North Seneca Solar Project

ORES Permit Application No. 23-00036

1100-2.23 Appendix 22-A

Electric and Magnetic Fields
Revision 1

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EXHIBIT 22A ELECTRIC AND MAGNETIC FIELDS

The information presented in this Exhibit is derived from an electric and magnetic field (EMF) study (Appendix 22A-A) prepared for the North Seneca Solar Project and addresses the requirements of Title 19 New York Codes, Rules and Regulations (16 NYCRR) §1100-2.23.

(a) Introduction

Applied High Voltage preformed an engineering examination of the Electric and Magnetic Fields (EMF) associated with the North Seneca Solar Project. The project is located north of Geneva, Ontario County, New York. This study was performed on the interconnection between the North Seneca Solar Project proposed utility POI switchyard, as depicted in Figure 1, and the existing National Grid 115 kV transmission line system. A transmission line (approximately 93 feet in length) will connect the proposed North Seneca Solar project collector substation to the proposed utility switchyard is included in this study as well.

(b) Description of Electric and Magnetic Fields

The generation, delivery and use of electricity produce electric and magnetic fields. Electric and magnetic fields are created by electrical voltage and electrical current respectively. Electrical facilities, such as power lines associated with the North Seneca Solar 115 kV transmission line project, produce electric and magnetic fields during operation. The exposure to electric and magnetic fields is complex and comes from multiple sources in the home and workplace in addition to power lines.

(c) Units of Measure

Electric field values are reported using units of Volts per meter (V/m). Often the electric field is reported using thousands of Volts per meter (or kV/m).

Magnetic field values are reported using units of gauss (G). However, it is usually more convenient to report magnetic field using milliGauss (mG) which is equal to one-thousandth of a gauss (i.e., 1 mG = 0.001 G).

(d) Electric Fields

The potential or voltage (electrical pressure) on an object, causes and electric field. Any object with an electric charge on it has a voltage (potential) at its surface, caused by the accumulation of more electrons on that surface as compared with another object or surface. The voltage effect is not limited to the surface of the object but exists in the space surrounding the object in diminishing intensity. Electric fields can exert a force on the other electric charges at a distance. The change in voltage over distance is known as the electric field. The electric field becomes stronger near a charged object and decreases with distance away from the object.

In the United States, electric power transmission lines create 60 Hz electric fields. These fields result from the voltage of the transmission line phase conductors with respect to the ground.

Electric field strengths from a transmission line decrease with distance away from the outermost conductor, typically at a rate of approximately one divided by the distance squared (1/d2). As an example, in an unperturbed field, if the electric strength is 10 kV/m at a distance of 1 meter away, it will be approximately 2.5 kV/m at 2 meters away, and 0.625 kV/m at 4 meters away. Electric field strengths for a transmission line remain relatively constant over time because the voltage of the line is kept within bounds of about ± 5 percent of its rated voltage.

(e) Magnetic Fields

An electric current flowing in a conductor (electric equipment, household appliance, power circuits, etc.) creates a magnetic field. The most used magnetic field intensity unit of measure is the milligauss (mG).

Since the magnetic field is caused by the flow of an electric current, a device must be operated to create a magnetic field. Magnetic field strengths of many common household appliances were measure and typical magnetic field values for some appliances have been measured as low as 0.3 mG to as high as 20,000 mG.

Electric power transmission lines also create magnetic fields. These fields are typically generated by the current (amperes) flowing on the phase conductors. The magnetic field is a vector quantity having magnitude and direction.

Similar to the electric field, magnetic field strengths decrease with the inverse square of the distance away from the power line. Unlike electric fields that vary little over time, magnetic fields are not constant overtime because the current on any powerline changes in response to increasing and decreasing electrical load. Magnetic fields are not easily shielded.

(f) Project Description

An evaluation was performed of the power-frequency (60-Hertz) electric and magnetic fields associated with the proposed 115 kV transmission line taps and proposed transmission line between project collector substation and utility switchyard. The purpose of this study was to perform computer modeling of the lines associated with the project and prepare a technical report of the calculation results, which are presented herein. The study took a cross-section at typical locations which contain unique EMF characteristics, and then provided results for those sections which can be used as representative examples for the lines with similar framing or layout.

