	0.00416257	0.00041427	0.00037132	0.00416	
594247.78	4129261.11	0.00430582	0.00043065	0.00038612	0.00431	
594295.59	4129261.11	0.00440043	0.00044435	0.00039863	0.00440	
594343.4	4129261.11	0.00444086	0.00045508	0.0004086	0.00444	
594391.21	4129261.11	0.00442932	0.00046298	0.00041616	0.00443	
594439.02	4129261.11	0.00437079	0.00046842	0.00042164	0.00437	

594486.83	4129261.11	0.00426725	0.00047147	0.00042509	0.00427
594534.64	4129261.11	0.00411436	0.00047229	0.00042668	0.00411
594582.45	4129261.11	0.00391014	0.00047178	0.00042728	0.00391
594630.26	4129261.11	0.00368535	0.00047304	0.00042968	0.00369
593913.11	4129295.37	0.00280691	0.00028976	0.00026027	0.00281
593960.92	4129295.37	0.00299473	0.0003064	0.00027508	0.00299
594008.73	4129295.37	0.00318503	0.00032346	0.00029027	0.00319
594056.54	4129295.37	0.00337241	0.00034065	0.0003056	0.00337
594104.35	4129295.37	0.00354963	0.00035753	0.00032069	0.00355
594152.16	4129295.37	0.00370815	0.00037364	0.00033515	0.00371
594199.97	4129295.37	0.00383786	0.00038831	0.00034839	0.00384
594247.78	4129295.37	0.00392964	0.00040092	0.00035988	0.00393
594295.59	4129295.37	0.00397765	0.00041113	0.00036932	0.00398
594343.4	4129295.37	0.00398155	0.00041895	0.00037673	0.00398
594391.21	4129295.37	0.00394711	0.00042477	0.00038244	0.00395
594439.02	4129295.37	0.00387917	0.00042883	0.00038665	0.00388
594486.83	4129295.37	0.00377821	0.00043127	0.00038951	0.00378
594534.64	4129295.37	0.00363694	0.0004321	0.00039105	0.00364
594582.45	4129295.37	0.0034545	0.00043207	0.00039199	0.00345
594630.26	4129295.37	0.00326183	0.00043415	0.00039499	0.00326
593913.11	4129329.63	0.00270921	0.00028076	0.00025225	0.00271
593960.92	4129329.63	0.00287215	0.00029552	0.00026539	0.00287
594008.73	4129329.63	0.00303343	0.00031037	0.00027864	0.00303
594056.54	4129329.63	0.00318734	0.00032507	0.00029179	0.00319
594104.35	4129329.63	0.0033268	0.00033918	0.00030445	0.00333
594152.16	4129329.63	0.00344322	0.00035221	0.0003162	0.00344
594199.97	4129329.63	0.00353065	0.00036376	0.00032671	0.00353
594247.78	4129329.63	0.0035832	0.00037344	0.00033562	0.00358
594295.59	4129329.63	0.00359882	0.00038113	0.00034285	0.00360
594343.4	4129329.63	0.0035799	0.00038697	0.00034849	0.00358
594391.21	4129329.63	0.00353298	0.00039135	0.0003529	0.00353
594439.02	4129329.63	0.00346412	0.00039472	0.00035647	0.00346
594486.83	4129329.63	0.00336868	0.00039686	0.00035901	0.00337
594534.64	4129329.63	0.00323886	0.00039769	0.00036049	0.00324
594582.45	4129329.63	0.00307579	0.00039811	0.00036176	0.00308
594630.26	4129329.63	0.00290836	0.00040071	0.00036511	0.00291
593913.11	4129363.89	0.002606	0.00027146	0.00024396	0.00261
593960.92	4129363.89	0.00274562	0.00028441	0.00025552	0.00275
594008.73	4129363.89	0.00287949	0.00029723	0.00026699	0.00288
594056.54	4129363.89	0.00300232	0.00030961	0.00027809	0.00300
594104.35	4129363.89	0.00310818	0.00032125	0.00028858	0.00311
594152.16	4129363.89	0.00319055	0.00033175	0.00029811	0.00319
594199.97	4129363.89	0.00324434	0.00034076	0.00030639	0.00324
594247.78	4129363.89	0.00326707	0.00034816	0.0003133	0.00327
594295.59	4129363.89	0.00326008	0.00035397	0.00031885	0.00326
594343.4	4129363.89	0.00322815	0.00035849	0.00032331	0.00323
594391.21	4129363.89	0.00317868	0.00036223	0.00032713	0.00318
594439.02	4129363.89	0.00311071	0.00036503	0.00033015	0.00311
594486.83	4129363.89	0.00302226	0.00036702	0.00033251	0.00302
594534.64	4129363.89	0.0029023	0.00036787	0.00033395	0.00290
594582.45	4129363.89	0.00275569	0.0003686	0.00033543	0.00276
594630.26	4129363.89	0.0026102	0.0003716	0.00033906	0.00261
593913.11	4129398.15	0.00249942	0.00026198	0.00023553	0.00250
593960.92	4129398.15	0.002617	0.00027328	0.00024563	0.00262
594008.73	4129398.15	0.00272567	0.00028419	0.00025542	0.00273
594056.54	4129398.15	0.00282142	0.00029458	0.00026478	0.00282
594104.35	4129398.15	0.00289852	0.00030408	0.00027339	0.00290
594152.16	4129398.15	0.00295238	0.00031242	0.00028103	0.00295
594199.97	4129398.15	0.00298027	0.00031947	0.00028757	0.00298
594247.78	4129398.15	0.0029822	0.00032516	0.00029297	0.00298
594295.59	4129398.15	0.00296147	0.00032972	0.0002974	0.00296
594343.4	4129398.15	0.00292345	0.00033341	0.00030111	0.00292
594391.21	4129398.15	0.00287325	0.0003366	0.00030441	0.00287
594439.02	4129398.15	0.00281027	0.00033919	0.0003072	0.00281
594486.83	4129398.15	0.00272705	0.00034095	0.00030932	0.00273
594534.64	4129398.15	0.00261711	0.00034188	0.00031079	0.00262
594582.45	4129398.15	0.00248462	0.0003428	0.00031236	0.00248
594630.26	4129398.15	0.00235736	0.00034603	0.00031611	0.00236

593913.11	4129432.41	0.00239057	0.00025242	0.00022703	0.00239
593960.92	4129432.41	0.00248702	0.00026209	0.0002357	0.00249
594008.73	4129432.41	0.00257383	0.0002714	0.00024408	0.00257
594056.54	4129432.41	0.00264536	0.00027998	0.00025184	0.00265
594104.35	4129432.41	0.00269763	0.00028758	0.00025879	0.00270
594152.16	4129432.41	0.00272875	0.0002942	0.00026491	0.00273
594199.97	4129432.41	0.00273738	0.0002997	0.00027009	0.00274
594247.78	4129432.41	0.00272529	0.00030419	0.00027442	0.00273
594295.59	4129432.41	0.00269684	0.00030787	0.00027806	0.00270
594343.4	4129432.41	0.00265796	0.00031114	0.00028138	0.00266
594391.21	4129432.41	0.00260979	0.00031395	0.0002843	0.00261
594439.02	4129432.41	0.00255089	0.00031633	0.00028687	0.00255
594486.83	4129432.41	0.00247363	0.00031798	0.00028886	0.00247
594534.64	4129432.41	0.00237095	0.00031885	0.00029023	0.00237
594582.45	4129432.41	0.00225118	0.00031994	0.0002919	0.00225
594630.26	4129432.41	0.00213953	0.00032333	0.00029571	0.00214
593913.11	4129466.67	0.00228066	0.00024286	0.00021853	0.00228
593960.92	4129466.67	0.00235834	0.00025113	0.00022597	0.00236
594008.73	4129466.67	0.00242478	0.0002589	0.000233	0.00242
594056.54	4129466.67	0.00247574	0.00026589	0.00023937	0.00248
594104.35	4129466.67	0.00250857	0.00027204	0.00024503	0.00251
594152.16	4129466.67	0.0025222	0.00027727	0.00024992	0.00252
594199.97	4129466.67	0.0025172	0.00028163	0.00025409	0.00252
594247.78	4129466.67	0.00249643	0.00028525	0.00025765	0.00250
594295.59	4129466.67	0.00246461	0.00028838	0.00026079	0.00246
594343.4	4129466.67	0.00242623	0.00029126	0.00026373	0.00243
594391.21	4129466.67	0.00238157	0.00029389	0.00026646	0.00238
594439.02	4129466.67	0.00232715	0.00029613	0.00026888	0.00233
594486.83	4129466.67	0.00225424	0.00029759	0.00027066	0.00225
594534.64	4129466.67	0.0021586	0.00029841	0.00027194	0.00216
594582.45	4129466.67	0.00204999	0.00029961	0.00027365	0.00205
594630.26	4129466.67	0.00195174	0.00030305	0.00027744	0.00195
594331.14	4128962.5	0.00996411	0.00088963	0.00079194	0.00996
594357.05	4128962.5	0.0108298	0.00095612	0.00085049	0.01083
594382.96	4128962.5	0.01175714	0.00102715	0.00091302	0.01176
594408.87	4128962.5	0.01273705	0.00110228	0.00097916	0.01274
594434.78	4128962.5	0.01375613	0.00118058	0.0010481	0.01376
594460.69	4128962.5	0.01479166	0.00126072	0.00111871	0.01479
594486.6	4128962.5	0.01581063	0.00134057	0.00118913	0.01581
594331.14	4129004.55	0.00926378	0.00082979	0.00073883	0.00926
594357.05	4129004.55	0.00991572	0.00088093	0.00078394	0.00992
594382.96	4129004.55	0.01058348	0.00093358	0.00083039	0.01058
594408.87	4129004.55	0.01125749	0.00098708	0.00087761	0.01126
594434.78	4129004.55	0.01191257	0.00104003	0.00092442	0.01191
594460.69	4129004.55	0.01252861	0.00109104	0.00096959	0.01253
594486.6	4129004.55	0.0130772	0.00113826	0.00101153	0.01308
594331.14	4129046.6	0.00842316	0.00076196	0.00067888	0.00842
594357.05	4129046.6	0.00888449	0.0007996	0.00071217	0.00888
594382.96	4129046.6	0.00933577	0.00083694	0.00074524	0.00934
594408.87	4129046.6	0.00975908	0.00087299	0.00077723	0.00976
594434.78	4129046.6	0.01014316	0.00090693	0.00080742	0.01014
594460.69	4129046.6	0.01047034	0.00093769	0.00083489	0.01047
594486.6	4129046.6	0.01072446	0.00096413	0.00085866	0.01072
594331.14	4129088.65	0.00753858	0.00069251	0.00061762	0.00754
594357.05	4129088.65	0.00784624	0.00071924	0.00064138	0.00785
594382.96	4129088.65	0.00812532	0.00074451	0.00066389	0.00813
594408.87	4129088.65	0.00836823	0.00076783	0.00068475	0.00837
594434.78	4129088.65	0.00856689	0.00078864	0.00070346	0.00857
594460.69	4129088.65	0.00871137	0.00080632	0.00071948	0.00871
594486.6	4129088.65	0.0087957	0.00082045	0.00073245	0.00880
594331.14	4129130.7	0.00667409	0.00062553	0.00055861	0.00667
594357.05	4129130.7	0.00686084	0.00064374	0.00057491	0.00686
594382.96	4129130.7	0.00701731	0.00066031	0.00058981	0.00702
594408.87	4129130.7	0.00713816	0.00067485	0.00060298	0.00714
594434.78	4129130.7	0.00722142	0.00068726	0.00061433	0.00722
594460.69	4129130.7	0.00726089	0.00069713	0.00062349	0.00726
594486.6	4129130.7	0.00725588	0.00070441	0.00063043	0.00726
595047.1	4127721.65	0.00124812	0.00040348	0.00037658	0.00125

595080.55	4127721.65	0.00134323	0.00039941	0.00037221	0.00134
595047.1	4127745.31	0.00134953	0.00043274	0.00040383	0.00135
595080.55	4127745.31	0.00144825	0.00042629	0.00039718	0.00145
595047.1	4127768.97	0.001458	0.00046336	0.00043234	0.00146
595080.55	4127768.97	0.00156412	0.00045436	0.00042322	0.00156
595047.1	4127792.63	0.00157951	0.00049555	0.00046227	0.00158
595080.55	4127792.63	0.00169522	0.00048367	0.00045036	0.00170
595047.1	4127816.29	0.00171607	0.0005291	0.0004934	0.00172
595080.55	4127816.29	0.00183889	0.00051363	0.00047805	0.00184
595047.1	4127839.95	0.0018642	0.00056312	0.00052493	0.00186
595080.55	4127839.95	0.00199818	0.00054391	0.00050597	0.00200
595047.1	4127863.61	0.0020288	0.00059733	0.00055654	0.00203
595080.55	4127863.61	0.0021772	0.00057427	0.00053385	0.00218
595047.1	4127887.27	0.00221662	0.00063142	0.00058792	0.00222
595080.55	4127887.27	0.00237176	0.00060365	0.00056072	0.00237
595047.1	4127910.93	0.00242393	0.00066422	0.00061797	0.00242
595080.55	4127910.93	0.00259221	0.00063254	0.00058699	0.00259
595047.1	4127934.59	0.00265589	0.00069535	0.00064631	0.00266
595080.55	4127934.59	0.0028342	0.00065988	0.00061166	0.00283
595047.1	4127958.25	0.00291473	0.00072483	0.00067292	0.00291
595080.55	4127958.25	0.00310491	0.00068616	0.00063519	0.00310
595047.1	4127981.91	0.00320437	0.00075244	0.0006976	0.00320
595080.55	4127981.91	0.00340867	0.00071203	0.00065814	0.00341
595047.1	4128005.57	0.00353169	0.00077944	0.00072151	0.00353
595080.55	4128005.57	0.00375065	0.00073847	0.00068143	0.00375
595047.1	4128029.23	0.0039031	0.00080712	0.00074582	0.00390
595080.55	4128029.23	0.00413644	0.0007663	0.00070581	0.00414
595047.1	4128052.89	0.00432582	0.00083672	0.00077168	0.00433
595080.55	4128052.89	0.0045725	0.00079638	0.00073206	0.00457
594886.23	4127719.27	0.00082921	0.00040513	0.00038038	0.00083
594950.74	4127719.27	0.0009837	0.00040739	0.0003817	0.00098
594886.23	4127747.71	0.00090801	0.00045369	0.00042608	0.00091
594950.74	4127747.71	0.00107862	0.00045049	0.00042213	0.00108
594886.23	4127776.15	0.00099665	0.00050888	0.00047802	0.00100
594950.74	4127776.15	0.00118523	0.00049818	0.00046686	0.00119
594886.23	4127804.59	0.00109951	0.00057155	0.000537	0.00110
594950.74	4127804.59	0.00130764	0.00055079	0.00051618	0.00131
594886.23	4127833.03	0.00121619	0.00064277	0.00060402	0.00122
594950.74	4127833.03	0.00144587	0.00060832	0.00057008	0.00145
594886.23	4127861.47	0.00135149	0.00072353	0.00068001	0.00135
594950.74	4127861.47	0.00160189	0.00067026	0.00062808	0.00160
594886.23	4127889.91	0.00150413	0.00081436	0.00076546	0.00150
594950.74	4127889.91	0.00178406	0.00073582	0.00068938	0.00178
594886.23	4127918.35	0.0016813	0.00091454	0.00085967	0.00168
594950.74	4127918.35	0.00199024	0.00080216	0.00075129	0.00199
594834.46	4127713.69	0.00070296	0.00038823	0.000365	0.00070
594862.34	4127713.69	0.00076103	0.00039314	0.00036935	0.00076
594834.46	4127736.34	0.00075497	0.00042794	0.00040243	0.00075
594862.34	4127736.34	0.00081805	0.0004316	0.00040557	0.00082
594834.46	4127758.99	0.00081267	0.00047265	0.0004446	0.00081
594862.34	4127758.99	0.00088139	0.00047471	0.00044619	0.00088
594834.46	4127781.64	0.00087764	0.00052323	0.00049229	0.00088
594862.34	4127781.64	0.00095007	0.00052266	0.00049136	0.00095
594834.46	4127804.29	0.00094853	0.00058027	0.00054608	0.00095
594862.34	4127804.29	0.00102816	0.00057618	0.00054177	0.00103
594834.46	4127826.94	0.00102949	0.0006447	0.00060685	0.00103
594862.34	4127826.94	0.00111436	0.0006361	0.00059823	0.00111
594834.46	4127849.59	0.00111949	0.00071802	0.00067601	0.00112
594862.34	4127849.59	0.00120964	0.0007033	0.00066155	0.00121
594834.46	4127872.24	0.00121975	0.00080178	0.00075503	0.00122
594862.34	4127872.24	0.0013163	0.00077857	0.00073247	0.00132
594834.46	4127894.89	0.0013329	0.00089756	0.00084539	0.00133
594862.34	4127894.89	0.00143891	0.00086261	0.00081164	0.00144
594834.46	4127917.54	0.00146398	0.00100688	0.00094853	0.00146
594862.34	4127917.54	0.00157522	0.00095583	0.00089945	0.00158
595026.39	4127722.45	0.00119485	0.00040681	0.00038002	0.00119
595026.39	4127759.08	0.00134661	0.00045492	0.00042491	0.00135
595026.39	4127795.71	0.00152471	0.00050751	0.00047392	0.00152



595026.39	4127832.34	0.00173269	0.00056359	0.00052607	0.00173
595026.39	4127868.97	0.00197803	0.00062144	0.00057971	0.00198
595026.39	4127905.6	0.00227093	0.00067841	0.00063226	0.00227
595026.39	4127942.23	0.00261682	0.00073103	0.0006804	0.00262
595026.39	4127978.86	0.00303146	0.000778	0.00072281	0.00303
595026.39	4128015.49	0.00353207	0.00082144	0.0007614	0.00353
595026.39	4128052.12	0.00414267	0.00086553	0.00080002	0.00414
594967.92	4128313.02	0.0154888	0.00174859	0.00157837	0.01549
594989.44	4128313.02	0.01575014	0.00170804	0.00153847	0.01575
595010.96	4128313.02	0.01588474	0.00166812	0.00149984	0.01588
595032.48	4128313.02	0.01590301	0.00162752	0.00146118	0.01590
595054	4128313.02	0.01581729	0.00158549	0.00142172	0.01582
595075.52	4128313.02	0.01564087	0.00154191	0.00138127	0.01564
594967.92	4128341.65	0.01875343	0.00196423	0.00176582	0.01875
594989.44	4128341.65	0.01887933	0.00191692	0.00172021	0.01888
595010.96	4128341.65	0.01885272	0.00186811	0.001674	0.01885
595032.48	4128341.65	0.01869195	0.00181709	0.00162639	0.01869
595054	4128341.65	0.01841616	0.00176364	0.0015771	0.01842
595075.52	4128341.65	0.01804466	0.00170807	0.00152629	0.01804
594967.92	4128370.28	0.02279833	0.00223526	0.00200172	0.02280
594989.44	4128370.28	0.0226819	0.00217439	0.00194453	0.02268
595010.96	4128370.28	0.02239102	0.00210978	0.0018847	0.02239
595032.48	4128370.28	0.0219534	0.00204126	0.00182195	0.02195
595054	4128370.28	0.02140005	0.00197039	0.00175758	0.02140
595075.52	4128370.28	0.02075677	0.00189791	0.00169217	0.02076
594967.92	4128398.91	0.02776018	0.00257217	0.00229531	0.02776
594989.44	4128398.91	0.02723884	0.0024863	0.00221652	0.02724
595010.96	4128398.91	0.02653957	0.00239613	0.0021346	0.02654
595032.48	4128398.91	0.02570102	0.00230256	0.00205019	0.02570
595054	4128398.91	0.02475875	0.0022067	0.00196416	0.02476
595075.52	4128398.91	0.02374557	0.00211002	0.00187773	0.02375
594967.92	4128427.54	0.0337453	0.00298613	0.00265664	0.03375
594989.44	4128427.54	0.03259314	0.00285805	0.00254112	0.03259
595010.96	4128427.54	0.03129514	0.00272931	0.00242575	0.03130
595032.48	4128427.54	0.02989251	0.00259893	0.00230938	0.02989
595054	4128427.54	0.02842946	0.00246911	0.00219386	0.02843
595075.52	4128427.54	0.02694011	0.00234115	0.00208025	0.02694
595000.73	4128430.99	0.03257925	0.00283652	0.00252074	0.03258
595032.09	4128430.99	0.0304518	0.00263946	0.00234489	0.03045
595063.45	4128430.99	0.02820734	0.00244399	0.00217118	0.02821
595000.73	4128448.25	0.03598049	0.00307883	0.00273279	0.03598
595032.09	4128448.25	0.03319027	0.00283715	0.00251809	0.03319
595063.45	4128448.25	0.03037923	0.00260392	0.00231153	0.03038
595000.73	4128465.51	0.0395725	0.0033393	0.00296107	0.03957
595032.09	4128465.51	0.0360183	0.00304467	0.00270014	0.03602
595063.45	4128465.51	0.03256503	0.00276822	0.00245594	0.03257
595056.55	4128477.03	0.03485574	0.00294494	0.00261161	0.03486
595097.42	4128477.03	0.03009221	0.00257334	0.00228402	0.03009
595138.29	4128477.03	0.02584937	0.00224482	0.00199456	0.02585
595056.55	4128506.38	0.03858687	0.0032432	0.00287504	0.03859
595097.42	4128506.38	0.03247608	0.00277557	0.0024634	0.03248
595138.29	4128506.38	0.02726357	0.00237493	0.00211061	0.02726
595185.07	4128542.78	0.02234229	0.00203746	0.00181628	0.02234
595200.24	4128542.78	0.02075327	0.00191333	0.00170683	0.02075
595215.41	4128542.78	0.01928661	0.00179831	0.00160539	0.01929
595230.58	4128542.78	0.01793688	0.00169214	0.00151174	0.01794
595245.75	4128542.78	0.01669557	0.00159429	0.0014254	0.01670
595260.92	4128542.78	0.01555342	0.00150381	0.00134554	0.01555
595276.09	4128542.78	0.01450259	0.00142022	0.00127174	0.01450
595291.26	4128542.78	0.01353528	0.00134289	0.00120344	0.01354
595306.43	4128542.78	0.01264424	0.00127116	0.00114006	0.01264
595321.6	4128542.78	0.01182337	0.00120469	0.00108129	0.01182
595185.07	4128563.98	0.02191854	0.00203654	0.00181765	0.02192
595200.24	4128563.98	0.02027562	0.00190744	0.00170378	0.02028
595215.41	4128563.98	0.01876123	0.00178773	0.00159814	0.01876
595230.58	4128563.98	0.01737643	0.00167735	0.00150067	0.01738
595245.75	4128563.98	0.01611246	0.00157646	0.00141157	0.01611
595260.92	4128563.98	0.01495802	0.00148379	0.00132969	0.01496

595276.09	4128563.98	0.01390332	0.00139872	0.00125451	0.01390
595291.26	4128563.98	0.01293849	0.00132024	0.0011851	0.01294
595306.43	4128563.98	0.01205581	0.00124815	0.00112133	0.01206
595321.6	4128563.98	0.01124793	0.00118188	0.00106268	0.01125
595185.07	4128585.18	0.02113906	0.00201375	0.00180016	0.02114
595200.24	4128585.18	0.01948357	0.00188245	0.00168426	0.01948
595215.41	4128585.18	0.01796276	0.00176064	0.00157665	0.01796
595230.58	4128585.18	0.01657999	0.00164909	0.00147806	0.01658
595245.75	4128585.18	0.01532435	0.00154663	0.00138744	0.01532
595260.92	4128585.18	0.01418498	0.00145326	0.00130481	0.01418
595276.09	4128585.18	0.013151	0.00136823	0.00122956	0.01315
595291.26	4128585.18	0.01221111	0.00129046	0.00116069	0.01221
595306.43	4128585.18	0.0113561	0.00121917	0.00109753	0.01136
595321.6	4128585.18	0.01057794	0.00115393	0.00103997	0.01058
595185.07	4128606.38	0.01998858	0.00196751	0.00176236	0.01999
595200.24	4128606.38	0.01836359	0.00183674	0.0016468	0.01836
595215.41	4128606.38	0.01688936	0.00171686	0.00154078	0.01689
595230.58	4128606.38	0.01555872	0.00160757	0.00144407	0.01556
595245.75	4128606.38	0.01435531	0.00150746	0.00135539	0.01436
595260.92	4128606.38	0.01326291	0.00141585	0.00127419	0.01326
595276.09	4128606.38	0.0122751	0.00133245	0.00120023	0.01228
595291.26	4128606.38	0.01138176	0.0012564	0.00113275	0.01138
595306.43	4128606.38	0.01057263	0.00118689	0.00107104	0.01057
595321.6	4128606.38	0.00983758	0.00112353	0.00101477	0.00984
595343.81	4128516.24	0.01129465	0.00113643	0.00101927	0.01129
595380.27	4128516.24	0.00974746	0.00101081	0.00090819	0.00975
595416.73	4128516.24	0.00844977	0.00090384	0.0008135	0.00845
595453.19	4128516.24	0.00735881	0.0008124	0.00073245	0.00736
595343.81	4128534.78	0.01092118	0.00112322	0.00100871	0.01092
595380.27	4128534.78	0.00938155	0.0009967	0.00089674	0.00938
595416.73	4128534.78	0.00810377	0.00089015	0.00080234	0.00810
595453.19	4128534.78	0.00703856	0.00079955	0.00072195	0.00704
595343.81	4128553.32	0.01047232	0.00110561	0.00099437	0.01047
595380.27	4128553.32	0.00896228	0.00097959	0.00088271	0.00896
595416.73	4128553.32	0.00772076	0.00087442	0.00078943	0.00772
595453.19	4128553.32	0.00669351	0.00078542	0.00071037	0.00669
595343.81	4128571.86	0.00995977	0.00108474	0.00097728	0.00996
595380.27	4128571.86	0.00850112	0.00096086	0.00086738	0.00850
595416.73	4128571.86	0.00731035	0.00085777	0.0007758	0.00731
595453.19	4128571.86	0.0063317	0.00077091	0.00069851	0.00633
595343.81	4128590.4	0.00939598	0.00106137	0.00095808	0.00940
595380.27	4128590.4	0.00800606	0.0009406	0.00085077	0.00801
595416.73	4128590.4	0.00687771	0.00084008	0.0007613	0.00688
595453.19	4128590.4	0.0059578	0.00075598	0.00068632	0.00596
595343.81	4128608.94	0.00878685	0.00103565	0.0009369	0.00879
595380.27	4128608.94	0.00746606	0.00091634	0.0008306	0.00747
595416.73	4128608.94	0.00641954	0.00081983	0.00074451	0.00642
595453.19	4128608.94	0.00556829	0.00073927	0.00067252	0.00557
595459.33	4128741.51	0.00325831	0.00067039	0.00061939	0.00326
595488.36	4128741.51	0.00297697	0.00062525	0.00057801	0.00298
595517.39	4128741.51	0.00273697	0.00058544	0.00054148	0.00274
595546.42	4128741.51	0.00253895	0.00055178	0.00051056	0.00254
595575.45	4128741.51	0.00237869	0.00052329	0.00048435	0.00238
595604.48	4128741.51	0.00222145	0.00049513	0.00045844	0.00222
595633.51	4128741.51	0.00207627	0.00046906	0.00043446	0.00208
595662.54	4128741.51	0.00194498	0.00044515	0.00041245	0.00194
595691.57	4128741.51	0.00182651	0.00042308	0.00039212	0.00183
595720.6	4128741.51	0.00172157	0.00040259	0.00037322	0.00172
595749.63	4128741.51	0.00162524	0.00038406	0.00035612	0.00163
595778.66	4128741.51	0.00153562	0.00036631	0.00033975	0.00154
595807.69	4128741.51	0.00145348	0.00034968	0.00032438	0.00145
595836.72	4128741.51	0.00137763	0.00033389	0.00030979	0.00138
595865.75	4128741.51	0.00130778	0.0003191	0.00029611	0.00131
595894.78	4128741.51	0.00124369	0.00030525	0.0002833	0.00124
595923.81	4128741.51	0.00118464	0.00029218	0.0002712	0.00118
595952.84	4128741.51	0.00112985	0.0002798	0.00025974	0.00113
595981.87	4128741.51	0.00107892	0.00026804	0.00024884	0.00108
596010.9	4128741.51	0.00103145	0.00025686	0.00023847	0.00103

596039.93	4128741.51	0.0009871	0.00024619	0.00022858	0.00099
595459.33	4128760.66	0.00302489	0.00067037	0.00062061	0.00302
595488.36	4128760.66	0.00278441	0.00062758	0.00058125	0.00278
595517.39	4128760.66	0.00256613	0.00058779	0.00054462	0.00257
595546.42	4128760.66	0.00237985	0.00055281	0.00051239	0.00238
595575.45	4128760.66	0.00222773	0.0005232	0.00048508	0.00223
595604.48	4128760.66	0.00208619	0.0004954	0.00045942	0.00209
595633.51	4128760.66	0.00195568	0.00046956	0.00043557	0.00196
595662.54	4128760.66	0.00183488	0.00044542	0.00041329	0.00183
595691.57	4128760.66	0.00172625	0.00042328	0.00039284	0.00173
595720.6	4128760.66	0.00163734	0.0004039	0.0003749	0.00164
595749.63	4128760.66	0.00155264	0.00038525	0.00035764	0.00155
595778.66	4128760.66	0.00147092	0.00036777	0.00034148	0.00147
595807.69	4128760.66	0.00139503	0.00035112	0.00032607	0.00140
595836.72	4128760.66	0.00132451	0.0003352	0.00031132	0.00132
595865.75	4128760.66	0.00125936	0.00032025	0.00029746	0.00126
595894.78	4128760.66	0.00119956	0.00030629	0.00028453	0.00120
595923.81	4128760.66	0.00114434	0.00029313	0.00027232	0.00114
595952.84	4128760.66	0.00109305	0.00028064	0.00026073	0.00109
595981.87	4128760.66	0.00104503	0.00026874	0.00024968	0.00105
596010.9	4128760.66	0.00100042	0.00025743	0.00023918	0.00100
596039.93	4128760.66	0.00095864	0.00024665	0.00022917	0.00096
595459.33	4128779.81	0.00280699	0.00067232	0.00062363	0.00281
595488.36	4128779.81	0.00259792	0.00063023	0.00058476	0.00260
595517.39	4128779.81	0.0024034	0.00059096	0.0005485	0.00240
595546.42	4128779.81	0.00223394	0.00055556	0.00051581	0.00223
595575.45	4128779.81	0.00209228	0.00052504	0.00048754	0.00209
595604.48	4128779.81	0.00196169	0.00049674	0.00046136	0.00196
595633.51	4128779.81	0.00184516	0.00047102	0.00043755	0.00185
595662.54	4128779.81	0.00173541	0.00044681	0.00041514	0.00174
595691.57	4128779.81	0.00163364	0.00042417	0.00039418	0.00163
595720.6	4128779.81	0.00155132	0.0004047	0.00037613	0.00155
595749.63	4128779.81	0.00147968	0.0003867	0.00035941	0.00148
595778.66	4128779.81	0.0014071	0.00036914	0.00034312	0.00141
595807.69	4128779.81	0.00133707	0.00035237	0.00032756	0.00134
595836.72	4128779.81	0.00127207	0.00033648	0.00031281	0.00127
595865.75	4128779.81	0.0012118	0.00032152	0.00029893	0.00121
595894.78	4128779.81	0.00115626	0.00030748	0.00028588	0.00116
595923.81	4128779.81	0.0011047	0.00029418	0.00027353	0.00110
595952.84	4128779.81	0.00105652	0.00028152	0.00026176	0.00106
595981.87	4128779.81	0.00101146	0.00026946	0.00025055	0.00101
596010.9	4128779.81	0.00096942	0.00025798	0.00023987	0.00097
596039.93	4128779.81	0.00093015	0.00024708	0.00022972	0.00093
595459.33	4128798.96	0.00260587	0.00067669	0.00062885	0.00261
595488.36	4128798.96	0.00242243	0.00063435	0.00058961	0.00242
595517.39	4128798.96	0.00225039	0.0005954	0.00055353	0.00225
595546.42	4128798.96	0.0020979	0.00055978	0.00052051	0.00210
595575.45	4128798.96	0.00196751	0.00052841	0.00049141	0.00197
595604.48	4128798.96	0.00184682	0.00049941	0.0004645	0.00185
595633.51	4128798.96	0.00174348	0.00047375	0.00044069	0.00174
595662.54	4128798.96	0.00164502	0.00044952	0.0004182	0.00165
595691.57	4128798.96	0.00154819	0.00042607	0.00039644	0.00155
595720.6	4128798.96	0.00146639	0.00040541	0.00037725	0.00147
595749.63	4128798.96	0.001406	0.00038825	0.00036128	0.00141
595778.66	4128798.96	0.00134336	0.00037071	0.00034495	0.00134
595807.69	4128798.96	0.00127893	0.00035381	0.00032924	0.00128
595836.72	4128798.96	0.00121966	0.0003379	0.00031445	0.00122
595865.75	4128798.96	0.00116483	0.00032294	0.00030053	0.00116
595894.78	4128798.96	0.00111332	0.00030874	0.00028732	0.00111
595923.81	4128798.96	0.00106518	0.00029526	0.00027476	0.00107
595952.84	4128798.96	0.00102004	0.0002824	0.0002628	0.00102
595981.87	4128798.96	0.00097803	0.00027022	0.00025144	0.00098
596010.9	4128798.96	0.00093834	0.00025852	0.00024055	0.00094
596039.93	4128798.96	0.00090143	0.00024745	0.00023022	0.00090
595459.33	4128818.11	0.0024221	0.00068369	0.00063648	0.00242
595488.36	4128818.11	0.0022587	0.00064047	0.00059629	0.00226
595517.39	4128818.11	0.00210421	0.0006009	0.00055953	0.00210
595546.42	4128818.11	0.00196696	0.0005647	0.00052588	0.00197

595575.45	4128818.11	0.00185196	0.00053318	0.00049655	0.00185
595604.48	4128818.11	0.0017406	0.00050339	0.00046886	0.00174
595633.51	4128818.11	0.00165235	0.00047806	0.00044526	0.00165
595662.54	4128818.11	0.00156255	0.00045345	0.00042237	0.00156
595691.57	4128818.11	0.00147226	0.00042953	0.00040013	0.00147
595720.6	4128818.11	0.00139772	0.00040861	0.00038066	0.00140
595749.63	4128818.11	0.00133556	0.00039009	0.0003634	0.00134
595778.66	4128818.11	0.00127359	0.00037207	0.00034661	0.00127
595807.69	4128818.11	0.00121345	0.00035479	0.00033051	0.00121
595836.72	4128818.11	0.00116367	0.00033927	0.00031604	0.00116
595865.75	4128818.11	0.00111773	0.00032443	0.00030219	0.00112
595894.78	4128818.11	0.00107073	0.0003101	0.00028883	0.00107
595923.81	4128818.11	0.0010259	0.00029641	0.00027607	0.00103
595952.84	4128818.11	0.00098381	0.00028335	0.00026389	0.00098
595981.87	4128818.11	0.00094457	0.00027097	0.00025234	0.00094
596010.9	4128818.11	0.00090735	0.00025908	0.00024124	0.00091
596039.93	4128818.11	0.00087268	0.00024783	0.00023074	0.00087
595459.33	4128837.26	0.00225558	0.00069346	0.00064664	0.00226
595488.36	4128837.26	0.00210803	0.00064881	0.00060501	0.00211
595517.39	4128837.26	0.00196876	0.00060804	0.00056703	0.00197
595546.42	4128837.26	0.00184597	0.00057112	0.00053262	0.00185
595575.45	4128837.26	0.00174695	0.00053953	0.00050314	0.00175
595604.48	4128837.26	0.00164615	0.00050924	0.00047491	0.00165
595633.51	4128837.26	0.00156589	0.0004831	0.00045051	0.00157
595662.54	4128837.26	0.00148546	0.00045816	0.00042725	0.00149
595691.57	4128837.26	0.001404	0.00043424	0.00040496	0.00140
595720.6	4128837.26	0.00133451	0.00041272	0.0003849	0.00133
595749.63	4128837.26	0.00127024	0.00039269	0.00036622	0.00127
595778.66	4128837.26	0.00120898	0.00037369	0.0003485	0.00121
595807.69	4128837.26	0.00115354	0.00035607	0.00033205	0.00115
595836.72	4128837.26	0.00110869	0.00034052	0.00031752	0.00111
595865.75	4128837.26	0.0010698	0.00032595	0.00030389	0.00107
595894.78	4128837.26	0.00102809	0.00031147	0.00029036	0.00103
595923.81	4128837.26	0.00098694	0.00029764	0.00027744	0.00099
595952.84	4128837.26	0.0009477	0.00028434	0.00026502	0.00095
595981.87	4128837.26	0.00091082	0.00027167	0.00025318	0.00091
596010.9	4128837.26	0.0008761	0.00025959	0.00024189	0.00088
596039.93	4128837.26	0.00084357	0.00024812	0.00023117	0.00084
595459.33	4128856.41	0.00210702	0.00070592	0.00065926	0.00211
595488.36	4128856.41	0.00197148	0.00065951	0.0006159	0.00197
595517.39	4128856.41	0.00184548	0.00061696	0.00057616	0.00185
595546.42	4128856.41	0.0017353	0.00057915	0.00054083	0.00174
595575.45	4128856.41	0.00165239	0.00054732	0.00051104	0.00165
595604.48	4128856.41	0.00156141	0.0005165	0.00048225	0.00156
595633.51	4128856.41	0.00148457	0.00048882	0.00045637	0.00148
595662.54	4128856.41	0.00141251	0.00046297	0.00043221	0.00141
595691.57	4128856.41	0.00134107	0.00043954	0.00041034	0.00134
595720.6	4128856.41	0.00127522	0.00041738	0.00038963	0.00128
595749.63	4128856.41	0.00121051	0.00039618	0.00036984	0.00121
595778.66	4128856.41	0.00115131	0.00037632	0.0003513	0.00115
595807.69	4128856.41	0.00110012	0.00035833	0.00033448	0.00110
595836.72	4128856.41	0.00105591	0.00034198	0.00031919	0.00106
595865.75	4128856.41	0.00102101	0.00032738	0.00030551	0.00102
595894.78	4128856.41	0.00098548	0.00031285	0.0002919	0.00099
595923.81	4128856.41	0.00094813	0.00029889	0.00027884	0.00095
595952.84	4128856.41	0.00091155	0.00028532	0.00026614	0.00091
595981.87	4128856.41	0.00087686	0.0002723	0.00025396	0.00088
596010.9	4128856.41	0.00084465	0.00026004	0.00024249	0.00084
596039.93	4128856.41	0.00081426	0.00024838	0.00023157	0.00081
595459.33	4128875.56	0.00197668	0.0007215	0.00067476	0.00198
595488.36	4128875.56	0.00185288	0.00067258	0.00062895	0.00185
595517.39	4128875.56	0.00174305	0.00062914	0.00058827	0.00174
595546.42	4128875.56	0.00164724	0.00059066	0.00055224	0.00165
595575.45	4128875.56	0.00155863	0.00055578	0.00051958	0.00156
595604.48	4128875.56	0.00147925	0.00052426	0.00049006	0.00148
595633.51	4128875.56	0.00140808	0.00049509	0.00046274	0.00141
595662.54	4128875.56	0.00134046	0.0004688	0.00043812	0.00134
595691.57	4128875.56	0.00127474	0.00044461	0.0004155	0.00127

595720.6	4128875.56	0.00121533	0.00042204	0.00039438	0.00122
595749.63	4128875.56	0.00115952	0.00040091	0.00037461	0.00116
595778.66	4128875.56	0.00110782	0.00038117	0.00035614	0.00111
595807.69	4128875.56	0.00105672	0.00036225	0.00033844	0.00106
595836.72	4128875.56	0.00101148	0.00034473	0.00032204	0.00101
595865.75	4128875.56	0.00097589	0.0003292	0.00030748	0.00098
595894.78	4128875.56	0.00094135	0.00031421	0.00029343	0.00094
595923.81	4128875.56	0.00090893	0.00029995	0.00028005	0.00091
595952.84	4128875.56	0.00087576	0.00028631	0.00026727	0.00088
595981.87	4128875.56	0.00084361	0.00027307	0.00025487	0.00084
596010.9	4128875.56	0.00081324	0.00026045	0.00024305	0.00081
596039.93	4128875.56	0.00078455	0.00024845	0.0002318	0.00078
595459.33	4128894.71	0.00186765	0.00074023	0.00069312	0.00187
595488.36	4128894.71	0.00175251	0.00068856	0.00064466	0.00175
595517.39	4128894.71	0.00165434	0.00064342	0.00060231	0.00165
595546.42	4128894.71	0.00156571	0.00060251	0.00056392	0.00157
595575.45	4128894.71	0.0014783	0.00056616	0.00052987	0.00148
595604.48	4128894.71	0.00140557	0.00053304	0.0004988	0.00141
595633.51	4128894.71	0.00133807	0.00050301	0.00047063	0.00134
595662.54	4128894.71	0.001274	0.00047555	0.00044489	0.00127
595691.57	4128894.71	0.00121344	0.00045042	0.00042135	0.00121
595720.6	4128894.71	0.00115877	0.00042719	0.00039957	0.00116
595749.63	4128894.71	0.00110868	0.00040556	0.0003793	0.00111
595778.66	4128894.71	0.00106147	0.00038538	0.00036038	0.00106
595807.69	4128894.71	0.00101297	0.00036601	0.00034224	0.00101
595836.72	4128894.71	0.00096916	0.0003478	0.00032518	0.00097
595865.75	4128894.71	0.00093339	0.00033135	0.00030975	0.00093
595894.78	4128894.71	0.00089983	0.00031578	0.00029514	0.00090
595923.81	4128894.71	0.00087116	0.00030122	0.00028146	0.00087
595952.84	4128894.71	0.00084049	0.0002873	0.0002684	0.00084
595981.87	4128894.71	0.00081067	0.00027381	0.00025575	0.00081
596010.9	4128894.71	0.00078211	0.00026083	0.00024358	0.00078
596039.93	4128894.71	0.0007551	0.0002485	0.000232	0.00076
595459.33	4128913.86	0.00177949	0.00076256	0.0007148	0.00178
595488.36	4128913.86	0.0016716	0.00070786	0.00066342	0.00167
595517.39	4128913.86	0.00157881	0.00065956	0.00061804	0.00158
595546.42	4128913.86	0.00149213	0.00061637	0.00057748	0.00149
595575.45	4128913.86	0.00141213	0.000578	0.00054146	0.00141
595604.48	4128913.86	0.00134077	0.00054334	0.00050892	0.00134
595633.51	4128913.86	0.00127483	0.00051196	0.00047947	0.00127
595662.54	4128913.86	0.00121379	0.00048333	0.0004526	0.00121
595691.57	4128913.86	0.0011576	0.00045719	0.00042808	0.00116
595720.6	4128913.86	0.0011064	0.00043303	0.0004054	0.00111
595749.63	4128913.86	0.00105913	0.0004106	0.00038435	0.00106
595778.66	4128913.86	0.00101448	0.0003897	0.00036473	0.00101
595807.69	4128913.86	0.00097003	0.00036987	0.00034613	0.00097
595836.72	4128913.86	0.00092906	0.00035113	0.00032855	0.00093
595865.75	4128913.86	0.00089397	0.0003339	0.00031237	0.00089
595894.78	4128913.86	0.00086278	0.00031783	0.00029728	0.00086
595923.81	4128913.86	0.00083519	0.0003027	0.00028305	0.00084
595952.84	4128913.86	0.00080644	0.00028841	0.00026963	0.00081
595981.87	4128913.86	0.00077842	0.00027453	0.0002566	0.00078
596010.9	4128913.86	0.00075159	0.00026119	0.00024407	0.00075
596039.93	4128913.86	0.00072621	0.00024854	0.00023219	0.00073
595459.33	4128933.01	0.00171188	0.00078884	0.00074012	0.00171
595488.36	4128933.01	0.00160794	0.00073016	0.00068494	0.00161
595517.39	4128933.01	0.00151558	0.00067828	0.00063616	0.00152
595546.42	4128933.01	0.0014307	0.00063258	0.00059321	0.00143
595575.45	4128933.01	0.00135421	0.00059198	0.00055504	0.00135
595604.48	4128933.01	0.0012843	0.00055544	0.00052072	0.00128
595633.51	4128933.01	0.00122019	0.00052237	0.00048965	0.00122
595662.54	4128933.01	0.00116177	0.00049245	0.00046154	0.00116
595691.57	4128933.01	0.00110825	0.00046506	0.00043581	0.00111
595720.6	4128933.01	0.00105898	0.00043981	0.00041209	0.00106
595749.63	4128933.01	0.00101351	0.0004164	0.00039009	0.00101
595778.66	4128933.01	0.00097026	0.00039459	0.00036961	0.00097
595807.69	4128933.01	0.00092829	0.00037392	0.0003502	0.00093
595836.72	4128933.01	0.00089007	0.00035456	0.00033202	0.00089

595865.75	4128933.01	0.00085643	0.00033662	0.00031516	0.00086
595894.78	4128933.01	0.00082709	0.00031998	0.00029951	0.00083
595923.81	4128933.01	0.00080103	0.00030431	0.00028477	0.00080
595952.84	4128933.01	0.00077417	0.00028971	0.00027104	0.00077
595981.87	4128933.01	0.00074754	0.00027532	0.00025752	0.00075
596010.9	4128933.01	0.00072216	0.00026158	0.00024461	0.00072
596039.93	4128933.01	0.00069827	0.00024862	0.00023242	0.00070
595459.33	4128952.16	0.00165906	0.00081868	0.00076874	0.00166
595488.36	4128952.16	0.00155777	0.00075516	0.00070895	0.00156
595517.39	4128952.16	0.00146492	0.00069986	0.00065693	0.00146
595546.42	4128952.16	0.00138123	0.00065114	0.0006111	0.00138
595575.45	4128952.16	0.00130614	0.000608	0.00057052	0.00131
595604.48	4128952.16	0.0012373	0.00056922	0.00053406	0.00124
595633.51	4128952.16	0.00117446	0.00053446	0.00050137	0.00117
595662.54	4128952.16	0.00111755	0.00050288	0.00047168	0.00112
595691.57	4128952.16	0.00106539	0.00047405	0.00044458	0.00107
595720.6	4128952.16	0.0010175	0.00044751	0.00041963	0.00102
595749.63	4128952.16	0.00097292	0.00042297	0.00039655	0.00097
595778.66	4128952.16	0.00093048	0.00040005	0.00037501	0.00093
595807.69	4128952.16	0.00089081	0.00037853	0.00035478	0.00089
595836.72	4128952.16	0.00085458	0.0003584	0.00033586	0.00085
595865.75	4128952.16	0.00082133	0.00033958	0.00031816	0.00082
595894.78	4128952.16	0.00079288	0.00032223	0.00030184	0.00079
595923.81	4128952.16	0.00076838	0.000306	0.00028654	0.00077
595952.84	4128952.16	0.0007434	0.00029093	0.00027237	0.00074
595981.87	4128952.16	0.00071837	0.00027625	0.00025855	0.00072
596010.9	4128952.16	0.00069421	0.00026205	0.00024519	0.00069
596039.93	4128952.16	0.00067138	0.00024864	0.00023258	0.00067
595459.33	4128971.31	0.001619	0.00085244	0.00080102	0.00162
595488.36	4128971.31	0.00151742	0.00078388	0.00073645	0.00152
595517.39	4128971.31	0.00142553	0.00072436	0.0006804	0.00143
595546.42	4128971.31	0.0013426	0.00067217	0.00063127	0.00134
595575.45	4128971.31	0.00126786	0.00062603	0.00058785	0.00127
595604.48	4128971.31	0.00119947	0.00058494	0.00054919	0.00120
595633.51	4128971.31	0.00113761	0.00054805	0.00051447	0.00114
595662.54	4128971.31	0.00108114	0.00051465	0.00048306	0.00108
595691.57	4128971.31	0.00102939	0.00048421	0.00045442	0.00103
595720.6	4128971.31	0.00098179	0.00045621	0.00042808	0.00098
595749.63	4128971.31	0.00093755	0.00043035	0.00040375	0.00094
595778.66	4128971.31	0.00089621	0.00040623	0.00038106	0.00090
595807.69	4128971.31	0.00085794	0.00038371	0.00035987	0.00086
595836.72	4128971.31	0.00082297	0.00036269	0.0003401	0.00082
595865.75	4128971.31	0.00078932	0.00034281	0.0003214	0.00079
595894.78	4128971.31	0.00075919	0.00032431	0.00030399	0.00076
595923.81	4128971.31	0.00073621	0.00030769	0.00028833	0.00074
595952.84	4128971.31	0.00071425	0.00029189	0.00027343	0.00071
595981.87	4128971.31	0.00069091	0.0002771	0.00025951	0.00069
596010.9	4128971.31	0.0006679	0.00026254	0.0002458	0.00067
596039.93	4128971.31	0.00064599	0.00024869	0.00023276	0.00065
595459.33	4128990.46	0.0015878	0.00089064	0.00083747	0.00159
595488.36	4128990.46	0.00148698	0.00081617	0.00076728	0.00149
595517.39	4128990.46	0.00139583	0.00075186	0.00070668	0.00140
595546.42	4128990.46	0.00131333	0.00069573	0.00065381	0.00131
595575.45	4128990.46	0.00123836	0.00064639	0.00060735	0.00124
595604.48	4128990.46	0.00117032	0.00060258	0.0005661	0.00117
595633.51	4128990.46	0.00110831	0.00056334	0.00052916	0.00111
595662.54	4128990.46	0.00105205	0.00052786	0.00049576	0.00105
595691.57	4128990.46	0.00100032	0.00049556	0.00046535	0.00100
595720.6	4128990.46	0.00095248	0.00046594	0.00043747	0.00095
595749.63	4128990.46	0.00090802	0.00043856	0.0004117	0.00091
595778.66	4128990.46	0.00086745	0.00041316	0.0003878	0.00087
595807.69	4128990.46	0.00083039	0.00038957	0.00036559	0.00083
595836.72	4128990.46	0.00079701	0.00036766	0.00034496	0.00080
595865.75	4128990.46	0.00076421	0.00034692	0.00032544	0.00076
595894.78	4128990.46	0.00073243	0.00032721	0.00030688	0.00073
595923.81	4128990.46	0.00070666	0.00030935	0.00029006	0.00071
595952.84	4128990.46	0.00068506	0.00029287	0.00027452	0.00069
595981.87	4128990.46	0.00066511	0.00027764	0.00026016	0.00067

596010.9	4128990.46	0.00064344	0.00026298	0.00024635	0.00064
596039.93	4128990.46	0.00062208	0.00024858	0.00023279	0.00062
595459.33	4129009.61	0.00156357	0.00093358	0.00087838	0.00156
595488.36	4129009.61	0.00146393	0.00085226	0.00080167	0.00146
595517.39	4129009.61	0.00137362	0.00078249	0.00073589	0.00137
595546.42	4129009.61	0.0012916	0.00072197	0.00067885	0.00129
595575.45	4129009.61	0.00121654	0.00066908	0.00062901	0.00122
595604.48	4129009.61	0.00114847	0.00062218	0.00058483	0.00115
595633.51	4129009.61	0.00108624	0.00058029	0.00054537	0.00109
595662.54	4129009.61	0.00102965	0.00054249	0.00050977	0.00103
595691.57	4129009.61	0.00097736	0.00050813	0.00047741	0.00098
595720.6	4129009.61	0.00092879	0.00047666	0.00044779	0.00093
595749.63	4129009.61	0.00088424	0.00044763	0.00042044	0.00088
595778.66	4129009.61	0.00084389	0.00042081	0.00039519	0.00084
595807.69	4129009.61	0.00080759	0.00039601	0.00037183	0.00081
595836.72	4129009.61	0.00077533	0.00037303	0.00035018	0.00078
595865.75	4129009.61	0.00074323	0.00035134	0.00032974	0.00074
595894.78	4129009.61	0.00071077	0.00033065	0.00031026	0.00071
595923.81	4129009.61	0.00068149	0.00031129	0.00029203	0.00068
595952.84	4129009.61	0.00065756	0.00029375	0.0002755	0.00066
595981.87	4129009.61	0.000641	0.000278	0.00026063	0.00064
596010.9	4129009.61	0.00062085	0.00026321	0.00024669	0.00062
596039.93	4129009.61	0.00060014	0.00024846	0.00023279	0.00060
595459.33	4129028.76	0.00154458	0.00098176	0.00092424	0.00154
595488.36	4129028.76	0.00144616	0.00089247	0.00083996	0.00145
595517.39	4129028.76	0.00135687	0.00081649	0.00076827	0.00136
595546.42	4129028.76	0.00127526	0.0007511	0.0007066	0.00128
595575.45	4129028.76	0.0012008	0.00069406	0.00065282	0.00120
595604.48	4129028.76	0.00113248	0.00064379	0.00060543	0.00113
595633.51	4129028.76	0.00107024	0.00059894	0.00056317	0.00107
595662.54	4129028.76	0.00101261	0.00055858	0.00052514	0.00101
595691.57	4129028.76	0.00095963	0.00052195	0.00049063	0.00096
595720.6	4129028.76	0.00091088	0.00048845	0.00045908	0.00091
595749.63	4129028.76	0.00086595	0.00045763	0.00043004	0.00087
595778.66	4129028.76	0.00082544	0.00042925	0.0004033	0.00083
595807.69	4129028.76	0.00078951	0.00040308	0.00037864	0.00079
595836.72	4129028.76	0.00075598	0.00037867	0.00035564	0.00076
595865.75	4129028.76	0.00072344	0.00035579	0.00033408	0.00072
595894.78	4129028.76	0.00069402	0.00033449	0.000314	0.00069
595923.81	4129028.76	0.00066595	0.00031451	0.00029517	0.00067
595952.84	4129028.76	0.00063714	0.00029533	0.00027711	0.00064
595981.87	4129028.76	0.0006164	0.00027843	0.00026117	0.00062
596010.9	4129028.76	0.00059999	0.000263	0.00024661	0.00060
596039.93	4129028.76	0.00058007	0.00024811	0.00023257	0.00058
595459.33	4129047.91	0.00152933	0.0010359	0.00097574	0.00153
595488.36	4129047.91	0.00143198	0.0009373	0.00088261	0.00143
595517.39	4129047.91	0.00134382	0.00085418	0.00080413	0.00134
595546.42	4129047.91	0.00126288	0.00078328	0.00073723	0.00126
595575.45	4129047.91	0.00118901	0.00072164	0.00067907	0.00119
595604.48	4129047.91	0.00112098	0.00066752	0.00062804	0.00112
595633.51	4129047.91	0.00105843	0.00061938	0.00058264	0.00106
595662.54	4129047.91	0.00100044	0.00057612	0.00054187	0.00100
595691.57	4129047.91	0.00094673	0.00053699	0.00050499	0.00095
595720.6	4129047.91	0.00089755	0.00050127	0.00047133	0.00090
595749.63	4129047.91	0.00085275	0.00046856	0.00044049	0.00085
595778.66	4129047.91	0.00081204	0.00043845	0.00041211	0.00081
595807.69	4129047.91	0.00077533	0.00041062	0.00038588	0.00078
595836.72	4129047.91	0.00074037	0.00038473	0.00036147	0.00074
595865.75	4129047.91	0.00070756	0.00036058	0.00033871	0.00071
595894.78	4129047.91	0.00067873	0.00033822	0.00031762	0.00068
595923.81	4129047.91	0.00064934	0.00031714	0.00029776	0.00065
595952.84	4129047.91	0.00061875	0.0002968	0.0002786	0.00062
595981.87	4129047.91	0.0005974	0.00027912	0.00026192	0.00060
596010.9	4129047.91	0.00058192	0.00026311	0.0002468	0.00058
596039.93	4129047.91	0.00056197	0.00024756	0.00023214	0.00056
595459.33	4129067.06	0.00151734	0.00109707	0.00103391	0.00152
595488.36	4129067.06	0.00142033	0.0009874	0.00093026	0.00142
595517.39	4129067.06	0.00133259	0.00089629	0.00084419	0.00133

595546.42	4129067.06	0.00125304	0.00081877	0.00077099	0.00125
595575.45	4129067.06	0.0011803	0.00075183	0.0007078	0.00118
595604.48	4129067.06	0.00111277	0.00069341	0.00065267	0.00111
595633.51	4129067.06	0.0010497	0.00064162	0.00060381	0.00105
595662.54	4129067.06	0.00099161	0.0005952	0.00056004	0.00099
595691.57	4129067.06	0.00093775	0.00055329	0.00052051	0.00094
595720.6	4129067.06	0.00088824	0.00051515	0.00048455	0.00089
595749.63	4129067.06	0.00084353	0.00048034	0.00045173	0.00084
595778.66	4129067.06	0.00080271	0.0004483	0.00042151	0.00080
595807.69	4129067.06	0.0007646	0.00041865	0.00039356	0.00076
595836.72	4129067.06	0.0007281	0.00039114	0.00036763	0.00073
595865.75	4129067.06	0.00069529	0.00036565	0.00034359	0.00070
595894.78	4129067.06	0.00066549	0.000342	0.00032128	0.00067
595923.81	4129067.06	0.00063354	0.00031958	0.00030016	0.00063
595952.84	4129067.06	0.00060275	0.00029819	0.00028001	0.00060
595981.87	4129067.06	0.00058348	0.0002802	0.00026303	0.00058
596010.9	4129067.06	0.0005664	0.00026327	0.00024704	0.00057
596039.93	4129067.06	0.00054603	0.00024705	0.00023174	0.00055
595459.33	4129086.21	0.00150882	0.00116662	0.00110001	0.00151
595488.36	4129086.21	0.00141072	0.00104391	0.00098399	0.00141
595517.39	4129086.21	0.00132366	0.00094285	0.00088846	0.00132
595546.42	4129086.21	0.00124496	0.00085785	0.00080815	0.00124
595575.45	4129086.21	0.00117294	0.00078505	0.00073938	0.00117
595604.48	4129086.21	0.00110593	0.00072172	0.0006796	0.00111
595633.51	4129086.21	0.00104329	0.00066574	0.00062675	0.00104
595662.54	4129086.21	0.00098543	0.0006158	0.00057964	0.00099
595691.57	4129086.21	0.00093193	0.00057087	0.00053725	0.00093
595720.6	4129086.21	0.00088268	0.00053012	0.00049881	0.00088
595749.63	4129086.21	0.00083753	0.0004929	0.00046369	0.00084
595778.66	4129086.21	0.00079558	0.0004587	0.00043143	0.00080
595807.69	4129086.21	0.00075652	0.00042714	0.00040166	0.00076
595836.72	4129086.21	0.00071977	0.00039793	0.00037412	0.00072
595865.75	4129086.21	0.00068568	0.00037089	0.00034862	0.00069
595894.78	4129086.21	0.00065458	0.00034587	0.00032502	0.00065
595923.81	4129086.21	0.00062499	0.00032266	0.00030313	0.00062
595952.84	4129086.21	0.00059532	0.00030081	0.00028254	0.00060
595981.87	4129086.21	0.00057028	0.00028091	0.00026377	0.00057
596010.9	4129086.21	0.00055015	0.00026304	0.0002469	0.00055
596039.93	4129086.21	0.000532	0.00024646	0.00023125	0.00053
595459.33	4129105.36	0.00150484	0.00124637	0.00117577	0.00150
595488.36	4129105.36	0.00140385	0.00110794	0.00104484	0.00140
595517.39	4129105.36	0.00131609	0.00099516	0.00093818	0.00132
595546.42	4129105.36	0.001238	0.0009012	0.00084936	0.00124
595575.45	4129105.36	0.00116621	0.00082159	0.00077413	0.00117
595604.48	4129105.36	0.0011	0.00075252	0.00070888	0.00110
595633.51	4129105.36	0.00103806	0.00069189	0.00065162	0.00104
595662.54	4129105.36	0.00098089	0.00063803	0.00060077	0.00098
595691.57	4129105.36	0.00092779	0.00058975	0.00055519	0.00093
595720.6	4129105.36	0.00087885	0.00054605	0.00051395	0.00088
595749.63	4129105.36	0.00083332	0.0005062	0.00047634	0.00083
595778.66	4129105.36	0.00079064	0.00046964	0.00044185	0.00079
595807.69	4129105.36	0.00075074	0.00043601	0.00041012	0.00075
595836.72	4129105.36	0.00071365	0.00040497	0.00038083	0.00071
595865.75	4129105.36	0.00067872	0.00037627	0.00035377	0.00068
595894.78	4129105.36	0.00064666	0.00034982	0.00032881	0.00065
595923.81	4129105.36	0.00061732	0.00032544	0.00030581	0.00062
595952.84	4129105.36	0.00058792	0.00030277	0.00028444	0.00059
595981.87	4129105.36	0.00055986	0.00028161	0.00026449	0.00056
596010.9	4129105.36	0.00053718	0.00026265	0.0002466	0.00054
596039.93	4129105.36	0.00051925	0.00024565	0.00023055	0.00052
595459.33	4129124.51	0.00150676	0.00133945	0.00126418	0.00151
595488.36	4129124.51	0.00140078	0.00118103	0.00111427	0.00140
595517.39	4129124.51	0.0013109	0.00105393	0.00099403	0.00131
595546.42	4129124.51	0.00123161	0.00094969	0.00089545	0.00123
595575.45	4129124.51	0.00116004	0.00086181	0.00081236	0.00116
595604.48	4129124.51	0.00109444	0.00078613	0.00074083	0.00109
595633.51	4129124.51	0.00103326	0.00072023	0.00067857	0.00103
595662.54	4129124.51	0.00097695	0.00066198	0.00062354	0.00098



595691.57	4129124.51	0.00092475	0.00060996	0.00057441	0.00092
595720.6	4129124.51	0.00087614	0.00056297	0.00053004	0.00088
595749.63	4129124.51	0.00083027	0.00052022	0.00048968	0.00083
595778.66	4129124.51	0.00078707	0.00048112	0.00045277	0.00079
595807.69	4129124.51	0.00074667	0.0004452	0.00041887	0.00075
595836.72	4129124.51	0.00070898	0.00041215	0.00038768	0.00071
595865.75	4129124.51	0.0006739	0.00038175	0.00035899	0.00067
595894.78	4129124.51	0.00064135	0.0003538	0.00033262	0.00064
595923.81	4129124.51	0.00061047	0.00032802	0.0003083	0.00061
595952.84	4129124.51	0.00058005	0.00030421	0.00028585	0.00058
595981.87	4129124.51	0.00055199	0.00028221	0.0002651	0.00055
596010.9	4129124.51	0.00052827	0.00026238	0.00024639	0.00053
596039.93	4129124.51	0.00050693	0.0002443	0.00022934	0.00051
595249.89	4128695.55	0.00918058	0.00128236	0.00116912	0.00918
595290.33	4128695.55	0.0075569	0.00110701	0.00101121	0.00756
595330.77	4128695.55	0.0063258	0.0009689	0.00088659	0.00633
595371.21	4128695.55	0.00537196	0.00085789	0.00078623	0.00537
595411.65	4128695.55	0.00460147	0.00076605	0.0007031	0.00460
595452.09	4128695.55	0.0039879	0.00068934	0.00063351	0.00399
595249.89	4128726.21	0.00763926	0.00123352	0.00113093	0.00764
595290.33	4128726.21	0.0063797	0.00107252	0.00098472	0.00638
595330.77	4128726.21	0.00541126	0.00094443	0.00086822	0.00541
595371.21	4128726.21	0.00465118	0.00084049	0.00077354	0.00465
595411.65	4128726.21	0.00404029	0.00075544	0.00069601	0.00404
595452.09	4128726.21	0.00353783	0.00068335	0.00063022	0.00354
595249.89	4128756.87	0.00631692	0.00120783	0.00111357	0.00632
595290.33	4128756.87	0.00536516	0.00105545	0.00097391	0.00537
595330.77	4128756.87	0.0046185	0.00093329	0.00086185	0.00462
595371.21	4128756.87	0.00402228	0.00083342	0.00077017	0.00402
595411.65	4128756.87	0.00353654	0.00075082	0.0006943	0.00354
595452.09	4128756.87	0.00313452	0.00068155	0.00063065	0.00313
595249.89	4128787.53	0.00524224	0.0012096	0.00112097	0.00524
595290.33	4128787.53	0.00452775	0.00105782	0.00098061	0.00453
595330.77	4128787.53	0.00395368	0.00093625	0.0008682	0.00395
595371.21	4128787.53	0.00348543	0.00083697	0.00077639	0.00349
595411.65	4128787.53	0.00309936	0.00075443	0.00070005	0.00310
595452.09	4128787.53	0.00277631	0.00068502	0.00063585	0.00278
595249.89	4128818.19	0.00441397	0.00124164	0.00115581	0.00441
595290.33	4128818.19	0.00386257	0.00108158	0.00100672	0.00386
595330.77	4128818.19	0.00341213	0.00095467	0.00088858	0.00341
595371.21	4128818.19	0.00303963	0.00085171	0.00079277	0.00304
595411.65	4128818.19	0.002728	0.00076663	0.00071362	0.00273
595452.09	4128818.19	0.00246433	0.0006953	0.00064727	0.00246
595249.89	4128848.85	0.00381246	0.00130689	0.00122098	0.00381
595290.33	4128848.85	0.00336243	0.0011285	0.00105394	0.00336
595330.77	4128848.85	0.00299196	0.00098978	0.00092416	0.00299
595371.21	4128848.85	0.0026832	0.00087886	0.00082045	0.00268
595411.65	4128848.85	0.00242289	0.00078829	0.00073582	0.00242
595452.09	4128848.85	0.00219973	0.00071296	0.00066545	0.00220
595249.89	4128879.51	0.00340067	0.00140954	0.00132066	0.00340
595290.33	4128879.51	0.00300764	0.00120137	0.00112504	0.00301
595330.77	4128879.51	0.00268343	0.00104374	0.00097705	0.00268
595371.21	4128879.51	0.00241366	0.00091996	0.00086092	0.00241
595411.65	4128879.51	0.00218432	0.00082074	0.0007679	0.00218
595452.09	4128879.51	0.00198545	0.00073836	0.00069072	0.00199
595249.89	4128910.17	0.00313477	0.00155519	0.00146042	0.00313
595290.33	4128910.17	0.00277071	0.00130296	0.00122279	0.00277
595330.77	4128910.17	0.00247137	0.00111824	0.00104893	0.00247
595371.21	4128910.17	0.00222133	0.00097703	0.00091615	0.00222
595411.65	4128910.17	0.00200926	0.00086449	0.00081039	0.00201
595452.09	4128910.17	0.00182531	0.00077273	0.00072422	0.00183
595249.89	4128940.83	0.00297154	0.0017554	0.00165144	0.00297
595290.33	4128940.83	0.00261682	0.00143952	0.00135331	0.00262
595330.77	4128940.83	0.0023309	0.0012169	0.00114339	0.00233
595371.21	4128940.83	0.00209196	0.0010509	0.000987	0.00209
595411.65	4128940.83	0.00188823	0.00092073	0.00086445	0.00189
595452.09	4128940.83	0.00171603	0.000817	0.00076685	0.00172
595370.31	4128948.01	0.00207328	0.00107412	0.00100915	0.00207

595402.84	4128948.01	0.00190738	0.00096253	0.00090405	0.00191
595435.37	4128948.01	0.00176243	0.00087035	0.00081727	0.00176
595370.31	4128976.76	0.00199819	0.00116528	0.00109613	0.00200
595402.84	4128976.76	0.00183798	0.00103538	0.00097361	0.00184
595435.37	4128976.76	0.001701	0.0009294	0.00087368	0.00170
595370.31	4129005.51	0.00195019	0.0012785	0.00120392	0.00195
595402.84	4129005.51	0.0017938	0.00112414	0.00105814	0.00179
595435.37	4129005.51	0.00165877	0.00100041	0.00094135	0.00166
595370.31	4129034.26	0.00192271	0.00142045	0.00133889	0.00192
595402.84	4129034.26	0.0017645	0.00123254	0.00116126	0.00176
595435.37	4129034.26	0.00162891	0.0010858	0.00102261	0.00163
595370.31	4129063.01	0.00191656	0.00160217	0.00151152	0.00192
595402.84	4129063.01	0.00174788	0.00136722	0.00128927	0.00175
595435.37	4129063.01	0.00160884	0.00118928	0.001121	0.00161
595370.31	4129091.76	0.0019428	0.00184205	0.00173921	0.00194
595402.84	4129091.76	0.00175042	0.00153824	0.00145169	0.00175
595435.37	4129091.76	0.00160009	0.00131681	0.00124217	0.00160
595548.86	4129154.91	0.00121887	0.00102943	0.00097125	0.00122
595605.25	4129154.91	0.00108451	0.00084421	0.00079605	0.00108
595661.64	4129154.91	0.0009727	0.00070585	0.00066523	0.00097
595718.03	4129154.91	0.00087603	0.00059634	0.00056173	0.00088
595548.86	4129180.69	0.00121953	0.00111815	0.00105552	0.00122
595605.25	4129180.69	0.00107944	0.00090293	0.00085184	0.00108
595661.64	4129180.69	0.00096762	0.00074588	0.00070328	0.00097
595718.03	4129180.69	0.00087125	0.00062334	0.00058741	0.00087
595548.86	4129206.47	0.00122974	0.00122435	0.00115633	0.00123
595605.25	4129206.47	0.00107725	0.00097086	0.00091638	0.00108
595661.64	4129206.47	0.00096176	0.00079065	0.00074583	0.00096
595718.03	4129206.47	0.00086498	0.00065233	0.00061497	0.00086
595548.86	4129232.25	0.00125327	0.00135414	0.00127948	0.00135
595605.25	4129232.25	0.00108094	0.00105041	0.00099191	0.00108
595661.64	4129232.25	0.00095687	0.00084099	0.00079367	0.00096
595718.03	4129232.25	0.0008573	0.00068336	0.00064449	0.00086
595770.66	4129137.18	0.00079688	0.00049985	0.00047051	0.00080
595794.75	4129137.18	0.00076239	0.00046773	0.00044018	0.00076
595818.84	4129137.18	0.00072971	0.00043781	0.00041194	0.00073
595842.93	4129137.18	0.00069882	0.00040996	0.00038565	0.00070
595867.02	4129137.18	0.00066967	0.000384	0.00036116	0.00067
595891.11	4129137.18	0.00064207	0.00035982	0.00033833	0.00064
595915.2	4129137.18	0.00061591	0.00033728	0.00031707	0.00062
595939.29	4129137.18	0.00059001	0.00031627	0.00029725	0.00059
595770.66	4129177.59	0.00079109	0.00052747	0.00049678	0.00079
595794.75	4129177.59	0.00075671	0.00049025	0.00046161	0.00076
595818.84	4129177.59	0.00072389	0.00045583	0.00042909	0.00072
595842.93	4129177.59	0.00069247	0.00042396	0.00039899	0.00069
595867.02	4129177.59	0.00066236	0.00039449	0.00037115	0.00066
595891.11	4129177.59	0.00063357	0.00036726	0.00034545	0.00063
595915.2	4129177.59	0.00060641	0.00034216	0.00032175	0.00061
595939.29	4129177.59	0.00058023	0.00031892	0.00029982	0.00058
595770.66	4129218	0.00078171	0.00055615	0.00052406	0.00078
595794.75	4129218	0.00074787	0.00051266	0.00048294	0.00075
595818.84	4129218	0.00071503	0.00047272	0.00044518	0.00072
595842.93	4129218	0.00068391	0.00043626	0.00041071	0.00068
595867.02	4129218	0.000654	0.00040292	0.00037921	0.00065
595891.11	4129218	0.00062541	0.00037242	0.0003504	0.00063
595915.2	4129218	0.00059826	0.00034451	0.00032403	0.00060
595939.29	4129218	0.00057269	0.00031901	0.00029994	0.00057
595770.66	4129258.41	0.00076624	0.00058447	0.00055105	0.00077
595794.75	4129258.41	0.00073212	0.00053311	0.00050244	0.00073
595818.84	4129258.41	0.00069987	0.00048682	0.00045865	0.00070
595842.93	4129258.41	0.00066923	0.00044508	0.00041917	0.00067
595867.02	4129258.41	0.00064037	0.00040738	0.00038351	0.00064
595891.11	4129258.41	0.00061312	0.00037334	0.00035133	0.00061
595915.2	4129258.41	0.00058727	0.00034258	0.00032225	0.00059
595939.29	4129258.41	0.00056246	0.00031476	0.00029597	0.00056
595770.66	4129298.82	0.00074517	0.0006103	0.00057568	0.00075
595794.75	4129298.82	0.00070976	0.00054938	0.00051801	0.00071
595818.84	4129298.82	0.00067712	0.0004954	0.00046692	0.00068

595842.93	4129298.82	0.00064699	0.00044753	0.00042161	0.00065
595867.02	4129298.82	0.00061915	0.00040505	0.00038141	0.00062
595891.11	4129298.82	0.00059312	0.00036733	0.00034573	0.00059
595915.2	4129298.82	0.000569	0.00033388	0.00031409	0.00057
595939.29	4129298.82	0.00054586	0.00030414	0.00028596	0.00055
595957.02	4129258.56	0.00054509	0.00029601	0.00027824	0.00055
596003.21	4129258.56	0.00050331	0.00025337	0.00023797	0.00050
595957.02	4129289.71	0.00053396	0.00028764	0.00027036	0.00053
596003.21	4129289.71	0.0004948	0.00024385	0.00022897	0.00049
595957.02	4129320.86	0.00051834	0.00027498	0.00025842	0.00052
596003.21	4129320.86	0.00048248	0.00023112	0.00021694	0.00048
595957.02	4129352.01	0.0004981	0.00025781	0.00024221	0.00050
596003.21	4129352.01	0.00046605	0.0002154	0.0002021	0.00047
595780.89	4129328.94	0.00071042	0.00059486	0.00056121	0.00071
595811.48	4129328.94	0.0006652	0.00051305	0.00048375	0.00067
595842.07	4129328.94	0.00062604	0.00044439	0.00041875	0.00063
595872.66	4129328.94	0.00059147	0.0003867	0.00036413	0.00059
595903.25	4129328.94	0.00056073	0.00033824	0.00031827	0.00056
595933.84	4129328.94	0.00053293	0.00029748	0.0002797	0.00053
595780.89	4129353.44	0.00069289	0.00059847	0.00056473	0.00069
595811.48	4129353.44	0.00064477	0.00050825	0.0004793	0.00064
595842.07	4129353.44	0.00060472	0.00043435	0.00040932	0.00060
595872.66	4129353.44	0.00057035	0.00037372	0.00035192	0.00057
595903.25	4129353.44	0.00054074	0.00032397	0.00030482	0.00054
595933.84	4129353.44	0.00051491	0.00028309	0.00026613	0.00051
595780.89	4129377.94	0.0006731	0.00059375	0.00056035	0.00067
595811.48	4129377.94	0.00062174	0.00049535	0.00046717	0.00062
595842.07	4129377.94	0.00058037	0.00041719	0.00039315	0.00058
595872.66	4129377.94	0.00054625	0.000355	0.00033427	0.00055
595903.25	4129377.94	0.00051801	0.00030536	0.00028727	0.00052
595933.84	4129377.94	0.00049408	0.0002655	0.00024954	0.00049
595780.89	4129402.44	0.00064999	0.00057656	0.00054415	0.00065
595811.48	4129402.44	0.00059546	0.0004719	0.00044503	0.00060
595842.07	4129402.44	0.00055325	0.00039199	0.00036937	0.00055
595872.66	4129402.44	0.00051975	0.00033052	0.00031116	0.00052
595903.25	4129402.44	0.00049324	0.00028286	0.00026603	0.00049
595933.84	4129402.44	0.0004714	0.00024544	0.0002306	0.00047
595780.89	4129426.94	0.00062202	0.00054268	0.00051212	0.00062
595811.48	4129426.94	0.00056594	0.00043663	0.00041169	0.00057
595842.07	4129426.94	0.00052409	0.00035911	0.00033828	0.00052
595872.66	4129426.94	0.00049231	0.00030145	0.0002837	0.00049
595903.25	4129426.94	0.00046762	0.00025778	0.00024234	0.00047
595933.84	4129426.94	0.00044779	0.00022405	0.00021042	0.00045
595780.89	4129451.44	0.00058859	0.00049055	0.00046279	0.00059
595811.48	4129451.44	0.00053408	0.00039096	0.00036849	0.00053
595842.07	4129451.44	0.00049445	0.00032082	0.00030208	0.00049
595872.66	4129451.44	0.00046494	0.00026989	0.00025387	0.00046
595903.25	4129451.44	0.00044234	0.00023185	0.00021786	0.00044
595933.84	4129451.44	0.0004246	0.00020271	0.00019027	0.00042
595780.89	4129475.94	0.00055156	0.00042464	0.00040038	0.00055
595811.48	4129475.94	0.00050209	0.00033975	0.00032002	0.00050
595842.07	4129475.94	0.00046623	0.00028102	0.00026443	0.00047
595872.66	4129475.94	0.00043943	0.00023864	0.00022432	0.00044
595903.25	4129475.94	0.00041893	0.000207	0.00019437	0.00042
595933.84	4129475.94	0.00040291	0.00018266	0.00017134	0.00040
595642.77	4129286.53	0.00100612	0.00105932	0.00100077	0.00106
595677.31	4129286.53	0.00092182	0.00090426	0.00085395	0.00092
595711.85	4129286.53	0.00085133	0.00077617	0.00073267	0.00085
595746.39	4129286.53	0.0007904	0.00066845	0.00063068	0.00079
595642.77	4129336.29	0.00105189	0.00125724	0.00118851	0.00126
595677.31	4129336.29	0.0009357	0.00103335	0.00097648	0.00103
595711.85	4129336.29	0.00084226	0.00085499	0.00080758	0.00085
595746.39	4129336.29	0.00076705	0.00071212	0.00067228	0.00077
595642.77	4129386.05	0.00114705	0.0015378	0.00145448	0.00154
595677.31	4129386.05	0.0009726	0.001189	0.00112412	0.00119
595711.85	4129386.05	0.00084166	0.00093137	0.00088013	0.00093
595746.39	4129386.05	0.00074207	0.00073711	0.00069614	0.00074
595642.77	4129435.81	0.00130741	0.00194298	0.00183846	0.00194

595677.31	4129435.81	0.00102271	0.00134727	0.00127418	0.00135
595711.85	4129435.81	0.00083062	0.00095607	0.00090365	0.00096
595746.39	4129435.81	0.00069995	0.0006974	0.00065866	0.00070
595642.77	4129485.57	0.00149348	0.0023956	0.00226736	0.00240
595677.31	4129485.57	0.00097904	0.00127172	0.00120265	0.00127
595711.85	4129485.57	0.000742	0.00078042	0.00073729	0.00078
595746.39	4129485.57	0.00061454	0.00053518	0.00050504	0.00061
595788.1	4129524.74	0.00047532	0.00028205	0.00026536	0.00048
595814.56	4129524.74	0.00044577	0.00024296	0.00022839	0.00045
595841.02	4129524.74	0.00042181	0.00021323	0.00020028	0.00042
595867.48	4129524.74	0.0004022	0.00018997	0.00017829	0.00040
595893.94	4129524.74	0.00038606	0.00017134	0.00016068	0.00039
595920.4	4129524.74	0.00037251	0.00015607	0.00014625	0.00037
595946.86	4129524.74	0.00036128	0.0001434	0.00013428	0.00036
595973.32	4129524.74	0.00035194	0.00013274	0.0001242	0.00035
595999.78	4129524.74	0.00034399	0.00012362	0.00011559	0.00034
595788.1	4129556.46	0.00044839	0.00022926	0.00021537	0.00045
595814.56	4129556.46	0.00042349	0.00020268	0.00019025	0.00042
595841.02	4129556.46	0.00040219	0.00018155	0.00017029	0.00040
595867.48	4129556.46	0.00038387	0.00016438	0.00015408	0.00038
595893.94	4129556.46	0.00036827	0.00015023	0.00014073	0.00037
595920.4	4129556.46	0.00035484	0.00013833	0.00012949	0.00035
595946.86	4129556.46	0.00034367	0.00012831	0.00012004	0.00034
595973.32	4129556.46	0.0003343	0.00011973	0.00011194	0.00033
595999.78	4129556.46	0.00032626	0.00011227	0.00010489	0.00033
595788.1	4129588.18	0.00043165	0.00019683	0.00018465	0.00043
595814.56	4129588.18	0.00040921	0.00017665	0.0001656	0.00041
595841.02	4129588.18	0.00038932	0.0001602	0.00015008	0.00039
595867.48	4129588.18	0.0003715	0.00014649	0.00013716	0.00037
595893.94	4129588.18	0.00035585	0.00013497	0.0001263	0.00036
595920.4	4129588.18	0.00034234	0.00012522	0.00011711	0.00034
595946.86	4129588.18	0.00033057	0.00011681	0.00010919	0.00033
595973.32	4129588.18	0.0003206	0.00010956	0.00010235	0.00032
595999.78	4129588.18	0.00031197	0.00010319	9.6351E-05	0.00031
595788.1	4129619.9	0.00041977	0.00017509	0.00016407	0.00042
595814.56	4129619.9	0.00039932	0.00015895	0.00014884	0.00040
595841.02	4129619.9	0.00038063	0.00014546	0.00013613	0.00038
595867.48	4129619.9	0.00036345	0.000134	0.00012534	0.00036
595893.94	4129619.9	0.00034779	0.00012417	0.00011608	0.00035
595920.4	4129619.9	0.00033385	0.0001157	0.00010812	0.00033
595946.86	4129619.9	0.00032154	0.00010834	0.00010119	0.00032
595973.32	4129619.9	0.00031071	0.0001019	9.5131E-05	0.00031
595999.78	4129619.9	0.00030144	9.6267E-05	8.9829E-05	0.00030
595788.1	4129651.62	0.00040958	0.00015868	0.00014853	0.00041
595814.56	4129651.62	0.00039137	0.00014529	0.00013592	0.00039
595841.02	4129651.62	0.00037394	0.00013394	0.00012522	0.00037
595867.48	4129651.62	0.00035769	0.00012425	0.00011611	0.00036
595893.94	4129651.62	0.00034243	0.00011581	0.00010818	0.00034
595920.4	4129651.62	0.0003283	0.00010837	0.00010118	0.00033
595946.86	4129651.62	0.00031553	0.00010183	9.504E-05	0.00032
595973.32	4129651.62	0.00030409	9.6055E-05	8.9614E-05	0.00030
595999.78	4129651.62	0.00029406	9.0933E-05	8.4802E-05	0.00029
595788.1	4129683.34	0.00040018	0.00014584	0.00013639	0.00040
595814.56	4129683.34	0.00038401	0.00013457	0.00012577	0.00038
595841.02	4129683.34	0.00036818	0.00012466	0.00011644	0.00037
595867.48	4129683.34	0.00035295	0.00011611	0.0001084	0.00035
595893.94	4129683.34	0.0003384	0.0001087	0.00010144	0.00034
595920.4	4129683.34	0.00032463	0.00010216	9.5307E-05	0.00032
595946.86	4129683.34	0.00031164	9.6343E-05	8.9847E-05	0.00031
595973.32	4129683.34	0.00029987	9.1176E-05	8.5002E-05	0.00030
595999.78	4129683.34	0.00028904	8.6482E-05	8.0602E-05	0.00029
593920.79	4128960.54	0.00295277	0.00032681	0.00029469	0.00295
593955.22	4128960.54	0.0032256	0.00035036	0.0003156	0.00323
593989.65	4128960.54	0.00353313	0.0003766	0.00033889	0.00353
594024.08	4128960.54	0.00388092	0.00040594	0.00036491	0.00388
594058.51	4128960.54	0.00427434	0.00043884	0.00039406	0.00427
594092.94	4128960.54	0.00472106	0.00047583	0.00042682	0.00472
594127.37	4128960.54	0.00522855	0.00051747	0.00046367	0.00523