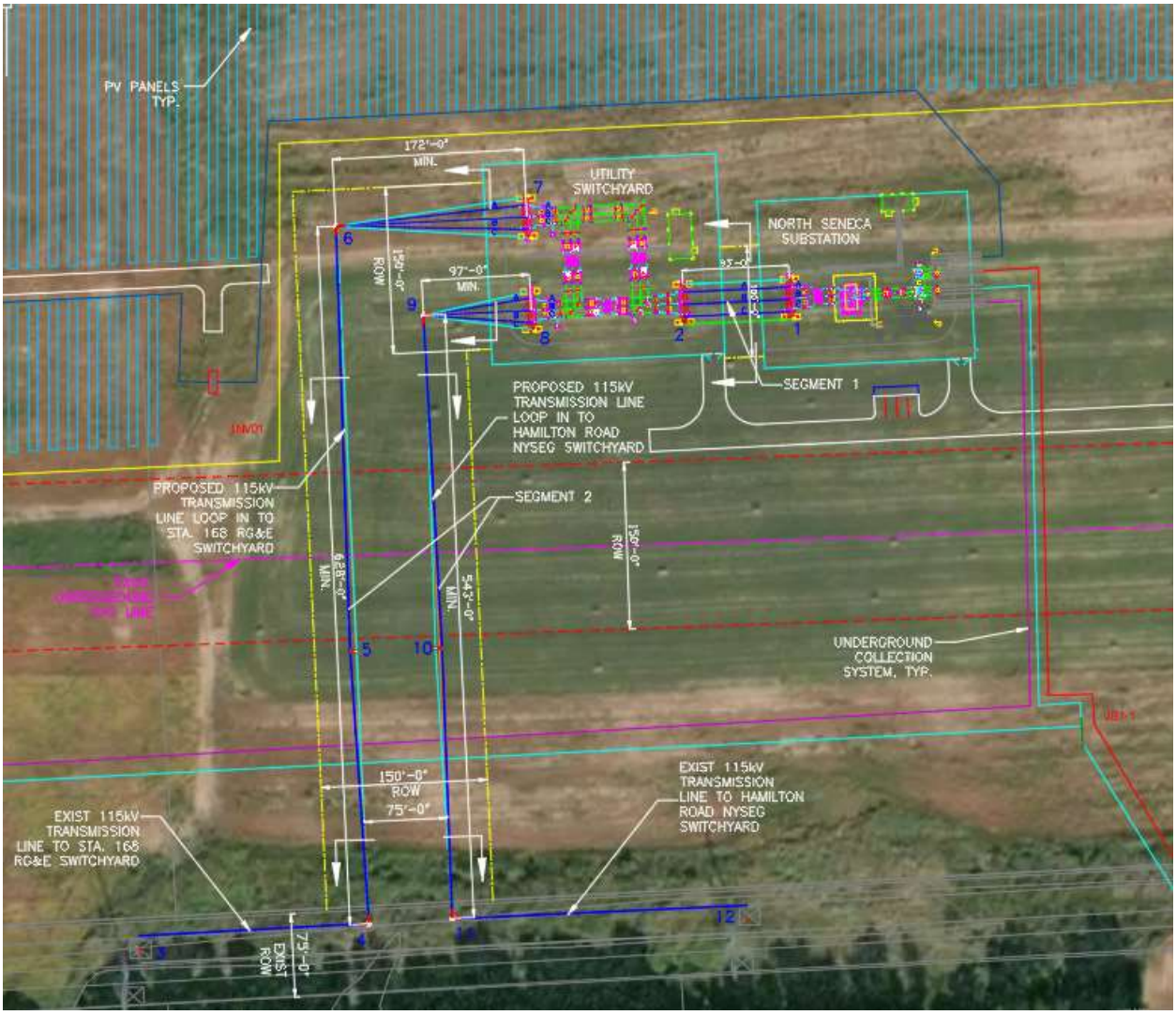


Figure 1: Interconnection Aerial Image

The post-construction EMF levels of the transmission connection were determined based on the geometric characteristics of the proposed structure, and the minimum conductor heights of the span.

The conductor details for the PV generation transmission line considered during this study are outlined in the following table:

Table A: Proposed Parameters for Calculations

Project PV Generator Transmission Line – Parameters used for calculations	
Description	**115 kV Line**
Right of Way	Segment 1 -100ft ROW between project collector substation and utility switchyard Segment 2 -150ft ROW connected with existing National Grid ROW (75ft between transmission line centerline plus 37.5ft on each side of the lines)
Conductors	Segment 1 - 795.0kcmil 26/7 "Drake" ACSR, 1.108" diameter Segment 2 - 795.0kcmil 26/7 "Drake" ACSR, 1.108" diameter
Ampacity	907 Amps Per Phase for both segments
Additional Load	No expected change in amperage during summer, winter normal or emergency. Also, no expected changes during max. average annual load initially or max. average annual load @ 10 years out
Frequency	60Hz
Shield Wires	3/8" HS Steel
Conductors Location	Assumed mid-span sag of 10ft
Measurement Location	3ft above grade
Software Used	PLS-CADD Version 19.01

(g) EMF Standard Design Limits

While there are no federal regulations in the United States governing occupational or residential exposure to 60-Hz EMF, most states have established standards for EMF associated with transmission lines. The following information, sourced from National Institute of Environmental Health Sciences "NIEHS", presents summary of New York State permissible EMF limits. Additionally, it includes the computed maximum EMF values for the planned North Seneca Solar Project.