594161.8	4128960.54	0.00580617	0.00056431	0.00050508	0.00581
594196.23	4128960.54	0.0064627	0.00061696	0.0005516	0.00646
594230.66	4128960.54	0.0072088	0.00067606	0.00060376	0.00721
594265.09	4128960.54	0.00805483	0.00074236	0.00066222	0.00805
594299.52	4128960.54	0.00900997	0.00081651	0.00072757	0.00901
593920.79	4128979.2	0.00301325	0.00032926	0.0002967	0.00301
593955.22	4128979.2	0.0032863	0.00035265	0.00031746	0.00329
593989.65	4128979.2	0.0035928	0.00037864	0.00034051	0.00359
594024.08	4128979.2	0.00393777	0.0004076	0.00036618	0.00394
594058.51	4128979.2	0.00432507	0.00043987	0.00039477	0.00433
594092.94	4128979.2	0.00476292	0.000476	0.00042675	0.00476
594127.37	4128979.2	0.00525746	0.00051641	0.00046251	0.00526
594161.8	4128979.2	0.005816	0.00056159	0.00050244	0.00582
594196.23	4128979.2	0.00644438	0.00061191	0.00054689	0.00644
594230.66	4128979.2	0.00715096	0.0006679	0.00059632	0.00715
594265.09	4128979.2	0.007942	0.00073	0.00065109	0.00794
594299.52	4128979.2	0.00882197	0.00079853	0.0007115	0.00882
593920.79	4128997.86	0.00306543	0.00033117	0.00029823	0.00307
593955.22	4128997.86	0.003337	0.0003543	0.00031876	0.00334
593989.65	4128997.86	0.00364044	0.00037991	0.00034147	0.00364
594024.08	4128997.86	0.00397962	0.00040828	0.00036661	0.00398
594058.51	4128997.86	0.00435962	0.00043982	0.00039454	0.00436
594092.94	4128997.86	0.00478583	0.00047489	0.00042558	0.00479
594127.37	4128997.86	0.00526319	0.00051384	0.00046003	0.00526
594161.8	4128997.86	0.00579783	0.00055707	0.00049824	0.00580
594196.23	4128997.86	0.00639401	0.00060484	0.00054045	0.00639
594230.66	4128997.86	0.00705684	0.00065746	0.0005869	0.00706
594265.09	4128997.86	0.00779097	0.00071522	0.00063785	0.00779
594299.52	4128997.86	0.00859324	0.00077803	0.00069324	0.00859
593920.79	4129016.52	0.0031086	0.0003325	0.00029926	0.00311
593955.22	4129016.52	0.00337709	0.00035527	0.00031946	0.00338
593989.65	4129016.52	0.00367544	0.00038036	0.00034171	0.00368
594024.08	4129016.52	0.00400737	0.00040806	0.00036624	0.00401
594058.51	4129016.52	0.00437748	0.00043867	0.00039335	0.00438
594092.94	4129016.52	0.00478947	0.00047251	0.0004233	0.00479
594127.37	4129016.52	0.00524744	0.00050987	0.00045635	0.00525
594161.8	4129016.52	0.00575537	0.000551	0.0004927	0.00576
594196.23	4129016.52	0.00631655	0.00059605	0.00053251	0.00632
594230.66	4129016.52	0.00693315	0.00064516	0.00057588	0.00693
594265.09	4129016.52	0.00760689	0.00069843	0.00062289	0.00761
594299.52	4129016.52	0.00833091	0.00075554	0.00067327	0.00833
593920.79	4129035.18	0.0031425	0.00033322	0.00029977	0.00314
593955.22	4129035.18	0.0034064	0.00035552	0.00031955	0.00341
593989.65	4129035.18	0.00369803	0.00038	0.00034124	0.00370
594024.08	4129035.18	0.00402126	0.0004069	0.00036507	0.00402
594058.51	4129035.18	0.00437918	0.00043647	0.00039126	0.00438
594092.94	4129035.18	0.00477484	0.00046897	0.00042002	0.00477
594127.37	4129035.18	0.00521118	0.00050459	0.00045152	0.00521
594161.8	4129035.18	0.00569084	0.00054349	0.00048592	0.00569
594196.23	4129035.18	0.00621523	0.00058572	0.00052324	0.00622
594230.66	4129035.18	0.00678441	0.00063129	0.00056349	0.00678
594265.09	4129035.18	0.00739577	0.00068002	0.00060652	0.00740
594299.52	4129035.18	0.00804277	0.00073155	0.00065203	0.00804
593920.79	4129053.84	0.00316703	0.00033333	0.00029975	0.00317
593955.22	4129053.84	0.00342509	0.0003551	0.00031904	0.00343
593989.65	4129053.84	0.00370853	0.00037885	0.0003401	0.00371
594024.08	4129053.84	0.0040215	0.00040486	0.00036314	0.00402
594058.51	4129053.84	0.00436565	0.00043332	0.00038833	0.00437
594092.94	4129053.84	0.00474241	0.00046431	0.00041576	0.00474
594127.37	4129053.84	0.00515543	0.00049809	0.00044565	0.00516
594161.8	4129053.84	0.00560519	0.00053468	0.00047801	0.00561
594196.23	4129053.84	0.00609158	0.00057405	0.00051281	0.00609
594230.66	4129053.84	0.00661433	0.00061612	0.00054999	0.00661
594265.09	4129053.84	0.00716578	0.00066048	0.00058919	0.00717
594299.52	4129053.84	0.00773873	0.00070667	0.00063001	0.00774
593920.79	4129072.5	0.00318228	0.00033285	0.0002992	0.00318
593955.22	4129072.5	0.00343313	0.00035398	0.00031794	0.00343
593989.65	4129072.5	0.00370771	0.00037698	0.00033833	0.00371

594024.08	4129072.5	0.00400858	0.00040201	0.00036049	0.00401
594058.51	4129072.5	0.00433761	0.00042922	0.00038459	0.00434
594092.94	4129072.5	0.00469509	0.00045868	0.00041067	0.00470
594127.37	4129072.5	0.00508379	0.00049057	0.00043889	0.00508
594161.8	4129072.5	0.00550302	0.00052483	0.00046919	0.00550
594196.23	4129072.5	0.00595127	0.00056134	0.00050149	0.00595
594230.66	4129072.5	0.00642645	0.00059993	0.00053561	0.00643
594265.09	4129072.5	0.00691962	0.00064005	0.00057109	0.00692
594299.52	4129072.5	0.00742208	0.00068118	0.00060748	0.00742
593920.79	4129091.16	0.00318861	0.00033177	0.00029814	0.00319
593955.22	4129091.16	0.00343105	0.00035223	0.00031628	0.00343
593989.65	4129091.16	0.00369597	0.0003744	0.00033594	0.00370
594024.08	4129091.16	0.00398378	0.00039836	0.00035716	0.00398
594058.51	4129091.16	0.0042964	0.00042428	0.00038012	0.00430
594092.94	4129091.16	0.00463465	0.00045222	0.00040486	0.00463
594127.37	4129091.16	0.00499849	0.0004822	0.00043139	0.00500
594161.8	4129091.16	0.00538694	0.00051414	0.00045966	0.00539
594196.23	4129091.16	0.00579727	0.00054784	0.00048949	0.00580
594230.66	4129091.16	0.00622545	0.00058299	0.00052059	0.00623
594265.09	4129091.16	0.00666285	0.00061908	0.00055254	0.00666
594299.52	4129091.16	0.00709905	0.00065548	0.00058479	0.00710
593920.79	4129109.82	0.00318633	0.00033014	0.00029661	0.00319
593955.22	4129109.82	0.00342017	0.00034988	0.00031411	0.00342
593989.65	4129109.82	0.00367425	0.00037118	0.00033299	0.00367
594024.08	4129109.82	0.00394828	0.00039404	0.00035324	0.00395
594058.51	4129109.82	0.00424465	0.00041868	0.00037507	0.00424
594092.94	4129109.82	0.00456246	0.00044504	0.00039841	0.00456
594127.37	4129109.82	0.00490118	0.00047309	0.00042326	0.00490
594161.8	4129109.82	0.00525893	0.00050273	0.0004495	0.00526
594196.23	4129109.82	0.00563212	0.00053368	0.00047692	0.00563
594230.66	4129109.82	0.00601498	0.00056557	0.00050517	0.00601
594265.09	4129109.82	0.00639944	0.00059784	0.00053377	0.00640
594299.52	4129109.82	0.00677416	0.00062985	0.00056218	0.00677
593920.79	4129128.48	0.003176	0.000328	0.00029463	0.00318
593955.22	4129128.48	0.00340078	0.00034698	0.00031146	0.00340
593989.65	4129128.48	0.00364347	0.00036737	0.00032954	0.00364
594024.08	4129128.48	0.00390359	0.00038914	0.00034883	0.00390
594058.51	4129128.48	0.00418298	0.00041245	0.00036948	0.00418
594092.94	4129128.48	0.00448015	0.00043723	0.00039143	0.00448
594127.37	4129128.48	0.00479383	0.0004634	0.00041463	0.00479
594161.8	4129128.48	0.00512135	0.00049078	0.00043889	0.00512
594196.23	4129128.48	0.00545844	0.00051908	0.00046397	0.00546
594230.66	4129128.48	0.00579866	0.00054786	0.0004895	0.00580
594265.09	4129128.48	0.00613356	0.00057659	0.000515	0.00613
594299.52	4129128.48	0.00645195	0.00060456	0.00053987	0.00645
594246.14	4128630.32	0.00365173	0.00051982	0.00047428	0.00365
594272.5	4128630.32	0.00401991	0.00056016	0.00051064	0.00402
594298.86	4128630.32	0.00445102	0.00060688	0.00055272	0.00445
594325.22	4128630.32	0.00496078	0.00066162	0.000602	0.00496
594351.58	4128630.32	0.00556973	0.0007264	0.00066029	0.00557
594377.94	4128630.32	0.00630608	0.00080399	0.00073007	0.00631
594404.3	4128630.32	0.007209	0.00089817	0.00081471	0.00721
594430.66	4128630.32	0.00833393	0.00101422	0.00091895	0.00833
594246.14	4128664.43	0.00418376	0.00054822	0.00049843	0.00418
594272.5	4128664.43	0.00463807	0.00059404	0.00053953	0.00464
594298.86	4128664.43	0.00517439	0.00064742	0.00058738	0.00517
594325.22	4128664.43	0.00581348	0.00071024	0.00064364	0.00581
594351.58	4128664.43	0.0065832	0.00078495	0.0007105	0.00658
594377.94	4128664.43	0.00752151	0.00087487	0.00079092	0.00752
594404.3	4128664.43	0.0086804	0.00098451	0.00088889	0.00868
594430.66	4128664.43	0.01015043	0.00112173	0.0010114	0.01015
594246.14	4128698.54	0.00476749	0.0005804	0.00052589	0.00477
594272.5	4128698.54	0.0053118	0.00063176	0.00057177	0.00531
594298.86	4128698.54	0.00595641	0.0006917	0.00062528	0.00596
594325.22	4128698.54	0.00673121	0.0007627	0.00068859	0.00673
594351.58	4128698.54	0.00767768	0.00084817	0.00076473	0.00768
594377.94	4128698.54	0.00882315	0.00095032	0.00085566	0.00882
594404.3	4128698.54	0.01023952	0.00107496	0.0009665	0.01024

594430.66	4128698.54	0.01203229	0.00123056	0.00110475	0.01203
594246.14	4128732.65	0.00536437	0.00061316	0.00055383	0.00536
594272.5	4128732.65	0.0060019	0.00067014	0.00060455	0.00600
594298.86	4128732.65	0.00675414	0.00073641	0.00066349	0.00675
594325.22	4128732.65	0.00765744	0.00081482	0.00073316	0.00766
594351.58	4128732.65	0.00875228	0.00090851	0.00081632	0.00875
594377.94	4128732.65	0.01009298	0.00102165	0.00091664	0.01009
594404.3	4128732.65	0.01173246	0.00115831	0.00103772	0.01173
594430.66	4128732.65	0.01378432	0.00132711	0.00118713	0.01378
594246.14	4128766.76	0.00595982	0.00064551	0.00058139	0.00596
594272.5	4128766.76	0.00667773	0.00070698	0.00063595	0.00668
594298.86	4128766.76	0.0075264	0.0007786	0.00069946	0.00753
594325.22	4128766.76	0.00853712	0.00086272	0.00077398	0.00854
594351.58	4128766.76	0.00975705	0.00096246	0.00086222	0.00976
594377.94	4128766.76	0.01122739	0.00108169	0.00096763	0.01123
594404.3	4128766.76	0.01302186	0.00122532	0.00109451	0.01302
594430.66	4128766.76	0.01523592	0.00140067	0.00124927	0.01524
594246.14	4128800.87	0.00650699	0.00067406	0.00060559	0.00651
594272.5	4128800.87	0.0072854	0.00073853	0.00066269	0.00729
594298.86	4128800.87	0.0082024	0.00081307	0.0007286	0.00820
594325.22	4128800.87	0.00928556	0.00090041	0.00080579	0.00929
594351.58	4128800.87	0.0105735	0.00100307	0.00089644	0.01057
594377.94	4128800.87	0.01211674	0.00112434	0.00100342	0.01212
594404.3	4128800.87	0.01397914	0.00126902	0.00113092	0.01398
594430.66	4128800.87	0.01624666	0.00144327	0.00128436	0.01625
594246.14	4128834.98	0.00698115	0.00069705	0.0006249	0.00698
594272.5	4128834.98	0.00779395	0.0007627	0.00068293	0.00779
594298.86	4128834.98	0.00874031	0.00083814	0.00074955	0.00874
594325.22	4128834.98	0.00984752	0.00092544	0.00082658	0.00985
594351.58	4128834.98	0.01114898	0.00102676	0.00091588	0.01115
594377.94	4128834.98	0.01268619	0.00114507	0.00102007	0.01269
594404.3	4128834.98	0.01451078	0.00128397	0.00114229	0.01451
594430.66	4128834.98	0.01668962	0.0014482	0.00128668	0.01669
594246.14	4128869.09	0.00733987	0.00071238	0.00063755	0.00734
594272.5	4128869.09	0.00815538	0.00077706	0.00069465	0.00816
594298.86	4128869.09	0.00909338	0.0008506	0.00075951	0.00909
594325.22	4128869.09	0.01017506	0.00093453	0.00083346	0.01018
594351.58	4128869.09	0.01142535	0.0010304	0.00091787	0.01143
594377.94	4128869.09	0.01287412	0.0011406	0.00101483	0.01287
594404.3	4128869.09	0.014555	0.00126722	0.00112614	0.01455
594430.66	4128869.09	0.01650838	0.00141302	0.00125423	0.01651
594246.14	4128903.2	0.00755715	0.00071813	0.00064186	0.00756
594272.5	4128903.2	0.00834319	0.00077971	0.00069617	0.00834
594298.86	4128903.2	0.00923288	0.00084881	0.00075707	0.00923
594325.22	4128903.2	0.01024068	0.00092638	0.00082538	0.01024
594351.58	4128903.2	0.01138179	0.00101341	0.00090196	0.01138
594377.94	4128903.2	0.01267203	0.00111106	0.00098784	0.01267
594404.3	4128903.2	0.01412723	0.0012205	0.00108405	0.01413
594430.66	4128903.2	0.01576066	0.00134259	0.00119131	0.01576
594246.14	4128937.31	0.00761983	0.00071362	0.00063724	0.00762
594272.5	4128937.31	0.00834676	0.00077038	0.00068729	0.00835
594298.86	4128937.31	0.00915496	0.00083298	0.00074244	0.00915
594325.22	4128937.31	0.01005319	0.00090192	0.00080314	0.01005
594351.58	4128937.31	0.01104397	0.00097763	0.00086978	0.01104
594377.94	4128937.31	0.01213292	0.00106037	0.00094257	0.01213
594404.3	4128937.31	0.01332089	0.00115036	0.00102172	0.01332
594430.66	4128937.31	0.01460209	0.00124719	0.00110687	0.01460
594242.73	4128487.55	0.00205026	0.00045065	0.00041711	0.00205
594265.81	4128487.55	0.00216085	0.00047124	0.00043608	0.00216
594288.89	4128487.55	0.00227919	0.00049358	0.00045667	0.00228
594311.97	4128487.55	0.00240976	0.00051909	0.0004802	0.00241
594335.05	4128487.55	0.00255322	0.00054817	0.00050706	0.00255
594358.13	4128487.55	0.0027115	0.00058164	0.000538	0.00271
594381.21	4128487.55	0.00288144	0.00061917	0.00057274	0.00288
594404.29	4128487.55	0.00306788	0.00066253	0.00061294	0.00307
594427.37	4128487.55	0.00327321	0.0007132	0.00065997	0.00327
594450.45	4128487.55	0.00350006	0.00077312	0.00071568	0.00350
594473.53	4128487.55	0.00376192	0.00084751	0.00078494	0.00376

594242.73	4128510.84	0.00223868	0.00045445	0.00041972	0.00224
594265.81	4128510.84	0.00237131	0.00047669	0.00044013	0.00237
594288.89	4128510.84	0.0025163	0.00050124	0.00046268	0.00252
594311.97	4128510.84	0.00267672	0.00052906	0.00048825	0.00268
594335.05	4128510.84	0.00285527	0.0005609	0.00051754	0.00286
594358.13	4128510.84	0.00305279	0.00059697	0.00055075	0.00305
594381.21	4128510.84	0.00327042	0.00063804	0.0005886	0.00327
594404.29	4128510.84	0.00351326	0.00068554	0.00063243	0.00351
594427.37	4128510.84	0.00378586	0.00074105	0.0006837	0.00379
594450.45	4128510.84	0.00409754	0.00080743	0.00074508	0.00410
594473.53	4128510.84	0.00445772	0.00088828	0.00081996	0.00446
594242.73	4128534.13	0.00244968	0.00046108	0.00042489	0.00245
594265.81	4128534.13	0.0026092	0.00048529	0.00044704	0.00261
594288.89	4128534.13	0.00278569	0.00051232	0.00047178	0.00279
594311.97	4128534.13	0.00298182	0.00054273	0.00049961	0.00298
594335.05	4128534.13	0.00320066	0.00057715	0.00053114	0.00320
594358.13	4128534.13	0.00344606	0.00061641	0.00056712	0.00345
594381.21	4128534.13	0.00372274	0.00066151	0.00060849	0.00372
594404.29	4128534.13	0.00403705	0.00071386	0.00065653	0.00404
594427.37	4128534.13	0.00440068	0.00077586	0.00071348	0.00440
594450.45	4128534.13	0.0048266	0.00085048	0.00078209	0.00483
594473.53	4128534.13	0.00531589	0.00093903	0.00086359	0.00532
594242.73	4128557.42	0.00268549	0.00047031	0.0004324	0.00269
594265.81	4128557.42	0.0028747	0.00049656	0.00045633	0.00287
594288.89	4128557.42	0.00308625	0.00052597	0.00048313	0.00309
594311.97	4128557.42	0.0033239	0.00055915	0.00051339	0.00332
594335.05	4128557.42	0.00359223	0.00059685	0.00054777	0.00359
594358.13	4128557.42	0.00389725	0.00064004	0.00058717	0.00390
594381.21	4128557.42	0.00424643	0.00068993	0.00063269	0.00425
594404.29	4128557.42	0.00464956	0.00074811	0.00068581	0.00465
594427.37	4128557.42	0.0051243	0.00081739	0.00074908	0.00512
594450.45	4128557.42	0.00569178	0.00090123	0.00082569	0.00569
594473.53	4128557.42	0.00636066	0.00100142	0.00091729	0.00636
594242.73	4128580.71	0.00294824	0.00048199	0.0004421	0.00295
594265.81	4128580.71	0.00317162	0.00051049	0.00046798	0.00317
594288.89	4128580.71	0.00342364	0.00054256	0.0004971	0.00342
594311.97	4128580.71	0.00370959	0.00057889	0.00053008	0.00371
594335.05	4128580.71	0.00403623	0.00062039	0.00056776	0.00404
594358.13	4128580.71	0.00441188	0.00066817	0.00061114	0.00441
594381.21	4128580.71	0.00484783	0.00072369	0.00066156	0.00485
594404.29	4128580.71	0.00536306	0.0007894	0.00072123	0.00536
594427.37	4128580.71	0.00597486	0.00086756	0.0007922	0.00597
594450.45	4128580.71	0.0067115	0.00096176	0.00087775	0.00671
594473.53	4128580.71	0.00762236	0.00107826	0.00098356	0.00762
594276.7	4128388.72	0.00152085	0.0004969	0.00046385	0.00152
594305.04	4128388.72	0.00158342	0.00051911	0.00048462	0.00158
594333.38	4128388.72	0.00164812	0.00054397	0.00050789	0.00165
594361.72	4128388.72	0.00171568	0.00057277	0.00053488	0.00172
594390.06	4128388.72	0.0017868	0.00060718	0.00056719	0.00179
594418.4	4128388.72	0.00186041	0.00064883	0.00060635	0.00186
594276.7	4128417	0.00168613	0.0004848	0.00045149	0.00169
594305.04	4128417	0.00176724	0.0005085	0.00047356	0.00177
594333.38	4128417	0.00185314	0.00053546	0.00049871	0.00185
594361.72	4128417	0.00194523	0.00056708	0.00052825	0.00195
594390.06	4128417	0.00204283	0.00060444	0.00056322	0.00204
594418.4	4128417	0.00214604	0.00064953	0.00060549	0.00215
594276.7	4128445.28	0.0018749	0.000479	0.00044498	0.00187
594305.04	4128445.28	0.00198121	0.00050496	0.00046907	0.00198
594333.38	4128445.28	0.0020959	0.00053474	0.00049673	0.00210
594361.72	4128445.28	0.00222091	0.00056965	0.00052923	0.00222
594390.06	4128445.28	0.00235493	0.00061065	0.00056746	0.00235
594418.4	4128445.28	0.00249984	0.00065998	0.00061354	0.00250
594276.7	4128473.56	0.00209424	0.00047922	0.00044401	0.00209
594305.04	4128473.56	0.00223026	0.00050743	0.00047009	0.00223
594333.38	4128473.56	0.00238203	0.00054056	0.00050074	0.00238
594361.72	4128473.56	0.0025508	0.00057967	0.00053699	0.00255
594390.06	4128473.56	0.00273434	0.00062512	0.00057918	0.00273
594418.4	4128473.56	0.00293761	0.00067967	0.00062991	0.00294



594019.56	4128351.99	0.00097381	0.00036074	0.00033745	0.00097
594057.87	4128351.99	0.00102482	0.00038461	0.00035985	0.00102
594096.18	4128351.99	0.00107704	0.00040934	0.00038305	0.00108
594134.49	4128351.99	0.00113089	0.00043477	0.00040692	0.00113
594172.8	4128351.99	0.00118492	0.00045888	0.00042953	0.00118
594211.11	4128351.99	0.00123985	0.00048204	0.00045124	0.00124
594019.56	4128372.85	0.0010133	0.00034778	0.00032493	0.00101
594057.87	4128372.85	0.00106946	0.00036992	0.00034566	0.00107
594096.18	4128372.85	0.00112809	0.00039293	0.0003672	0.00113
594134.49	4128372.85	0.0011898	0.00041701	0.00038974	0.00119
594172.8	4128372.85	0.00125295	0.00044047	0.00041169	0.00125
594211.11	4128372.85	0.00131784	0.00046345	0.00043316	0.00132
594019.56	4128393.71	0.00105533	0.00033705	0.00031451	0.00106
594057.87	4128393.71	0.00111784	0.00035788	0.00033396	0.00112
594096.18	4128393.71	0.00118404	0.00037979	0.00035442	0.00118
594134.49	4128393.71	0.00125403	0.00040289	0.00037598	0.00125
594172.8	4128393.71	0.0013269	0.00042587	0.00039743	0.00133
594211.11	4128393.71	0.00140439	0.00044934	0.0004193	0.00140
594019.56	4128414.57	0.00110111	0.00032821	0.00030587	0.00110
594057.87	4128414.57	0.00117013	0.0003481	0.00032439	0.00117
594096.18	4128414.57	0.00124437	0.00036925	0.00034409	0.00124
594134.49	4128414.57	0.00132389	0.00039184	0.00036512	0.00132
594172.8	4128414.57	0.00140814	0.00041485	0.00038652	0.00141
594211.11	4128414.57	0.00149965	0.00043879	0.00040878	0.00150
594019.56	4128435.43	0.00115123	0.00032107	0.00029883	0.00115
594057.87	4128435.43	0.00122709	0.0003403	0.00031669	0.00123
594096.18	4128435.43	0.00130952	0.00036098	0.00033588	0.00131
594134.49	4128435.43	0.00140037	0.00038356	0.00035685	0.00140
594172.8	4128435.43	0.00149738	0.00040694	0.00037854	0.00150
594211.11	4128435.43	0.00160438	0.00043163	0.00040142	0.00160
594019.56	4128456.29	0.00120548	0.0003154	0.00029315	0.00121
594057.87	4128456.29	0.00128963	0.0003344	0.00031074	0.00129
594096.18	4128456.29	0.00138146	0.00035495	0.00032978	0.00138
594134.49	4128456.29	0.001483	0.00037749	0.00035064	0.00148
594172.8	4128456.29	0.00159502	0.00040145	0.0003728	0.00160
594211.11	4128456.29	0.00171892	0.00042731	0.00039671	0.00172
594019.56	4128477.15	0.0012658	0.00031125	0.00028889	0.00127
594057.87	4128477.15	0.00135872	0.00033007	0.00030626	0.00136
594096.18	4128477.15	0.00146076	0.00035073	0.00032535	0.00146
594134.49	4128477.15	0.0015745	0.00037357	0.00034643	0.00157
594172.8	4128477.15	0.00170293	0.0003985	0.00036942	0.00170
594211.11	4128477.15	0.00184506	0.00042558	0.00039439	0.00185
594019.56	4128498.01	0.00133196	0.00030829	0.00028573	0.00133
594057.87	4128498.01	0.00143422	0.00032718	0.00030312	0.00143
594096.18	4128498.01	0.00154758	0.00034816	0.00032244	0.00155
594134.49	4128498.01	0.00167511	0.00037159	0.00034402	0.00168
594172.8	4128498.01	0.00182119	0.00039773	0.00036807	0.00182
594211.11	4128498.01	0.00198327	0.00042604	0.00039409	0.00198
593932.1	4128545.28	0.00126989	0.00026709	0.00024692	0.00127
593958.16	4128545.28	0.00133388	0.00027804	0.00025698	0.00133
593984.22	4128545.28	0.00140265	0.00028951	0.00026751	0.00140
594010.28	4128545.28	0.00147729	0.00030162	0.00027862	0.00148
594036.34	4128545.28	0.00155844	0.00031453	0.00029044	0.00156
594062.4	4128545.28	0.00164698	0.00032842	0.00030316	0.00165
594088.46	4128545.28	0.00174461	0.00034361	0.00031708	0.00174
594114.52	4128545.28	0.0018519	0.00036024	0.00033229	0.00185
594140.58	4128545.28	0.00196914	0.00037823	0.00034876	0.00197
594166.64	4128545.28	0.00209845	0.00039774	0.0003666	0.00210
594192.7	4128545.28	0.00223948	0.00041864	0.0003857	0.00224
593932.1	4128616.57	0.00150557	0.00026958	0.00024803	0.00151
593958.16	4128616.57	0.00159243	0.00028143	0.00025882	0.00159
593984.22	4128616.57	0.00168644	0.00029401	0.00027027	0.00169
594010.28	4128616.57	0.00178892	0.00030746	0.00028251	0.00179
594036.34	4128616.57	0.00190186	0.00032204	0.00029575	0.00190
594062.4	4128616.57	0.00202673	0.00033797	0.00031022	0.00203
594088.46	4128616.57	0.0021654	0.00035552	0.00032614	0.00217
594114.52	4128616.57	0.00232002	0.0003749	0.00034373	0.00232
594140.58	4128616.57	0.00249307	0.00039632	0.00036315	0.00249

594166.64	4128616.57	0.00268338	0.00041955	0.0003842	0.00268
594192.7	4128616.57	0.00290293	0.00044572	0.00040789	0.00290
593932.1	4128687.86	0.00177947	0.00027763	0.00025423	0.00178
593958.16	4128687.86	0.00189436	0.00029092	0.00026623	0.00189
593984.22	4128687.86	0.00202008	0.0003052	0.00027912	0.00202
594010.28	4128687.86	0.00216045	0.00032083	0.00029322	0.00216
594036.34	4128687.86	0.00231593	0.00033792	0.00030863	0.00232
594062.4	4128687.86	0.00248871	0.00035669	0.00032554	0.00249
594088.46	4128687.86	0.0026827	0.00037755	0.00034432	0.00268
594114.52	4128687.86	0.00290142	0.0004008	0.00036523	0.00290
594140.58	4128687.86	0.00314607	0.00042651	0.00038835	0.00315
594166.64	4128687.86	0.00342809	0.00045562	0.00041451	0.00343
594192.7	4128687.86	0.00375143	0.00048838	0.00044389	0.00375
593920.36	4128705.8	0.00180335	0.00027457	0.00025118	0.00180
593960.05	4128705.8	0.00198649	0.00029511	0.00026972	0.00199
593999.74	4128705.8	0.00220113	0.00031849	0.00029079	0.00220
594039.43	4128705.8	0.00245038	0.00034506	0.0003147	0.00245
594079.12	4128705.8	0.00274687	0.00037612	0.00034262	0.00275
594118.81	4128705.8	0.00310322	0.00041282	0.00037558	0.00310
594158.5	4128705.8	0.00353631	0.00045648	0.00041474	0.00354
594198.19	4128705.8	0.00406967	0.00050883	0.00046163	0.00407
593920.36	4128732.44	0.00191474	0.00027887	0.00025468	0.00191
593960.05	4128732.44	0.00211586	0.0003004	0.00027406	0.00212
593999.74	4128732.44	0.00235221	0.00032503	0.00029619	0.00235
594039.43	4128732.44	0.00262787	0.00035316	0.00032144	0.00263
594079.12	4128732.44	0.00295692	0.00038617	0.00035104	0.00296
594118.81	4128732.44	0.00335675	0.00042556	0.00038633	0.00336
594158.5	4128732.44	0.00383707	0.00047203	0.00042791	0.00384
594198.19	4128732.44	0.004434	0.00052824	0.00047813	0.00443
593920.36	4128759.08	0.00203352	0.00028389	0.00025882	0.00203
593960.05	4128759.08	0.00225362	0.00030649	0.00027911	0.00225
593999.74	4128759.08	0.00250992	0.0003322	0.00030216	0.00251
594039.43	4128759.08	0.00281477	0.00036212	0.00032896	0.00281
594079.12	4128759.08	0.00317684	0.00039712	0.00036027	0.00318
594118.81	4128759.08	0.00361549	0.00043879	0.00039752	0.00362
594158.5	4128759.08	0.00414708	0.00048832	0.00044174	0.00415
594198.19	4128759.08	0.00480562	0.00054816	0.00049506	0.00481
593920.36	4128785.72	0.00215588	0.00028925	0.00026326	0.00216
593960.05	4128785.72	0.00239461	0.0003129	0.00028445	0.00239
593999.74	4128785.72	0.00267491	0.00034005	0.00030875	0.00267
594039.43	4128785.72	0.00300641	0.00037137	0.00033672	0.00301
594079.12	4128785.72	0.00340118	0.00040828	0.00036969	0.00340
594118.81	4128785.72	0.00387674	0.00045202	0.0004087	0.00388
594158.5	4128785.72	0.0044563	0.00050426	0.00045523	0.00446
594198.19	4128785.72	0.00516761	0.00056727	0.00051129	0.00517
593920.36	4128812.36	0.00228514	0.00029529	0.0002683	0.00229
593960.05	4128812.36	0.0025427	0.00032002	0.00029042	0.00254
593999.74	4128812.36	0.00284287	0.00034806	0.00031546	0.00284
594039.43	4128812.36	0.00319807	0.00038091	0.00034477	0.00320
594079.12	4128812.36	0.00362145	0.00041943	0.0003791	0.00362
594118.81	4128812.36	0.00413124	0.00046503	0.0004197	0.00413
594158.5	4128812.36	0.0047507	0.00051942	0.00046806	0.00475
594198.19	4128812.36	0.00551098	0.00058467	0.00052599	0.00551
593920.36	4128839	0.00241688	0.00030162	0.00027361	0.00242
593960.05	4128839	0.00268995	0.00032709	0.00029635	0.00269
593999.74	4128839	0.00300903	0.00035633	0.00032243	0.00301
594039.43	4128839	0.00338612	0.00039031	0.00035269	0.00339
594079.12	4128839	0.00383504	0.00043015	0.00038814	0.00384
594118.81	4128839	0.00437351	0.0004772	0.00042997	0.00437
594158.5	4128839	0.0050248	0.00053311	0.0004796	0.00502
594198.19	4128839	0.00581953	0.00059995	0.00053886	0.00582
593920.36	4128865.64	0.00254628	0.00030778	0.00027878	0.00255
593960.05	4128865.64	0.00283366	0.00033409	0.00030224	0.00283
593999.74	4128865.64	0.00316991	0.00036424	0.00032908	0.00317
594039.43	4128865.64	0.00356588	0.00039918	0.00036016	0.00357
594079.12	4128865.64	0.00403523	0.00044	0.00039643	0.00404
594118.81	4128865.64	0.0045952	0.00048799	0.00043904	0.00460
594158.5	4128865.64	0.00526812	0.0005447	0.00048932	0.00527

594198.19	4128865.64	0.00608262	0.00061204	0.00054894	0.00608
593920.36	4128892.28	0.00267114	0.00031381	0.00028384	0.00267
593960.05	4128892.28	0.00297135	0.00034069	0.00030777	0.00297
593999.74	4128892.28	0.00332124	0.00037147	0.00033515	0.00332
594039.43	4128892.28	0.0037313	0.00040701	0.00036672	0.00373
594079.12	4128892.28	0.0042146	0.00044836	0.00040342	0.00421
594118.81	4128892.28	0.00478738	0.00049668	0.00044626	0.00479
594158.5	4128892.28	0.00547	0.00055337	0.00049648	0.00547
594198.19	4128892.28	0.00628828	0.00062014	0.00055555	0.00629
593920.36	4128918.92	0.00278863	0.00031934	0.00028846	0.00279
593960.05	4128918.92	0.00309793	0.00034662	0.00031273	0.00310
593999.74	4128918.92	0.00345718	0.00037774	0.00034038	0.00346
594039.43	4128918.92	0.00387571	0.00041351	0.00037212	0.00388
594079.12	4128918.92	0.00436551	0.00045485	0.00040878	0.00437
594118.81	4128918.92	0.00494129	0.00050283	0.00045129	0.00494
594158.5	4128918.92	0.00562091	0.00055868	0.00050072	0.00562
594198.19	4128918.92	0.00642608	0.00062379	0.00055827	0.00643
593920.36	4128945.56	0.00289549	0.00032419	0.0002925	0.00290
593960.05	4128945.56	0.00321067	0.00035157	0.00031683	0.00321
593999.74	4128945.56	0.00357454	0.0003827	0.00034447	0.00357
594039.43	4128945.56	0.00399555	0.00041828	0.00037602	0.00400
594079.12	4128945.56	0.00448436	0.00045913	0.00041222	0.00448
594118.81	4128945.56	0.00505356	0.00050613	0.00045383	0.00505
594158.5	4128945.56	0.00571798	0.00056032	0.00050176	0.00572
594198.19	4128945.56	0.00649495	0.00062276	0.00055693	0.00649
595128.75	4128512.05	0.02865518	0.00248761	0.00221023	0.02866
595157.74	4128512.05	0.02521317	0.00222297	0.0019772	0.02521
595128.75	4128529.32	0.02923826	0.00255147	0.00226778	0.02924
595157.74	4128529.32	0.02549858	0.00226417	0.00201481	0.02550
595128.75	4128546.59	0.02943682	0.00258904	0.00230241	0.02944
595157.74	4128546.59	0.02548373	0.00228576	0.0020354	0.02548
595362.46	4128329.27	0.01017404	0.00096824	0.00086549	0.01017
595397.07	4128329.27	0.0093897	0.00090236	0.00080709	0.00939
595431.68	4128329.27	0.00865067	0.00084054	0.0007523	0.00865
595466.29	4128329.27	0.00795929	0.00078291	0.00070125	0.00796
595362.46	4128386.58	0.01095248	0.00103914	0.00092869	0.01095
595397.07	4128386.58	0.00992367	0.00095562	0.00085483	0.00992
595431.68	4128386.58	0.00898624	0.00087936	0.00078739	0.00899
595466.29	4128386.58	0.0081362	0.00081009	0.00072612	0.00814
595362.46	4128443.89	0.01119418	0.00107994	0.00096615	0.01119
595397.07	4128443.89	0.00995422	0.00098036	0.00087816	0.00995
595431.68	4128443.89	0.00886149	0.00089189	0.00079996	0.00886
595466.29	4128443.89	0.00790044	0.00081344	0.00073055	0.00790
595362.46	4128501.2	0.01071803	0.00107773	0.00096659	0.01072
595397.07	4128501.2	0.00937228	0.00096845	0.00086995	0.00937
595431.68	4128501.2	0.00822353	0.00087387	0.00078623	0.00822
595466.29	4128501.2	0.00724192	0.00079193	0.00071364	0.00724
594785.72	4129528.1	0.0015705	0.00029775	0.00027444	0.00157
594896.78	4129528.1	0.0012577	0.00030412	0.00028216	0.00126
595007.84	4129528.1	0.00092621	0.00032161	0.00030054	0.00093
595118.9	4129528.1	0.00084565	0.00037534	0.00035199	0.00085
595229.96	4129528.1	0.00085711	0.00047028	0.0004421	0.00086
594785.72	4129568.18	0.00144547	0.00027824	0.00025658	0.00145
594896.78	4129568.18	0.00117286	0.00028375	0.00026326	0.00117
595007.84	4129568.18	0.00086154	0.00029658	0.0002771	0.00086
595118.9	4129568.18	0.00077477	0.0003396	0.00031842	0.00077
595229.96	4129568.18	0.00078451	0.00041348	0.00038854	0.00078
594785.72	4129608.26	0.00133558	0.0002604	0.00024022	0.00134
594896.78	4129608.26	0.00109766	0.00026504	0.00024589	0.00110
595007.84	4129608.26	0.00080491	0.00027375	0.00025572	0.00080
595118.9	4129608.26	0.00071193	0.00030715	0.00028794	0.00071
595229.96	4129608.26	0.00071798	0.00036306	0.000341	0.00072
594785.72	4129648.34	0.00123835	0.00024396	0.00022512	0.00124
594896.78	4129648.34	0.00102994	0.00024764	0.00022973	0.00103
595007.84	4129648.34	0.00075488	0.00025267	0.00023597	0.00075
595118.9	4129648.34	0.0006564	0.0002774	0.00025998	0.00066
595229.96	4129648.34	0.00065803	0.00031785	0.00029839	0.00066
594785.72	4129688.42	0.00115165	0.00022871	0.0002111	0.00115

594896.78	4129688.42	0.00096895	0.00023136	0.00021459	0.00097
595007.84	4129688.42	0.00071046	0.00023304	0.00021756	0.00071
595118.9	4129688.42	0.00060698	0.00025003	0.00023425	0.00061
595229.96	4129688.42	0.00060426	0.00027767	0.00026051	0.00060
594785.72	4129728.5	0.0010741	0.00021445	0.00019797	0.00107
594896.78	4129728.5	0.00091341	0.00021602	0.00020032	0.00091
595007.84	4129728.5	0.00067075	0.00021467	0.00020032	0.00067
595118.9	4129728.5	0.00056327	0.000225	0.00021071	0.00056
595229.96	4129728.5	0.0005557	0.00024241	0.00022728	0.00056
594785.72	4129768.58	0.00100464	0.00020109	0.00018565	0.00100
594896.78	4129768.58	0.00086272	0.00020155	0.00018684	0.00086
595007.84	4129768.58	0.00063503	0.00019757	0.00018427	0.00064
595118.9	4129768.58	0.00052435	0.00020237	0.00018942	0.00052
595229.96	4129768.58	0.00051187	0.00021203	0.00019866	0.00051
594785.72	4129808.66	0.00094227	0.00018853	0.00017405	0.00094
594896.78	4129808.66	0.00081636	0.00018794	0.00017415	0.00082
595007.84	4129808.66	0.00060277	0.00018177	0.00016943	0.00060
595118.9	4129808.66	0.00049013	0.00018218	0.00017042	0.00049
595229.96	4129808.66	0.00047292	0.00018618	0.00017431	0.00047
593938.13	4129525.18	0.00212084	0.00022995	0.00020711	0.00212
594005.94	4129525.18	0.00217992	0.00023818	0.00021462	0.00218
594073.75	4129525.18	0.00220979	0.00024497	0.00022092	0.00221
594141.56	4129525.18	0.00220968	0.00025041	0.00022608	0.00221
594209.37	4129525.18	0.00218382	0.00025476	0.00023035	0.00218
594277.18	4129525.18	0.00214256	0.00025858	0.0002342	0.00214
594344.99	4129525.18	0.00209497	0.00026223	0.00023791	0.00209
594412.8	4129525.18	0.00203751	0.00026546	0.00024129	0.00204
594480.61	4129525.18	0.00195201	0.00026747	0.00024365	0.00195
594548.42	4129525.18	0.00182992	0.00026851	0.00024529	0.00183
594616.23	4129525.18	0.00170458	0.0002716	0.00024889	0.00170
593938.13	4129583.05	0.00192948	0.00021362	0.00019263	0.00193
594005.94	4129583.05	0.00195856	0.00021952	0.00019808	0.00196
594073.75	4129583.05	0.00196313	0.00022427	0.00020256	0.00196
594141.56	4129583.05	0.00194515	0.0002281	0.0002063	0.00195
594209.37	4129583.05	0.00191227	0.00023146	0.00020967	0.00191
594277.18	4129583.05	0.00187353	0.00023478	0.00021302	0.00187
594344.99	4129583.05	0.00183294	0.00023812	0.00021641	0.00183
594412.8	4129583.05	0.00178162	0.00024093	0.00021935	0.00178
594480.61	4129583.05	0.0017022	0.00024247	0.00022124	0.00170
594548.42	4129583.05	0.00159288	0.00024329	0.00022259	0.00159
594616.23	4129583.05	0.00148799	0.00024634	0.00022605	0.00149
593938.13	4129640.92	0.00175023	0.00019829	0.00017902	0.00175
594005.94	4129640.92	0.00175783	0.00020246	0.00018294	0.00176
594073.75	4129640.92	0.00174628	0.00020578	0.00018616	0.00175
594141.56	4129640.92	0.00172024	0.00020867	0.00018904	0.00172
594209.37	4129640.92	0.00168727	0.00021152	0.00019192	0.00169
594277.18	4129640.92	0.00165398	0.00021458	0.000195	0.00165
594344.99	4129640.92	0.0016198	0.00021765	0.0001981	0.00162
594412.8	4129640.92	0.00157216	0.00021997	0.00020056	0.00157
594480.61	4129640.92	0.00149716	0.00022101	0.00020195	0.00150
594548.42	4129640.92	0.00139897	0.0002216	0.00020303	0.00140
594616.23	4129640.92	0.00131112	0.00022447	0.00020623	0.00131
593938.13	4129698.79	0.00158549	0.00018408	0.0001664	0.00159
594005.94	4129698.79	0.00157836	0.00018698	0.00016919	0.00158
594073.75	4129698.79	0.00155802	0.0001894	0.0001716	0.00156
594141.56	4129698.79	0.00152979	0.00019173	0.00017396	0.00153
594209.37	4129698.79	0.00150033	0.00019433	0.00017659	0.00150
594277.18	4129698.79	0.0014729	0.0001972	0.00017946	0.00147
594344.99	4129698.79	0.00144309	0.00019992	0.0001822	0.00144
594412.8	4129698.79	0.00139749	0.0002017	0.00018414	0.00140
594480.61	4129698.79	0.00132657	0.00020227	0.00018506	0.00133
594548.42	4129698.79	0.00123841	0.00020264	0.00018587	0.00124
594616.23	4129698.79	0.00116481	0.00020527	0.00018876	0.00116
593938.13	4129756.66	0.0014352	0.00017095	0.00015473	0.00144
594005.94	4129756.66	0.00142029	0.00017307	0.00015682	0.00142
594073.75	4129756.66	0.0013959	0.00017491	0.0001587	0.00140
594141.56	4129756.66	0.00136914	0.00017696	0.00016079	0.00137
594209.37	4129756.66	0.00134495	0.00017943	0.00016327	0.00134