As indicated in the Table B below, the design of the proposed 115 kV lines for the North Seneca Solar Project will remain within the limits established by the state.

Table B: EMF Standard NY State Design Limits

State Transmission Line Standards (for lines operating at 69–230kV)				
	Electric Field		Magnetic Field	
State	On Right of Way	Edge of Right of Way	On Right of Way	Edge of Right of Way
New York	**11.8 kV/m 11.0 kV/m (highway) 7.0 kV/m (private rd.)**	**1.6 kV/m**	**No limit set**	**200 mG (max load)**
Calculated maximum levels for Proposed North Seneca Solar (Worst Case)				
	Electric Field		Magnetic Field	
Segment 1 - Proposed 115kV line between project collector substation and utility switchyard	0.477 kV/m	0.173 kV/m	70.225 mG	22.531 mG
Segment 2 - Proposed 115kV line tap to exist 115kV t-line (approximately 23.18miles to RG&E Station 168 Farmington)	1.155 kV/m	0.307 kV/m	102.762 mG	41.715 mG
Segment 2 - Proposed 115kV line tap to exist 115kV t-line (approximately 18.55 miles to NYSEG Hamilton Road Switchyard)	1.159 kV/m	0.316 kV/m	102.260 mG	46.959 mG
* See conclusion below, for complete results.				

(h) Generation Loop in Line Configurations

The configurations considered below illustrate the typical structure, phasing and right-of-way (ROW) configuration assumptions for the segments of the proposed 115 kV PV Generator Lines loop in – loop out and segment of the proposed collector substation and POI switchyard.

(i) Existing Utilities

An existing underground gas pipeline is located between POI switchyard and existing National Grid 115kV transmission line system. Proposed 115kV transmission line will cross perpendicular above existing underground gas pipeline at minimum 26ft above grade. It is very common that transmission and distribution line cross perpendicular to underground gas pipeline and gas pipeline ROW's corridors around the country. Multiple studies are available on this topic, all studies indicates that magnitude of induced voltages and currents on the existing underground pipelines is mainly a function of length of pipeline paralleling with transmission lines. Since proposed transmission line will cross almost perpendicular to existing underground gas pipeline there will be no impact EMF impact on the existing underground gas pipeline.