594277.18	4129756.66	0.00132249	0.00018207	0.0001659	0.00132
594344.99	4129756.66	0.00129496	0.00018435	0.0001682	0.00129
594412.8	4129756.66	0.0012505	0.00018558	0.00016961	0.00125
594480.61	4129756.66	0.00118292	0.0001857	0.00017008	0.00118
594548.42	4129756.66	0.00110389	0.00018581	0.0001706	0.00110
594616.23	4129756.66	0.00104236	0.00018812	0.00017313	0.00104
593938.13	4129814.53	0.00130069	0.00015896	0.00014406	0.00130
594005.94	4129814.53	0.00128139	0.00016055	0.00014567	0.00128
594073.75	4129814.53	0.00125735	0.00016211	0.00014728	0.00126
594141.56	4129814.53	0.00123389	0.00016399	0.00014919	0.00123
594209.37	4129814.53	0.00121395	0.00016628	0.00015147	0.00121
594277.18	4129814.53	0.00119509	0.00016864	0.00015381	0.00120
594344.99	4129814.53	0.00116882	0.00017044	0.00015566	0.00117
594412.8	4129814.53	0.00112481	0.00017113	0.00015655	0.00112
594480.61	4129814.53	0.00106082	0.00017083	0.0001566	0.00106
594548.42	4129814.53	0.00099008	0.00017066	0.00015683	0.00099
594616.23	4129814.53	0.00093877	0.00017261	0.00015895	0.00094
593667	4128083.42	0.00039001	0.00011005	0.00010245	0.00039
593722.02	4128083.42	0.00040279	0.0001252	0.00011677	0.00040
593777.04	4128083.42	0.00041728	0.00014616	0.0001366	0.00042
593832.06	4128083.42	0.00043552	0.00017694	0.00016574	0.00044
593667	4128157.74	0.00045072	0.00012913	0.00012025	0.00045
593722.02	4128157.74	0.00047339	0.00014952	0.00013949	0.00047
593777.04	4128157.74	0.00049866	0.00017779	0.00016621	0.00050
593832.06	4128157.74	0.00052807	0.00021866	0.00020487	0.00053
593667	4128232.06	0.00050779	0.00014853	0.00013837	0.00051
593722.02	4128232.06	0.00054117	0.00017241	0.00016087	0.00054
593777.04	4128232.06	0.00057807	0.00020357	0.00019028	0.00058
593832.06	4128232.06	0.00061914	0.00024478	0.00022919	0.00062
593667	4128306.38	0.00056173	0.00016255	0.0001514	0.00056
593722.02	4128306.38	0.00060324	0.0001861	0.00017355	0.00060
593777.04	4128306.38	0.00064935	0.00021468	0.00020045	0.00065
593832.06	4128306.38	0.00070001	0.00024898	0.00023275	0.00070
593667	4128380.7	0.00062268	0.00017022	0.00015836	0.00062
593722.02	4128380.7	0.00067038	0.00019125	0.00017808	0.00067
593777.04	4128380.7	0.00072363	0.00021527	0.00020061	0.00072
593832.06	4128380.7	0.00078282	0.00024198	0.00022566	0.00078
593667	4128455.02	0.00070229	0.00017455	0.00016205	0.00070
593722.02	4128455.02	0.00075715	0.0001928	0.00017909	0.00076
593777.04	4128455.02	0.000819	0.00021274	0.0001977	0.00082
593832.06	4128455.02	0.00088839	0.00023404	0.00021756	0.00089
593667	4128529.34	0.0008023	0.0001775	0.00016431	0.00080
593722.02	4128529.34	0.00086884	0.00019374	0.00017939	0.00087
593777.04	4128529.34	0.00094449	0.00021118	0.00019555	0.00094
593832.06	4128529.34	0.00103087	0.00022981	0.00021278	0.00103
593667	4128603.66	0.00091577	0.00018035	0.00016642	0.00092
593722.02	4128603.66	0.00099893	0.00019563	0.00018049	0.00100
593777.04	4128603.66	0.00109471	0.00021221	0.00019573	0.00109
593832.06	4128603.66	0.00120561	0.00023029	0.00021232	0.00121
593667	4128677.98	0.00103797	0.00018355	0.00016881	0.00104
593722.02	4128677.98	0.0011424	0.00019888	0.00018281	0.00114
593777.04	4128677.98	0.00126247	0.00021566	0.00019812	0.00126
593832.06	4128677.98	0.00140452	0.00023456	0.00021531	0.00140
593667	4128752.3	0.00117497	0.00018806	0.00017237	0.00117
593722.02	4128752.3	0.00130252	0.00020391	0.00018674	0.00130
593777.04	4128752.3	0.00145304	0.00022182	0.00020295	0.00145
593832.06	4128752.3	0.0016324	0.00024235	0.00022149	0.00163
593667	4128826.62	0.0013344	0.00019443	0.00017757	0.00133
593722.02	4128826.62	0.00148943	0.00021139	0.00019285	0.00149
593777.04	4128826.62	0.00167335	0.00023085	0.00021035	0.00167
593832.06	4128826.62	0.00189411	0.00025344	0.00023064	0.00189
593667	4128900.94	0.0015133	0.00020249	0.00018427	0.00151
593722.02	4128900.94	0.00169597	0.00022074	0.00020063	0.00170
593777.04	4128900.94	0.00191319	0.00024186	0.00021954	0.00191
593832.06	4128900.94	0.00217343	0.00026651	0.00024156	0.00217
593667	4128975.26	0.00169487	0.00021103	0.00019142	0.00169
593722.02	4128975.26	0.00189901	0.00023025	0.00020859	0.00190
593777.04	4128975.26	0.00213928	0.00025242	0.00022836	0.00214

593832.06	4128975.26	0.00242378	0.0002781	0.00025124	0.00242
593667	4129049.58	0.00185107	0.00021817	0.00019737	0.00185
593722.02	4129049.58	0.00206405	0.00023756	0.00021465	0.00206
593777.04	4129049.58	0.00231078	0.00025963	0.0002343	0.00231
593832.06	4129049.58	0.00259769	0.00028485	0.00025672	0.00260
594352.86	4127540.64	0.00012028	8.0965E-05	7.6259E-05	0.00012
594416.15	4127540.64	0.00013159	9.3397E-05	8.8007E-05	0.00013
594479.44	4127540.64	0.00015077	0.00010773	0.00010151	0.00015
594542.73	4127540.64	0.00017888	0.00012287	0.00011575	0.00018
594606.02	4127540.64	0.00021745	0.00013931	0.00013115	0.00022
594669.31	4127540.64	0.00026566	0.00015571	0.00014648	0.00027
594732.6	4127540.64	0.00032376	0.00017243	0.00016205	0.00032
594795.89	4127540.64	0.00039071	0.00018841	0.00017687	0.00039
594859.18	4127540.64	0.00046627	0.00020331	0.00019062	0.00047
594922.47	4127540.64	0.00055035	0.00021634	0.00020255	0.00055
594985.76	4127540.64	0.00064175	0.00022697	0.00021216	0.00064
595049.05	4127540.64	0.00074103	0.00023532	0.00021956	0.00074
595112.34	4127540.64	0.0008457	0.00024158	0.00022495	0.00085
595175.63	4127540.64	0.00095278	0.00024569	0.00022829	0.00095
595238.92	4127540.64	0.0010577	0.00024805	0.00022996	0.00106
595302.21	4127540.64	0.00115889	0.00024903	0.00023036	0.00116
595365.5	4127540.64	0.00125121	0.00024863	0.00022949	0.00125
595428.79	4127540.64	0.00133523	0.00024726	0.00022774	0.00134
595492.08	4127540.64	0.00140499	0.00024469	0.00022493	0.00140
595555.37	4127540.64	0.00146095	0.00024119	0.0002213	0.00146
595618.66	4127540.64	0.0015023	0.00023683	0.00021695	0.00150
594352.86	4127567.33	0.00012979	9.237E-05	8.7041E-05	0.00013
594416.15	4127567.33	0.00014077	0.00010528	9.924E-05	0.00014
594479.44	4127567.33	0.00016088	0.00012115	0.00011421	0.00016
594542.73	4127567.33	0.00019015	0.00013738	0.00012947	0.00019
594606.02	4127567.33	0.00023075	0.00015487	0.00014587	0.00023
594669.31	4127567.33	0.00028229	0.00017266	0.00016248	0.00028
594732.6	4127567.33	0.00034469	0.00019067	0.00017926	0.00034
594795.89	4127567.33	0.00041683	0.0002077	0.00019505	0.00042
594859.18	4127567.33	0.00049845	0.00022329	0.00020943	0.00050
594922.47	4127567.33	0.00058937	0.00023653	0.00022151	0.00059
594985.76	4127567.33	0.00068961	0.000247	0.00023093	0.00069
595049.05	4127567.33	0.00079545	0.00025448	0.00023747	0.00080
595112.34	4127567.33	0.00090881	0.00025984	0.00024195	0.00091
595175.63	4127567.33	0.00102304	0.00026286	0.00024421	0.00102
595238.92	4127567.33	0.00113624	0.00026422	0.00024491	0.00114
595302.21	4127567.33	0.00124165	0.00026395	0.00024409	0.00124
595365.5	4127567.33	0.00134015	0.00026261	0.00024229	0.00134
595428.79	4127567.33	0.00142446	0.00025994	0.00023931	0.00142
595492.08	4127567.33	0.00149466	0.00025627	0.00023545	0.00149
595555.37	4127567.33	0.00154928	0.00025171	0.00023082	0.00155
595618.66	4127567.33	0.00158769	0.00024633	0.00022552	0.00159
594352.86	4127594.02	0.00014128	0.00010589	9.9824E-05	0.00014
594416.15	4127594.02	0.00015269	0.00012069	0.00011382	0.00015
594479.44	4127594.02	0.00017263	0.00013707	0.00012927	0.00017
594542.73	4127594.02	0.00020314	0.00015454	0.0001457	0.00020
594606.02	4127594.02	0.00024561	0.00017293	0.00016294	0.00025
594669.31	4127594.02	0.00030119	0.00019252	0.00018125	0.00030
594732.6	4127594.02	0.00036839	0.00021191	0.00019931	0.00037
594795.89	4127594.02	0.00044639	0.00023	0.00021607	0.00045
594859.18	4127594.02	0.00053519	0.00024624	0.00023103	0.00054
594922.47	4127594.02	0.00063256	0.00025914	0.00024276	0.00063
594985.76	4127594.02	0.00074111	0.00026895	0.0002515	0.00074
595049.05	4127594.02	0.00085682	0.00027564	0.00025724	0.00086
595112.34	4127594.02	0.00097848	0.00027955	0.00026031	0.00098
595175.63	4127594.02	0.00110106	0.00028123	0.00026125	0.00110
595238.92	4127594.02	0.0012209	0.00028119	0.00026058	0.00122
595302.21	4127594.02	0.00133285	0.00027966	0.00025852	0.00133
595365.5	4127594.02	0.0014346	0.00027696	0.00025541	0.00143
595428.79	4127594.02	0.00152081	0.00027302	0.00025122	0.00152
595492.08	4127594.02	0.00159084	0.00026813	0.0002462	0.00159
595555.37	4127594.02	0.00164423	0.00026248	0.00024055	0.00164
595618.66	4127594.02	0.00167898	0.00025603	0.00023424	0.00168

594352.86	4127620.71	0.00015175	0.00011908	0.00011229	0.00015
594416.15	4127620.71	0.00016571	0.00013763	0.00012984	0.00017
594479.44	4127620.71	0.00018811	0.00015699	0.0001481	0.00019
594542.73	4127620.71	0.0002191	0.00017576	0.00016577	0.00022
594606.02	4127620.71	0.0002623	0.000194	0.00018286	0.00026
594669.31	4127620.71	0.00032215	0.00021556	0.00020302	0.00032
594732.6	4127620.71	0.0003943	0.00023614	0.00022219	0.00039
594795.89	4127620.71	0.00047903	0.00025553	0.00024015	0.00048
594859.18	4127620.71	0.00057487	0.00027195	0.00025524	0.00057
594922.47	4127620.71	0.00068188	0.00028462	0.0002667	0.00068
594985.76	4127620.71	0.00079817	0.00029321	0.00027424	0.00080
595049.05	4127620.71	0.00092415	0.00029852	0.00027861	0.00092
595112.34	4127620.71	0.00105553	0.00030077	0.00028005	0.00106
595175.63	4127620.71	0.00118715	0.00030079	0.00027937	0.00119
595238.92	4127620.71	0.00131386	0.00029907	0.00027706	0.00131
595302.21	4127620.71	0.00143252	0.00029604	0.00027355	0.00143
595365.5	4127620.71	0.00153721	0.00029179	0.00026895	0.00154
595428.79	4127620.71	0.0016248	0.00028644	0.00026341	0.00162
595492.08	4127620.71	0.001695	0.00028031	0.00025721	0.00169
595555.37	4127620.71	0.00174469	0.00027335	0.00025034	0.00174
595618.66	4127620.71	0.00177477	0.00026585	0.00024306	0.00177
594352.86	4127647.4	0.00016395	0.00013508	0.00012742	0.00016
594416.15	4127647.4	0.00017899	0.00015688	0.00014805	0.00018
594479.44	4127647.4	0.00020314	0.00017895	0.00016888	0.00020
594542.73	4127647.4	0.00023736	0.00020045	0.00018913	0.00024
594606.02	4127647.4	0.00028116	0.00021877	0.00020629	0.00028
594669.31	4127647.4	0.00034542	0.0002422	0.0002282	0.00035
594732.6	4127647.4	0.00042361	0.00026447	0.00024894	0.00042
594795.89	4127647.4	0.00051507	0.00028468	0.00026764	0.00052
594859.18	4127647.4	0.00061906	0.00030119	0.00028277	0.00062
594922.47	4127647.4	0.00073525	0.00031295	0.00029332	0.00074
594985.76	4127647.4	0.00086286	0.00032019	0.00029952	0.00086
595049.05	4127647.4	0.00099961	0.00032336	0.0003018	0.00100
595112.34	4127647.4	0.00114002	0.00032346	0.00030115	0.00114
595175.63	4127647.4	0.00128222	0.00032155	0.00029858	0.00128
595238.92	4127647.4	0.00141788	0.00031797	0.00029446	0.00142
595302.21	4127647.4	0.00154154	0.00031308	0.00028916	0.00154
595365.5	4127647.4	0.0016495	0.00030711	0.00028292	0.00165
595428.79	4127647.4	0.00173834	0.00030025	0.00027592	0.00174
595492.08	4127647.4	0.00180588	0.00029261	0.00026831	0.00181
595555.37	4127647.4	0.00185161	0.00028446	0.00026033	0.00185
595618.66	4127647.4	0.00187524	0.00027562	0.0002518	0.00188
594352.86	4127674.09	0.0001779	0.00015382	0.00014515	0.00018
594416.15	4127674.09	0.00019421	0.00017955	0.0001695	0.00019
594479.44	4127674.09	0.00021995	0.00020477	0.00019332	0.00022
594542.73	4127674.09	0.00025672	0.00022853	0.00021569	0.00026
594606.02	4127674.09	0.00030237	0.00024781	0.00023376	0.00030
594669.31	4127674.09	0.00037173	0.00027353	0.00025782	0.00037
594732.6	4127674.09	0.00045624	0.00029737	0.00028001	0.00046
594795.89	4127674.09	0.00055621	0.00031858	0.00029962	0.00056
594859.18	4127674.09	0.00066934	0.00033459	0.00031422	0.00067
594922.47	4127674.09	0.00079527	0.00034468	0.00032314	0.00080
594985.76	4127674.09	0.00093417	0.00034965	0.00032713	0.00093
595049.05	4127674.09	0.00108277	0.00035023	0.00032688	0.00108
595112.34	4127674.09	0.0012356	0.00034783	0.00032379	0.00124
595175.63	4127674.09	0.00138633	0.00034336	0.00031874	0.00139
595238.92	4127674.09	0.00153142	0.00033763	0.00031253	0.00153
595302.21	4127674.09	0.00166075	0.00033064	0.0003052	0.00166
595365.5	4127674.09	0.00177143	0.0003228	0.00029716	0.00177
595428.79	4127674.09	0.00185995	0.00031424	0.00028857	0.00186
595492.08	4127674.09	0.00192472	0.00030522	0.00027965	0.00192
595555.37	4127674.09	0.00196435	0.00029552	0.00027023	0.00196
595618.66	4127674.09	0.00198112	0.00028546	0.00026059	0.00198
594352.86	4127700.78	0.00019151	0.00017421	0.00016444	0.00019
594416.15	4127700.78	0.00021209	0.0002071	0.00019557	0.00021
594479.44	4127700.78	0.00023961	0.000236	0.00022287	0.00024
594542.73	4127700.78	0.0002784	0.00026189	0.00024725	0.00028
594606.02	4127700.78	0.00032698	0.00028276	0.00026682	0.00033

594669.31	4127700.78	0.00040165	0.00031063	0.0002929	0.00040
594732.6	4127700.78	0.00049348	0.00033614	0.00031664	0.00049
594795.89	4127700.78	0.00060211	0.00035775	0.00033658	0.00060
594859.18	4127700.78	0.00072515	0.00037248	0.00034992	0.00073
594922.47	4127700.78	0.00086236	0.00038013	0.00035645	0.00086
594985.76	4127700.78	0.00101373	0.00038192	0.00035735	0.00101
595049.05	4127700.78	0.00117447	0.00037916	0.00035387	0.00117
595112.34	4127700.78	0.00134088	0.00037367	0.00034778	0.00134
595175.63	4127700.78	0.00150372	0.00036638	0.00033999	0.00150
595238.92	4127700.78	0.00165534	0.00035787	0.00033109	0.00166
595302.21	4127700.78	0.00179116	0.00034864	0.0003216	0.00179
595365.5	4127700.78	0.00190381	0.00033876	0.00031162	0.00190
595428.79	4127700.78	0.0019909	0.00032839	0.00030131	0.00199
595492.08	4127700.78	0.00205077	0.00031776	0.00029089	0.00205
595555.37	4127700.78	0.00208386	0.00030666	0.00028017	0.00208
595618.66	4127700.78	0.00209256	0.00029539	0.00026942	0.00209
595497.7	4127730.05	0.00220208	0.00033052	0.00030221	0.00220
595572.99	4127730.05	0.00222507	0.0003155	0.00028782	0.00223
595648.28	4127730.05	0.00221289	0.0003005	0.00027364	0.00221
595723.57	4127730.05	0.00217224	0.00028552	0.00025963	0.00217
595798.86	4127730.05	0.00211074	0.00027087	0.00024604	0.00211
595497.7	4127796.4	0.00257645	0.00036247	0.00033056	0.00258
595572.99	4127796.4	0.00256618	0.00034336	0.00031246	0.00257
595648.28	4127796.4	0.0025178	0.00032479	0.00029508	0.00252
595723.57	4127796.4	0.00244146	0.00030679	0.00027839	0.00244
595798.86	4127796.4	0.00234654	0.00028948	0.00026246	0.00235
595497.7	4127862.75	0.00301278	0.00039629	0.00036036	0.00301
595572.99	4127862.75	0.00295486	0.00037306	0.00033861	0.00295
595648.28	4127862.75	0.00285871	0.00035078	0.00031795	0.00286
595723.57	4127862.75	0.00273763	0.00032954	0.00029843	0.00274
595798.86	4127862.75	0.00260181	0.00030932	0.00027994	0.00260
595497.7	4127929.1	0.0035184	0.00043362	0.00039313	0.00352
595572.99	4127929.1	0.00339549	0.00040588	0.00036743	0.00340
595648.28	4127929.1	0.00323782	0.00037962	0.00034333	0.00324
595723.57	4127929.1	0.00305996	0.00035444	0.00032036	0.00306
595798.86	4127929.1	0.00287307	0.00033071	0.00029882	0.00287
595497.7	4127995.45	0.00410146	0.00047669	0.00043093	0.00410
595572.99	4127995.45	0.00389042	0.00044309	0.00040014	0.00389
595648.28	4127995.45	0.00365203	0.00041127	0.00037119	0.00365
595723.57	4127995.45	0.00340167	0.00038122	0.00034398	0.00340
595798.86	4127995.45	0.00314966	0.00035307	0.00031858	0.00315
595497.7	4128061.8	0.00476376	0.00052586	0.00047411	0.00476
595572.99	4128061.8	0.00443383	0.00048443	0.00043652	0.00443
595648.28	4128061.8	0.0040889	0.00044546	0.00040133	0.00409
595723.57	4128061.8	0.0037443	0.00040903	0.00036857	0.00374
595798.86	4128061.8	0.00340987	0.00037526	0.00033827	0.00341
595497.7	4128128.15	0.00549301	0.0005805	0.00052213	0.00549
595572.99	4128128.15	0.0050014	0.00052846	0.00047531	0.00500
595648.28	4128128.15	0.00451669	0.00048012	0.00043198	0.00452
595723.57	4128128.15	0.00405307	0.00043562	0.00039218	0.00405
595798.86	4128128.15	0.00361892	0.0003949	0.00035582	0.00362
595497.7	4128194.5	0.00624349	0.00063748	0.00057225	0.00624
595572.99	4128194.5	0.00553847	0.00057145	0.00051329	0.00554
595648.28	4128194.5	0.00487854	0.00051129	0.00045966	0.00488
595723.57	4128194.5	0.00427567	0.00045725	0.00041154	0.00428
595798.86	4128194.5	0.00373385	0.00040895	0.00036855	0.00373
595497.7	4128260.85	0.00691821	0.00069124	0.00061972	0.00692
595572.99	4128260.85	0.00595205	0.00060747	0.00054529	0.00595
595648.28	4128260.85	0.0050967	0.00053389	0.00047997	0.00510
595723.57	4128260.85	0.00435295	0.00046984	0.00042309	0.00435
595798.86	4128260.85	0.00371477	0.00041451	0.00037393	0.00371
595497.7	4128327.2	0.00736554	0.00073328	0.00065727	0.00737
595572.99	4128327.2	0.00612718	0.0006301	0.00056586	0.00613
595648.28	4128327.2	0.00509356	0.00054341	0.00048902	0.00509
595723.57	4128327.2	0.00424108	0.000471	0.00042478	0.00424
595798.86	4128327.2	0.00354332	0.00041067	0.0003712	0.00354
595497.7	4128393.55	0.00741828	0.0007535	0.0006762	0.00742
595572.99	4128393.55	0.00596908	0.00063376	0.00057017	0.00597



595648.28	4128393.55	0.00482926	0.00053783	0.00048513	0.00483
595723.57	4128393.55	0.00393617	0.00046095	0.00041686	0.00394
595798.86	4128393.55	0.00323633	0.00039899	0.00036173	0.00324
595497.7	4128459.9	0.00697851	0.00074539	0.00067083	0.00698
595572.99	4128459.9	0.00546338	0.00061761	0.00055753	0.00546
595648.28	4128459.9	0.00433442	0.00051951	0.00047036	0.00433
595723.57	4128459.9	0.00348713	0.00044325	0.00040243	0.00349
595798.86	4128459.9	0.00284539	0.00038321	0.00034883	0.00285
595497.7	4128526.25	0.0061044	0.00071223	0.00064399	0.00610
595572.99	4128526.25	0.00470923	0.00058813	0.00053354	0.00471
595648.28	4128526.25	0.00370982	0.00049509	0.00045049	0.00371
595723.57	4128526.25	0.00298043	0.00042381	0.00038667	0.00298
595798.86	4128526.25	0.0024381	0.00036793	0.00033649	0.00244
595497.7	4128592.6	0.00501571	0.00066886	0.00060859	0.00502
595572.99	4128592.6	0.00388161	0.00055684	0.00050823	0.00388
595648.28	4128592.6	0.00308209	0.00047314	0.00043298	0.00308
595723.57	4128592.6	0.00250234	0.00040842	0.0003746	0.00250
595798.86	4128592.6	0.00207139	0.00035712	0.00032817	0.00207
595497.7	4128658.95	0.00394358	0.00063063	0.00057799	0.00394
595572.99	4128658.95	0.00313542	0.00053451	0.00049098	0.00314
595648.28	4128658.95	0.00254053	0.00045956	0.00042296	0.00254
595723.57	4128658.95	0.00210246	0.00040039	0.0003691	0.00210
595798.86	4128658.95	0.00177119	0.00035247	0.00032535	0.00177
595497.7	4128725.3	0.00306994	0.00061197	0.0005649	0.00307
595572.99	4128725.3	0.00252553	0.00052614	0.00048628	0.00253
595648.28	4128725.3	0.00210387	0.00045607	0.00042198	0.00210
595723.57	4128725.3	0.00178183	0.0004	0.00037043	0.00178
595798.86	4128725.3	0.00153044	0.00035363	0.00032773	0.00153
595312.78	4128113.49	0.00625191	0.00070009	0.00063167	0.00625
595353.37	4128113.49	0.00609381	0.00067005	0.00060398	0.00609
595393.96	4128113.49	0.0059034	0.00064074	0.00057716	0.00590
595434.55	4128113.49	0.0056893	0.00061169	0.00055071	0.00569
595312.78	4128167.08	0.00735767	0.00077768	0.00069948	0.00736
595353.37	4128167.08	0.00707905	0.00074015	0.00066532	0.00708
595393.96	4128167.08	0.00677348	0.00070343	0.00063207	0.00677
595434.55	4128167.08	0.00645108	0.00066756	0.00059972	0.00645
595312.78	4128220.67	0.00861307	0.00086555	0.00077626	0.00861
595353.37	4128220.67	0.00816621	0.00081777	0.00073326	0.00817
595393.96	4128220.67	0.00770346	0.00077092	0.00069122	0.00770
595434.55	4128220.67	0.00723815	0.00072595	0.00065098	0.00724
595312.78	4128274.26	0.0099766	0.00096414	0.00086265	0.00998
595353.37	4128274.26	0.00929802	0.0009009	0.00080619	0.00930
595393.96	4128274.26	0.0086296	0.00084062	0.00075249	0.00863
595434.55	4128274.26	0.00798211	0.00078342	0.00070161	0.00798
593786.29	4129268.12	0.00238071	0.00025274	0.00022739	0.00238
593838.34	4129268.12	0.00257556	0.00027002	0.00024276	0.00258
593786.29	4129289.04	0.00235378	0.00024973	0.00022466	0.00235
593838.34	4129289.04	0.0025387	0.00026619	0.00023932	0.00254
593786.29	4129309.96	0.00232404	0.00024658	0.00022183	0.00232
593838.34	4129309.96	0.00249881	0.00026222	0.00023576	0.00250
595225.34	4128413.877	0.01694982	0.00152851	0.00136157	0.01695
595225.34	4128445.983	0.01791941	0.00161345	0.00143709	0.01792
595225.34	4128478.09	0.01855521	0.00167958	0.00149651	0.01856
595225.34	4128510.197	0.01874536	0.00171972	0.00153363	0.01875
595230.915	4128413.389	0.01665604	0.0015048	0.00134062	0.01666
595236.491	4128445.008	0.01723002	0.00155881	0.00138886	0.01723
595242.066	4128476.627	0.01738336	0.00158729	0.0014151	0.01738
595247.641	4128508.246	0.0170437	0.0015852	0.00141491	0.01704
595236.321	4128411.94	0.01634642	0.0014798	0.00131851	0.01635
595247.302	4128442.111	0.01655053	0.00150405	0.00134046	0.01655
595258.283	4128472.281	0.01631024	0.00150064	0.0013385	0.01631
595269.265	4128502.452	0.01560175	0.00146716	0.00131048	0.01560
595241.393	4128409.575	0.01603224	0.00145418	0.00129586	0.01603
595257.447	4128437.38	0.01590874	0.0014515	0.00129397	0.01591
595273.5	4128465.186	0.01536824	0.00142237	0.00126918	0.01537
595289.553	4128492.991	0.01442965	0.00136723	0.0012218	0.01443
595245.978	4128406.365	0.0157244	0.00142896	0.00127354	0.01572
595266.616	4128430.96	0.01532157	0.00140264	0.00125069	0.01532

595287.253	4128455.556	0.0145661	0.00135382	0.00120834	0.01457
595307.891	4128480.151	0.01350373	0.00128477	0.00114841	0.01350
595249.935	4128402.408	0.01543127	0.00140482	0.00125217	0.01543
595274.53	4128423.046	0.01479736	0.00135835	0.00121141	0.01480
595299.126	4128443.683	0.01389679	0.00129498	0.00115601	0.01390
595323.721	4128464.321	0.01278511	0.00121782	0.00108864	0.01279
595253.145	4128397.823	0.01515914	0.00138235	0.00123228	0.01516
595280.95	4128413.877	0.01433812	0.00131903	0.00117651	0.01434
595308.756	4128429.93	0.0133447	0.00124518	0.00111165	0.01334
595336.561	4128445.983	0.01223025	0.0011637	0.00104019	0.01223
595255.51	4128392.751	0.01491272	0.00136198	0.00121425	0.01491
595285.681	4128403.732	0.01394153	0.00128473	0.00114604	0.01394
595315.851	4128414.713	0.01289106	0.00120346	0.00107444	0.01289
595346.022	4128425.695	0.0117983	0.00111996	0.00100094	0.01180
595256.959	4128387.345	0.01469476	0.00134392	0.00119825	0.01469
595288.578	4128392.921	0.01360429	0.00125553	0.0011201	0.01360
595320.197	4128398.496	0.01251766	0.00116883	0.00104354	0.01252
595351.816	4128404.071	0.01145478	0.00108461	0.0009692	0.01145
595257.447	4128381.77	0.01450839	0.00132865	0.00118474	0.01451
595289.553	4128381.77	0.01332167	0.00123124	0.00109853	0.01332
595321.66	4128381.77	0.01220826	0.00114022	0.00101801	0.01221
595353.767	4128381.77	0.01117195	0.00105591	0.00094344	0.01117
595256.959	4128376.195	0.01435447	0.00131615	0.00117369	0.01435
595288.578	4128370.619	0.01308996	0.00121169	0.0010812	0.01309
595320.197	4128365.044	0.01195288	0.00111745	0.00099774	0.01195
595351.816	4128359.469	0.010931	0.00103263	0.00092262	0.01093
595255.51	4128370.789	0.01423525	0.00130677	0.00116541	0.01424
595285.681	4128359.808	0.01290644	0.0011967	0.00106794	0.01291
595315.851	4128348.827	0.01174381	0.00109987	0.00098216	0.01174
595346.022	4128337.845	0.01072197	0.00101425	0.00090627	0.01072
595253.145	4128365.717	0.01415146	0.00130052	0.00115992	0.01415
595280.95	4128349.663	0.01277057	0.00118638	0.00105885	0.01277
595308.756	4128333.61	0.01157933	0.00108738	0.00097117	0.01158
595336.561	4128317.557	0.01054368	0.00100074	0.00089439	0.01054
595249.935	4128361.132	0.01410443	0.0012975	0.0011573	0.01410
595274.53	4128340.494	0.01268471	0.00118102	0.00105423	0.01268
595299.126	4128319.857	0.01146099	0.00108014	0.00096492	0.01146
595323.721	4128299.219	0.0104002	0.00099243	0.00088726	0.01040
595245.978	4128357.175	0.0140954	0.00129778	0.00115762	0.01410
595266.616	4128332.58	0.01265075	0.00118063	0.00105404	0.01265
595287.253	4128307.985	0.01139508	0.00107871	0.00096391	0.01140
595307.891	4128283.389	0.01030046	0.00098982	0.00088531	0.01030
595241.393	4128353.965	0.0141256	0.00130142	0.00116092	0.01413
595257.447	4128326.16	0.01267274	0.00118541	0.00105846	0.01267
595273.5	4128298.354	0.01138812	0.00108309	0.00096811	0.01139
595289.553	4128270.549	0.01025599	0.00099348	0.00088902	0.01026
595236.321	4128351.6	0.01419608	0.00130844	0.00116721	0.01420
595247.302	4128321.429	0.01275584	0.00119561	0.0010677	0.01276
595258.283	4128291.259	0.01145001	0.00109405	0.00097819	0.01145
595269.265	4128261.088	0.01028006	0.00100424	0.00089912	0.01028
595230.915	4128350.151	0.01430779	0.00131884	0.00117648	0.01431
595236.491	4128318.532	0.01290532	0.00121125	0.00108177	0.01291
595242.066	4128286.913	0.01159193	0.00111226	0.00099473	0.01159
595247.641	4128255.294	0.010389	0.00102334	0.00091668	0.01039
595225.34	4128349.663	0.01446085	0.00133251	0.00118866	0.01446
595225.34	4128317.557	0.01312711	0.0012327	0.00110096	0.01313
595225.34	4128285.45	0.01182689	0.00113839	0.0010183	0.01183
595225.34	4128253.343	0.01059977	0.00105146	0.00094226	0.01060
595219.765	4128350.151	0.01465466	0.00134936	0.00120363	0.01465
595214.189	4128318.532	0.01342854	0.00126062	0.00112587	0.01343
595208.614	4128286.913	0.01216851	0.00117299	0.00104935	0.01217
595203.039	4128255.294	0.01093243	0.00108919	0.00097633	0.01093
595214.359	4128351.6	0.01488701	0.0013689	0.00122095	0.01489
595203.378	4128321.429	0.01381352	0.00129479	0.00115628	0.01381
595192.397	4128291.259	0.012632	0.00121679	0.00108848	0.01263
595181.415	4128261.088	0.01141359	0.00113876	0.00102085	0.01141
595209.287	4128353.965	0.01515556	0.00139124	0.00124074	0.01516
595193.233	4128326.16	0.01428486	0.00133512	0.00119207	0.01428

595177.18	4128298.354	0.01323218	0.0012702	0.00113602	0.01323
595161.127	4128270.549	0.01207316	0.00120142	0.00107685	0.01207
595204.702	4128357.175	0.01545463	0.00141569	0.00126237	0.01545
595184.064	4128332.58	0.01484196	0.0013813	0.00123297	0.01484
595163.427	4128307.985	0.01398373	0.00133414	0.00119275	0.01398
595142.789	4128283.389	0.01294446	0.00127868	0.00114559	0.01294
595200.745	4128361.132	0.01577685	0.00144162	0.00128529	0.01578
595176.15	4128340.494	0.0154791	0.00143267	0.00127837	0.01548
595151.555	4128319.857	0.01489472	0.00140847	0.00125849	0.01489
595126.959	4128299.219	0.01406199	0.00137203	0.00122832	0.01406
595197.535	4128365.717	0.01611253	0.00146825	0.0013088	0.01611
595169.73	4128349.663	0.01618304	0.00148806	0.00132724	0.01618
595141.924	4128333.61	0.01596301	0.00149254	0.00133265	0.01596
595114.119	4128317.557	0.01545344	0.00148245	0.00132579	0.01545
595195.17	4128370.789	0.01645022	0.0014949	0.00133231	0.01645
595164.999	4128359.808	0.01693116	0.00154576	0.00137806	0.01693
595134.829	4128348.827	0.01716903	0.00158488	0.00141395	0.01717
595104.658	4128337.845	0.01712512	0.00160964	0.0014377	0.01713
595193.721	4128376.195	0.016775	0.00152005	0.00135447	0.01677
595162.102	4128370.619	0.01769016	0.00160331	0.00142868	0.01769
595130.483	4128365.044	0.01846455	0.00168154	0.00149886	0.01846
595098.864	4128359.469	0.01903977	0.00175076	0.00156154	0.01904
595193.233	4128381.77	0.01707237	0.00154285	0.00137454	0.01707
595161.127	4128381.77	0.01841676	0.00165768	0.00147645	0.01842
595129.02	4128381.77	0.01977116	0.00177743	0.00158298	0.01977
595096.913	4128381.77	0.02109059	0.00189876	0.0016912	0.02109
595193.721	4128387.345	0.01732725	0.00156218	0.00139155	0.01733
595162.102	4128392.921	0.01906054	0.00170539	0.00151834	0.01906
595130.483	4128398.496	0.02097843	0.00186512	0.00165985	0.02098
595098.864	4128404.071	0.02308484	0.00204116	0.00181584	0.02308
595195.17	4128392.751	0.01752571	0.00157705	0.00140461	0.01753
595164.999	4128403.732	0.01957004	0.00174287	0.00155122	0.01957
595134.829	4128414.713	0.02195737	0.0019357	0.00172167	0.02196
595104.658	4128425.695	0.02475715	0.00216021	0.00192001	0.02476
595197.535	4128397.823	0.01765665	0.00158667	0.00141305	0.01766
595169.73	4128413.877	0.01990144	0.00176719	0.00157256	0.01990
595141.924	4128429.93	0.02258845	0.00198153	0.00176184	0.02259
595114.119	4128445.983	0.0258356	0.00223816	0.00198831	0.02584
595200.745	4128402.408	0.01771288	0.00159052	0.00141164	0.01771
595176.15	4128423.046	0.02002463	0.00177612	0.00158039	0.02002
595151.555	4128443.683	0.02278955	0.00199688	0.00177535	0.02279
595126.959	4128464.321	0.02612496	0.00226123	0.00200868	0.02612
595204.702	4128406.365	0.01769192	0.00158839	0.00141449	0.01769
595184.064	4128430.96	0.0199312	0.00176892	0.00157404	0.01993
595163.427	4128455.556	0.02253736	0.00197934	0.00176004	0.02254
595142.789	4128480.151	0.02557765	0.00222539	0.00197756	0.02558
595209.287	4128409.575	0.01759629	0.00158048	0.00140749	0.01760
595193.233	4128437.38	0.01963466	0.00174619	0.00155404	0.01963
595177.18	4128465.186	0.02187721	0.00193108	0.00171771	0.02188
595161.127	4128492.991	0.0243124	0.00213657	0.00189992	0.02431
595214.359	4128411.94	0.0174331	0.00156728	0.00139582	0.01743
595203.378	4128442.111	0.01916967	0.00171059	0.00152269	0.01917
595192.397	4128472.281	0.02091046	0.00185922	0.00165461	0.02091
595181.415	4128502.452	0.02257239	0.00200967	0.00178866	0.02257
595219.765	4128413.389	0.01721364	0.00154972	0.00138031	0.01721
595214.189	4128445.008	0.01858137	0.00166515	0.00148267	0.01858
595208.614	4128476.627	0.01976335	0.00177264	0.00157847	0.01976
595203.039	4128508.246	0.02063825	0.00186488	0.00166143	0.02064
594645.59	4128502.87	0.01099517	0.00388508	0.00363149	0.01100
594644.51	4128523.39	0.01591713	0.00415344	0.00386019	0.01592
594640.67	4128547.67	0.02398809	0.00443963	0.00408906	0.02399
594778.05	4128503.58	0.09310162	0.0085118	0.00758903	0.09310
594789.55	4128515.08	0.10962147	0.00934546	0.00829293	0.10962
594800.41	4128527.22	0.12542104	0.01020603	0.00902622	0.12542
594813.83	4128543.19	0.14382298	0.0112709	0.00993971	0.14382
594859.83	4128584.08	0.16122872	0.01247291	0.01098875	0.16123
594870.05	4128594.31	0.16256411	0.01270944	0.0112063	0.16256
594880.91	4128605.81	0.16285369	0.01289257	0.0113787	0.16285

594891.78	4128616.67	0.1603304	0.01283329	0.01133582	0.16033
594611.28	4128774.49	0.06387724	0.00491877	0.00433191	0.06388
594594.03	4128775.13	0.05351319	0.00419537	0.00369998	0.05351
594611.92	4128737.43	0.063009	0.00506472	0.00447515	0.06301
594614.48	4128716.98	0.06211949	0.00518462	0.00459376	0.06212
594595.95	4128717.62	0.0504045	0.0042745	0.00379168	0.05040
594590.84	4128739.35	0.05029784	0.00412471	0.00364998	0.05030
594572.95	4128737.43	0.04192737	0.00351093	0.00311155	0.04193
594558.25	4128731.68	0.03601123	0.00308528	0.00273876	0.03601
594650.26	4128653.09	0.08145112	0.00860024	0.00773501	0.08145
594556.33	4128743.18	0.03638709	0.00307083	0.00272303	0.03639
594156.81	4128109.88	0.00163817	0.00277007	0.00262225	0.00277
594173.28	4128104.16	0.00188692	0.00335112	0.0031728	0.00335
594204.67	4128130.51	0.00136452	0.00206206	0.00195126	0.00206
594294.16	4128082.57	0.00384941	0.00792213	0.00750384	0.00792
594402.07	4128182.58	0.00110044	0.00125692	0.00118795	0.00126
594560.99	4128457.35	0.00385786	0.00126194	0.00117805	0.00386
594484.6	4128319.73	0.00144302	0.00080772	0.00075948	0.00144
594496.18	4128330.79	0.0015327	0.00083231	0.00078236	0.00153
594785.03	4128768.48	0.2569836	0.01840237	0.016111	0.25698
594809.73	4128769.39	0.1894398	0.01424777	0.01252438	0.18944
594853.71	4128775.36	0.10777274	0.00984454	0.00877678	0.10777
594860.97	4128775.36	0.09835799	0.00954292	0.0085404	0.09836
594896.14	4128777.48	0.05568471	0.00968519	0.00890257	0.05568
595133.8	4128685.43	0.01948768	0.00223117	0.00201544	0.01949
594914.19	4128786.67	0.03966157	0.01054408	0.00980358	0.03966
594874.82	4128777.83	0.07629173	0.00876422	0.0079182	0.07629
594152.05	4128129.79	0.00126093	0.00184791	0.00174841	0.00185
594202.81	4128148.84	0.00117629	0.00156821	0.0014832	0.00157
594241.18	4128131.38	0.0013996	0.00212951	0.00201513	0.00213
594332.26	4128103.12	0.00221536	0.00412696	0.00390793	0.00413
594456.05	4128365.74	0.00174395	0.00072231	0.00067676	0.00174
594570.17	4128468.28	0.00438099	0.00137699	0.00128453	0.00438
594462.2	4128339.56	0.00154958	0.00074531	0.00069964	0.00155
594506.43	4128340.91	0.00162882	0.00086223	0.00081027	0.00163
594790.08	4128779.43	0.18743547	0.01375058	0.01206283	0.18744
594830.62	4128770.02	0.15276449	0.01223797	0.01081064	0.15276
594782.57	4128786.09	0.16389271	0.01207244	0.01059422	0.16389
594852.94	4128785.86	0.08494643	0.00797815	0.00712556	0.08495
594873.88	4128804.73	0.04274442	0.00531026	0.00481618	0.04274
595133.34	4128701.89	0.01747324	0.00215136	0.00195036	0.01747
595019.02	4128685.83	0.05096113	0.00493553	0.00441655	0.05096
595057.48	4128670.69	0.03854238	0.00375734	0.0033636	0.03854
595058.31	4128653.72	0.04107785	0.00384266	0.00343114	0.04108
595056.86	4128637.66	0.04350799	0.00394384	0.00351431	0.04351
594151.73	4128146.21	0.00111019	0.00145003	0.00137131	0.00145
594240.91	4128149.07	0.00121591	0.00164373	0.00155472	0.00164
594174.19	4128094.46	0.00234629	0.00443113	0.00419613	0.00443
594310.35	4128118.59	0.00168827	0.00284699	0.00269504	0.00285
594494.91	4128412.28	0.00238776	0.00083467	0.00078006	0.00239
594580.96	4128478.67	0.00505432	0.00153553	0.00143153	0.00505
594471.65	4128352.38	0.00166116	0.00076041	0.00071338	0.00166
594515.61	4128353.46	0.001759	0.00089486	0.00084057	0.00176
594929.89	4128040.25	0.00310253	0.00108368	0.00101276	0.00310
594897.89	4128019.95	0.00260861	0.00118881	0.00111523	0.00261
594729.44	4128313.92	0.00665201	0.00595721	0.00562267	0.00665
594730.04	4128324.02	0.0070994	0.00596052	0.00562343	0.00710
594965.04	4128727.99	0.07133696	0.00784507	0.00707157	0.07134
595039.74	4128656.87	0.04748711	0.00437653	0.0039041	0.04749
595011.68	4128715.14	0.0446582	0.00487798	0.00439542	0.04466
595023.07	4128705.51	0.04290704	0.00453222	0.00407634	0.04291
595035.37	4128696.33	0.04059754	0.00419271	0.00376617	0.04060
595048.6	4128684.86	0.03860868	0.00388997	0.00348922	0.03861
594156.81	4128166.44	0.00101574	0.00116055	0.00109687	0.00116
594324.73	4128150.25	0.00125513	0.0017285	0.00163502	0.00173
594192.29	4128092.14	0.00257889	0.0049667	0.00470357	0.00497
594328.45	4128132.15	0.00144786	0.00225046	0.00212975	0.00225
594484.65	4128398.92	0.00216732	0.0007959	0.0007444	0.00217