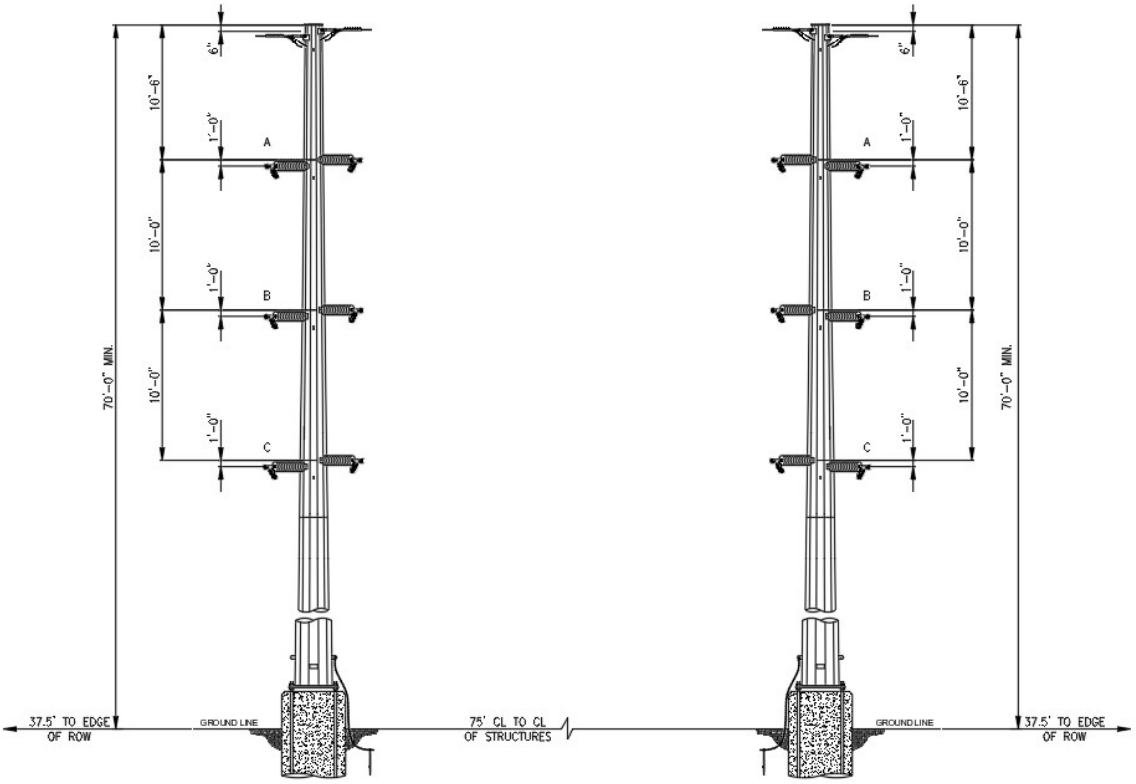


Figure 2: PV Generation Tie Line Cross Section – Segment 2

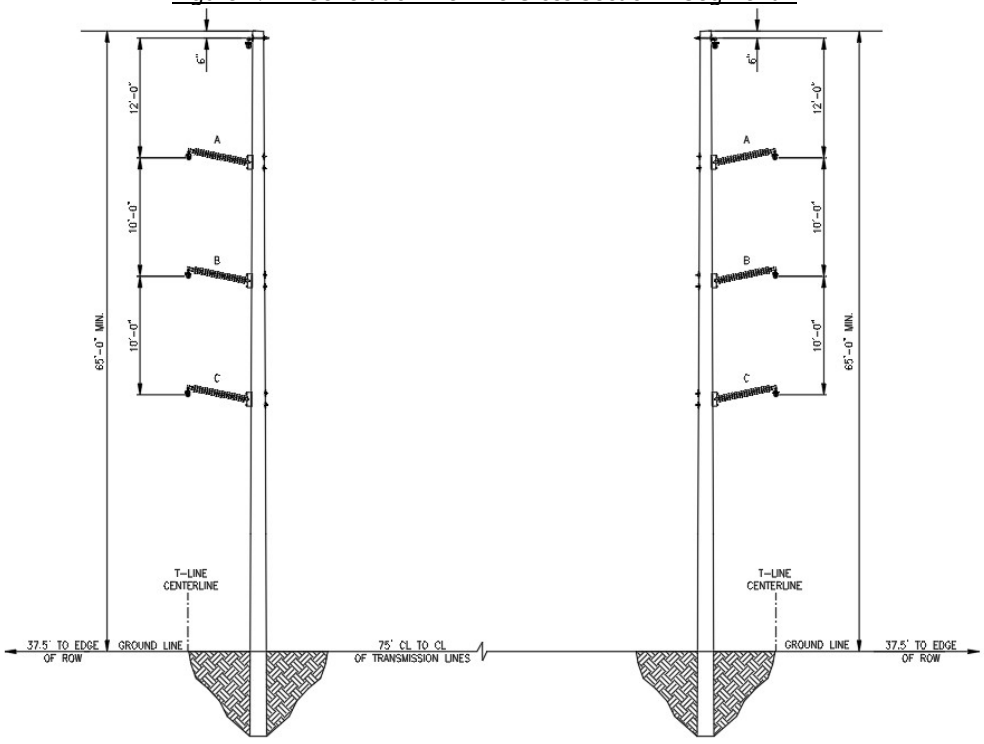


Figure 3: PV Generation Tie Line Mid-Span Cross Section – Segment 2

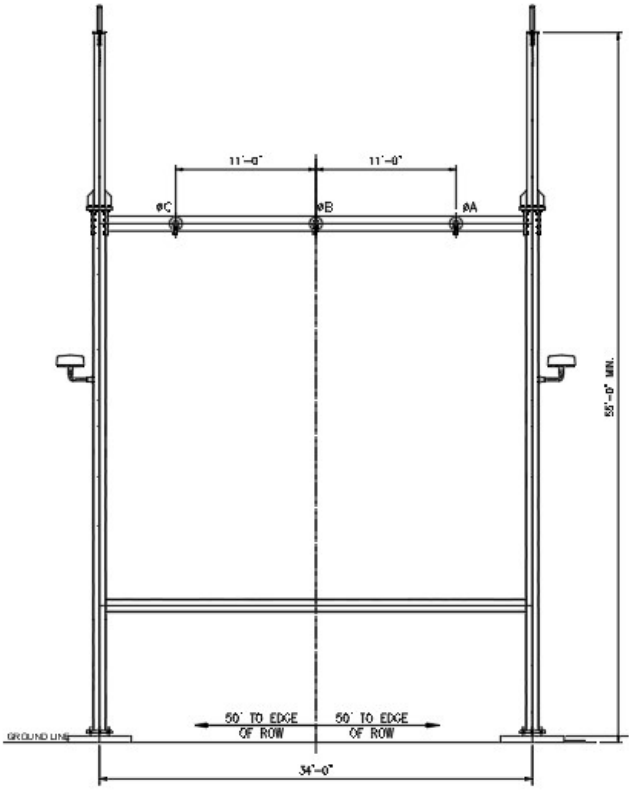


Figure 4: Typical Substation/Switchyard Cross Section – Segment 1

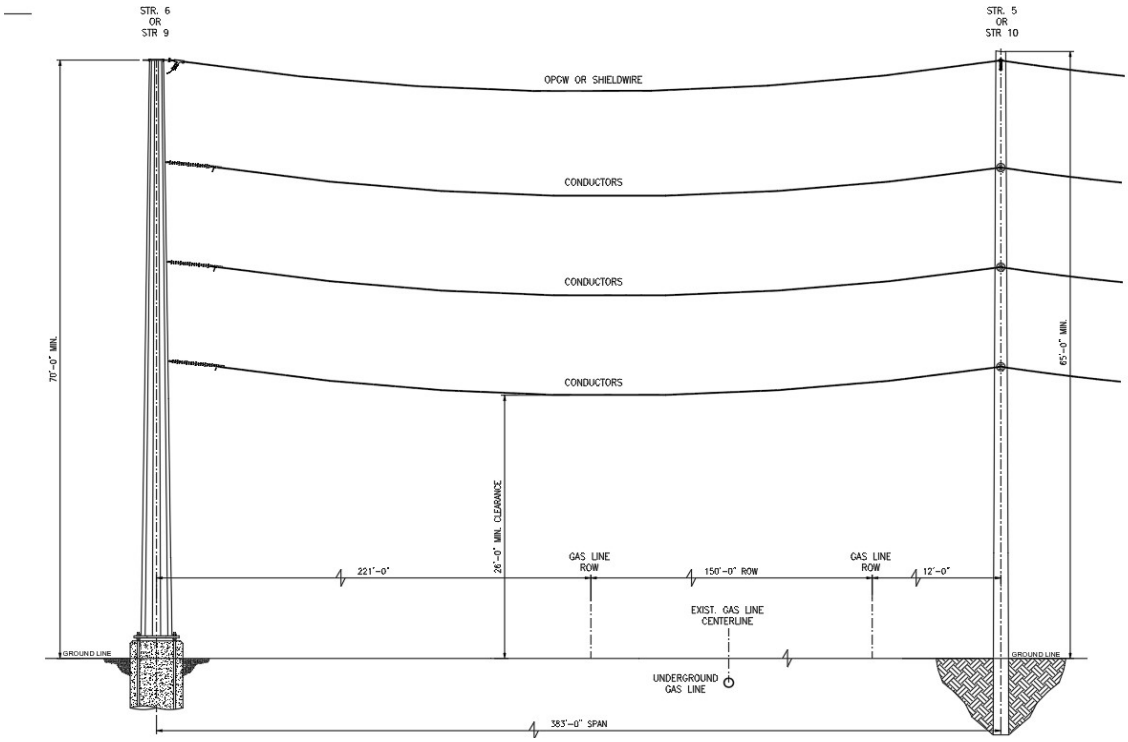


Figure 5: Typical Exist. Gas Line Cross Section – Segment 2

(j) Methodology

EMF levels were computed using PLS CADD Ver. 19.1 Software. A computer simulation was created to determine EMF levels before and after construction at the typical cross-section for both segments of transmission lines (looking towards National Grid switchyard for segment 1 and looking towards existing National Grid transmission lines for segment 2) as indicated on Figure 1. On segment 1, the amount of power generated from solar facility will correspond to nameplate capacity of the solar project at 115kV (90MW AC @ 0.95 PF @ 115kV = 476amps). Since solar Facility will generate the same amount of net power during the summer and winter, the same power should be modeled in all cases. The conductors will be privately owned, and this segment is not considered part of the New York State Transmission System, but an interconnecting line for the solar facility to National Grid switchyard. As such, there is no need to calculate the winter and summer Short Time Emergency (STE) emergency ratings since the conductors can only carry the amount of power from North Seneca solar project. For conservatism and simplicity, we used maximum conductor ampacity of 907amps. On segment 2, the maximum current flowing through National Grid existing lines is unknown currently. For that reason, we used maximum conductor ampacity of 907amps. The EMF study modeled the electric field circuits and magnetic field at rated voltage and provided calculation tables and filed strength graphs calculated at 3.28ft above grade with 5-foot measurement intervals depicting the width of the entire ROW and out to minimum 500ft from the edge of the ROW on both sides. Table A above displays the generated power and the associated current to be transferred through the interconnection. As this constitutes, proposed connection to the Hamilton Road – Station 168 Farmington 115 kV line, the maximum current, except for momentary surges, will be the highest power output from the facility.

(k) EMF Study Results

The following figure provide the outcome of the computed EMF analysis. Upon examining the facility site, it was observed that no close residential property to the transmission interconnection is situated within 1000 feet away. As depicted in the forthcoming figure and the tables included in the Appendix, the electric and magnetic fields diminish substantially beyond the 200-foot mark, approaching nearly zero values.

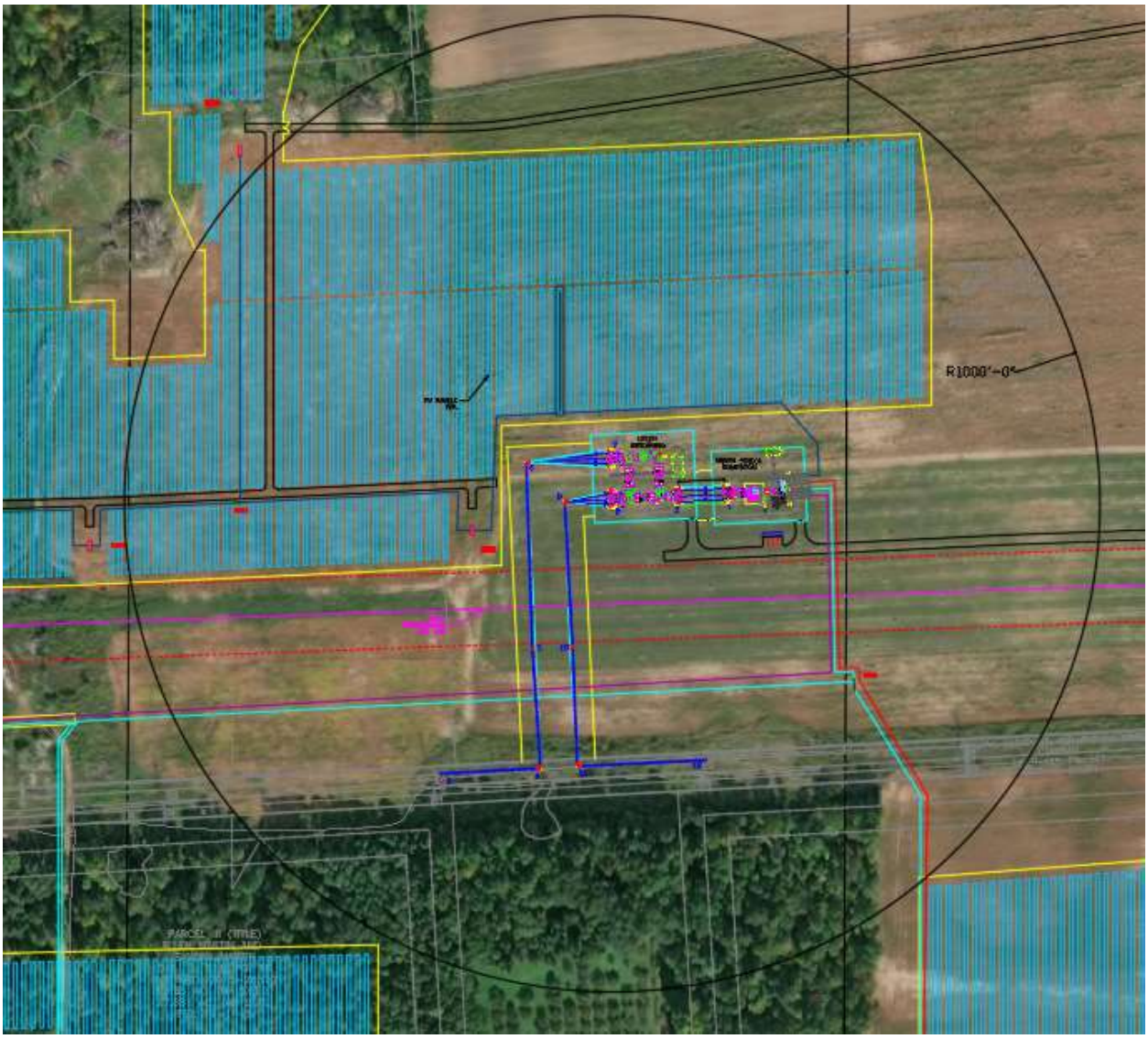


Figure 6: Distance to Nearest Residence

(l) Conclusion

The computed field strengths remain well below any federal or state standards, including those of New York, both at their maximum levels and at the outer limit of the 100-foot right of way. The loading conditions used in this study are anticipated to remain stable and are not expected to vary with the changing seasons.

Segment 1, the maximum calculated electric field level for proposed 115 kV line between project collector substation and utility switchyard is 0.477 kV/m located 6 ft from centerline. The maximum calculated electric field level at the edge of proposed ROW is 0.173kV/m.

Segment 1, the maximum calculated magnetic field level for proposed 115 kV line between project collector substation and utility switchyard is 70.225mG and is located at the centerline. The maximum calculated magnetic field level at the edge of proposed ROW is 22.513mG.

Segment 2, the maximum calculated electric field level for proposed 115 kV line loop in and out to the existing 115kV line (approximately 23.18miles to RG&E Station 168 Farmington) is 1.155 kV/m located 11 ft from centerline. The maximum calculated electric field level at the edge of proposed ROW is 0.307 kV/m.

Segment 2, the maximum calculated magnetic field level for proposed 115 kV line loop in and out to the existing 115kV line (approximately 23.18miles to RG&E Station 168 Farmington) is 102.762mG and is located at the centerline. The maximum calculated magnetic field level at the edge of proposed ROW is 41.715mG.