594590.68	4128491.48	0.00607097	0.0017281	0.00160902	0.00607
594481.09	4128364.92	0.00178832	0.00078167	0.0007329	0.00179
594526.67	4128365.19	0.00190437	0.00094147	0.00088407	0.00190
594851.13	4127984.38	0.00201941	0.00131672	0.00123985	0.00202
594848.47	4128001.92	0.00215728	0.00141784	0.00133516	0.00216
594712.46	4128323.73	0.00762274	0.00902988	0.00853588	0.00903
594780.3	4128311.57	0.00810124	0.00306928	0.00287205	0.00810
595091.67	4128681.59	0.02733961	0.00289745	0.00260649	0.02734
594985.15	4128715.08	0.06120754	0.00638337	0.00573717	0.06121
595001.12	4128701.32	0.05616336	0.00561353	0.00503283	0.05616
594975.35	4128737.57	0.05448616	0.00667866	0.00605339	0.05449
594894.98	4128801.8	0.03537805	0.00595122	0.00546415	0.03538
594918.29	4128804.09	0.02764997	0.00752982	0.0070046	0.02765
594935.19	4128811.44	0.02290906	0.00908508	0.00850698	0.02291
594292.66	4128148.25	0.00125916	0.00173875	0.00164474	0.00174
594206.26	4128109.2	0.00181326	0.00315816	0.00298993	0.00316
594372.26	4128145.71	0.00128862	0.00185471	0.00175472	0.00185
594476.02	4128388.8	0.00201963	0.00076884	0.00071949	0.00202
594599.04	4128501.06	0.00715733	0.00193399	0.0017988	0.00716
594492.7	4128375.31	0.00191931	0.00081545	0.00076429	0.00192
594534.77	4128374.77	0.00203559	0.00098118	0.00092108	0.00204
594931.92	4128018.42	0.00284313	0.00104843	0.00098065	0.00284
594897.21	4128000.82	0.00240957	0.00115186	0.0010812	0.00241
594753.99	4128314.5	0.00705828	0.0040544	0.00381326	0.00706
594780.53	4128299.81	0.00740083	0.00300122	0.00281114	0.00740
595091.67	4128697.59	0.02453673	0.00277987	0.00250973	0.02454
595033.78	4128674.19	0.04682495	0.00446739	0.00399392	0.04682
595092.89	4128798.07	0.00972544	0.00249245	0.00231555	0.00973
595109.32	4128798.07	0.00894503	0.00226152	0.00210036	0.00895
595123.92	4128797.61	0.00836086	0.00208539	0.00193619	0.00836
594594.57	4128547.24	0.01308092	0.00225205	0.00206936	0.01308
594610.2	4128548.32	0.01567709	0.00272078	0.00250075	0.01568
594624.75	4128548.86	0.01903882	0.00335894	0.00308898	0.01904
594621.75	4128590.45	0.03196326	0.00408669	0.00371141	0.03196
594105.97	4128171.34	0.00091559	0.00094026	0.00088817	0.00094
594239.91	4128105.3	0.00201301	0.00362451	0.00343318	0.00362
594369.41	4128168.8	0.00114753	0.00141561	0.00133842	0.00142
594584.77	4128432.65	0.00339901	0.00144251	0.00135199	0.00340
594576.92	4128422.67	0.0030642	0.00132987	0.00124678	0.00306
594616.02	4128467.73	0.00535121	0.00212162	0.00198662	0.00535
594556.63	4128400.54	0.00248663	0.00112457	0.00105487	0.00249
594898.07	4127985.5	0.00227023	0.00110898	0.00104122	0.00227
594929.03	4127999.04	0.00259948	0.00102713	0.00096172	0.00260
594766.84	4128316.04	0.0076458	0.00350947	0.00329256	0.00765
594779.15	4128327.06	0.0090146	0.00318177	0.00297403	0.00901
595090.75	4128714.05	0.02170966	0.00267643	0.00242653	0.02171
595008.09	4128772.32	0.02244017	0.00452408	0.00417751	0.02244
595051.13	4128776.45	0.01539442	0.00317594	0.00293455	0.01539
595018.02	4128785.17	0.01749901	0.00425291	0.00394624	0.01750
595050.97	4128790.22	0.01326704	0.00325981	0.00302553	0.01327
594549.75	4128547.91	0.00915453	0.00152493	0.00139965	0.00915
594565.38	4128547.1	0.01018293	0.00171634	0.00157598	0.01018
594642.31	4128571.41	0.03583363	0.00532767	0.00486949	0.03583
594649.57	4128583.56	0.0479886	0.00669835	0.00610666	0.04799
594156.81	4128181.41	0.00097302	0.00100543	0.00094976	0.00101
594242.13	4128084.89	0.00340684	0.00688417	0.00652036	0.00688
594466.33	4128377.73	0.0018773	0.00074369	0.00069636	0.00188
594595.83	4128445.2	0.00392912	0.0016298	0.00152706	0.00393
594606.6	4128457.61	0.00460261	0.00186049	0.00174258	0.00460
594567.98	4128410.66	0.00273608	0.00122367	0.00114766	0.00274
594623.82	4128478.93	0.00638497	0.00242961	0.00227364	0.00638
594850.69	4127967.48	0.00187848	0.00123059	0.0011588	0.00188
594713.46	4128311.86	0.00717102	0.00875085	0.00827327	0.00875
594766.84	4128324.25	0.00812677	0.00355783	0.00333594	0.00813
594779.15	4128339.62	0.00991375	0.00323009	0.00301514	0.00991
594863.24	4128961.31	0.0089538	0.00138307	0.00126598	0.00895
595029.65	4128774.56	0.01834682	0.00374241	0.00345687	0.01835
595091.97	4128774.56	0.0121241	0.00243313	0.00224644	0.01212

595109.78	4128774.56	0.01093701	0.00220084	0.00203213	0.01094
595050.97	4128765.38	0.0175046	0.00316665	0.0029145	0.01750
594535.7	4128548.04	0.00833873	0.00138166	0.00126791	0.00834
594580.5	4128547.5	0.01155333	0.00196045	0.00180054	0.01155
594639.61	4128583.69	0.03972247	0.00540312	0.00492045	0.03972
594649.3	4128595.3	0.05390509	0.0070512	0.00641031	0.05391
594112.36	4128157.82	0.00096473	0.00109693	0.00103671	0.00110
594316.11	4128129.88	0.00147753	0.00232173	0.00219728	0.00232
594604.22	4128516.57	0.00921044	0.00217241	0.00201432	0.00921
594544.02	4128470.15	0.00408666	0.00116133	0.00108127	0.00409
594516.47	4128436.69	0.00292783	0.00094309	0.00088016	0.00293
594531.56	4128422.12	0.00273468	0.00100011	0.00093534	0.00273
594502.39	4128386.5	0.00207196	0.00084918	0.00079551	0.00207
594711.93	4128340.94	0.00836714	0.00917263	0.00866751	0.00917
594724.7	4128340.71	0.00801496	0.00674792	0.00636642	0.00801
594738.16	4128340.94	0.00822378	0.00527727	0.00496852	0.00822
594764.92	4128298.95	0.00670704	0.00347394	0.00326381	0.00671
594855.84	4128802.72	0.0548427	0.0056625	0.00508636	0.05484
594785.53	4128831.63	0.05337832	0.00450506	0.00399484	0.05338
594796.46	4128831.63	0.04981205	0.00432863	0.00384624	0.04981
595049.6	4128808.45	0.01125505	0.00353398	0.00329664	0.01126
594828.2	4128794.7	0.0871851	0.00742009	0.00658361	0.08719
594891.14	4128831.45	0.02329605	0.00381195	0.00349659	0.02330
594905.45	4128831.19	0.02081203	0.00414155	0.00382285	0.02081
594918	4128830.69	0.01918572	0.00468031	0.0043432	0.01919
594291.98	4128131.38	0.00144166	0.00222533	0.00210591	0.00223
594574.27	4128502.13	0.00631844	0.00155304	0.00144144	0.00632
594554.54	4128483.51	0.00478232	0.00127937	0.00118968	0.00478
594525.37	4128448.16	0.00325243	0.00100449	0.00093675	0.00325
594541.54	4128435.48	0.00307692	0.00107591	0.00100551	0.00308
594512.1	4128397.16	0.00224044	0.00088915	0.00083258	0.00224
594788.47	4128796.69	0.1112824	0.00856081	0.00753884	0.11128
594812.03	4128788.66	0.11698506	0.00924282	0.00815627	0.11699
594808.73	4128806.79	0.07516796	0.00626495	0.00555042	0.07517
594855.23	4128813.67	0.04388241	0.00472231	0.00425169	0.04388
594859.28	4128793.94	0.06462105	0.00660522	0.00592971	0.06462
595427.44	4129452.45	0.00133192	0.00164354	0.00155392	0.00164
595443.76	4129477.89	0.00125123	0.00152436	0.00144116	0.00152
595096.58	4128893.01	0.00615931	0.00429875	0.00405012	0.00616
594931.43	4128831.15	0.01776407	0.00555328	0.0051799	0.01776
594942.72	4128831.15	0.0171183	0.00680983	0.0063768	0.01712
594952	4128830.89	0.01703901	0.00850129	0.00798373	0.01704
594296.11	4128099.86	0.00233822	0.0043996	0.00416623	0.00440
594583.17	4128516.02	0.00785748	0.00175617	0.00162618	0.00786
594565.07	4128491.74	0.00541448	0.00140661	0.00130717	0.00541
594535.36	4128456.66	0.00356469	0.00107609	0.00100308	0.00356
594551.25	4128443.17	0.00334271	0.00115443	0.00107868	0.00334
594634.61	4128491.2	0.00822804	0.00302314	0.00282755	0.00823
594807.75	4128780.8	0.14976918	0.01144622	0.01007459	0.14977
594789.31	4128805.81	0.08641262	0.00685899	0.0060548	0.08641
594831.22	4128783.32	0.11317006	0.00936741	0.00829489	0.11317
594832.05	4128808.57	0.06066674	0.00554352	0.00494237	0.06067
594810.94	4128797.36	0.09359336	0.00759183	0.00671264	0.09359
595414.09	4129463.99	0.00119367	0.00133266	0.00125938	0.00133
595497.65	4129524.43	0.00119574	0.00153736	0.0014538	0.00154
595481.49	4129523.42	0.0011252	0.00135624	0.00128215	0.00136
595080.91	4128875.09	0.00688681	0.00431267	0.00405947	0.00689
595084.17	4128856.08	0.00709126	0.00350763	0.00329377	0.00709
595139.79	4128859.08	0.00542675	0.00231437	0.00216928	0.00543
595164.13	4128891	0.00444642	0.00231227	0.0021725	0.00445
595207.95	4128939.61	0.00345585	0.00224737	0.00211613	0.00346
595220.47	4129289.9	0.00155294	0.00115776	0.00109136	0.00155
595259.38	4129289.47	0.00165197	0.00150071	0.00141656	0.00165
595294.68	4129290.12	0.00183825	0.00203965	0.00192745	0.00204
594902.61	4129107.8	0.00368355	0.00079256	0.00073316	0.00368
594827.43	4129184.31	0.00362648	0.00061126	0.00056127	0.00363
594852.82	4129183.98	0.0033308	0.00061333	0.00056481	0.00333
595333.6	4129288.08	0.00243335	0.00352803	0.00333793	0.00353

595380.35	4129325.01	0.00274129	0.00447961	0.00424008	0.00448
595354.7	4129297.95	0.00277843	0.00441723	0.00418064	0.00442
595368.91	4129310.75	0.00283822	0.00463179	0.0043841	0.00463
595107.61	4128896.67	0.00574855	0.00390767	0.00368086	0.00575
595293.36	4129039.9	0.00248227	0.00226349	0.00213662	0.00248
595128.46	4128901.73	0.00510748	0.0032891	0.00309676	0.00511
595155	4128868.94	0.00492035	0.00219981	0.00206317	0.00492
595175.78	4128905.49	0.00411213	0.00231081	0.00217289	0.00411
595238.67	4129290.18	0.00158682	0.00129184	0.00121853	0.00159
595275	4129290.4	0.00171271	0.00169027	0.00159628	0.00171
595312.87	4129293.82	0.0019678	0.00240926	0.00227781	0.00241
594951.95	4129201.23	0.0022982	0.00063937	0.00059504	0.00230
594951.45	4129184.34	0.00243022	0.00067121	0.00062457	0.00243
594951.87	4129167.45	0.00257027	0.00070716	0.00065797	0.00257
595428.66	4129378.62	0.00257944	0.00435838	0.0041258	0.00436
595310.9	4129057.13	0.00235057	0.00222537	0.00210111	0.00235
595331.92	4129156.05	0.00295141	0.00428766	0.00405665	0.00429
595321.54	4129074.33	0.0022987	0.0022978	0.00217019	0.00230
595113.6	4128851.38	0.00627335	0.00266537	0.00249815	0.00627
595112.85	4128887.74	0.00564074	0.00341407	0.00321262	0.00564
595120.78	4128911.11	0.00530185	0.00387559	0.00365276	0.00530
595221.89	4128959.1	0.00322758	0.00228542	0.00215348	0.00323
595233.53	4128971.89	0.00307027	0.00227259	0.00214214	0.00307
595119.78	4129332.57	0.00134045	0.00064513	0.00060561	0.00134
595138.93	4129334.68	0.00132912	0.00067791	0.0006368	0.00133
595155.7	4129334.42	0.00133016	0.00071639	0.00067334	0.00133
595183.3	4129288.98	0.00151498	0.00095863	0.00090244	0.00151
595272.73	4129366.65	0.00129686	0.00101583	0.00095792	0.00130
595214.73	4129331.51	0.00136953	0.00091599	0.0008627	0.00137
595287.25	4129332.83	0.00148106	0.00135045	0.00127476	0.00148
595311.95	4129339.18	0.00153023	0.00154867	0.00146276	0.00155
595331.37	4129347.63	0.00156695	0.00170958	0.00161539	0.00171
595074.4	4129323.35	0.00139504	0.00058859	0.00055161	0.00140
595285.77	4129354.5	0.00136865	0.00116539	0.00109959	0.00137
595418.42	4129365.33	0.00266882	0.00451558	0.00427463	0.00452
595279.07	4129085.35	0.00300949	0.00372403	0.00352101	0.00372
595372.78	4129189.43	0.00256417	0.00371188	0.00351184	0.00371
595343.48	4129168.35	0.00289273	0.00425874	0.0040295	0.00426
595230.18	4129029.41	0.00336729	0.00364539	0.00344442	0.00365
595263.39	4129007.48	0.00273924	0.00228267	0.00215347	0.00274
595279.79	4129026.86	0.00259381	0.00229399	0.002165	0.00259
595147.72	4128938.09	0.00458655	0.0037255	0.00351402	0.00459
595137.3	4128924.75	0.00482982	0.00367616	0.00346586	0.00483
595112.65	4129285.77	0.00152165	0.00073829	0.00069312	0.00152
595074.99	4129304.8	0.00146497	0.00062287	0.0005838	0.00146
595127.17	4129285.77	0.00151502	0.00077395	0.00072703	0.00152
595175.91	4129334.39	0.00133564	0.00077046	0.00072466	0.00134
595255.03	4129366.62	0.00127683	0.00093355	0.00087988	0.00128
595237.46	4129351.56	0.00131514	0.00092544	0.00087198	0.00132
595439.07	4129389.95	0.0025724	0.0043839	0.00415007	0.00438
595452.9	4129402.76	0.00263577	0.0045796	0.00433561	0.00458
595371.16	4129439.36	0.00117744	0.00117743	0.00111204	0.00118
595393.46	4129414.88	0.00141334	0.00169139	0.00159893	0.00169
595476.63	4129434.13	0.00234716	0.00401827	0.003804	0.00402
595458.53	4129407.98	0.00264297	0.0046181	0.00437214	0.00462
595408.18	4129350.58	0.00285455	0.00488384	0.00462341	0.00488
595257.99	4129067.54	0.00322849	0.00393209	0.00371747	0.00393
595306.54	4129122.59	0.00295719	0.00400779	0.00379081	0.00401
595319.82	4129140.23	0.00295122	0.00415508	0.00393073	0.00416
595240.41	4129023.07	0.00310879	0.0030866	0.00291506	0.00311
595247.31	4128986.52	0.00290504	0.00225135	0.00212284	0.00291
595252.74	4128994.2	0.00284617	0.00226936	0.00214026	0.00285
595192.09	4128920.73	0.00376024	0.00225097	0.00211793	0.00376
595175.66	4128966.77	0.00403793	0.00361292	0.00341001	0.00404
595088.6	4129290.76	0.00151488	0.00067579	0.00063379	0.00151
595148.7	4129287.07	0.00150707	0.00083267	0.00078284	0.00151
595164.42	4129287.86	0.00150661	0.00088409	0.00083168	0.00151
595198.63	4129286.27	0.00154186	0.00104779	0.00098697	0.00154

595196.38	4129334.89	0.00134429	0.00083399	0.00078496	0.00134
595235.34	4129332.77	0.00138465	0.00100336	0.00094561	0.00138
595444.67	4129395.56	0.00259065	0.00444603	0.00420899	0.00445
595365.92	4129389.11	0.0014477	0.00165225	0.00156158	0.00165
595379.02	4129400.34	0.00143557	0.00168171	0.00158963	0.00168
595382.68	4129426.61	0.00128263	0.00140217	0.00132494	0.00140
595488.78	4129448.63	0.00232984	0.00401468	0.00380068	0.00401
595466.19	4129420.63	0.00241119	0.00412814	0.00390802	0.00413
595393.19	4129336.56	0.0028268	0.0047428	0.0044896	0.00474
595247.67	4129052.75	0.00325854	0.00378796	0.00358041	0.00379
595290.63	4129099.2	0.00295212	0.00376377	0.00355906	0.00376
595327.57	4129081.99	0.00226721	0.00231116	0.00218304	0.00231
595203.86	4128999.19	0.00364622	0.00363025	0.00342855	0.00365
595219.16	4129017.83	0.00348746	0.00367884	0.00347556	0.00368
595229.71	4129010.52	0.00321357	0.00307798	0.00290632	0.00321
595160.4	4128953.08	0.00433049	0.00374512	0.00353402	0.00433
595191.01	4128985.43	0.00381823	0.00365747	0.0034535	0.00382
595341.75	4129361.55	0.00152245	0.00167608	0.00158382	0.00168
595319.56	4129372.12	0.00136865	0.00130289	0.00123019	0.00137
594823.12	4129350.69	0.00223852	0.00041735	0.00038448	0.00224
594840.16	4129351.18	0.00214159	0.00041785	0.00038548	0.00214
594856.23	4129352.15	0.0020413	0.00041798	0.00038613	0.00204
594950.83	4129354.09	0.0015152	0.00043671	0.00040671	0.00152
594967.39	4129353.6	0.00145622	0.00044525	0.00041515	0.00146
594983.45	4129353.6	0.00140836	0.00045472	0.00042439	0.00141
595001.49	4129349.66	0.00138037	0.00047175	0.00044071	0.00138
595044.8	4129396.91	0.00117343	0.00045339	0.00042438	0.00117
595075.17	4129370.37	0.00123625	0.00051638	0.00048387	0.00124
595126.08	4129373.64	0.00121377	0.00057975	0.00054418	0.00121
595243.87	4129478.68	0.00096045	0.00057508	0.00054109	0.00096
595274.5	4129500.59	0.00092	0.00058174	0.00054764	0.00092
595213.07	4129402.68	0.00114126	0.00068216	0.00064184	0.00114
595265.91	4129429.75	0.00108621	0.0007442	0.00070105	0.00109
595301.52	4129380.53	0.00128766	0.00110527	0.00104292	0.00129
594793.06	4129350.42	0.00237826	0.00041514	0.00038164	0.00238
594809.62	4129351.39	0.00230127	0.00041586	0.00038273	0.00230
594871.74	4129351.88	0.00194748	0.00041944	0.00038802	0.00195
594886.84	4129352.36	0.00185285	0.00042076	0.00038977	0.00185
594901.45	4129353.81	0.0017605	0.0004219	0.00039135	0.00176
594919.95	4129353.33	0.00166079	0.00042655	0.00039629	0.00166
594937.47	4129353.33	0.00157503	0.00043206	0.00040199	0.00158
595042.27	4129376.58	0.00123627	0.00047467	0.00044426	0.00124
595074.73	4129391.99	0.00117065	0.00048697	0.00045628	0.00117
595196.07	4129448.03	0.00102232	0.00055588	0.00052253	0.00102
595231.02	4129462.96	0.00099312	0.00058469	0.00055005	0.00099
595258.89	4129485.88	0.00094804	0.00058596	0.00055149	0.00095
595214.71	4129454.65	0.00100944	0.00057336	0.0005392	0.00101
595234.32	4129411.58	0.00112338	0.00071009	0.00066845	0.00112
595295.77	4129404.2	0.00118869	0.00095102	0.00089694	0.00119
594782.4	4129402.99	0.00210446	0.00037285	0.00034293	0.00210
594801.86	4129402.51	0.00205002	0.00037556	0.0003458	0.00205
594867.38	4129404.44	0.0017506	0.00037843	0.00035011	0.00175
594932.94	4129404.03	0.001427	0.00038782	0.00036075	0.00143
594916.39	4129403.8	0.00150304	0.00038445	0.00035714	0.00150
594980.9	4129488.37	0.00105807	0.00033994	0.00031725	0.00106
595042.13	4129464.29	0.00100464	0.00038504	0.00036036	0.00100
595043.53	4129409.85	0.00113823	0.00043831	0.00041024	0.00114
595075.74	4129409.01	0.00112166	0.00046694	0.00043752	0.00112
595120.42	4129478.92	0.0009449	0.00042677	0.00040031	0.00094
595156.71	4129400.4	0.00113792	0.00058015	0.00054496	0.00114
595177.02	4129399.64	0.0011424	0.00061601	0.00057899	0.00114
595196.66	4129400.39	0.0011437	0.00065223	0.0006134	0.00114
595250.73	4129418.85	0.00111004	0.0007329	0.00069019	0.00111
595313	4129420.08	0.00114217	0.00094802	0.00089434	0.00114
594781.91	4129437.14	0.00193533	0.00034949	0.00032164	0.00194
594830.95	4129407.57	0.00191387	0.0003742	0.00034523	0.00191
594849.93	4129403.69	0.00184204	0.00037795	0.00034917	0.00184
594816.55	4129402.72	0.00199579	0.00037668	0.00034714	0.00200



594883.03	4129407.57	0.00165814	0.00037737	0.00034959	0.00166
594981.08	4129408.19	0.00124689	0.00040134	0.00037455	0.00125
595042.55	4129444.39	0.00105036	0.00040328	0.00037744	0.00105
595042.69	4129361.68	0.00128355	0.00049343	0.00046182	0.00128
595074.05	4129427.93	0.00107159	0.00044369	0.00041571	0.00107
595075.46	4129481.52	0.00094624	0.0003903	0.00036567	0.00095
595077.71	4129443.96	0.00103035	0.00042935	0.00040231	0.00103
595140.24	4129399.04	0.00114028	0.00055758	0.00052352	0.00114
595119.5	4129398.54	0.00114219	0.00052993	0.00049724	0.00114
595281.49	4129442.51	0.00105992	0.00074995	0.00070665	0.00106
595334.74	4129423.24	0.00115989	0.00104035	0.00098194	0.00116
594864.47	4129487.19	0.00148655	0.00032538	0.00030113	0.00149
594830.95	4129434.93	0.00179811	0.00035569	0.00032826	0.00180
594850.89	4129434.93	0.00171502	0.00035674	0.0003297	0.00172
594818	4129433.96	0.0018499	0.00035545	0.00032776	0.00185
594883.03	4129434.93	0.00156556	0.00035854	0.0003322	0.00157
594981.08	4129435.55	0.00117576	0.00037869	0.00035342	0.00118
595042.55	4129430.39	0.00108509	0.00041666	0.00038997	0.00109
595047.75	4129479.34	0.00096715	0.00037528	0.00035129	0.00097
594931.84	4129488.8	0.00121223	0.00032934	0.00030635	0.00121
594799.73	4129485.62	0.00169573	0.00032228	0.00029707	0.00170
595075.6	4129465.84	0.00098017	0.00040541	0.00037983	0.00098
595137.24	4129447.6	0.00101663	0.00048113	0.00045156	0.00102
595255.31	4129522.17	0.0008722	0.00051042	0.00048015	0.00087
595311.84	4129464.54	0.00101983	0.0007694	0.00072534	0.00102
595351.96	4129405.48	0.00128456	0.00130097	0.0012288	0.00130
594846.58	4129485.19	0.00156043	0.00032581	0.00030114	0.00156
594882.33	4129487.03	0.00141536	0.00032623	0.00030232	0.00142
594896.74	4129487.49	0.00135482	0.00032675	0.00030313	0.00135
594933.4	4129439.32	0.00132588	0.00036192	0.00033669	0.00133
594916.85	4129436.8	0.0014029	0.00036082	0.00033524	0.00140
594963.52	4129489.06	0.00110474	0.00033493	0.00031223	0.00110
594998.39	4129487.22	0.00102043	0.00034642	0.00032359	0.00102
594947.7	4129488.63	0.00115626	0.00033195	0.00030913	0.00116
594915.56	4129487.95	0.001277	0.00032797	0.00030471	0.00128
594781	4129485.68	0.00172985	0.00031992	0.00029465	0.00173
595137.88	4129477.6	0.00094855	0.00044382	0.00041649	0.00095
595120.48	4129450.25	0.00100966	0.00046039	0.0004319	0.00101
595175.68	4129446.72	0.00102282	0.00052886	0.00049686	0.00102
595301.08	4129559.26	0.00080519	0.00050015	0.00047075	0.00081
594831.76	4129486.38	0.00160726	0.00032439	0.00029955	0.00161
595044.38	4129341.64	0.00135063	0.00052183	0.00048844	0.00135
594816.63	4129485.43	0.00165525	0.00032394	0.00029887	0.00166
595158.18	4129478.49	0.00094863	0.00046255	0.00043427	0.00095
595211.37	4129485.99	0.00093925	0.00051369	0.00048289	0.00094
595225.3	4129500.11	0.0009117	0.0005089	0.00047849	0.00091
595152.74	4129448.92	0.00101506	0.00049671	0.00046636	0.00102
595341.13	4129562.02	0.00080019	0.00054587	0.0005142	0.00080
595077.18	4129350.52	0.00129906	0.00054814	0.0005137	0.00130
595174.06	4129476.72	0.00095439	0.00048201	0.00045272	0.00095
595193.28	4129481.58	0.00094637	0.00049745	0.00046744	0.00095
595367.41	4129555.23	0.00082059	0.00060847	0.00057355	0.00082
595420.58	4129543.73	0.0008912	0.00079701	0.00075224	0.00089
595315.46	4129536.06	0.00085367	0.00057212	0.00053885	0.00085
595477.45	4129540.62	0.00100488	0.00110449	0.00104369	0.00110
595396.15	4129564.98	0.00081136	0.00063308	0.00059697	0.00081
595353.82	4129526.46	0.00088253	0.00067316	0.00063466	0.00088
595394.78	4129535.18	0.00088726	0.00075016	0.00070777	0.00089
595330.8	4129498.57	0.00094453	0.00071023	0.00066954	0.00094
595475.42	4129559.86	0.00090339	0.00090218	0.00085207	0.00090
595419.83	4129565.95	0.00082499	0.00068432	0.00064557	0.00082
595392.86	4129507.11	0.00096724	0.00087665	0.00082748	0.00097
595417.79	4129513.03	0.00099087	0.00096604	0.00091226	0.00099
595360.09	4129499.09	0.00095781	0.00079247	0.00074758	0.00096
594801.31	4129435.64	0.00189525	0.00035288	0.00032507	0.00190
594867.73	4129437.09	0.00163074	0.00035616	0.0003296	0.00163
594899.24	4129405.96	0.00158058	0.00038021	0.00035271	0.00158
594899.24	4129433.32	0.0014935	0.00036101	0.00033493	0.00149

594965.89	4129410.32	0.00128513	0.00039313	0.00036655	0.00129
594965.89	4129437.68	0.00121354	0.00037157	0.00034646	0.00121
594949.1	4129408.18	0.00134951	0.00038905	0.00036233	0.00135
594949.1	4129435.54	0.00127518	0.00036823	0.00034296	0.00128
594123.36	4128193.08	0.00091144	0.00083806	0.00079113	0.00091
594125.98	4128217.36	0.00090445	0.00071642	0.00067563	0.00090
594125.98	4128234.55	0.00091034	0.00064952	0.00061206	0.00091
594154.37	4128235.67	0.00093807	0.00068327	0.00064397	0.00094
594155.86	4128216.99	0.00093519	0.00076635	0.00072289	0.00094
594156.23	4128199.06	0.0009453	0.00086933	0.00082065	0.00095
594084.14	4128215.87	0.00085641	0.00064294	0.00060661	0.00086
594077.04	4128225.58	0.00085332	0.0005992	0.00056457	0.00085
594080.03	4128244.63	0.00087201	0.0005537	0.00052126	0.00087
594204.79	4128164.7	0.00108611	0.00130164	0.0012305	0.00130
594204.79	4128184.49	0.00101969	0.00107006	0.0010109	0.00107
594240.28	4128166.19	0.00111313	0.00134128	0.00126801	0.00134
594240.28	4128184.87	0.00104977	0.00111648	0.00105483	0.00112
594238.04	4128199.81	0.00102063	0.00098244	0.00092767	0.00102
594204.79	4128205.04	0.00098691	0.00090425	0.00085359	0.00099
594201.81	4128219.98	0.00097643	0.00081066	0.00076476	0.00098
594203.3	4128236.42	0.000981	0.000734	0.00069193	0.00098
594238.04	4128218.49	0.00100649	0.00085746	0.00080905	0.00101
594241.78	4128235.3	0.00101148	0.00077443	0.00073016	0.00101
594292.2	4128166.94	0.00114385	0.00139366	0.0013176	0.00139
594291.05	4128204.51	0.00104933	0.00099478	0.00093924	0.00105
594290.37	4128187.64	0.00107517	0.00113985	0.00107689	0.00114
594292.54	4128238.87	0.00104912	0.00079594	0.00075039	0.00105
594291.87	4128222	0.00104186	0.00088098	0.0008312	0.00104
594325.04	4128258.3	0.00109405	0.00074081	0.00069779	0.00109
594324.36	4128241.43	0.00107015	0.0008054	0.00075926	0.00107
594325.41	4128220.2	0.00105835	0.0009135	0.000862	0.00106
594324.74	4128203.33	0.00106493	0.00102691	0.00096968	0.00106
594323.17	4128186.2	0.00109113	0.00117915	0.00111413	0.00118
594322.5	4128169.33	0.0011443	0.00138503	0.00130939	0.00139
594369.12	4128259.42	0.0011251	0.00077001	0.00072536	0.00113
594368.44	4128242.55	0.00109365	0.00083139	0.00078382	0.00109
594369.87	4128221.69	0.00107266	0.00093192	0.00087942	0.00107
594369.19	4128204.82	0.00107323	0.00104139	0.00098338	0.00107
594400.12	4128260.17	0.00114389	0.00079494	0.00074894	0.00114
594399.45	4128243.3	0.00110672	0.00085297	0.00080425	0.00111
594401.24	4128223.93	0.00107997	0.00094163	0.0008886	0.00108
594400.57	4128207.06	0.00107361	0.00104332	0.00098521	0.00107
594371.02	4128185.99	0.00109676	0.00120714	0.00114068	0.00121
594446.85	4128235.67	0.00109919	0.00092557	0.00087324	0.00110
594448.34	4128259.58	0.00115417	0.00084444	0.0007959	0.00115
594465.15	4128255.84	0.00114694	0.00087697	0.00082683	0.00115
594239.44	4128279.33	0.00106593	0.00062067	0.00058383	0.00107
594237.57	4128294.65	0.00109809	0.00058404	0.00054887	0.00110
594237.94	4128312.58	0.00114601	0.00055059	0.00051684	0.00115
594237.19	4128327.52	0.00119132	0.0005274	0.00049458	0.00119
594202.73	4128279.8	0.00103398	0.00059364	0.00055833	0.00103
594200.87	4128295.12	0.00106368	0.00055868	0.00052497	0.00106
594201.24	4128313.05	0.00110786	0.00052643	0.0004941	0.00111
594203.99	4128327.12	0.00115005	0.00050716	0.00047557	0.00115
594156.41	4128278.68	0.00098995	0.00055989	0.00052651	0.00099
594154.54	4128294	0.00101636	0.00052728	0.00049539	0.00102
594154.92	4128311.93	0.00105518	0.00049743	0.00046684	0.00106
594154.17	4128326.87	0.0010903	0.00047581	0.00044611	0.00109
594116.44	4128279.8	0.00095299	0.00052045	0.00048925	0.00095
594114.57	4128295.12	0.00097748	0.00049158	0.0004617	0.00098
594114.95	4128313.05	0.00101324	0.00046544	0.00043668	0.00101
594114.2	4128327.99	0.00104491	0.00044627	0.0004183	0.00104
594283.66	4128296.51	0.0011478	0.00061069	0.00057392	0.00115
594283.68	4128309.94	0.00118786	0.00058509	0.00054939	0.00119
594282.98	4128324.63	0.00123774	0.00056161	0.00052682	0.00124
594282.23	4128339.57	0.00129509	0.00054175	0.00050765	0.00130
594326.57	4128303.53	0.00121325	0.00062719	0.00058924	0.00121
594283.41	4128281.6	0.00110966	0.00064471	0.00060643	0.00111

594326.97	4128334.89	0.00133873	0.00058103	0.00054473	0.00134
594313.27	4128335.25	0.00132081	0.0005696	0.00053397	0.00132
594357.93	4128334.55	0.00138015	0.0006083	0.00057041	0.00138
594344.23	4128334.92	0.00136301	0.00059555	0.00055839	0.00136
594325.72	4128356.04	0.00144007	0.00055861	0.0005229	0.00144
594312.02	4128356.41	0.00141862	0.00054697	0.00051195	0.00142
594356.68	4128355.7	0.00149023	0.00058665	0.00054926	0.00149
594342.98	4128356.07	0.00146921	0.00057355	0.00053693	0.00147
594385.1	4128356.31	0.00154214	0.00061626	0.00057711	0.00154
594371.39	4128356.68	0.00152076	0.00060068	0.00056242	0.00152
594416.06	4128355.97	0.00159406	0.00065685	0.00061538	0.00159
594402.36	4128356.34	0.00157272	0.0006377	0.00059731	0.00157
594385.37	4128334.99	0.00141911	0.000635	0.00059557	0.00142
594371.66	4128335.36	0.0014026	0.00062043	0.00058181	0.00140
594416.33	4128334.65	0.00145847	0.00067307	0.00063151	0.00146
594402.63	4128335.02	0.00144252	0.00065494	0.00061438	0.00144
594430.03	4128355.38	0.00161354	0.00067827	0.00063562	0.00161
594430.3	4128334.06	0.00147236	0.00069314	0.0006505	0.00147
594339.75	4128303.14	0.00122619	0.00063858	0.00059999	0.00123
594352.16	4128303.71	0.00124146	0.00064759	0.00060847	0.00124
594312.76	4128303.7	0.00119922	0.00061689	0.00057953	0.00120
594380.47	4128302.9	0.00126673	0.00067467	0.00063406	0.00127
594393.65	4128302.51	0.00127718	0.00068841	0.00064705	0.00128
594412.26	4128302.54	0.00129331	0.00070884	0.00066636	0.00129
594366.66	4128303.06	0.00125373	0.0006614	0.00062152	0.00125
594427.77	4128304.53	0.00131356	0.00072438	0.00068101	0.00131
594441.74	4128303.94	0.00132084	0.00074451	0.0007001	0.00132
594455.26	4128305.32	0.00133723	0.00076377	0.0007183	0.00134
594473.08	4128305.05	0.0013487	0.00079677	0.00074959	0.00135
594074.7	4128261.48	0.00088607	0.00051093	0.00048056	0.00089
594070.34	4128276.85	0.00090324	0.00047933	0.00045046	0.00090
594070.34	4128295.44	0.00093266	0.00045206	0.0004244	0.00093
594028.36	4128311.96	0.00091508	0.00039861	0.00037373	0.00092
594051.3	4128317.92	0.00095097	0.00041041	0.00038474	0.00095
594068.96	4128323.43	0.00098152	0.00041792	0.00039172	0.00098
594715.3	4128299.81	0.00672073	0.00821127	0.00776318	0.00821
594727.32	4128298.74	0.00618542	0.00606113	0.00572385	0.00619
594740.08	4128298.51	0.00612072	0.0047829	0.00451016	0.00612
594753.54	4128298.74	0.00636341	0.00395706	0.00372449	0.00636
594739.71	4128353.69	0.00904533	0.00511185	0.00480703	0.00905
594752.48	4128353.46	0.00968277	0.00429618	0.00402893	0.00968
594765.93	4128353.69	0.01054121	0.00369096	0.00344953	0.01054
594773.9	4128358.74	0.0114369	0.00342025	0.00318765	0.01144
594786.67	4128358.51	0.01255904	0.00312465	0.00290093	0.01256
594800.12	4128358.74	0.01367505	0.00289585	0.00267768	0.01368
594812.29	4128360.84	0.01491734	0.0027606	0.00254261	0.01492
594825.75	4128361.07	0.01592955	0.00262555	0.00240895	0.01593
594845.57	4128365.89	0.0180212	0.00253419	0.00231105	0.01802
594859.02	4128366.12	0.01886729	0.00247262	0.00224807	0.01887
594803.25	4128299.49	0.00835603	0.00253407	0.00236236	0.00836
594801.87	4128326.74	0.01034178	0.00269402	0.00250372	0.01034
594801.87	4128339.3	0.01153787	0.00276549	0.00256524	0.01154
594803.02	4128311.25	0.00915345	0.00258959	0.00241085	0.00915
594790.8	4128341.22	0.01100527	0.00297469	0.00276676	0.01101
594823.23	4128330.04	0.0118715	0.00240436	0.00222046	0.01187
594823.23	4128342.6	0.01326846	0.00249606	0.00230013	0.01327
594824.38	4128314.55	0.01047292	0.00229425	0.00212332	0.01047
594860.1	4128325.99	0.01338337	0.00210393	0.00192708	0.01338
594859.41	4128341.54	0.01520785	0.00222876	0.00203593	0.01521
594847.25	4128321.72	0.01229457	0.00214104	0.00196812	0.01229
594880.14	4128351.38	0.01767299	0.00225773	0.00205033	0.01767
594880.14	4128363.94	0.0196671	0.00238849	0.00216392	0.01967
594881.28	4128335.89	0.01560085	0.00211626	0.00192699	0.01560
594881.09	4128322.58	0.01401329	0.00201455	0.00183883	0.01401
594882.24	4128307.09	0.01248118	0.00191728	0.0017546	0.01248
594853.17	4128299.79	0.01060597	0.00200965	0.00185231	0.01061
594841.78	4128299.58	0.01008647	0.00208466	0.00192631	0.01009
594864.69	4128299.69	0.01109047	0.00194765	0.00179084	0.01109

594914.48	4128370.74	0.02223629	0.00238798	0.00214976	0.02224
594914.48	4128383.3	0.0246148	0.00254597	0.00228716	0.02461
594914.02	4128355.68	0.01971139	0.0022236	0.00200707	0.01971
594914.94	4128341.45	0.01766918	0.00208599	0.00188723	0.01767
594915.4	4128328.83	0.01606193	0.0019793	0.00179445	0.01606
594910.81	4128299.69	0.01281458	0.00179155	0.0016334	0.01281
594924.35	4128299.46	0.0131973	0.00175479	0.00159646	0.01320
594938.8	4128299.69	0.01359837	0.00172254	0.00156369	0.01360
594950.97	4128303.13	0.01420023	0.00171792	0.00155611	0.01420
594742.21	4128451.06	0.02858909	0.00564649	0.00521084	0.02859
594756.79	4128451.81	0.03291153	0.00519997	0.00476374	0.03291
594772.85	4128452.93	0.03727007	0.00494697	0.00450026	0.03727
594792.28	4128453.67	0.04120323	0.0047515	0.00429368	0.04120
594806.11	4128453.67	0.04299796	0.00463458	0.00417308	0.04300
594821.43	4128454.05	0.04455362	0.00453771	0.0040728	0.04455
594842.36	4128455.92	0.046565	0.00445481	0.00398336	0.04656
594855.81	4128461.15	0.04957101	0.0045475	0.0040554	0.04957
594871.87	4128467.5	0.05236703	0.00462855	0.0041175	0.05237
594804.99	4128494.4	0.0772815	0.00692443	0.00616554	0.07728
594814.7	4128487.3	0.06927669	0.00625839	0.00557553	0.06928
594826.29	4128476.84	0.06001518	0.00550616	0.00491035	0.06002
594829.65	4128505.61	0.08541821	0.00716837	0.00635393	0.08542
594841.23	4128496.65	0.07489234	0.00635558	0.00563796	0.07489
594854.69	4128486.18	0.06509674	0.00559472	0.00496743	0.06510
594890.82	4128577.25	0.12431799	0.00975497	0.00860368	0.12432
594902.32	4128588.75	0.12437889	0.00984176	0.00868579	0.12438
594913.18	4128600.89	0.12372601	0.00988361	0.00872901	0.12373
594902.06	4128562.56	0.10512379	0.00828182	0.00730663	0.10512
594913.57	4128574.06	0.10577065	0.00837702	0.00739361	0.10577
594924.43	4128586.2	0.10578658	0.00844072	0.00745403	0.10579
594943.24	4128641.96	0.11452274	0.00949833	0.00841204	0.11452
594916.1	4128666.97	0.16301023	0.01369119	0.01213638	0.16301
594927.17	4128654.17	0.13864659	0.01153512	0.0102182	0.13865
594957.7	4128630.49	0.09799445	0.00811798	0.00718895	0.09799
594964.69	4128642.88	0.09421524	0.00792421	0.00702501	0.09422
594977.71	4128652.73	0.08395277	0.00721328	0.00640438	0.08395
594970.41	4128622.55	0.08676414	0.00719954	0.00637638	0.08676
594981.84	4128615.88	0.07834988	0.00651675	0.00577264	0.07835
594988.83	4128606.35	0.07306566	0.00606664	0.00537325	0.07307
594988.51	4128641.61	0.07610998	0.00650807	0.00577632	0.07611
595001.53	4128630.49	0.06810558	0.00581282	0.00515857	0.06811
594813.87	4128831.08	0.04482103	0.00411626	0.00367109	0.04482
594828.18	4128830.83	0.04059894	0.00395531	0.00354068	0.04060
594852.69	4128831.18	0.03299024	0.00371592	0.0033538	0.03299
594610.06	4128785.72	0.0621934	0.00476277	0.0041927	0.06219
594592.81	4128786.36	0.05244624	0.00408553	0.00360133	0.05245
594611.14	4128819.74	0.05576119	0.00424407	0.00373428	0.05576
594589.57	4128819.84	0.04695582	0.00363317	0.00320089	0.04696
594588.48	4128835.99	0.04345444	0.00336958	0.00296918	0.04345
594612.24	4128836.53	0.05079322	0.00388255	0.00341734	0.05079
594574.44	4128791.98	0.04420929	0.00349415	0.00308347	0.04421
594577.14	4128779.29	0.04561132	0.00362578	0.00320103	0.04561
594550.94	4128790.9	0.03644606	0.00294522	0.00260341	0.03645
594557.96	4128779.56	0.03860253	0.00312534	0.00276301	0.03860
594537.98	4128785.23	0.03290208	0.00270123	0.00239053	0.03290
594527.72	4128780.37	0.03031502	0.00252188	0.00223395	0.03032
594571.47	4128835.72	0.03884751	0.00304647	0.0026868	0.03885
594554.99	4128827.89	0.03565083	0.0028297	0.00249792	0.03565
594540.68	4128821.41	0.0327786	0.00263385	0.00232719	0.03278
594521.24	4128816.28	0.02890588	0.00236279	0.00209034	0.02891
594500.45	4128816.01	0.02520587	0.00209472	0.00185543	0.02521
594482.9	4128816.01	0.02254643	0.00189975	0.0016844	0.02255
594512.33	4128784.69	0.02712996	0.00227956	0.00202074	0.02713
594518.81	4128769.84	0.0279946	0.00237084	0.00210284	0.02799
594490.46	4128781.18	0.0231458	0.00198836	0.00176537	0.02315
594463.46	4128816.55	0.02001574	0.00171193	0.00151947	0.02002
594474.8	4128788.2	0.02101424	0.00181837	0.00161525	0.02101
594569.94	4128717.94	0.03862832	0.00335098	0.00297718	0.03863

594576.93	4128700.78	0.03896879	0.00347573	0.00309386	0.03897
594562.95	4128701.42	0.03402678	0.00306405	0.00272914	0.03403
594567.4	4128690.62	0.03395149	0.00311621	0.00277909	0.03395
594569.3	4128677.59	0.03252389	0.00307052	0.00274329	0.03252
594651.12	4128634.24	0.07483143	0.00845536	0.00763263	0.07483
594638.83	4128633.85	0.06045906	0.00659015	0.00593755	0.06046
594618.73	4128637.95	0.04600926	0.00481457	0.00432801	0.04601
594599.61	4128635.02	0.03519321	0.00370035	0.00332729	0.03519
594577.18	4128634.44	0.02711684	0.0028749	0.00258625	0.02712
594557.86	4128635.02	0.02234189	0.00239144	0.00215248	0.02234
594542.45	4128643.61	0.02052853	0.00216301	0.00194517	0.02053
594541.86	4128632.1	0.01882744	0.00205945	0.00185586	0.01883
594531.43	4128643.7	0.01863468	0.00198077	0.00178216	0.01863
594530.84	4128632.19	0.01710025	0.00188685	0.00170112	0.01710
594540.11	4128655.31	0.02169419	0.00221379	0.0019872	0.02169
594518.69	4128738.15	0.02616094	0.00230226	0.00204746	0.02616
594499.87	4128737.46	0.02256165	0.00202202	0.00180044	0.02256
594472.79	4128739.52	0.01864562	0.00170833	0.00152334	0.01865
594513.64	4128720.93	0.02379755	0.0021597	0.00192463	0.02380
594512.27	4128702.11	0.02186892	0.00205395	0.00183446	0.02187
594510.66	4128692.01	0.02063063	0.00197943	0.00177026	0.02063
594477.61	4128716.57	0.01782222	0.00168455	0.00150514	0.01782
594478.52	4128700.28	0.01676969	0.00163115	0.00146002	0.01677
594478.75	4128690.18	0.01603523	0.00159132	0.0014261	0.01604
594477.26	4128678.47	0.01496662	0.00152599	0.00136973	0.01497
594477.49	4128668.37	0.01419513	0.00148239	0.00133243	0.01420
594512.95	4128634.86	0.01504161	0.00167097	0.00150703	0.01504
594493.21	4128634.4	0.01289244	0.00146067	0.00131873	0.01289
594479.9	4128636.24	0.01186001	0.00135272	0.00122169	0.01186
594520.41	4128546.93	0.00751205	0.00124869	0.00114601	0.00751
594506.37	4128547.06	0.00694654	0.0011513	0.00105653	0.00695
594490.43	4128547.26	0.00639433	0.00105742	0.0009703	0.00639
594543.41	4128516.78	0.00632995	0.00130337	0.00120424	0.00633
594528.11	4128515.67	0.00582072	0.00118335	0.00109296	0.00582
594514.07	4128515.8	0.00547042	0.00109421	0.00101016	0.00547
594498.14	4128516.01	0.00511763	0.00100812	0.00093026	0.00512
594521.34	4128494.93	0.00468774	0.00107804	0.00099896	0.00469
594492.14	4128494.79	0.00422127	0.00093269	0.00086339	0.00422
594507.26	4128495.18	0.00446661	0.00100377	0.0009296	0.00447
594596.96	4128603.83	0.02627445	0.00312248	0.00282589	0.02627
594597.02	4128588.09	0.02238169	0.00288317	0.00261931	0.02238
594576.88	4128589.98	0.01827213	0.00233956	0.00212486	0.01827
594553.64	4128588.55	0.01445374	0.00188241	0.00171098	0.01445
594538.01	4128588.04	0.01260864	0.00166048	0.00151002	0.01261
594516.04	4128591.11	0.01091129	0.00143566	0.00130552	0.01091
594513.59	4128574.71	0.00928594	0.0013251	0.00120915	0.00929
594493.57	4128590.27	0.00927548	0.00124332	0.00113154	0.00928
594760.51	4128824.14	0.07110986	0.00560079	0.0049412	0.07111
594520.63	4128867.68	0.02593008	0.00210303	0.00185946	0.02593
594503.08	4128867.68	0.02371805	0.00194284	0.00171909	0.02372
594483.64	4128868.22	0.02147097	0.00177895	0.00157538	0.02147
594520.63	4128893.02	0.02367152	0.0019294	0.00170657	0.02367
594503.08	4128893.02	0.02197791	0.00180527	0.00159768	0.02198
594483.64	4128893.56	0.02017931	0.001673	0.00148162	0.02018
594463.73	4128893.02	0.01852996	0.00155163	0.00137513	0.01853
594468.42	4128866.12	0.0199622	0.00166978	0.00147972	0.01996
594565.38	4128882.18	0.03005156	0.00239646	0.00211623	0.03005
594561.5	4128916.3	0.0242613	0.00197681	0.00174846	0.02426
594552.23	4128934.41	0.0212682	0.00175746	0.00155605	0.02127
594566.42	4128896.15	0.02782449	0.00223523	0.00197495	0.02782
594528.39	4128942.69	0.01922054	0.00160106	0.0014184	0.01922
594510.84	4128942.69	0.01838657	0.00153574	0.0013608	0.01839
594491.4	4128943.23	0.01738075	0.00145818	0.00129248	0.01738
594471.41	4128940.8	0.0165227	0.00139237	0.00123454	0.01652
594605.25	4128901.88	0.02983537	0.0023959	0.00211685	0.02984
594621.14	4128901.88	0.03068141	0.00246805	0.00218087	0.03068
594635.12	4128902.2	0.03106676	0.00250904	0.00221776	0.03107
594640.52	4128886.63	0.03634075	0.00288468	0.00254647	0.03634

594606.52	4128881.86	0.03511715	0.00276997	0.00244403	0.03512
594625.27	4128881.86	0.03700264	0.00291561	0.00257232	0.03700
594603.03	4128926.98	0.02439241	0.00200842	0.00177778	0.02439
594619.87	4128927.61	0.02458229	0.00203589	0.00180286	0.02458
594638.29	4128927.3	0.02469507	0.00206293	0.00182795	0.02470
594852.47	4128984.02	0.00817302	0.00123215	0.00112679	0.00817
594849.93	4128999.27	0.00755563	0.00114842	0.00105055	0.00756
594870.26	4128985.29	0.00748384	0.00123534	0.00113349	0.00748
594876.3	4129002.45	0.00661759	0.00114847	0.00105559	0.00662
594893.77	4129021.83	0.00556558	0.00107791	0.00099417	0.00557
594894.41	4129003.08	0.00610943	0.00116996	0.0010787	0.00611
595091.6	4128755.33	0.01467829	0.00245459	0.00225324	0.01468
595109.41	4128755.33	0.0130853	0.00221968	0.0020386	0.01309
595093.43	4128736.06	0.0174658	0.00250049	0.002282	0.01747
595111.25	4128736.06	0.01541799	0.00225655	0.00206121	0.01542
595029.54	4128756.5	0.02315205	0.00374656	0.00343524	0.02315
595046.67	4128741.76	0.02382487	0.00336892	0.00307299	0.02382
594992.37	4128751	0.0360782	0.00531513	0.00485627	0.03608
595004.01	4128740.39	0.03677485	0.00484839	0.00440927	0.03677
595130.48	4128770.73	0.01008959	0.00197563	0.00182274	0.01009
595129.26	4128740.39	0.01320325	0.00203507	0.00186263	0.01320
595153.5	4128684.24	0.01718083	0.00201302	0.00182053	0.01718
595153.04	4128700.7	0.01545163	0.00194513	0.00176525	0.01545
595176.21	4128770.73	0.00800301	0.00159981	0.0014769	0.00800
595177.13	4128794.07	0.00673983	0.00160993	0.00149323	0.00674
595158.31	4128805.34	0.00676319	0.0017771	0.00165187	0.00676
595152.35	4128779.19	0.00841941	0.00178111	0.00164687	0.00842
595180.8	4128815.43	0.00577751	0.00163017	0.00151757	0.00578
595204.2	4128820.02	0.00514227	0.00148558	0.00138363	0.00514
595140.88	4128720.46	0.0144413	0.00198527	0.00180874	0.01444
595166.57	4128720.46	0.01231877	0.00175073	0.00159728	0.01232
595172.54	4128700.27	0.01370622	0.00176878	0.00160704	0.01371
595195.48	4128710.82	0.01115647	0.00156226	0.00142445	0.01116
595189.05	4128689.72	0.01328477	0.00167235	0.00151769	0.01328
595204.65	4128688.34	0.01222811	0.00156297	0.00141942	0.01223
595195.94	4128735.6	0.00937018	0.00150567	0.00138021	0.00937
595175.75	4128744.32	0.00978136	0.00162536	0.0014917	0.00978
595202.36	4128779.64	0.00667374	0.00143866	0.0013309	0.00667
595203.74	4128760.37	0.00757298	0.00143211	0.0013199	0.00757
595216.58	4128741.56	0.00810783	0.00137773	0.00126541	0.00811
595217.96	4128723.67	0.00907531	0.00139668	0.00127826	0.00908
595219.34	4128702.56	0.01032197	0.00143211	0.00130528	0.01032
594850.37	4127951.3	0.00175337	0.00114614	0.00107926	0.00175
594852.13	4127935.04	0.0016466	0.00105834	0.00099643	0.00165
594898.07	4127967.2	0.00211014	0.00105518	0.00099096	0.00211
594931.28	4127981.33	0.00243025	0.00098621	0.00092376	0.00243
594934.82	4127965.79	0.00230322	0.00094343	0.0008838	0.00230
594899.13	4127944.23	0.00192854	0.00097751	0.00091817	0.00193
594898.78	4127930.8	0.00182487	0.00093316	0.00087659	0.00182
594934.46	4127945.65	0.00212383	0.00089761	0.00084124	0.00212
594928.81	4127927.62	0.00195122	0.0008633	0.00080957	0.00195
595340	4129093.59	0.0021909	0.00227563	0.0021497	0.00228
595349.49	4129109.17	0.00216376	0.00235049	0.00222094	0.00235
595373.19	4129128.81	0.0020259	0.00224299	0.00211957	0.00224
595405.7	4129155.9	0.00185867	0.00210715	0.00199145	0.00211
594828.06	4129208.24	0.0033366	0.00057454	0.00052794	0.00334
594853.46	4129207.91	0.00307213	0.00057652	0.00053122	0.00307
594825.42	4129228.03	0.00315481	0.00054693	0.00050268	0.00315
594850.82	4129227.7	0.00291304	0.00054863	0.00050559	0.00291
594827.4	4129248.81	0.0029406	0.00052043	0.00047865	0.00294
594852.8	4129248.48	0.00271863	0.00052225	0.00048156	0.00272
594896.99	4129195.71	0.00274524	0.00060719	0.00056209	0.00275
594922.38	4129195.38	0.00253344	0.00062305	0.00057828	0.00253
594891.71	4129220.12	0.00259019	0.00056767	0.00052538	0.00259
594917.11	4129219.79	0.0023859	0.00058	0.00053818	0.00239
594891.71	4129241.88	0.00242757	0.00053788	0.00049796	0.00243
594917.11	4129241.55	0.00223689	0.00054867	0.00050921	0.00224
594893.69	4129262.33	0.00227585	0.0005129	0.00047504	0.00228

594919.09	4129262	0.00209776	0.00052274	0.00048533	0.00210
594893.36	4129285.74	0.00213901	0.00048602	0.00045023	0.00214
594918.76	4129285.41	0.00197081	0.00049452	0.0004592	0.00197
594825.75	4129273.54	0.00274496	0.0004916	0.00045231	0.00274
594851.15	4129273.21	0.00254648	0.00049329	0.00045497	0.00255
594828.06	4129297.28	0.00254933	0.00046665	0.00042965	0.00255
594853.46	4129296.95	0.00236897	0.00046832	0.0004322	0.00237
595429.03	4129137.08	0.0016576	0.00164658	0.00155507	0.00166
595398.56	4129118.5	0.00180521	0.00178867	0.00168925	0.00181
595323.48	4128976.53	0.00227474	0.00141319	0.00133012	0.00227
595337.6	4128998.08	0.00214622	0.00143723	0.00135364	0.00215
595353.21	4129028.56	0.0020213	0.00150592	0.00141955	0.00202
594282.32	4128355.01	0.00136247	0.00052596	0.0004923	0.00136
594281.57	4128369.95	0.00143254	0.00051261	0.00047925	0.00143
594237.72	4128344.51	0.00125129	0.00050668	0.00047458	0.00125
594236.97	4128359.46	0.00130796	0.00049107	0.00045945	0.00131
594240.34	4128380.37	0.00140362	0.00047637	0.00044498	0.00140
594239.59	4128395.32	0.00147305	0.00046697	0.00043568	0.00147
594227.72	4128414.08	0.0015389	0.00044995	0.00041917	0.00154
595154.49	4128556.43	0.0257482	0.00232028	0.00206678	0.02575
595544.9	4129513.26	0.00200394	0.00343292	0.00324988	0.00343
595560.09	4129522.66	0.00207382	0.00362512	0.00343205	0.00363
595546.35	4129534.23	0.00145192	0.00219601	0.00207801	0.00220
595565.51	4129536.76	0.00161687	0.00260112	0.0024619	0.00260
595570.93	4129559.54	0.0010708	0.00138237	0.00130726	0.00138
595545.62	4129557.37	0.00106305	0.00133442	0.00126175	0.00133





























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## **A-3: Operational Health Risk Assessment Memo**

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## Memo

**Date:** March 13, 2019

**To:** Krinjal Mathur, Planner, City of San José

**From:** Jason Paukovits, Senior Air Quality Project Manager, FirstCarbon Solutions  
Ella Li, Air Quality Analyst, FirstCarbon Solutions

**Subject:** Operational Health Risk Assessment for the South Bascom Gateway Station

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### Purpose

The purpose of this technical memorandum is to provide a health risk assessment (HRA) to determine whether toxic air contaminant (TAC) emissions from emission sources within 1,000 feet from the South Bascom Gateway Station (project) site would exceed health risk thresholds of significance recommended by the Bay Area Air Quality Management District (BAAQMD). This analysis is provided consistent with Policy MS-11.1 of Envision San Jose 2040 that “requires completion of air quality modeling for sensitive land uses such as new residential developments that are located near sources of pollution such as freeways and industrial uses.” This report relied upon the guidance recommended by the BAAQMD and the California Office of Environmental Health Hazards Assessment (OEHHA).

### Summary of Results

On the basis of the assessment provided herein:

- **Individual Source Health Risks.** The impacts to the project’s residents would exceed the BAAQMD’s health risk significance threshold for cancer of 10 in a million and the particulate matter that is 2.5 micrometers in diameter and smaller (PM<sub>2.5</sub>) concentration threshold of 0.3 micrograms per cubic meter (µg/m<sup>3</sup>) for emissions associated with vehicles traveling on South Bascom Avenue. This impact is potentially significant. The project will require the installation of Minimum Efficiency Reporting Value (MERV) 13 filters, this impact would be reduced to less than significant.
- **Cumulative Health Risk Impact.** The cumulative health risk impacts from existing TAC emission sources located within 1,000 feet of the project site would not exceed the BAAQMD’s cumulative health risk significance thresholds. Impacts would be less than significant.

## Toxic Air Contaminants

Toxic Air Contaminants (TACs) are air pollutants present in miniscule amounts in the air that, if a person is exposed to them, could increase the chances of experiencing health problems. Health problems can include cancer, respiratory irritation, nervous system problems, and birth defects. Some health problems occur very soon after a person inhales a TAC. These immediate effects may be minor, such as watery eyes, or they may be serious, such as life-threatening lung damage. Other health problems may not appear until many months or years after a person's first exposure to the TAC. Cancer is one example of a delayed health problem.

The California Air Resources Board (ARB) conducted a 10-year research program that demonstrated that diesel particulate matter (DPM) from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic long-term health risk. Studies indicate that DPM poses the greatest health risk among airborne TACs. For purposes of this study, DPM exhaust emissions are represented as PM<sub>2.5</sub> emissions.

## Operational Health Risk Assessment

The BAAQMD recommends the preparation of a Health Risk Assessment (HRA) to assess the potential health impacts to new sensitive receptors sites to be located near substantial sources of TAC emissions. The project's future residential component is located in close proximity to two rail lines. One is the Union Pacific Diesel Rail line, located approximately 100 feet east of the project site. The other is the Light Rail Mountain View-Winchester line, which is also 100 feet east of the project site. Because the Light Rail is fully electrified, the light rail trains would not generate DPM emissions. Therefore, an HRA was prepared to assess the potential health impacts from Union Pacific diesel train on the future residents of the project.

The BAAQMD also recommends assessing the potential cumulative impacts from sources of TACs within 1,000 feet of a project. To develop the cumulative impact assessment, a screening level assessment was conducted to identify the existing TAC emission sources located within the 1,000-foot radius from the project and their corresponding health impacts as recommended by the BAAQMD. The screening analysis applied a series of internet-based screening tools developed by the BAAQMD to provide conservative estimates of how much existing TAC sources would contribute to cancer risk, chronic hazard index (HI), and/or fine particulate matter (PM<sub>2.5</sub>) concentrations in a community. These screening tools examined the potential impacts from BAAQMD-permitted stationary sources, local roadways, and freeways.

## BAAQMD Significance Thresholds

This analysis uses the BAAQMD 2017 Guidelines to evaluate the project's health risk impacts based on substantial evidence to support the validity of these thresholds. The BAAQMD recommended thresholds are presented in Table 1.



**Table 1: BAAQMD's Thresholds of Significance**

Pollutant	Operational Thresholds
<b>Health Risks and Hazards for New Sources</b>	
Excess Cancer Risk	10 per one million
Chronic or 1-hour Acute Hazard Index	1.0
Incremental annual average PM <sub>2.5</sub>	0.3 µg/m <sup>3</sup>
<b>Health Risks and Hazards for Sensitive Receptors (Cumulative from All Sources within 1,000-Foot Zone of Influence) and Cumulative Thresholds for New Sources</b>	
Excess Cancer Risk	100 per 1 million
Chronic Hazard Index	10.0
Annual Average PM <sub>2.5</sub>	0.8 µg/m <sup>3</sup>
µg/m <sup>3</sup> = micrograms per cubic meter Source: BAAQMD 2017.	

## Health Risk Assessment Methodology

An HRA is a guide that helps to determine whether current or future exposures to a chemical or substance in the environment could affect the health of a population. In general, risk is determined based on the following steps:

- Identify the TACs that may be present in the air;
- Estimate the amount of TACs released from all sources, or the source of particular concern, using air samples or emission models;
- Estimate concentrations of TACs in air in the geographic area of concern by using dispersion models with information about emissions, source locations, weather, and other factors; and

Thus, an HRA identifies the TACs that could affect public health, identifies the sources of the TAC emissions and quantifies the emissions, estimates where and the level of the emissions that are transported by prevailing meteorological conditions, and determines the potential health exposures to individuals affected by the TACs.

## Air Dispersion Modeling

An air dispersion model is a mathematical formulation used to estimate the air quality impacts at specific locations (receptors) surrounding a source of emissions given the rate of emissions and prevailing meteorological conditions. The air dispersion model applied in this assessment was the United States Environmental Protection Agency (EPA) AERMOD (version 18081) air dispersion model that is approved by the BAAQMD for air dispersion assessments. Specifically, the AERMOD model was used to estimate

levels of air emissions at sensitive receptor locations from operational DPM exhaust emissions. The use of the AERMOD model provides a refined methodology for estimating construction impacts by utilizing long-term, measured representative meteorological data for the project site and a representative construction schedule.

Terrain elevations were obtained for the project site using the AERMAP model, the AERMOD terrain data pre-processor. The urban dispersion option was used to describe the air dispersion in the local vicinity of the project. The air dispersion model assessment used meteorological data from San Jose International Airport, which is 3.6 miles north of the project site.

As previously discussed, the Union Pacific Railroad is located approximately 100 feet east of the project site. This major rail line generally runs parallel to the eastern boundary of the project site. Existing TAC sources of Union Pacific rail line are considered as Line Volume Sources. The release height for freight trains is 12 feet. Emission factors were obtained from the U.S. emission standards. This rail line is used by the Lehigh Hanson Cement Plant for freight transportation and was assumed to have one train pass by the project site each day. Rail locomotive emissions were derived from the frequency of rail traffic along the rail line, train speed, locomotive model, size, operational parameters, and emission factors.

### Estimation of Cancer Risk

Cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer as a direct result of exposure to potential carcinogens over a specified exposure duration. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in a million implies a likelihood (or risk) that up to 10 persons out of one million equally exposed people, would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer risk that is in addition to any environmental cancer risk borne by a person not exposed to these air toxics.

The OEHHA has developed guidance for estimating cancer risks that takes into account the increased sensitivity of infants and adults to TAC emissions, different breathing rates, and time spent at home. This guidance was applied in estimating cancer risks from surrounding sources during operation of the project.

The recommend method for the estimation of cancer risk is shown in the equations below with the cancer risk adjustment factors provided in Table 2 for several types of sensitive/residential receptors (infant, child, and adult).

$$\text{Cancer Risk} = C_{\text{DPM}} \times \text{Inhalation Exposure Factor} \quad (\text{EQ-1})$$

Where:

Cancer Risk = Total individual excess cancer risk defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular source for specified

exposure durations; this risk is defined as an excess risk because it is above and beyond the background cancer risk to the population; cancer risk is expressed in terms of risk per million exposed individuals.

$C_{DPM}$  = Period average DPM air concentration calculated from the air dispersion model ( $\mu\text{g}/\text{m}^3$ )

Inhalation is the most important exposure pathway to impact human health from DPM and the inhalation exposure factor is defined as follows:

$$\text{Inhalation Exposure Factor} = \text{CPF} \times \text{EF} \times \text{ED} \times \text{DBR} \times \text{AAF}/\text{AT} \quad (\text{EQ-2})$$

Where:

CPF = Inhalation cancer potency factor for the TAC:  $1.1 (\text{mg}/\text{kg}\text{-day})^{-1}$  for DPM

EF = Exposure frequency (days/year)

ED = Exposure duration (years of construction)

AAF = set of age-specific adjustment factors that include age sensitivity factors (ASF), daily breathing rates (DBR), and time at home factors (TAH)

AT = Averaging time period over which exposure is averaged (days)

The OEHHA-recommended values for the various cancer risk parameters shown in EQ 2, above, are provided in Table 2.

**Table 2: Exposure Assumptions for Cancer Risk**

Receptor Type	Exposure Frequency		Age Sensitivity Factors	Time at Home Factor (%)	Daily Breathing Rate <sup>(1)</sup> (l/kg-day)
	Hours/day	Days/year			
<b>Sensitive/Residential—Infant</b>					
3 <sup>rd</sup> Trimester	24	350	10	100	361
0–2 years	24	350	10	100	1,090
<b>Sensitive Receptor—Child</b>					
3–16 years	24	350	3	72	572
<b>Sensitive Receptor—Adult</b>					
> 16 to 30 years	24	350	1	73	261
Notes:					
<sup>(1)</sup> The daily breathing rates recommended by the BAAQMD for sensitive/residential receptors assume the 95 <sup>th</sup> percentile breathing rates for all individuals less than 2 years of age and 80 <sup>th</sup> percentile breathing rates for all older individuals. (l/kg-day) = liters per kilogram body weight per day					
Source: OEHHA 2015. Air Toxics Hot Spots Program. Risk Assessment Guidelines. Website: <a href="https://oehha.ca.gov/media/downloads/crnrr/2015guidancemanual.pdf">https://oehha.ca.gov/media/downloads/crnrr/2015guidancemanual.pdf</a>					

The project's health risk calculations for the Union Pacific rail line were performed using a spreadsheet tool consistent with the OEHHA and BAAQMD guidance, which incorporates the algorithms, equations, and variables described above.

To estimate the 30-year exposure cancer risks, annual average operational DPM impacts from the adjacent rail line were estimated for the year 2022. Operational DPM impacts were then linearly interpolated between these years to provide annual DPM impacts for all years from 2022 to 2052. The exposure parameters specific to the adult only exposure durations were then employed to estimate the cancer risk for the 30-year exposure duration. Total cancer risks were then estimated over the 30-year exposure duration as the sum of the cancer risks for each individual year.

### Estimation of Chronic Non-Cancer Risks

An evaluation of the potential non-cancer effects of chronic chemical exposures was also conducted. Adverse health effects are evaluated by comparing the annual receptor concentration of each chemical compound with the appropriate reference exposure level (REL). Available RELs promulgated by the OEHHA were considered in the assessment.

Risk characterization for non-cancer health hazards from TACs is expressed as a HI. The HI is a ratio of the predicted concentration of the project's emissions to a concentration considered acceptable to public health professionals, termed the REL.

To quantify non-carcinogenic impacts, the HI approach was used.

$$HI = C_{ann}/REL \quad (EQ-3)$$

Where:

HI = chronic hazard index

$C_{ann}$  = annual average concentration of TAC as derived from the air dispersion model ( $\mu\text{g}/\text{m}^3$ )

REL = reference exposure level above which a significant impact is assumed to occur ( $\mu\text{g}/\text{m}^3$ )

The HI assumes that chronic exposures to TACs adversely affect a specific organ or organ system (toxicological endpoint) of the body. For each discrete chemical exposure, target organs presented in regulatory guidance were used. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity REL. For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds 1, a health hazard is presumed to exist. The OEHHA has defined a REL for DPM of  $5 \mu\text{g}/\text{m}^3$ . The principal toxicological endpoint assumed in this assessment was through inhalation.

### Stationary Sources

The BAAQMD's Stationary Source Screening Analysis Tool was used to identify BAAQMD-permitted stationary sources of TAC emissions permitted by the BAAQMD within or near 1,000 feet of the project.

The Stationary Source Screening Analysis Tool provides conservative estimates of cancer risk, non-cancer hazard index, and annual PM<sub>2.5</sub>. Applying this screening tool indicated the presence of two stationary sources located within the 1,000 feet radius from the project site:

1. The Fashion Express Cleaners with Facility (ID 6007) is located approximately 220 feet west of the project site at 1375 South Bascom Avenue.
2. The New Bonded Cleaners with Facility (ID 16826) is located approximately 724 feet north of the project site at 1242 South Bascom Avenue.

According to the BAAQMD, Fashion Express Cleaners, replaced their existing perchloroethylene equipment in 2014, and the facility has not renewed their current permit.<sup>1</sup> In addition, an online search indicates that this facility is also reported as closed.<sup>2</sup> Therefore, although the screening tool includes this location, this analysis assumes that there are no longer any health risks associated with this facility.

Non co-residential dry cleaners must phase out use of perchloroethylene by January 1, 2023. Therefore, the risk from these dry cleaners does not need to be factored in over a 70-year period, but instead should reflect the number of years perchloroethylene use will continue after the project's residents take occupancy.

## Roadway Sources

The BAAQMD has developed a Roadway Screening Analysis Calculator that can be used to estimate health risks and hazard impacts from heavily traveled local roadways. The calculator estimates risks and hazards for local roadways having at least 10,000 vehicles per day. South Bascom Avenue, located 50 feet west of the project site, has an annual average daily traffic (AADT) volume of 28,800 vehicles. Southwest Expressway, located approximately 150 feet west of the project site, has an AADT volume of 6,500 vehicles.

The BAAQMD has also developed the Highway Screening Analysis Tool to estimate risk and hazard impacts from the freeways that pass throughout the BAAQMD. This tool incorporates the Google Earth program to identify the freeway segment source to be evaluated. There is no highway located within 1,000 feet of project boundary.

## Health Risk Assessment Results

Table 3 summarizes the results of the operational HRA. The table presents the highest cancer risk and non-cancer hazards at the maximum impacted sensitive receptor located within the project site.

As noted in Table 3, the cumulative health impacts to the future on-site residents from existing TAC emission sources located within 1,000 feet of the project would not exceed the BAAQMD's cumulative health significance thresholds. However, the impacts to the project's residents would exceed the

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<sup>1</sup> Bay Area Air Quality Management District (BAAQMD). Personal communication from John Foster on March 12, 2019.

<sup>2</sup> Yelp. 2019. Fashion Express Cleaners. Website: <https://www.yelp.com/biz/fashion-express-cleaners-san-jose>. Accessed March 12, 2019.

BAAQMD’s health risk significance threshold for cancer of 10 in a million and the PM<sub>2.5</sub> concentration threshold of 0.3 µg/m<sup>3</sup> for emissions associated with vehicles on South Bascom Avenue. Therefore, mitigation is required to reduce these impacts to less than significant.

**Table 3: Health Impacts at the Project Site during Operation**

Source	Source Type	Distance from Project (feet) <sup>(1)</sup>	Cancer Risk (per million)	Chronic Non-Cancer Hazards Index	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )
<b>Rail Line</b>					
Union Pacific Train <sup>(1)</sup>	DSL Train	100	0.10	<0.01	<0.01
<b>Existing Stationary Sources (BAAQMD Facility Number)</b>					
Fashion Express Cleaners	ND	220	N/A	N/A	N/A
New Bonded Cleaners	ND	724	7.49	0.02	0.00
<b>Local Roads (&gt;10,000 AADT)</b>					
South Bascom Avenue	Local Road	50	18.38	N/A	0.43
<b>Project-Level Health Risks</b>					
<b>Maximum Individual Source<sup>(2)</sup></b>			18.38	0.02	0.43
<b>BAAQMD Significance Threshold</b>			10	1	0.3
<b>Exceeds Individual Source Threshold?</b>			<b>Yes</b>	No	<b>Yes</b>
<b>Cumulative Health Risks</b>					
<b>Cumulative Total with Project Operation<sup>(2)</sup></b>			25.97	0.03	0.44
<b>BAAQMD Cumulative Thresholds of Significance</b>			100	10	0.8
<b>Threshold Exceedance?</b>			No	No	No
Notes:					
<sup>(1)</sup> Chronic non-cancer hazard index was estimated by dividing the annual DPM concentration (as PM <sub>2.5</sub> exhaust) by the REL of 5 µg/m <sup>3</sup> .					
<sup>(2)</sup> For future on-site residents.					
Source: FirstCarbon Solutions (FCS) 2019.					

Many heating/vacuum/air condition (HVAC) filters available in the United States are rated for their particle removal efficiency using a laboratory test procedure described in the American Society of Heating, Refrigerating, and Air Conditioning Engineers Standard 52.2-2012, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size. Minimum removal efficiency values in these three sized bins are used to assign HVAC filters a single efficiency metric MERV. In general, the higher the MERV for a filter, the greater the removal efficiency for one or more particle size bins. Average values for approximated outdoor-origin PM<sub>2.5</sub> removal efficiencies for several MERV-rated

filters were derived from Stephens, Brennan, and Harriman<sup>3</sup>. Single-pass outdoor-origin PM<sub>2.5</sub> removal efficiencies range from less than 10 percent for MERV 6 to over 95 percent for MERV 16 and high-efficiency particulate air (HEPA) filters.

To reduce the risk to future residents, the installation of MERV 13 filters to address cancer risks and PM<sub>2.5</sub> concentrations on the project site is required. MERV 13 filters would trap particles at an efficiency rate of 60 percent. After the installation and maintenance of an air filtration system rated at MERV 13, the cancer risk from South Bascom Avenue would be reduced to 7.35 in a million and the PM<sub>2.5</sub> concentration was estimated at 0.17 µg/m<sup>3</sup>. The mitigated results would be less than the BAAQMD recommended significance thresholds of 10 in a million and 0.3 µg/m<sup>3</sup>, respectively. Therefore, future residents of the project would not be exposed to substantial health risks. As a result, implementation of the following standard condition would reduce potential impacts to less than significant.

The applicant shall install high efficiency MERV filters with a rating of 13 in the intake of the residential ventilation systems. MERV 13 filters have a Particle Size Efficiency Rating that results in a 60 reduction of particulates in the 1.0 to 3.0 micron range, which includes PM<sub>2.5</sub>. To ensure long-term maintenance and replacement of the MERV filters in the individual units, the owner/property manager shall maintain and replace the MERV 13 filters in accordance with the manufacturer's recommendations, which typically is after 2 to 3 months.

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<sup>3</sup> Stephens, Brent, Terry Brennan and Lew Harriman. 2016. Selecting Ventilation Air Filters to Reduce PM<sub>2.5</sub> of Outdoor Origin. Website: [http://www.conforlab.com.br/wp-content/uploads/2016/10/2016Sep\\_012-021\\_HarrimanFiltersToReducePM2.5.pdf](http://www.conforlab.com.br/wp-content/uploads/2016/10/2016Sep_012-021_HarrimanFiltersToReducePM2.5.pdf).