Segment 2, the maximum calculated electric field level for proposed 115 kV line loop in and out to the existing 115kV line (approximately 18.55 miles to Hamilton Road switchyard) is 1.159 kV/m located 12 ft from centerline. The maximum calculated electric field level at the edge of proposed ROW is 0.316 kV/m.

Segment 2, the maximum calculated magnetic field level for proposed 115 kV line loop in and out to the existing 115kV line (approximately 18.55 miles to Hamilton Road switchyard) is 102.260mG and is located at the centerline. The maximum calculated magnetic field level at the edge of proposed ROW is 46.959mG.

Therefore, the highest computed electric field strength along proposed transmission interconnections corridor measure 1.159 kV/m positioned 12 feet from the loop in centerline. The highest computed magnetic field level on the intended interconnection corridor measures 102.762mG located at the centerline of proposed ROW.

The study findings indicate that the electric field levels at the edge of the proposed right-of-way, situated 75 feet from centerline, amount to 0.316 kV/m. This electric field level is well below the 1.6kV/m maximum electric field level permitted at the edge of a transmission right-of-way in New York occupied by a major transmission line per the New York State Public Service Commission (NYS PSC) Interim Guideline. The study also finds that the magnetic fields levels at the edge of the nearest proposed ROW is 46.959mG. This magnetic field level is well below the 200mG maximum field level permitted by the NYS PSC Interim Guideline.

In conclusion, this report calculated the EMF levels due to the North Seneca Solar Project interconnection and found that these levels are well within the established federal and NYS guidelines. This study also concluded that the nearest residence, located 1375 feet away, will find negligible EMF levels due to the proposed interconnection.

Appendix 22A-A: Software Output Data

SEGMENT 1

PLS-CADD Version 19.01x64 3:54:41 PM Wednesday, November 6, 2024
Applied High Voltage LLC
Project Name: 'C:\Users\North Seneca EMF EDR\North Seneca EMF.don'
Line Title: 'North Seneca'

3D EMF Calculation Notes:
  1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
  2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
  3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
  4) Ground return is being ignored for magnetic field calculations.

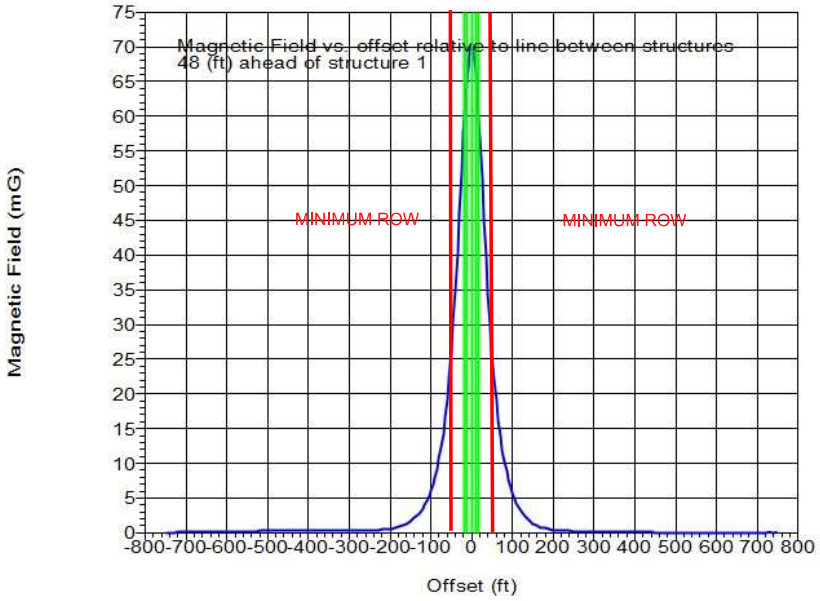
Meter height above ground: 3.28 (ft) measurement location above ground
Maximum wire distance: 750.00 (ft)
Maximum cable segment size: 9.80 (ft)
Cross section offset +/-: 750.00 (ft) cross section width +/- 500ft on each side
Result interval: 5.00 (ft) measurement intervals
Electric field limit: 1.60 (kV/m)
Magnetic field limit: 200.00 (mG)
Space potential limit: 0.00 (kV)
Contour Map Spacing: 15 (ft)
Analyzing spans between these structures: 1 - 2 Segment 1 - between substation dead-end and switchyard dead-end