Krinjal Mathur  
March 13, 2019

**Attachment A:  
AERMOD Output**



```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.1
** Lakes Environmental Software Inc.
** Date: 3/11/2019
** File: C:\Users\xli\Desktop\5026.0001 South Bascom\rail\rail.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\xli\Desktop\5026.0001 South Bascom\rail\rail.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 10000
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL rail.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC rail line
** PREFIX
** Length of Side = 5.00
** Configuration = Adjacent
** Emission Rate = 1.0
** Elevated
** Vertical Dimension = 3.66
** SZINIT = 0.85
** Nodes = 3
** 595363.722, 4129273.532, 47.23, 3.66, 2.33
** 594837.773, 4128653.309, 51.18, 3.66, 2.33
** 594311.824, 4128050.453, 55.15, 3.66, 2.33

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LOCATION	L0000001	VOLUME	595362.105	4129271.625	47.24
LOCATION	L0000002	VOLUME	595358.871	4129267.812	47.24
LOCATION	L0000003	VOLUME	595355.638	4129263.998	47.24
LOCATION	L0000004	VOLUME	595352.404	4129260.185	47.24
LOCATION	L0000005	VOLUME	595349.170	4129256.371	47.24
LOCATION	L0000006	VOLUME	595345.936	4129252.558	47.24
LOCATION	L0000007	VOLUME	595342.702	4129248.744	47.24
LOCATION	L0000008	VOLUME	595339.468	4129244.931	47.21
LOCATION	L0000009	VOLUME	595336.235	4129241.117	47.19
LOCATION	L0000010	VOLUME	595333.001	4129237.304	47.17
LOCATION	L0000011	VOLUME	595329.767	4129233.490	47.17
LOCATION	L0000012	VOLUME	595326.533	4129229.677	47.17
LOCATION	L0000013	VOLUME	595323.299	4129225.864	47.18
LOCATION	L0000014	VOLUME	595320.066	4129222.050	47.20
LOCATION	L0000015	VOLUME	595316.832	4129218.237	47.23
LOCATION	L0000016	VOLUME	595313.598	4129214.423	47.24
LOCATION	L0000017	VOLUME	595310.364	4129210.610	47.09
LOCATION	L0000018	VOLUME	595307.130	4129206.796	46.92
LOCATION	L0000019	VOLUME	595303.897	4129202.983	46.76
LOCATION	L0000020	VOLUME	595300.663	4129199.169	46.63
LOCATION	L0000021	VOLUME	595297.429	4129195.356	46.51
LOCATION	L0000022	VOLUME	595294.195	4129191.542	46.41
LOCATION	L0000023	VOLUME	595290.961	4129187.729	46.32
LOCATION	L0000024	VOLUME	595287.728	4129183.916	46.30
LOCATION	L0000025	VOLUME	595284.494	4129180.102	46.33
LOCATION	L0000026	VOLUME	595281.260	4129176.289	46.34
LOCATION	L0000027	VOLUME	595278.026	4129172.475	46.33
LOCATION	L0000028	VOLUME	595274.792	4129168.662	46.34
LOCATION	L0000029	VOLUME	595271.558	4129164.848	46.37
LOCATION	L0000030	VOLUME	595268.325	4129161.035	46.41
LOCATION	L0000031	VOLUME	595265.091	4129157.221	46.47
LOCATION	L0000032	VOLUME	595261.857	4129153.408	46.47
LOCATION	L0000033	VOLUME	595258.623	4129149.594	46.48
LOCATION	L0000034	VOLUME	595255.389	4129145.781	46.52
LOCATION	L0000035	VOLUME	595252.156	4129141.968	46.61
LOCATION	L0000036	VOLUME	595248.922	4129138.154	46.76
LOCATION	L0000037	VOLUME	595245.688	4129134.341	46.94
LOCATION	L0000038	VOLUME	595242.454	4129130.527	47.14
LOCATION	L0000039	VOLUME	595239.220	4129126.714	47.37
LOCATION	L0000040	VOLUME	595235.987	4129122.900	47.55
LOCATION	L0000041	VOLUME	595232.753	4129119.087	47.73
LOCATION	L0000042	VOLUME	595229.519	4129115.273	47.92
LOCATION	L0000043	VOLUME	595226.285	4129111.460	48.11
LOCATION	L0000044	VOLUME	595223.051	4129107.646	48.31
LOCATION	L0000045	VOLUME	595219.817	4129103.833	48.44
LOCATION	L0000046	VOLUME	595216.584	4129100.019	48.56
LOCATION	L0000047	VOLUME	595213.350	4129096.206	48.67
LOCATION	L0000048	VOLUME	595210.116	4129092.393	48.65
LOCATION	L0000049	VOLUME	595206.882	4129088.579	48.65
LOCATION	L0000050	VOLUME	595203.648	4129084.766	48.65

LOCATION	L0000051	VOLUME	595200.415	4129080.952	48.66
LOCATION	L0000052	VOLUME	595197.181	4129077.139	48.67
LOCATION	L0000053	VOLUME	595193.947	4129073.325	48.70
LOCATION	L0000054	VOLUME	595190.713	4129069.512	48.74
LOCATION	L0000055	VOLUME	595187.479	4129065.698	48.77
LOCATION	L0000056	VOLUME	595184.246	4129061.885	48.77
LOCATION	L0000057	VOLUME	595181.012	4129058.071	48.77
LOCATION	L0000058	VOLUME	595177.778	4129054.258	48.77
LOCATION	L0000059	VOLUME	595174.544	4129050.445	48.77
LOCATION	L0000060	VOLUME	595171.310	4129046.631	48.77
LOCATION	L0000061	VOLUME	595168.076	4129042.818	48.77
LOCATION	L0000062	VOLUME	595164.843	4129039.004	48.77
LOCATION	L0000063	VOLUME	595161.609	4129035.191	48.77
LOCATION	L0000064	VOLUME	595158.375	4129031.377	48.77
LOCATION	L0000065	VOLUME	595155.141	4129027.564	48.77
LOCATION	L0000066	VOLUME	595151.907	4129023.750	48.77
LOCATION	L0000067	VOLUME	595148.674	4129019.937	48.77
LOCATION	L0000068	VOLUME	595145.440	4129016.123	48.77
LOCATION	L0000069	VOLUME	595142.206	4129012.310	48.77
LOCATION	L0000070	VOLUME	595138.972	4129008.496	48.77
LOCATION	L0000071	VOLUME	595135.738	4129004.683	48.77
LOCATION	L0000072	VOLUME	595132.505	4129000.870	48.77
LOCATION	L0000073	VOLUME	595129.271	4128997.056	48.81
LOCATION	L0000074	VOLUME	595126.037	4128993.243	48.84
LOCATION	L0000075	VOLUME	595122.803	4128989.429	48.87
LOCATION	L0000076	VOLUME	595119.569	4128985.616	48.91
LOCATION	L0000077	VOLUME	595116.335	4128981.802	48.94
LOCATION	L0000078	VOLUME	595113.102	4128977.989	48.97
LOCATION	L0000079	VOLUME	595109.868	4128974.175	49.01
LOCATION	L0000080	VOLUME	595106.634	4128970.362	49.04
LOCATION	L0000081	VOLUME	595103.400	4128966.548	49.07
LOCATION	L0000082	VOLUME	595100.166	4128962.735	49.10
LOCATION	L0000083	VOLUME	595096.933	4128958.922	49.14
LOCATION	L0000084	VOLUME	595093.699	4128955.108	49.17
LOCATION	L0000085	VOLUME	595090.465	4128951.295	49.20
LOCATION	L0000086	VOLUME	595087.231	4128947.481	49.23
LOCATION	L0000087	VOLUME	595083.997	4128943.668	49.28
LOCATION	L0000088	VOLUME	595080.764	4128939.854	49.32
LOCATION	L0000089	VOLUME	595077.530	4128936.041	49.35
LOCATION	L0000090	VOLUME	595074.296	4128932.227	49.37
LOCATION	L0000091	VOLUME	595071.062	4128928.414	49.39
LOCATION	L0000092	VOLUME	595067.828	4128924.600	49.42
LOCATION	L0000093	VOLUME	595064.594	4128920.787	49.45
LOCATION	L0000094	VOLUME	595061.361	4128916.974	49.50
LOCATION	L0000095	VOLUME	595058.127	4128913.160	49.53
LOCATION	L0000096	VOLUME	595054.893	4128909.347	49.56
LOCATION	L0000097	VOLUME	595051.659	4128905.533	49.60
LOCATION	L0000098	VOLUME	595048.425	4128901.720	49.63
LOCATION	L0000099	VOLUME	595045.192	4128897.906	49.66
LOCATION	L0000100	VOLUME	595041.958	4128894.093	49.68
LOCATION	L0000101	VOLUME	595038.724	4128890.279	49.68
LOCATION	L0000102	VOLUME	595035.490	4128886.466	49.68

LOCATION	L0000103	VOLUME	595032.256	4128882.652	49.68
LOCATION	L0000104	VOLUME	595029.023	4128878.839	49.68
LOCATION	L0000105	VOLUME	595025.789	4128875.025	49.68
LOCATION	L0000106	VOLUME	595022.555	4128871.212	49.68
LOCATION	L0000107	VOLUME	595019.321	4128867.399	49.68
LOCATION	L0000108	VOLUME	595016.087	4128863.585	49.68
LOCATION	L0000109	VOLUME	595012.853	4128859.772	49.69
LOCATION	L0000110	VOLUME	595009.620	4128855.958	49.72
LOCATION	L0000111	VOLUME	595006.386	4128852.145	49.75
LOCATION	L0000112	VOLUME	595003.152	4128848.331	49.78
LOCATION	L0000113	VOLUME	594999.918	4128844.518	49.82
LOCATION	L0000114	VOLUME	594996.684	4128840.704	49.85
LOCATION	L0000115	VOLUME	594993.451	4128836.891	49.88
LOCATION	L0000116	VOLUME	594990.217	4128833.077	49.92
LOCATION	L0000117	VOLUME	594986.983	4128829.264	49.95
LOCATION	L0000118	VOLUME	594983.749	4128825.451	49.98
LOCATION	L0000119	VOLUME	594980.515	4128821.637	50.01
LOCATION	L0000120	VOLUME	594977.282	4128817.824	50.05
LOCATION	L0000121	VOLUME	594974.048	4128814.010	50.08
LOCATION	L0000122	VOLUME	594970.814	4128810.197	50.11
LOCATION	L0000123	VOLUME	594967.580	4128806.383	50.15
LOCATION	L0000124	VOLUME	594964.346	4128802.570	50.18
LOCATION	L0000125	VOLUME	594961.112	4128798.756	50.21
LOCATION	L0000126	VOLUME	594957.879	4128794.943	50.24
LOCATION	L0000127	VOLUME	594954.645	4128791.129	50.28
LOCATION	L0000128	VOLUME	594951.411	4128787.316	50.29
LOCATION	L0000129	VOLUME	594948.177	4128783.502	50.29
LOCATION	L0000130	VOLUME	594944.943	4128779.689	50.29
LOCATION	L0000131	VOLUME	594941.710	4128775.876	50.29
LOCATION	L0000132	VOLUME	594938.476	4128772.062	50.29
LOCATION	L0000133	VOLUME	594935.242	4128768.249	50.29
LOCATION	L0000134	VOLUME	594932.008	4128764.435	50.29
LOCATION	L0000135	VOLUME	594928.774	4128760.622	50.29
LOCATION	L0000136	VOLUME	594925.541	4128756.808	50.29
LOCATION	L0000137	VOLUME	594922.307	4128752.995	50.30
LOCATION	L0000138	VOLUME	594919.073	4128749.181	50.33
LOCATION	L0000139	VOLUME	594915.839	4128745.368	50.37
LOCATION	L0000140	VOLUME	594912.605	4128741.554	50.40
LOCATION	L0000141	VOLUME	594909.371	4128737.741	50.43
LOCATION	L0000142	VOLUME	594906.138	4128733.928	50.48
LOCATION	L0000143	VOLUME	594902.904	4128730.114	50.52
LOCATION	L0000144	VOLUME	594899.670	4128726.301	50.55
LOCATION	L0000145	VOLUME	594896.436	4128722.487	50.58
LOCATION	L0000146	VOLUME	594893.202	4128718.674	50.60
LOCATION	L0000147	VOLUME	594889.969	4128714.860	50.63
LOCATION	L0000148	VOLUME	594886.735	4128711.047	50.66
LOCATION	L0000149	VOLUME	594883.501	4128707.233	50.69
LOCATION	L0000150	VOLUME	594880.267	4128703.420	50.73
LOCATION	L0000151	VOLUME	594877.033	4128699.606	50.76
LOCATION	L0000152	VOLUME	594873.800	4128695.793	50.79
LOCATION	L0000153	VOLUME	594870.566	4128691.980	50.83
LOCATION	L0000154	VOLUME	594867.332	4128688.166	50.86

LOCATION	L0000155	VOLUME	594864.098	4128684.353	50.89
LOCATION	L0000156	VOLUME	594860.864	4128680.539	50.90
LOCATION	L0000157	VOLUME	594857.630	4128676.726	50.90
LOCATION	L0000158	VOLUME	594854.397	4128672.912	50.91
LOCATION	L0000159	VOLUME	594851.163	4128669.099	50.93
LOCATION	L0000160	VOLUME	594847.929	4128665.285	50.96
LOCATION	L0000161	VOLUME	594844.695	4128661.472	51.00
LOCATION	L0000162	VOLUME	594841.461	4128657.658	51.04
LOCATION	L0000163	VOLUME	594838.228	4128653.845	51.09
LOCATION	L0000164	VOLUME	594834.948	4128650.071	51.15
LOCATION	L0000165	VOLUME	594831.661	4128646.303	51.21
LOCATION	L0000166	VOLUME	594828.374	4128642.535	51.21
LOCATION	L0000167	VOLUME	594825.087	4128638.768	51.21
LOCATION	L0000168	VOLUME	594821.800	4128635.000	51.21
LOCATION	L0000169	VOLUME	594818.513	4128631.232	51.21
LOCATION	L0000170	VOLUME	594815.226	4128627.465	51.21
LOCATION	L0000171	VOLUME	594811.939	4128623.697	51.21
LOCATION	L0000172	VOLUME	594808.652	4128619.929	51.21
LOCATION	L0000173	VOLUME	594805.365	4128616.162	51.21
LOCATION	L0000174	VOLUME	594802.078	4128612.394	51.22
LOCATION	L0000175	VOLUME	594798.791	4128608.626	51.25
LOCATION	L0000176	VOLUME	594795.504	4128604.859	51.28
LOCATION	L0000177	VOLUME	594792.217	4128601.091	51.32
LOCATION	L0000178	VOLUME	594788.930	4128597.323	51.35
LOCATION	L0000179	VOLUME	594785.643	4128593.556	51.38
LOCATION	L0000180	VOLUME	594782.356	4128589.788	51.42
LOCATION	L0000181	VOLUME	594779.069	4128586.020	51.46
LOCATION	L0000182	VOLUME	594775.782	4128582.253	51.53
LOCATION	L0000183	VOLUME	594772.494	4128578.485	51.59
LOCATION	L0000184	VOLUME	594769.207	4128574.717	51.63
LOCATION	L0000185	VOLUME	594765.920	4128570.950	51.67
LOCATION	L0000186	VOLUME	594762.633	4128567.182	51.71
LOCATION	L0000187	VOLUME	594759.346	4128563.414	51.75
LOCATION	L0000188	VOLUME	594756.059	4128559.646	51.78
LOCATION	L0000189	VOLUME	594752.772	4128555.879	51.82
LOCATION	L0000190	VOLUME	594749.485	4128552.111	51.82
LOCATION	L0000191	VOLUME	594746.198	4128548.343	51.82
LOCATION	L0000192	VOLUME	594742.911	4128544.576	51.82
LOCATION	L0000193	VOLUME	594739.624	4128540.808	51.82
LOCATION	L0000194	VOLUME	594736.337	4128537.040	51.82
LOCATION	L0000195	VOLUME	594733.050	4128533.273	51.82
LOCATION	L0000196	VOLUME	594729.763	4128529.505	51.82
LOCATION	L0000197	VOLUME	594726.476	4128525.737	51.82
LOCATION	L0000198	VOLUME	594723.189	4128521.970	51.82
LOCATION	L0000199	VOLUME	594719.902	4128518.202	51.82
LOCATION	L0000200	VOLUME	594716.615	4128514.434	51.82
LOCATION	L0000201	VOLUME	594713.328	4128510.667	51.82
LOCATION	L0000202	VOLUME	594710.041	4128506.899	51.82
LOCATION	L0000203	VOLUME	594706.754	4128503.131	51.82
LOCATION	L0000204	VOLUME	594703.467	4128499.364	51.82
LOCATION	L0000205	VOLUME	594700.180	4128495.596	51.79
LOCATION	L0000206	VOLUME	594696.893	4128491.828	51.71

LOCATION	L0000207	VOLUME	594693.606	4128488.060	51.67
LOCATION	L0000208	VOLUME	594690.319	4128484.293	51.67
LOCATION	L0000209	VOLUME	594687.032	4128480.525	51.71
LOCATION	L0000210	VOLUME	594683.745	4128476.757	51.80
LOCATION	L0000211	VOLUME	594680.458	4128472.990	51.88
LOCATION	L0000212	VOLUME	594677.171	4128469.222	51.98
LOCATION	L0000213	VOLUME	594673.884	4128465.454	52.10
LOCATION	L0000214	VOLUME	594670.597	4128461.687	52.24
LOCATION	L0000215	VOLUME	594667.309	4128457.919	52.39
LOCATION	L0000216	VOLUME	594664.022	4128454.151	52.56
LOCATION	L0000217	VOLUME	594660.735	4128450.384	52.74
LOCATION	L0000218	VOLUME	594657.448	4128446.616	52.95
LOCATION	L0000219	VOLUME	594654.161	4128442.848	53.16
LOCATION	L0000220	VOLUME	594650.874	4128439.081	53.29
LOCATION	L0000221	VOLUME	594647.587	4128435.313	53.29
LOCATION	L0000222	VOLUME	594644.300	4128431.545	53.16
LOCATION	L0000223	VOLUME	594641.013	4128427.778	53.08
LOCATION	L0000224	VOLUME	594637.726	4128424.010	53.03
LOCATION	L0000225	VOLUME	594634.439	4128420.242	53.03
LOCATION	L0000226	VOLUME	594631.152	4128416.475	53.07
LOCATION	L0000227	VOLUME	594627.865	4128412.707	53.15
LOCATION	L0000228	VOLUME	594624.578	4128408.939	53.27
LOCATION	L0000229	VOLUME	594621.291	4128405.171	53.03
LOCATION	L0000230	VOLUME	594618.004	4128401.404	52.27
LOCATION	L0000231	VOLUME	594614.717	4128397.636	51.72
LOCATION	L0000232	VOLUME	594611.430	4128393.868	51.39
LOCATION	L0000233	VOLUME	594608.143	4128390.101	51.26
LOCATION	L0000234	VOLUME	594604.856	4128386.333	51.34
LOCATION	L0000235	VOLUME	594601.569	4128382.565	51.63
LOCATION	L0000236	VOLUME	594598.282	4128378.798	52.14
LOCATION	L0000237	VOLUME	594594.995	4128375.030	52.45
LOCATION	L0000238	VOLUME	594591.708	4128371.262	51.82
LOCATION	L0000239	VOLUME	594588.421	4128367.495	51.03
LOCATION	L0000240	VOLUME	594585.134	4128363.727	50.49
LOCATION	L0000241	VOLUME	594581.847	4128359.959	50.20
LOCATION	L0000242	VOLUME	594578.560	4128356.192	50.16
LOCATION	L0000243	VOLUME	594575.273	4128352.424	50.37
LOCATION	L0000244	VOLUME	594571.986	4128348.656	50.84
LOCATION	L0000245	VOLUME	594568.699	4128344.889	51.31
LOCATION	L0000246	VOLUME	594565.412	4128341.121	51.39
LOCATION	L0000247	VOLUME	594562.124	4128337.353	51.10
LOCATION	L0000248	VOLUME	594558.837	4128333.586	50.53
LOCATION	L0000249	VOLUME	594555.550	4128329.818	50.18
LOCATION	L0000250	VOLUME	594552.263	4128326.050	50.03
LOCATION	L0000251	VOLUME	594548.976	4128322.282	50.09
LOCATION	L0000252	VOLUME	594545.689	4128318.515	50.37
LOCATION	L0000253	VOLUME	594542.402	4128314.747	50.65
LOCATION	L0000254	VOLUME	594539.115	4128310.979	50.65
LOCATION	L0000255	VOLUME	594535.828	4128307.212	50.47
LOCATION	L0000256	VOLUME	594532.541	4128303.444	50.11
LOCATION	L0000257	VOLUME	594529.254	4128299.676	49.71
LOCATION	L0000258	VOLUME	594525.967	4128295.909	49.48

LOCATION	L0000259	VOLUME	594522.680	4128292.141	49.41
LOCATION	L0000260	VOLUME	594519.393	4128288.373	49.51
LOCATION	L0000261	VOLUME	594516.106	4128284.606	50.09
LOCATION	L0000262	VOLUME	594512.819	4128280.838	50.97
LOCATION	L0000263	VOLUME	594509.532	4128277.070	51.82
LOCATION	L0000264	VOLUME	594506.245	4128273.303	52.62
LOCATION	L0000265	VOLUME	594502.958	4128269.535	53.35
LOCATION	L0000266	VOLUME	594499.671	4128265.767	53.51
LOCATION	L0000267	VOLUME	594496.384	4128262.000	53.67
LOCATION	L0000268	VOLUME	594493.097	4128258.232	53.84
LOCATION	L0000269	VOLUME	594489.810	4128254.464	53.69
LOCATION	L0000270	VOLUME	594486.523	4128250.697	53.36
LOCATION	L0000271	VOLUME	594483.236	4128246.929	53.21
LOCATION	L0000272	VOLUME	594479.949	4128243.161	53.23
LOCATION	L0000273	VOLUME	594476.662	4128239.393	53.41
LOCATION	L0000274	VOLUME	594473.375	4128235.626	53.76
LOCATION	L0000275	VOLUME	594470.088	4128231.858	53.70
LOCATION	L0000276	VOLUME	594466.801	4128228.090	53.66
LOCATION	L0000277	VOLUME	594463.514	4128224.323	53.69
LOCATION	L0000278	VOLUME	594460.227	4128220.555	53.79
LOCATION	L0000279	VOLUME	594456.939	4128216.787	53.92
LOCATION	L0000280	VOLUME	594453.652	4128213.020	54.08
LOCATION	L0000281	VOLUME	594450.365	4128209.252	54.27
LOCATION	L0000282	VOLUME	594447.078	4128205.484	54.50
LOCATION	L0000283	VOLUME	594443.791	4128201.717	54.76
LOCATION	L0000284	VOLUME	594440.504	4128197.949	54.85
LOCATION	L0000285	VOLUME	594437.217	4128194.181	54.86
LOCATION	L0000286	VOLUME	594433.930	4128190.414	54.86
LOCATION	L0000287	VOLUME	594430.643	4128186.646	54.86
LOCATION	L0000288	VOLUME	594427.356	4128182.878	54.86
LOCATION	L0000289	VOLUME	594424.069	4128179.111	54.86
LOCATION	L0000290	VOLUME	594420.782	4128175.343	54.86
LOCATION	L0000291	VOLUME	594417.495	4128171.575	54.86
LOCATION	L0000292	VOLUME	594414.208	4128167.808	54.86
LOCATION	L0000293	VOLUME	594410.921	4128164.040	54.79
LOCATION	L0000294	VOLUME	594407.634	4128160.272	54.71
LOCATION	L0000295	VOLUME	594404.347	4128156.504	54.65
LOCATION	L0000296	VOLUME	594401.060	4128152.737	54.61
LOCATION	L0000297	VOLUME	594397.773	4128148.969	54.60
LOCATION	L0000298	VOLUME	594394.486	4128145.201	54.62
LOCATION	L0000299	VOLUME	594391.199	4128141.434	54.66
LOCATION	L0000300	VOLUME	594387.912	4128137.666	54.72
LOCATION	L0000301	VOLUME	594384.625	4128133.898	54.71
LOCATION	L0000302	VOLUME	594381.338	4128130.131	54.62
LOCATION	L0000303	VOLUME	594378.051	4128126.363	54.52
LOCATION	L0000304	VOLUME	594374.764	4128122.595	54.46
LOCATION	L0000305	VOLUME	594371.477	4128118.828	54.43
LOCATION	L0000306	VOLUME	594368.190	4128115.060	54.43
LOCATION	L0000307	VOLUME	594364.903	4128111.292	54.46
LOCATION	L0000308	VOLUME	594361.616	4128107.525	54.53
LOCATION	L0000309	VOLUME	594358.329	4128103.757	54.64
LOCATION	L0000310	VOLUME	594355.042	4128099.989	54.77

LOCATION	L0000311	VOLUME	594351.754	4128096.222	54.87
LOCATION	L0000312	VOLUME	594348.467	4128092.454	54.89
LOCATION	L0000313	VOLUME	594345.180	4128088.686	54.91
LOCATION	L0000314	VOLUME	594341.893	4128084.919	54.95
LOCATION	L0000315	VOLUME	594338.606	4128081.151	54.99
LOCATION	L0000316	VOLUME	594335.319	4128077.383	55.04
LOCATION	L0000317	VOLUME	594332.032	4128073.615	55.08
LOCATION	L0000318	VOLUME	594328.745	4128069.848	55.11
LOCATION	L0000319	VOLUME	594325.458	4128066.080	55.15
LOCATION	L0000320	VOLUME	594322.171	4128062.312	55.16
LOCATION	L0000321	VOLUME	594318.884	4128058.545	55.15
LOCATION	L0000322	VOLUME	594315.597	4128054.777	55.15
LOCATION	L0000323	VOLUME	594312.310	4128051.009	55.15

\*\* End of LINE VOLUME Source ID = SLINE1

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	0.0030959752	3.66	2.33	0.85
SRCPARAM	L0000002	0.0030959752	3.66	2.33	0.85
SRCPARAM	L0000003	0.0030959752	3.66	2.33	0.85
SRCPARAM	L0000004	0.0030959752	3.66	2.33	0.85
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SRCPARAM	L0000006	0.0030959752	3.66	2.33	0.85
SRCPARAM	L0000007	0.0030959752	3.66	2.33	0.85
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SRCPARAM	L0000009	0.0030959752	3.66	2.33	0.85
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SRCPARAM	L0000297	0.0030959752	3.66	2.33	0.85
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SRCPARAM	L0000322	0.0030959752	3.66	2.33	0.85
SRCPARAM	L0000323	0.0030959752	3.66	2.33	0.85

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SO FINISHED

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\*\* AERMOD Receptor Pathway

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RE STARTING

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RE FINISHED
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*****
** AERMOD Meteorology Pathway
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**
ME STARTING
SURFFILE 724946\724946.SFC
PROFFILE 724946\724946.PFL
SURFDATA 93232 2009
UAIRDATA 23230 2009 OAKLAND/WSO_AP
PROFBASE 40.5 METERS
ME FINISHED
**
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** AERMOD Output Pathway
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OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL rail.AD\AN00GALL.PLT 31
PLOTFILE ANNUAL SRCGP1 rail.AD\AN00G001.PLT 32
SUMMFILE rail.sum
OU FINISHED
```

\*\*\* Message Summary For AERMOD Model Setup \*\*\*

----- Summary of Total Messages -----

```
A Total of          0 Fatal Error Message(s)
A Total of          1 Warning Message(s)
A Total of          0 Informational Message(s)
```

```
***** FATAL ERROR MESSAGES *****
*** NONE ***
```

```
***** WARNING MESSAGES *****
CO W320      22      URBOPT: Input Parameter May Be Out-of-Range for
Parameter   URB-POP
```

```
*****
*** SETUP Finishes Successfully ***
*****
```

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\*\* C:\Users\xli\Desktop\5026.0001  
South Bascom\rail\rail.isc \*\*\* 03/11/19  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 22:57:25

PAGE 1

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* MODEL SETUP

OPTIONS SUMMARY \*\*\*

-----  
\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 323  
Source(s),

for Total of 1 Urban Area(s):

Urban Population = 10000.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 323 Source(s); 2 Source Group(s); and  
238 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 323 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)



and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 14134

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor  
Model Outputs External File(s) of High Values for Plotting  
(PLOTFILE Keyword)  
Model Outputs Separate Summary File of High Ranked Values  
(SUMMFILE Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for  
Calm Hours  
m for  
Missing Hours  
b for  
Both Calm and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =  
40.50 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0  
Emission Units =  
GRAMS/SEC ; Emission Rate Unit Factor  
= 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.7 MB of RAM.

\*\*Input Runstream File: aermod.inp  
\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: rail.err  
\*\*File for Summary of Results: rail.sum

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Users\xli\Desktop\5026.0001  
South Bascom\rail\rail.isc \*\*\* 03/11/19  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 22:57:25

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* VOLUME SOURCE

DATA \*\*\*

NUMBER EMISSION RATE BASE RELEASE  
INIT. INIT. URBAN EMISSION RATE

SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000001		0	0.30960E-02	595362.1	4129271.6	47.2	3.66
2.33	0.85	YES					
L0000002		0	0.30960E-02	595358.9	4129267.8	47.2	3.66
2.33	0.85	YES					
L0000003		0	0.30960E-02	595355.6	4129264.0	47.2	3.66
2.33	0.85	YES					
L0000004		0	0.30960E-02	595352.4	4129260.2	47.2	3.66
2.33	0.85	YES					
L0000005		0	0.30960E-02	595349.2	4129256.4	47.2	3.66
2.33	0.85	YES					
L0000006		0	0.30960E-02	595345.9	4129252.6	47.2	3.66
2.33	0.85	YES					
L0000007		0	0.30960E-02	595342.7	4129248.7	47.2	3.66
2.33	0.85	YES					
L0000008		0	0.30960E-02	595339.5	4129244.9	47.2	3.66
2.33	0.85	YES					
L0000009		0	0.30960E-02	595336.2	4129241.1	47.2	3.66
2.33	0.85	YES					
L0000010		0	0.30960E-02	595333.0	4129237.3	47.2	3.66
2.33	0.85	YES					
L0000011		0	0.30960E-02	595329.8	4129233.5	47.2	3.66
2.33	0.85	YES					
L0000012		0	0.30960E-02	595326.5	4129229.7	47.2	3.66
2.33	0.85	YES					
L0000013		0	0.30960E-02	595323.3	4129225.9	47.2	3.66
2.33	0.85	YES					
L0000014		0	0.30960E-02	595320.1	4129222.0	47.2	3.66
2.33	0.85	YES					
L0000015		0	0.30960E-02	595316.8	4129218.2	47.2	3.66
2.33	0.85	YES					
L0000016		0	0.30960E-02	595313.6	4129214.4	47.2	3.66
2.33	0.85	YES					
L0000017		0	0.30960E-02	595310.4	4129210.6	47.1	3.66
2.33	0.85	YES					
L0000018		0	0.30960E-02	595307.1	4129206.8	46.9	3.66
2.33	0.85	YES					
L0000019		0	0.30960E-02	595303.9	4129203.0	46.8	3.66
2.33	0.85	YES					
L0000020		0	0.30960E-02	595300.7	4129199.2	46.6	3.66
2.33	0.85	YES					
L0000021		0	0.30960E-02	595297.4	4129195.4	46.5	3.66
2.33	0.85	YES					
L0000022		0	0.30960E-02	595294.2	4129191.5	46.4	3.66
2.33	0.85	YES					



SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000041		0	0.30960E-02	595232.8	4129119.1	47.7	3.66
2.33	0.85	YES					
L0000042		0	0.30960E-02	595229.5	4129115.3	47.9	3.66
2.33	0.85	YES					
L0000043		0	0.30960E-02	595226.3	4129111.5	48.1	3.66
2.33	0.85	YES					
L0000044		0	0.30960E-02	595223.1	4129107.6	48.3	3.66
2.33	0.85	YES					
L0000045		0	0.30960E-02	595219.8	4129103.8	48.4	3.66
2.33	0.85	YES					
L0000046		0	0.30960E-02	595216.6	4129100.0	48.6	3.66
2.33	0.85	YES					
L0000047		0	0.30960E-02	595213.4	4129096.2	48.7	3.66
2.33	0.85	YES					
L0000048		0	0.30960E-02	595210.1	4129092.4	48.6	3.66
2.33	0.85	YES					
L0000049		0	0.30960E-02	595206.9	4129088.6	48.6	3.66
2.33	0.85	YES					
L0000050		0	0.30960E-02	595203.6	4129084.8	48.6	3.66
2.33	0.85	YES					
L0000051		0	0.30960E-02	595200.4	4129081.0	48.7	3.66
2.33	0.85	YES					
L0000052		0	0.30960E-02	595197.2	4129077.1	48.7	3.66
2.33	0.85	YES					
L0000053		0	0.30960E-02	595193.9	4129073.3	48.7	3.66
2.33	0.85	YES					
L0000054		0	0.30960E-02	595190.7	4129069.5	48.7	3.66
2.33	0.85	YES					
L0000055		0	0.30960E-02	595187.5	4129065.7	48.8	3.66
2.33	0.85	YES					
L0000056		0	0.30960E-02	595184.2	4129061.9	48.8	3.66
2.33	0.85	YES					
L0000057		0	0.30960E-02	595181.0	4129058.1	48.8	3.66
2.33	0.85	YES					
L0000058		0	0.30960E-02	595177.8	4129054.3	48.8	3.66
2.33	0.85	YES					
L0000059		0	0.30960E-02	595174.5	4129050.4	48.8	3.66
2.33	0.85	YES					
L0000060		0	0.30960E-02	595171.3	4129046.6	48.8	3.66
2.33	0.85	YES					
L0000061		0	0.30960E-02	595168.1	4129042.8	48.8	3.66
2.33	0.85	YES					
L0000062		0	0.30960E-02	595164.8	4129039.0	48.8	3.66
2.33	0.85	YES					



SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000081		0	0.30960E-02	595103.4	4128966.5	49.1	3.66
2.33	0.85	YES					
L0000082		0	0.30960E-02	595100.2	4128962.7	49.1	3.66
2.33	0.85	YES					
L0000083		0	0.30960E-02	595096.9	4128958.9	49.1	3.66
2.33	0.85	YES					
L0000084		0	0.30960E-02	595093.7	4128955.1	49.2	3.66
2.33	0.85	YES					
L0000085		0	0.30960E-02	595090.5	4128951.3	49.2	3.66
2.33	0.85	YES					
L0000086		0	0.30960E-02	595087.2	4128947.5	49.2	3.66
2.33	0.85	YES					
L0000087		0	0.30960E-02	595084.0	4128943.7	49.3	3.66
2.33	0.85	YES					
L0000088		0	0.30960E-02	595080.8	4128939.9	49.3	3.66
2.33	0.85	YES					
L0000089		0	0.30960E-02	595077.5	4128936.0	49.3	3.66
2.33	0.85	YES					
L0000090		0	0.30960E-02	595074.3	4128932.2	49.4	3.66
2.33	0.85	YES					
L0000091		0	0.30960E-02	595071.1	4128928.4	49.4	3.66
2.33	0.85	YES					
L0000092		0	0.30960E-02	595067.8	4128924.6	49.4	3.66
2.33	0.85	YES					
L0000093		0	0.30960E-02	595064.6	4128920.8	49.4	3.66
2.33	0.85	YES					
L0000094		0	0.30960E-02	595061.4	4128917.0	49.5	3.66
2.33	0.85	YES					
L0000095		0	0.30960E-02	595058.1	4128913.2	49.5	3.66
2.33	0.85	YES					
L0000096		0	0.30960E-02	595054.9	4128909.3	49.6	3.66
2.33	0.85	YES					
L0000097		0	0.30960E-02	595051.7	4128905.5	49.6	3.66
2.33	0.85	YES					
L0000098		0	0.30960E-02	595048.4	4128901.7	49.6	3.66
2.33	0.85	YES					
L0000099		0	0.30960E-02	595045.2	4128897.9	49.7	3.66
2.33	0.85	YES					
L0000100		0	0.30960E-02	595042.0	4128894.1	49.7	3.66
2.33	0.85	YES					
L0000101		0	0.30960E-02	595038.7	4128890.3	49.7	3.66
2.33	0.85	YES					
L0000102		0	0.30960E-02	595035.5	4128886.5	49.7	3.66
2.33	0.85	YES					



SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000121		0	0.30960E-02	594974.0	4128814.0	50.1	3.66
2.33	0.85	YES					
L0000122		0	0.30960E-02	594970.8	4128810.2	50.1	3.66
2.33	0.85	YES					
L0000123		0	0.30960E-02	594967.6	4128806.4	50.1	3.66
2.33	0.85	YES					
L0000124		0	0.30960E-02	594964.3	4128802.6	50.2	3.66
2.33	0.85	YES					
L0000125		0	0.30960E-02	594961.1	4128798.8	50.2	3.66
2.33	0.85	YES					
L0000126		0	0.30960E-02	594957.9	4128794.9	50.2	3.66
2.33	0.85	YES					
L0000127		0	0.30960E-02	594954.6	4128791.1	50.3	3.66
2.33	0.85	YES					
L0000128		0	0.30960E-02	594951.4	4128787.3	50.3	3.66
2.33	0.85	YES					
L0000129		0	0.30960E-02	594948.2	4128783.5	50.3	3.66
2.33	0.85	YES					
L0000130		0	0.30960E-02	594944.9	4128779.7	50.3	3.66
2.33	0.85	YES					
L0000131		0	0.30960E-02	594941.7	4128775.9	50.3	3.66
2.33	0.85	YES					
L0000132		0	0.30960E-02	594938.5	4128772.1	50.3	3.66
2.33	0.85	YES					
L0000133		0	0.30960E-02	594935.2	4128768.2	50.3	3.66
2.33	0.85	YES					
L0000134		0	0.30960E-02	594932.0	4128764.4	50.3	3.66
2.33	0.85	YES					
L0000135		0	0.30960E-02	594928.8	4128760.6	50.3	3.66
2.33	0.85	YES					
L0000136		0	0.30960E-02	594925.5	4128756.8	50.3	3.66
2.33	0.85	YES					
L0000137		0	0.30960E-02	594922.3	4128753.0	50.3	3.66
2.33	0.85	YES					
L0000138		0	0.30960E-02	594919.1	4128749.2	50.3	3.66
2.33	0.85	YES					
L0000139		0	0.30960E-02	594915.8	4128745.4	50.4	3.66
2.33	0.85	YES					
L0000140		0	0.30960E-02	594912.6	4128741.6	50.4	3.66
2.33	0.85	YES					
L0000141		0	0.30960E-02	594909.4	4128737.7	50.4	3.66
2.33	0.85	YES					
L0000142		0	0.30960E-02	594906.1	4128733.9	50.5	3.66
2.33	0.85	YES					





SOURCE SY	PART. SOURCE	(GRAMS/SEC) SCALAR	X	Y	ELEV.	HEIGHT
ID	CATS.	VARY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(METERS)	BY				
L0000161	0	0.30960E-02	594844.7	4128661.5	51.0	3.66
2.33	0.85	YES				
L0000162	0	0.30960E-02	594841.5	4128657.7	51.0	3.66
2.33	0.85	YES				
L0000163	0	0.30960E-02	594838.2	4128653.8	51.1	3.66
2.33	0.85	YES				
L0000164	0	0.30960E-02	594834.9	4128650.1	51.1	3.66
2.33	0.85	YES				
L0000165	0	0.30960E-02	594831.7	4128646.3	51.2	3.66
2.33	0.85	YES				
L0000166	0	0.30960E-02	594828.4	4128642.5	51.2	3.66
2.33	0.85	YES				
L0000167	0	0.30960E-02	594825.1	4128638.8	51.2	3.66
2.33	0.85	YES				
L0000168	0	0.30960E-02	594821.8	4128635.0	51.2	3.66
2.33	0.85	YES				
L0000169	0	0.30960E-02	594818.5	4128631.2	51.2	3.66
2.33	0.85	YES				
L0000170	0	0.30960E-02	594815.2	4128627.5	51.2	3.66
2.33	0.85	YES				
L0000171	0	0.30960E-02	594811.9	4128623.7	51.2	3.66
2.33	0.85	YES				
L0000172	0	0.30960E-02	594808.7	4128619.9	51.2	3.66
2.33	0.85	YES				
L0000173	0	0.30960E-02	594805.4	4128616.2	51.2	3.66
2.33	0.85	YES				
L0000174	0	0.30960E-02	594802.1	4128612.4	51.2	3.66
2.33	0.85	YES				
L0000175	0	0.30960E-02	594798.8	4128608.6	51.2	3.66
2.33	0.85	YES				
L0000176	0	0.30960E-02	594795.5	4128604.9	51.3	3.66
2.33	0.85	YES				
L0000177	0	0.30960E-02	594792.2	4128601.1	51.3	3.66
2.33	0.85	YES				
L0000178	0	0.30960E-02	594788.9	4128597.3	51.3	3.66
2.33	0.85	YES				
L0000179	0	0.30960E-02	594785.6	4128593.6	51.4	3.66
2.33	0.85	YES				
L0000180	0	0.30960E-02	594782.4	4128589.8	51.4	3.66
2.33	0.85	YES				
L0000181	0	0.30960E-02	594779.1	4128586.0	51.5	3.66
2.33	0.85	YES				
L0000182	0	0.30960E-02	594775.8	4128582.3	51.5	3.66
2.33	0.85	YES				



SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000201		0	0.30960E-02	594713.3	4128510.7	51.8	3.66
2.33	0.85	YES					
L0000202		0	0.30960E-02	594710.0	4128506.9	51.8	3.66
2.33	0.85	YES					
L0000203		0	0.30960E-02	594706.8	4128503.1	51.8	3.66
2.33	0.85	YES					
L0000204		0	0.30960E-02	594703.5	4128499.4	51.8	3.66
2.33	0.85	YES					
L0000205		0	0.30960E-02	594700.2	4128495.6	51.8	3.66
2.33	0.85	YES					
L0000206		0	0.30960E-02	594696.9	4128491.8	51.7	3.66
2.33	0.85	YES					
L0000207		0	0.30960E-02	594693.6	4128488.1	51.7	3.66
2.33	0.85	YES					
L0000208		0	0.30960E-02	594690.3	4128484.3	51.7	3.66
2.33	0.85	YES					
L0000209		0	0.30960E-02	594687.0	4128480.5	51.7	3.66
2.33	0.85	YES					
L0000210		0	0.30960E-02	594683.7	4128476.8	51.8	3.66
2.33	0.85	YES					
L0000211		0	0.30960E-02	594680.5	4128473.0	51.9	3.66
2.33	0.85	YES					
L0000212		0	0.30960E-02	594677.2	4128469.2	52.0	3.66
2.33	0.85	YES					
L0000213		0	0.30960E-02	594673.9	4128465.5	52.1	3.66
2.33	0.85	YES					
L0000214		0	0.30960E-02	594670.6	4128461.7	52.2	3.66
2.33	0.85	YES					
L0000215		0	0.30960E-02	594667.3	4128457.9	52.4	3.66
2.33	0.85	YES					
L0000216		0	0.30960E-02	594664.0	4128454.2	52.6	3.66
2.33	0.85	YES					
L0000217		0	0.30960E-02	594660.7	4128450.4	52.7	3.66
2.33	0.85	YES					
L0000218		0	0.30960E-02	594657.4	4128446.6	52.9	3.66
2.33	0.85	YES					
L0000219		0	0.30960E-02	594654.2	4128442.8	53.2	3.66
2.33	0.85	YES					
L0000220		0	0.30960E-02	594650.9	4128439.1	53.3	3.66
2.33	0.85	YES					
L0000221		0	0.30960E-02	594647.6	4128435.3	53.3	3.66
2.33	0.85	YES					
L0000222		0	0.30960E-02	594644.3	4128431.5	53.2	3.66
2.33	0.85	YES					



SOURCE SY	SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000241		0	0.30960E-02	594581.8	4128360.0	50.2	3.66
2.33	0.85	YES					
L0000242		0	0.30960E-02	594578.6	4128356.2	50.2	3.66
2.33	0.85	YES					
L0000243		0	0.30960E-02	594575.3	4128352.4	50.4	3.66
2.33	0.85	YES					
L0000244		0	0.30960E-02	594572.0	4128348.7	50.8	3.66
2.33	0.85	YES					
L0000245		0	0.30960E-02	594568.7	4128344.9	51.3	3.66
2.33	0.85	YES					
L0000246		0	0.30960E-02	594565.4	4128341.1	51.4	3.66
2.33	0.85	YES					
L0000247		0	0.30960E-02	594562.1	4128337.4	51.1	3.66
2.33	0.85	YES					
L0000248		0	0.30960E-02	594558.8	4128333.6	50.5	3.66
2.33	0.85	YES					
L0000249		0	0.30960E-02	594555.6	4128329.8	50.2	3.66
2.33	0.85	YES					
L0000250		0	0.30960E-02	594552.3	4128326.0	50.0	3.66
2.33	0.85	YES					
L0000251		0	0.30960E-02	594549.0	4128322.3	50.1	3.66
2.33	0.85	YES					
L0000252		0	0.30960E-02	594545.7	4128318.5	50.4	3.66
2.33	0.85	YES					
L0000253		0	0.30960E-02	594542.4	4128314.7	50.6	3.66
2.33	0.85	YES					
L0000254		0	0.30960E-02	594539.1	4128311.0	50.6	3.66
2.33	0.85	YES					
L0000255		0	0.30960E-02	594535.8	4128307.2	50.5	3.66
2.33	0.85	YES					
L0000256		0	0.30960E-02	594532.5	4128303.4	50.1	3.66
2.33	0.85	YES					
L0000257		0	0.30960E-02	594529.3	4128299.7	49.7	3.66
2.33	0.85	YES					
L0000258		0	0.30960E-02	594526.0	4128295.9	49.5	3.66
2.33	0.85	YES					
L0000259		0	0.30960E-02	594522.7	4128292.1	49.4	3.66
2.33	0.85	YES					
L0000260		0	0.30960E-02	594519.4	4128288.4	49.5	3.66
2.33	0.85	YES					
L0000261		0	0.30960E-02	594516.1	4128284.6	50.1	3.66
2.33	0.85	YES					
L0000262		0	0.30960E-02	594512.8	4128280.8	51.0	3.66
2.33	0.85	YES					



SOURCE SY	SOURCE SZ	PART. SOURCE CATS.	(GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)
L0000281		0	0.30960E-02	594450.4	4128209.3	54.3	3.66
2.33	0.85	YES					
L0000282		0	0.30960E-02	594447.1	4128205.5	54.5	3.66
2.33	0.85	YES					
L0000283		0	0.30960E-02	594443.8	4128201.7	54.8	3.66
2.33	0.85	YES					
L0000284		0	0.30960E-02	594440.5	4128197.9	54.8	3.66
2.33	0.85	YES					
L0000285		0	0.30960E-02	594437.2	4128194.2	54.9	3.66
2.33	0.85	YES					
L0000286		0	0.30960E-02	594433.9	4128190.4	54.9	3.66
2.33	0.85	YES					
L0000287		0	0.30960E-02	594430.6	4128186.6	54.9	3.66
2.33	0.85	YES					
L0000288		0	0.30960E-02	594427.4	4128182.9	54.9	3.66
2.33	0.85	YES					
L0000289		0	0.30960E-02	594424.1	4128179.1	54.9	3.66
2.33	0.85	YES					
L0000290		0	0.30960E-02	594420.8	4128175.3	54.9	3.66
2.33	0.85	YES					
L0000291		0	0.30960E-02	594417.5	4128171.6	54.9	3.66
2.33	0.85	YES					
L0000292		0	0.30960E-02	594414.2	4128167.8	54.9	3.66
2.33	0.85	YES					
L0000293		0	0.30960E-02	594410.9	4128164.0	54.8	3.66
2.33	0.85	YES					
L0000294		0	0.30960E-02	594407.6	4128160.3	54.7	3.66
2.33	0.85	YES					
L0000295		0	0.30960E-02	594404.3	4128156.5	54.6	3.66
2.33	0.85	YES					
L0000296		0	0.30960E-02	594401.1	4128152.7	54.6	3.66
2.33	0.85	YES					
L0000297		0	0.30960E-02	594397.8	4128149.0	54.6	3.66
2.33	0.85	YES					
L0000298		0	0.30960E-02	594394.5	4128145.2	54.6	3.66
2.33	0.85	YES					
L0000299		0	0.30960E-02	594391.2	4128141.4	54.7	3.66
2.33	0.85	YES					
L0000300		0	0.30960E-02	594387.9	4128137.7	54.7	3.66
2.33	0.85	YES					
L0000301		0	0.30960E-02	594384.6	4128133.9	54.7	3.66
2.33	0.85	YES					
L0000302		0	0.30960E-02	594381.3	4128130.1	54.6	3.66
2.33	0.85	YES					





SOURCE SY	PART. SZ	(GRAMS/SEC) SOURCE SCALAR VARY	X	Y	ELEV.	HEIGHT
ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)

L0000321	0	0.30960E-02	594318.9	4128058.5	55.1	3.66
2.33	0.85	YES				
L0000322	0	0.30960E-02	594315.6	4128054.8	55.1	3.66
2.33	0.85	YES				
L0000323	0	0.30960E-02	594312.3	4128051.0	55.1	3.66
2.33	0.85	YES				

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN

\*\*\* SOURCE IDs DEFINING

SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
SRCGP1	L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005	, L0000006 , L0000007 , L0000008 ,
L0000013	L0000009 , L0000010 , L0000011 , L0000012 ,
	, L0000014 , L0000015 , L0000016 ,
L0000021	L0000017 , L0000018 , L0000019 , L0000020 ,
	, L0000022 , L0000023 , L0000024 ,
L0000029	L0000025 , L0000026 , L0000027 , L0000028 ,
	, L0000030 , L0000031 , L0000032 ,
L0000037	L0000033 , L0000034 , L0000035 , L0000036 ,
	, L0000038 , L0000039 , L0000040 ,
L0000045	L0000041 , L0000042 , L0000043 , L0000044 ,
	, L0000046 , L0000047 , L0000048 ,
L0000053	L0000049 , L0000050 , L0000051 , L0000052 ,
	, L0000054 , L0000055 , L0000056 ,

L0000061      L0000057      , L0000058      , L0000059      , L0000060      ,  
                  , L0000062      , L0000063      , L0000064      ,  
  
 L0000069      L0000065      , L0000066      , L0000067      , L0000068      ,  
                  , L0000070      , L0000071      , L0000072      ,  
  
 L0000077      L0000073      , L0000074      , L0000075      , L0000076      ,  
                  , L0000078      , L0000079      , L0000080      ,  
  
 L0000085      L0000081      , L0000082      , L0000083      , L0000084      ,  
                  , L0000086      , L0000087      , L0000088      ,  
  
 L0000093      L0000089      , L0000090      , L0000091      , L0000092      ,  
                  , L0000094      , L0000095      , L0000096      ,  
  
 L0000101      L0000097      , L0000098      , L0000099      , L0000100      ,  
                  , L0000102      , L0000103      , L0000104      ,  
  
 L0000109      L0000105      , L0000106      , L0000107      , L0000108      ,  
                  , L0000110      , L0000111      , L0000112      ,  
  
 L0000117      L0000113      , L0000114      , L0000115      , L0000116      ,  
                  , L0000118      , L0000119      , L0000120      ,  
  
 L0000125      L0000121      , L0000122      , L0000123      , L0000124      ,  
                  , L0000126      , L0000127      , L0000128      ,  
  
 L0000133      L0000129      , L0000130      , L0000131      , L0000132      ,  
                  , L0000134      , L0000135      , L0000136      ,  
  
 L0000141      L0000137      , L0000138      , L0000139      , L0000140      ,  
                  , L0000142      , L0000143      , L0000144      ,  
  
 L0000149      L0000145      , L0000146      , L0000147      , L0000148      ,  
                  , L0000150      , L0000151      , L0000152      ,  
  
 L0000157      L0000153      , L0000154      , L0000155      , L0000156      ,  
                  , L0000158      , L0000159      , L0000160      ,

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\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN

\*\*\* SOURCE IDs DEFINING

SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

-----

L0000165	L0000161 , L0000166	, L0000162 , L0000167	, L0000163 , L0000168	, L0000164 ,	,
L0000173	L0000169 , L0000174	, L0000170 , L0000175	, L0000171 , L0000176	, L0000172 ,	,
L0000181	L0000177 , L0000182	, L0000178 , L0000183	, L0000179 , L0000184	, L0000180 ,	,
L0000189	L0000185 , L0000190	, L0000186 , L0000191	, L0000187 , L0000192	, L0000188 ,	,
L0000197	L0000193 , L0000198	, L0000194 , L0000199	, L0000195 , L0000200	, L0000196 ,	,
L0000205	L0000201 , L0000206	, L0000202 , L0000207	, L0000203 , L0000208	, L0000204 ,	,
L0000213	L0000209 , L0000214	, L0000210 , L0000215	, L0000211 , L0000216	, L0000212 ,	,
L0000221	L0000217 , L0000222	, L0000218 , L0000223	, L0000219 , L0000224	, L0000220 ,	,
L0000229	L0000225 , L0000230	, L0000226 , L0000231	, L0000227 , L0000232	, L0000228 ,	,
L0000237	L0000233 , L0000238	, L0000234 , L0000239	, L0000235 , L0000240	, L0000236 ,	,
L0000245	L0000241 , L0000246	, L0000242 , L0000247	, L0000243 , L0000248	, L0000244 ,	,
L0000253	L0000249 , L0000254	, L0000250 , L0000255	, L0000251 , L0000256	, L0000252 ,	,
L0000261	L0000257 , L0000262	, L0000258 , L0000263	, L0000259 , L0000264	, L0000260 ,	,
L0000269	L0000265 , L0000270	, L0000266 , L0000271	, L0000267 , L0000272	, L0000268 ,	,
L0000277	L0000273 , L0000278	, L0000274 , L0000279	, L0000275 , L0000280	, L0000276 ,	,
L0000285	L0000281 , L0000286	, L0000282 , L0000287	, L0000283 , L0000288	, L0000284 ,	,

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L0000293      L0000289      , L0000290      , L0000291      , L0000292      ,
              , L0000294      , L0000295      , L0000296      ,
L0000301      L0000297      , L0000298      , L0000299      , L0000300      ,
              , L0000302      , L0000303      , L0000304      ,
L0000309      L0000305      , L0000306      , L0000307      , L0000308      ,
              , L0000310      , L0000311      , L0000312      ,
L0000317      L0000313      , L0000314      , L0000315      , L0000316      ,
              , L0000318      , L0000319      , L0000320      ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING

SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
	L0000321 , L0000322 , L0000323 ,
ALL	L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005	, L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 ,
L0000013	, L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 ,
L0000021	, L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 ,
L0000029	, L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 ,
L0000037	, L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 ,
L0000045	, L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 ,
L0000053	, L0000054 , L0000055 , L0000056 ,

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L0000061      L0000057      , L0000058      , L0000059      , L0000060      ,
, L0000062      , L0000063      , L0000064      ,

L0000069      L0000065      , L0000066      , L0000067      , L0000068      ,
, L0000070      , L0000071      , L0000072      ,

L0000077      L0000073      , L0000074      , L0000075      , L0000076      ,
, L0000078      , L0000079      , L0000080      ,

L0000085      L0000081      , L0000082      , L0000083      , L0000084      ,
, L0000086      , L0000087      , L0000088      ,

L0000093      L0000089      , L0000090      , L0000091      , L0000092      ,
, L0000094      , L0000095      , L0000096      ,

L0000101      L0000097      , L0000098      , L0000099      , L0000100      ,
, L0000102      , L0000103      , L0000104      ,

L0000109      L0000105      , L0000106      , L0000107      , L0000108      ,
, L0000110      , L0000111      , L0000112      ,

L0000117      L0000113      , L0000114      , L0000115      , L0000116      ,
, L0000118      , L0000119      , L0000120      ,

L0000125      L0000121      , L0000122      , L0000123      , L0000124      ,
, L0000126      , L0000127      , L0000128      ,

L0000133      L0000129      , L0000130      , L0000131      , L0000132      ,
, L0000134      , L0000135      , L0000136      ,

L0000141      L0000137      , L0000138      , L0000139      , L0000140      ,
, L0000142      , L0000143      , L0000144      ,

L0000149      L0000145      , L0000146      , L0000147      , L0000148      ,
, L0000150      , L0000151      , L0000152      ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING

SOURCE GROUPS \*\*\*

SRCGROUP ID

-----

SOURCE IDs

-----

L0000157	L0000153 , L0000158	L0000154 , L0000159	L0000155 , L0000160	L0000156 , 	
L0000165	L0000161 , L0000166	L0000162 , L0000167	L0000163 , L0000168	L0000164 , 	
L0000173	L0000169 , L0000174	L0000170 , L0000175	L0000171 , L0000176	L0000172 , 	
L0000181	L0000177 , L0000182	L0000178 , L0000183	L0000179 , L0000184	L0000180 , 	
L0000189	L0000185 , L0000190	L0000186 , L0000191	L0000187 , L0000192	L0000188 , 	
L0000197	L0000193 , L0000198	L0000194 , L0000199	L0000195 , L0000200	L0000196 , 	
L0000205	L0000201 , L0000206	L0000202 , L0000207	L0000203 , L0000208	L0000204 , 	
L0000213	L0000209 , L0000214	L0000210 , L0000215	L0000211 , L0000216	L0000212 , 	
L0000221	L0000217 , L0000222	L0000218 , L0000223	L0000219 , L0000224	L0000220 , 	
L0000229	L0000225 , L0000230	L0000226 , L0000231	L0000227 , L0000232	L0000228 , 	
L0000237	L0000233 , L0000238	L0000234 , L0000239	L0000235 , L0000240	L0000236 , 	
L0000245	L0000241 , L0000246	L0000242 , L0000247	L0000243 , L0000248	L0000244 , 	
L0000253	L0000249 , L0000254	L0000250 , L0000255	L0000251 , L0000256	L0000252 , 	
L0000261	L0000257 , L0000262	L0000258 , L0000263	L0000259 , L0000264	L0000260 , 	
L0000269	L0000265 , L0000270	L0000266 , L0000271	L0000267 , L0000272	L0000268 , 	
L0000277	L0000273 , L0000278	L0000274 , L0000279	L0000275 , L0000280	L0000276 , 	
L0000285	L0000281 , L0000286	L0000282 , L0000287	L0000283 , L0000288	L0000284 , 	

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L0000293      L0000289      , L0000290      , L0000291      , L0000292      ,
, L0000294      , L0000295      , L0000296      ,

L0000301      L0000297      , L0000298      , L0000299      , L0000300      ,
, L0000302      , L0000303      , L0000304      ,

L0000309      L0000305      , L0000306      , L0000307      , L0000308      ,
, L0000310      , L0000311      , L0000312      ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINING

SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0000317	L0000313 , L0000314 , L0000315 , L0000316 , , L0000318 , L0000319 , L0000320 ,
	L0000321 , L0000322 , L0000323 ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS

URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000004	10000.	L0000001 , L0000002 , L0000003 , , L0000005 , L0000006 , L0000007 ,
L0000008		
L0000013		L0000009 , L0000010 , L0000011 , L0000012 , , L0000014 , L0000015 , L0000016 ,



L0000021	L0000017 , L0000022	, L0000018 , L0000023	, L0000019 , L0000024	, L0000020 ,	,
L0000029	L0000025 , L0000030	, L0000026 , L0000031	, L0000027 , L0000032	, L0000028 ,	,
L0000037	L0000033 , L0000038	, L0000034 , L0000039	, L0000035 , L0000040	, L0000036 ,	,
L0000045	L0000041 , L0000046	, L0000042 , L0000047	, L0000043 , L0000048	, L0000044 ,	,
L0000053	L0000049 , L0000054	, L0000050 , L0000055	, L0000051 , L0000056	, L0000052 ,	,
L0000061	L0000057 , L0000062	, L0000058 , L0000063	, L0000059 , L0000064	, L0000060 ,	,
L0000069	L0000065 , L0000070	, L0000066 , L0000071	, L0000067 , L0000072	, L0000068 ,	,
L0000077	L0000073 , L0000078	, L0000074 , L0000079	, L0000075 , L0000080	, L0000076 ,	,
L0000085	L0000081 , L0000086	, L0000082 , L0000087	, L0000083 , L0000088	, L0000084 ,	,
L0000093	L0000089 , L0000094	, L0000090 , L0000095	, L0000091 , L0000096	, L0000092 ,	,
L0000101	L0000097 , L0000102	, L0000098 , L0000103	, L0000099 , L0000104	, L0000100 ,	,
L0000109	L0000105 , L0000110	, L0000106 , L0000111	, L0000107 , L0000112	, L0000108 ,	,
L0000117	L0000113 , L0000118	, L0000114 , L0000119	, L0000115 , L0000120	, L0000116 ,	,
L0000125	L0000121 , L0000126	, L0000122 , L0000127	, L0000123 , L0000128	, L0000124 ,	,
L0000133	L0000129 , L0000134	, L0000130 , L0000135	, L0000131 , L0000136	, L0000132 ,	,
L0000141	L0000137 , L0000142	, L0000138 , L0000143	, L0000139 , L0000144	, L0000140 ,	,
L0000149	L0000145 , L0000150	, L0000146 , L0000151	, L0000147 , L0000152	, L0000148 ,	,



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L0000253      L0000249      , L0000250      , L0000251      , L0000252      ,
, L0000254      , L0000255      , L0000256      ,

L0000261      L0000257      , L0000258      , L0000259      , L0000260      ,
, L0000262      , L0000263      , L0000264      ,

L0000269      L0000265      , L0000266      , L0000267      , L0000268      ,
, L0000270      , L0000271      , L0000272      ,

L0000277      L0000273      , L0000274      , L0000275      , L0000276      ,
, L0000278      , L0000279      , L0000280      ,

L0000285      L0000281      , L0000282      , L0000283      , L0000284      ,
, L0000286      , L0000287      , L0000288      ,

L0000293      L0000289      , L0000290      , L0000291      , L0000292      ,
, L0000294      , L0000295      , L0000296      ,

L0000301      L0000297      , L0000298      , L0000299      , L0000300      ,
, L0000302      , L0000303      , L0000304      ,

L0000309      L0000305      , L0000306      , L0000307      , L0000308      ,
, L0000310      , L0000311      , L0000312      ,

L0000317      L0000313      , L0000314      , L0000315      , L0000316      ,
, L0000318      , L0000319      , L0000320      ,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* SOURCE IDs DEFINED AS

URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000321	, L0000322	, L0000323

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* GRIDDED RECEPTOR NETWORK

SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART1 ; NETWORK

TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID

\*\*\*

(METERS)

594695.7, 594705.7, 594715.7, 594725.7, 594735.7, 594745.7,  
594755.7, 594765.7,

\*\*\* Y-COORDINATES OF GRID

\*\*\*

(METERS)

4128693.3, 4128704.3, 4128715.3, 4128726.3, 4128737.3, 4128748.3,  
4128759.3, 4128770.3,

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: UCART1 ; NETWORK

TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN

METERS \*

Y-COORD (METERS)		594695.68	594705.68	594715.68	594725.68
594735.68	594745.68	594755.68	594765.68		
-----					
4128770.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128759.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128748.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128737.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128726.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		

4128715.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128704.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128693.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		

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*** AERMET - VERSION 14134 ***   ***
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```

PAGE 21

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: UCART1 ; NETWORK

TYPE: GRIDCART \*\*\*

\* HILL HEIGHT SCALES

IN METERS \*

Y-COORD (METERS)				X-COORD
		594695.68	594705.68	594715.68
594735.68	594745.68	594755.68	594765.68	594725.68
-----				
-----				

4128770.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128759.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128748.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128737.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128726.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128715.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128704.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		
4128693.31		51.70	51.60	51.50	51.50
51.50	51.50	51.40	51.30		

```

*** AERMOD - VERSION 18081 ***   *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc     ***           03/11/19
*** AERMET - VERSION 14134 ***   ***
***           22:57:25

```

PAGE 22

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* GRIDDED RECEPTOR NETWORK

SUMMARY \*\*\*

\*\*\* NETWORK ID: UCART2 ; NETWORK

TYPE: GRIDCART \*\*\*

\*\*\* X-COORDINATES OF GRID

\*\*\*

(METERS)

594700.7, 594708.0, 594715.4, 594722.7, 594730.1, 594737.4,  
594744.7, 594752.1, 594759.4, 594766.8,

\*\*\* Y-COORDINATES OF GRID

\*\*\*

(METERS)

4128603.5, 4128612.4, 4128621.2, 4128630.1, 4128638.9, 4128647.8,  
4128656.6, 4128665.5, 4128674.3, 4128683.2,

\*\*\* AERMOD - VERSION 18081 \*\*\*      \*\*\* C:\Users\xli\Desktop\5026.0001  
South Bascom\rail\rail.isc            \*\*\*            03/11/19  
\*\*\* AERMET - VERSION 14134 \*\*\*      \*\*\*  
\*\*\*            22:57:25

PAGE 23

\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN

\*\*\* NETWORK ID: UCART2 ; NETWORK

TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN

METERS \*

Y-COORD (METERS)					X-COORD
594730.06	594737.40	594744.74	594752.08	594759.42	
4128683.19	51.50	51.60	51.60	51.50	51.50
4128674.34	51.50	51.70	51.60	51.50	51.50
4128665.49	51.50	51.70	51.70	51.60	51.60
4128656.64	51.50	51.80	51.70	51.70	51.60
51.60	51.50	51.50	51.40	51.30	
51.50	51.50	51.50	51.40	51.30	
51.60	51.50	51.50	51.40	51.30	

4128647.79		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.40	51.30	
4128638.94		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.40	51.40	
4128630.09		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.50	51.40	
4128621.24		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.50	51.50	
4128612.39		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.50	51.50	
4128603.54		51.80	51.80	51.80	51.70
51.60	51.60	51.50	51.50	51.50	

```

*** AERMOD - VERSION 18081 ***   *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc     ***           03/11/19
*** AERMET - VERSION 14134 ***   ***
***           22:57:25

```

PAGE 24

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* NETWORK ID: UCART2 ; NETWORK

TYPE: GRIDCART \*\*\*

\* ELEVATION HEIGHTS IN

METERS \*

Y-COORD (METERS)	X-COORD
(METERS)	594766.76

-----

4128683.19		51.30
4128674.34		51.30
4128665.49		51.30
4128656.64		51.30
4128647.79		51.30
4128638.94		51.30
4128630.09		51.40
4128621.24		51.50
4128612.39		51.50
4128603.54		51.50

```

*** AERMOD - VERSION 18081 ***   *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc     ***           03/11/19
*** AERMET - VERSION 14134 ***   ***
***           22:57:25

```

PAGE 25

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN





```

-----
-----
4128683.19 |          51.30
4128674.34 |          51.30
4128665.49 |          51.30
4128656.64 |          51.30
4128647.79 |          51.30
4128638.94 |          51.30
4128630.09 |          51.40
4128621.24 |          51.50
4128612.39 |          51.50
4128603.54 |          51.50

```

```

*** AERMOD - VERSION 18081 ***   *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc     ***           03/11/19
*** AERMET - VERSION 14134 ***   ***
***           22:57:25

```

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\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN

\*\*\* DISCRETE CARTESIAN

RECEPTORS \*\*\*

(X-COORD, Y-COORD, ZELEV,

ZHILL, ZFLAG)

(METERS)

```

( 594784.7, 4128663.5, 51.2, 51.2, 0.0);
( 594795.1, 4128663.5, 51.2, 51.2, 0.0);
( 594805.4, 4128663.5, 51.2, 51.2, 0.0);
( 594815.8, 4128663.5, 51.1, 51.1, 0.0);
( 594826.2, 4128663.5, 51.1, 51.1, 0.0);
( 594784.7, 4128672.6, 51.2, 51.2, 0.0);
( 594795.1, 4128672.6, 51.2, 51.2, 0.0);
( 594805.4, 4128672.6, 51.2, 51.2, 0.0);
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( 594826.2, 4128672.6, 51.0, 51.0, 0.0);
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( 594805.4, 4128681.7, 51.2, 51.2, 0.0);
( 594815.8, 4128681.7, 51.1, 51.1, 0.0);
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( 594795.1, 4128699.9, 51.2, 51.2, 0.0);

```

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( 594846.9, 4128709.0, 50.9, 50.9, 0.0);  
( 594857.2, 4128709.0, 50.9, 50.9, 0.0);  
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( 594805.4, 4128718.1, 51.2, 51.2, 0.0);  
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( 594826.2, 4128718.1, 51.0, 51.0, 0.0);  
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( 594857.2, 4128718.1, 50.9, 50.9, 0.0);  
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( 594846.9, 4128745.4, 50.9, 50.9, 0.0);  
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( 594867.6, 4128745.4, 50.8, 50.8, 0.0);  
( 594878.0, 4128745.4, 50.7, 50.7, 0.0);



Surface file: 724946\724946.SFC  
 Met Version: 14134  
 Profile file: 724946\724946.PFL  
 Surface format: FREE  
 Profile format: FREE  
 Surface station no.: 93232 Upper air station  
 no.: 23230  
 Name: UNKNOWN  
 Name: OAKLAND/WSO\_AP  
 Year: 2009  
 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN
Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT			
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	999.00	999.	-9.0	999.0	-9.0					
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	
0.14	1.01	1.00	0.00	0.	10.0	282.1	2.0					
09	01	01	1	08	-14.6	0.258	-9.000	-9.000	-999.	315.	106.7	
0.09	1.01	0.74	3.36	323.	10.0	282.1	2.0					
09	01	01	1	09	-5.8	0.275	-9.000	-9.000	-999.	346.	324.0	
0.09	1.01	0.39	3.36	307.	10.0	282.1	2.0					
09	01	01	1	10	8.2	0.291	0.289	0.016	107.	377.	-274.8	
0.09	1.01	0.27	3.36	311.	10.0	282.1	2.0					
09	01	01	1	11	17.3	0.297	0.448	0.016	189.	389.	-138.5	
0.09	1.01	0.23	3.36	314.	10.0	282.1	2.0					
09	01	01	1	12	22.3	-9.000	-9.000	-9.000	257.	-999.	-99999.0	
0.14	1.01	0.21	0.00	0.	10.0	282.1	2.0					
09	01	01	1	13	23.1	0.301	0.584	0.016	312.	396.	-106.7	
0.09	1.01	0.21	3.36	313.	10.0	282.1	2.0					
09	01	01	1	14	19.8	-9.000	-9.000	-9.000	353.	-999.	-99999.0	
0.14	1.01	0.22	0.00	0.	10.0	283.1	2.0					
09	01	01	1	15	12.1	0.339	0.501	0.016	375.	473.	-291.2	
0.17	1.01	0.25	3.36	42.	10.0	283.1	2.0					
09	01	01	1	16	25.3	0.263	0.664	0.017	420.	327.	-65.3	
0.09	1.01	0.33	2.86	74.	10.0	284.1	2.0					
09	01	01	1	17	-13.7	0.251	-9.000	-9.000	-999.	301.	104.3	
0.17	1.01	0.57	2.86	41.	10.0	283.1	2.0					

```

09 01 01 1 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 0.00 0. 10.0 282.1 2.0
09 01 01 1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 0.00 0. 10.0 282.1 2.0
09 01 01 1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 0.00 0. 10.0 281.1 2.0
09 01 01 1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 0.00 0. 10.0 281.1 2.0
09 01 01 1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 0.00 0. 10.0 280.1 2.0
09 01 01 1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 999.00 999. -9.0 280.1 2.0
09 01 01 1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.14 1.01 1.00 999.00 999. -9.0 280.1 2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
09 01 01 01 10.0 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

*** AERMOD - VERSION 18081 *** *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc *** 03/11/19
*** AERMET - VERSION 14134 *** ***
*** 22:57:25

```

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN

```

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES
AVERAGED OVER 5 YEARS FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S):

```

```

L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

```

\*\*\* NETWORK ID: UCART1 ; NETWORK

TYPE: GRIDCART \*\*\*

```

** CONC OF DPM IN
**
MICROGRAMS/M**3

```

```

Y-COORD | X-COORD
(METERS) |
(METERS) | 594695.68 594705.68 594715.68 594725.68
594735.68 594745.68 594755.68 594765.68

```

```

-----
4128770.31 |          2.02367          2.10534          2.19387          2.28917
2.39319    |          2.50720          2.63466          2.77594
4128759.31 |          2.10053          2.18858          2.28433          2.38783
2.50124    |          2.62606          2.76610          2.92210
4128748.31 |          2.18347          2.27869          2.38261          2.49542
2.61955    |          2.75681          2.91141          3.08460
4128737.31 |          2.27327          2.37661          2.48980          2.61327
2.74973    |          2.90138          3.07298          3.26639
4128726.31 |          2.37086          2.48343          2.60724          2.74296
2.89371    |          3.06213          3.25375          3.47113
4128715.31 |          2.47733          2.60045          2.73649          2.88642
3.05384    |          3.24202          3.45740          3.70346
4128704.31 |          2.59399          2.72926          2.87946          3.04599
3.23307    |          3.44471          3.68857          3.96928
4128693.31 |          2.72240          2.87175          3.03846          3.22457
3.43501    |          3.67483          3.95317          4.27622

```

```

*** AERMOD - VERSION 18081 ***      *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc          ***      03/11/19
*** AERMET - VERSION 14134 ***      ***
***      22:57:25

```

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES
AVERAGED OVER 5 YEARS FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S):

```

```

L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
          L0000006 , L0000007 , L0000008 ,
L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
          L0000014 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
          L0000022 , L0000023 , L0000024 ,
L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

```

\*\*\* NETWORK ID: UCART2 ; NETWORK

TYPE: GRIDCART \*\*\*

```

** CONC OF DPM      IN
MICROGRAMS/M**3    **

```

```

Y-COORD | X-COORD
(METERS) |
(METERS) |          594700.70          594708.04          594715.38          594722.72
594730.06 594737.40          594744.74          594752.08          594759.42
-----
-----

```



4128683.19	4.64716
4128674.34	4.98293
4128665.49	5.36925
4128656.64	5.81675
4128647.79	6.33818
4128638.94	6.94790
4128630.09	7.66582
4128621.24	8.48966
4128612.39	9.37600
4128603.54	10.14361

```

*** AERMOD - VERSION 18081 ***   *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc     ***   *** 03/11/19
*** AERMET - VERSION 14134 ***   ***
*** 22:57:25

```

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES  
 AVERAGED OVER 5 YEARS FOR SOURCE GROUP: SRCGP1 \*\*\*  
 INCLUDING SOURCE(S):

L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,
		L0000006	,	L0000007	,	L0000008	,		
L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,
		L0000014	,	L0000015	,	L0000016	,		
L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,
		L0000022	,	L0000023	,	L0000024	,		
L0000025	,	L0000026	,	L0000027	,	L0000028	,	. . .	,

\*\*\* DISCRETE CARTESIAN

RECEPTOR POINTS \*\*\*

MICROGRAMS/M**3			** CONC OF DPM	IN
			**	
X-COORD (M)	Y-COORD (M)	CONC		X-
COORD (M)	Y-COORD (M)	CONC		
-----				
594784.72	4128663.49	6.66740		
594795.08	4128663.49	7.59064		
594805.44	4128663.49	8.69769		
594815.80	4128663.49	9.84113		
594826.16	4128663.49	10.25155		
594784.72	4128672.59	6.08407		
594795.08	4128672.59	6.86963		
594805.44	4128672.59	7.83690		
594815.80	4128672.59	8.97006		
594826.16	4128672.59	10.04915		
594784.72	4128681.69	5.58798		
594795.08	4128681.69	6.25757		



	594805.44	4128681.69	7.08432
594815.80	4128681.69	8.09690	
	594826.16	4128681.69	9.26058
594836.52	4128681.69	10.21922	
	594784.72	4128690.79	5.16329
594795.08	4128690.79	5.73759	
	594805.44	4128690.79	6.44314
594815.80	4128690.79	7.31623	
	594826.16	4128690.79	8.38039
594836.52	4128690.79	9.56416	
	594784.72	4128699.89	4.79674
594795.08	4128699.89	5.29294	
	594805.44	4128699.89	5.89755
594815.80	4128699.89	6.64370	
	594826.16	4128699.89	7.56682
594836.52	4128699.89	8.68185	
	594846.88	4128699.89	9.86107
594784.72	4128708.99	4.47776	
	594795.08	4128708.99	4.90966
594805.44	4128708.99	5.43109	
	594815.80	4128708.99	6.07006
594826.16	4128708.99	6.85919	
	594836.52	4128708.99	7.83454
594846.88	4128708.99	8.99515	
	594857.24	4128708.99	10.10883
594784.72	4128718.09	4.19796	
	594795.08	4128718.09	4.57665
594805.44	4128718.09	5.02953	
	594815.80	4128718.09	5.57982
594826.16	4128718.09	6.25436	
	594836.52	4128718.09	7.08894
594846.88	4128718.09	8.11675	
	594857.24	4128718.09	9.30479
594784.72	4128727.19	3.95075	
	594795.08	4128727.19	4.28510
594805.44	4128727.19	4.68129	
	594815.80	4128727.19	5.15841
594826.16	4128727.19	5.73798	
	594836.52	4128727.19	6.44996
594846.88	4128727.19	7.33131	
	594857.24	4128727.19	8.40783
594867.60	4128727.19	9.60539	
	594784.72	4128736.29	3.73090
594795.08	4128736.29	4.02804	
	594805.44	4128736.29	4.37708
594815.80	4128736.29	4.79365	
	594826.16	4128736.29	5.29497
594836.52	4128736.29	5.90496	
	594846.88	4128736.29	6.65536
594857.24	4128736.29	7.58468	
	594867.60	4128736.29	8.70886
594877.96	4128736.29	9.88572	

```

594784.72      4128745.39      3.53418
594795.08      4128745.39      3.79987
594805.44      4128745.39      4.10943
594815.80      4128745.39      4.47567
594826.16      4128745.39      4.91238
594836.52      4128745.39      5.43863
594846.88      4128745.39      6.08049
594857.24      4128745.39      6.87428
594867.60      4128745.39      7.85645
594877.96      4128745.39      9.01852

```

```

*** AERMOD - VERSION 18081 ***      *** C:\Users\xli\Desktop\5026.0001
South Bascom\rail\rail.isc      ***      03/11/19
*** AERMET - VERSION 14134 ***      ***
***      22:57:25

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES  
AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL \*\*\*  
INCLUDING SOURCE(S):

```

L0000001      , L0000002      , L0000003      , L0000004      , L0000005      ,
                L0000006      , L0000007      , L0000008      ,
L0000009      , L0000010      , L0000011      , L0000012      , L0000013      ,
                L0000014      , L0000015      , L0000016      ,
L0000017      , L0000018      , L0000019      , L0000020      , L0000021      ,
                L0000022      , L0000023      , L0000024      ,
L0000025      , L0000026      , L0000027      , L0000028      , . . .      ,

```

\*\*\* NETWORK ID: UCART1 ; NETWORK

TYPE: GRIDCART \*\*\*

MICROGRAMS/M\*\*3 \*\* CONC OF DPM IN  
\*\*

```

Y-COORD | X-COORD
(METERS) |
(METERS) |      594695.68      594705.68      594715.68      594725.68
594735.68      594745.68      594755.68      594765.68
-----

```

```

4128770.31 |      2.02367      2.10534      2.19387      2.28917
2.39319      2.50720      2.63466      2.77594
4128759.31 |      2.10053      2.18858      2.28433      2.38783
2.50124      2.62606      2.76610      2.92210
4128748.31 |      2.18347      2.27869      2.38261      2.49542
2.61955      2.75681      2.91141      3.08460
4128737.31 |      2.27327      2.37661      2.48980      2.61327
2.74973      2.90138      3.07298      3.26639

```







	594784.72	4128699.89	4.79674
594795.08	4128699.89	5.29294	
	594805.44	4128699.89	5.89755
594815.80	4128699.89	6.64370	
	594826.16	4128699.89	7.56682
594836.52	4128699.89	8.68185	
	594846.88	4128699.89	9.86107
594784.72	4128708.99	4.47776	
	594795.08	4128708.99	4.90966
594805.44	4128708.99	5.43109	
	594815.80	4128708.99	6.07006
594826.16	4128708.99	6.85919	
	594836.52	4128708.99	7.83454
594846.88	4128708.99	8.99515	
	594857.24	4128708.99	10.10883
594784.72	4128718.09	4.19796	
	594795.08	4128718.09	4.57665
594805.44	4128718.09	5.02953	
	594815.80	4128718.09	5.57982
594826.16	4128718.09	6.25436	
	594836.52	4128718.09	7.08894
594846.88	4128718.09	8.11675	
	594857.24	4128718.09	9.30479
594784.72	4128727.19	3.95075	
	594795.08	4128727.19	4.28510
594805.44	4128727.19	4.68129	
	594815.80	4128727.19	5.15841
594826.16	4128727.19	5.73798	
	594836.52	4128727.19	6.44996
594846.88	4128727.19	7.33131	
	594857.24	4128727.19	8.40783
594867.60	4128727.19	9.60539	
	594784.72	4128736.29	3.73090
594795.08	4128736.29	4.02804	
	594805.44	4128736.29	4.37708
594815.80	4128736.29	4.79365	
	594826.16	4128736.29	5.29497
594836.52	4128736.29	5.90496	
	594846.88	4128736.29	6.65536
594857.24	4128736.29	7.58468	
	594867.60	4128736.29	8.70886
594877.96	4128736.29	9.88572	
	594784.72	4128745.39	3.53418
594795.08	4128745.39	3.79987	
	594805.44	4128745.39	4.10943
594815.80	4128745.39	4.47567	
	594826.16	4128745.39	4.91238
594836.52	4128745.39	5.43863	
	594846.88	4128745.39	6.08049
594857.24	4128745.39	6.87428	
	594867.60	4128745.39	7.85645
594877.96	4128745.39	9.01852	



5TH HIGHEST VALUE IS 10.04915 AT ( 594826.16,  
4128672.59, 51.00, 51.00, 0.00) DC  
6TH HIGHEST VALUE IS 9.88572 AT ( 594877.96,  
4128736.29, 50.75, 50.75, 0.00) DC  
7TH HIGHEST VALUE IS 9.86107 AT ( 594846.88,  
4128699.89, 50.90, 50.90, 0.00) DC  
8TH HIGHEST VALUE IS 9.84113 AT ( 594815.80,  
4128663.49, 51.13, 51.13, 0.00) DC  
9TH HIGHEST VALUE IS 9.60539 AT ( 594867.60,  
4128727.19, 50.86, 50.86, 0.00) DC  
10TH HIGHEST VALUE IS 9.56416 AT ( 594836.52,  
4128690.79, 50.90, 50.90, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\*\* C:\Users\xli\Desktop\5026.0001  
South Bascom\rail\rail.isc \*\*\* 03/11/19  
\*\*\* AERMET - VERSION 14134 \*\*\* \*\*\*  
\*\*\* 22:57:25

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 2 Warning Message(s)  
A Total of 29124 Informational Message(s)  
A Total of 43872 Hours Were Processed  
A Total of 7247 Calm Hours Identified  
A Total of 21877 Missing Hours Identified ( 49.87 Percent)

CAUTION!: Number of Missing Hours Exceeds 10 Percent of Total!  
Data May Not Be Acceptable for Regulatory Applications.  
See Section 5.3.2 of "Meteorological Monitoring Guidance  
for Regulatory Modeling Applications" (EPA-454/R-99-005).

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*



CO W320            22            URBOPT: Input Parameter May Be Out-of-Range for  
Parameter            URB-POP  
MX W481    43873            MAIN: Data Remaining After End of Year.  
Number of Hours=            48

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

Krinjal Mathur  
March 13, 2019

**Attachment B:  
Health Risk Assessment-Rail Line**

## Freight Train DPM Emissions

### Schedules

Number of Weekday Diesel Trains (In/Outbound)	1	Note 1
Annual Number of Diesel Trains - Weekday	364	
Total	364	

### Locomotive Engine Parameters

Average Engine Horsepower	2300	Note 2
Number of Locomotives/train	2	Note 2
Average Load Factor	0.278	Note 3
Run Speed along rail line segment (mph)	10	Note 1
Length of Rail Line Segment in the Air Dispersion Model	0.87 miles	
Run Time Along Rail Line Segment (hour/train)	0.087094	
Total Run Time Along Rail Line Segment (hours/year)	31.7	
DPM Emission Factor (g/hp-hr)	0.030	Assumes Tier IV Emissions
Total Emissions along Rail Line Segment (grams/year)	1214.0	
Total Emissions along Rail Line Segment (tons/year)	0.00134	
Average Emissions along Rail Line Segment (grams/sec)	3.85E-05	

### Notes:

Note 1: Federal Railroad Administration Crossing Inventory at San Jose Station

Note 2: Union Pacific average engine horsepower (Metrolink)

Note 3: see Locomotive Operational Profile worksheet

Locomotive Operational Profile

Average Load Factor for Line-Haul Locomotives

Throttle Notch	% Time in Notch	% of Full Power in Notch	% Full Power x % Time
Idle	38.0%	0.4%	0.002
Dynamic Brake	12.5%	2.1%	0.003
1	6.5%	5.0%	0.003
2	6.5%	11.4%	0.007
3	5.2%	23.5%	0.012
4	4.4%	34.3%	0.015
5	3.8%	48.1%	0.018
6	3.9%	64.3%	0.025
7	3.0%	86.6%	0.026
8	16.2%	102.5%	0.166
<b>Composite</b>			<b>0.278</b>

Throttle Notch	Line-haul	Passenger	Switch
Idle	38.0	47.4	59.8
Dynamic Brake	12.5	6.2	0.0
1	6.5	7.0	12.4
2	6.5	5.1	12.3
3	5.2	5.7	5.8
4	4.4	4.7	3.6
5	3.8	4.0	3.6
6	3.9	2.9	1.5
7	3.0	1.4	0.2
8	16.2	15.6	0.8

[https://yosemite.epa.gov/ee/epa/ria.nsf/vwAN/TS0000510E-01.pdf/\\$file/TS0000510E-01.pdf](https://yosemite.epa.gov/ee/epa/ria.nsf/vwAN/TS0000510E-01.pdf/$file/TS0000510E-01.pdf)

**Table 6.8: Estimated Average Load Factor**

Notch	% of Full Power in Notch	% of Operating Time in Notch	% Full Power x % Time
DB	2.1%	12.5%	0.003
Idle	0.4%	38.0%	0.002
1	5.0%	6.5%	0.003
2	11.4%	6.5%	0.007
3	23.5%	5.2%	0.012
4	34.3%	4.4%	0.015
5	48.1%	3.8%	0.018
6	64.3%	3.9%	0.025
7	86.6%	3.0%	0.026
8	102.5%	16.2%	0.166
<b>Average line haul locomotive load factor:</b>			<b>0.28</b>

[https://www.portoflosangeles.org/pdf/2013\\_Air\\_Emissions\\_Inventory\\_Full\\_Report.pdf](https://www.portoflosangeles.org/pdf/2013_Air_Emissions_Inventory_Full_Report.pdf)

**Cancer Risk Parameters -for DPM**

**BAAQMD Cancer Risk Methodology**

**Unit Cancer Risk Factor = CPF x ASF x DBR x ED x EF x TAH x AF/ AT**

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg/kg-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment and BAAQMD Air Toxics New Source Review Program Health Risk Assessment Guidelines (January 2016)

Sensitive Receptors	<b>Cancer Potency Factor</b>	1.1 milligrams/kg-day				
	<b>Exposure Frequency</b>	350 days				
	<b>Averaging Time</b>	25550 days				
	<b>ASF, DBR, TAH Age Factors</b>				<b>Exposure Duration</b>	<b>Unit Risk Factor (ug/m3)</b>
	<b>Age Group</b>	<b>ASF</b>	<b>95th %/80-DBR</b>	<b>TAH</b>		
	3rd Trimester	10	361	0.85	0.25	11.55942
	0-1 years	10	1090	0.85	1	139.6096
	1-2 years	10	1090	0.85	1	139.6096
	3-16 years	3	572	0.72	14	260.6439
	>16 to 30 years	1	261	0.73	14	40.194
					<b>Total Over 30 years</b>	<b>591.62</b>



Krinjal Mathur  
March 13, 2019

**Attachment C:  
Health Risk Screening—Roadways**

# Roadway Screening Analysis Calculator

County specific tables containing estimates of risk and hazard impacts from roadways in the Bay Area.

## INSTRUCTIONS:

Input the site-specific characteristics of your project by using the drop down menu in the "Search Parameter" box. We recommend that this analysis be used for roadways with 10,000 AADT and above.

- **County:** Select the County where the project is located. The calculator is only applicable for projects within the nine Bay Area counties.
- **Roadway Direction:** Select the orientation that best matches the roadway. If the roadway orientation is neither clearly north-south nor east-west, use the highest values predicted from either orientation.
- **Side of the Roadway:** Identify on which side of the roadway the project is located.
- **Distance from Roadway:** Enter the distance in feet from the nearest edge of the roadway to the project site. The calculator estimates values for distances greater than 10 feet and less than 1000 feet. For distances greater than 1000 feet, the user can choose to extrapolate values using a distribution curve or apply 1000 feet values for greater distances.
- **Annual Average Daily Traffic (ADT):** Enter the annual average daily traffic on the roadway. These data may be collected from the city or the county (if the area is unincorporated).

When the user has completed the data entries, the screening level PM2.5 annual average concentration and the cancer risk results will appear in the Results Box on the right. Please note that the roadway tool is not applicable for California State Highways and the District refers the user to the Highway Screening Analysis Tool at: <http://www.baaqmd.gov/Divisions/Planning-and-Research/CEQA-GUIDELINES/Tools-and-Methodology.aspx>.

Notes and References listed below the Search Boxes

Search Parameters	Results
County	<b>Santa Clara County</b>
Roadway Direction	<b>NORTH-SOUTH DIRECTIONAL ROADWAY</b>
Side of the Roadway	
Distance from Roadway	<b>PM2.5 annual average</b>
Annual Average Daily Traffic (ADT)	<b>0.433</b> ( $\mu\text{g}/\text{m}^3$ )
	<b>Cancer Risk</b>
	<b>18.38</b> (per million)
	Data for Santa Clara County based on meteorological data collected from San Jose Airport in 1997

## Notes and References:

1. Emissions were developed using EMFAC2011 for fleet mix in 2014 assuming 10,000 AADT and includes impacts from diesel and gasoline vehicle exhaust, brake and tire wear, and resuspended dust.
2. Roadways were modeled using CALINE4 air dispersion model assuming a source length of one kilometer. Meteorological data used to estimate the screening values are noted at the bottom of the "Results" box.
3. Cancer risks were estimated for 70 year lifetime exposure starting in 2014 that includes sensitivity values for early life exposures and OEHHA toxicity values adopted in 2013.