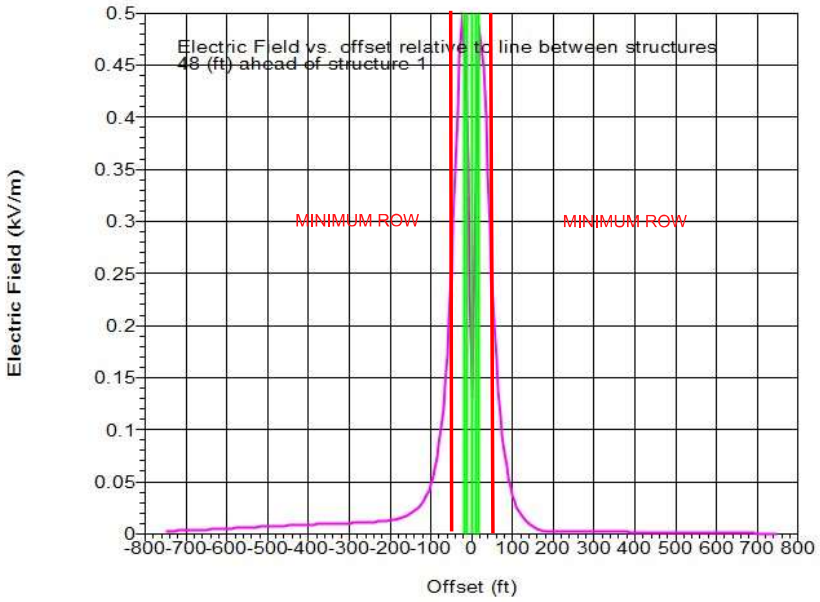
One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	AC-34-52-646.wir	AFL OPGW 48 Fiber AlumaCore AC-34/52/646	1	0.000	0.323	120 Deg F	Initial RS	Left	120.000	0.323
2		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
3		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
4		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
5		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
6		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
7		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
8		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
9		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
10		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
11		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180

Mid-span cross section results between structures 1 and 2


Magnetic Field vs. offset relative to line between structures
48 (ft) ahead of structure 1
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
Offset (ft)
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-800 -700 -600 -500 -400 -300 -200 -100 0 100 200 300 400 500 600 700 800


Electric Field vs. offset relative to line between structures
48 (ft) ahead of structure 1
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
Offset (ft)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-800 -700 -600 -500 -400 -300 -200 -100 0 100 200 300 400 500 600 700 800

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 1072217.2-107212.2= 5ft in Y direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 1 to 2:

Measurement			B					H						Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
727392.8	1072212.2	523.4	0.031	0.026	39.7	0.040	21.7	0.003	0.002	0.001	20.7	0.003	0.0	0.006	0.002	20.6	0.006
727392.5	1072217.2	523.3	0.035	0.027	38.3	0.044	21.0	0.004	0.003	0.001	20.5	0.003	0.0	0.006	0.002	20.3	0.006
727392.3	1072222.2	523.2	0.036	0.028	38.2	0.046	20.4	0.004	0.003	0.001	20.5	0.003	0.0	0.006	0.002	20.3	0.006
727392.1	1072227.2	523.2	0.037	0.029	38.1	0.048	19.9	0.004	0.003	0.001	20.5	0.003	0.0	0.006	0.002	20.3	0.006
727391.8	1072232.2	523.1	0.039	0.030	38.0	0.050	19.4	0.004	0.003	0.001	20.5	0.003	0.0	0.006	0.002	20.3	0.006
727391.6	1072237.2	523.0	0.099	0.071	35.8	0.122	5.2	0.010	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727391.4	1072242.2	522.9	0.101	0.073	35.7	0.125	5.2	0.010	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727391.1	1072247.2	522.8	0.104	0.075	35.6	0.128	5.2	0.010	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727390.9	1072252.2	522.7	0.107	0.076	35.6	0.131	5.3	0.010	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727390.6	1072257.2	522.6	0.110	0.078	35.5	0.135	5.3	0.011	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727390.4	1072262.2	522.5	0.113	0.080	35.4	0.138	5.3	0.011	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727390.2	1072267.2	522.4	0.116	0.082	35.3	0.142	5.3	0.011	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727389.9	1072272.2	522.3	0.119	0.084	35.3	0.146	5.3	0.012	0.003	0.001	20.3	0.003	0.0	0.006	0.002	19.9	0.007
727389.7	1072277.2	522.2	0.122	0.086	35.2	0.150	5.3	0.012	0.003	0.001	20.3	0.004	0.0	0.007	0.002	19.9	0.007
727389.4	1072282.2	522.1	0.126	0.089	35.1	0.154	5.4	0.012	0.003	0.001	20.3	0.004	0.0	0.007	0.002	19.9	0.007
727389.2	1072287.1	522.1	0.129	0.091	35.1	0.158	5.4	0.013	0.003	0.001	20.3	0.004	0.0	0.007	0.002	19.9	0.007
727389.0	1072292.1	522.0	0.133	0.093	35.0	0.163	5.4	0.013	0.004	0.001	20.3	0.004	0.0	0.007	0.002	19.9	0.007
727388.7	1072297.1	522.0	0.137	0.096	34.9	0.167	5.4	0.013	0.004	0.001	20.3	0.004	0.0	0.007	0.003	19.9	0.007
727388.5	1072302.1	521.9	0.141	0.098	34.8	0.172	5.4	0.014	0.004	0.001	20.3	0.004	0.0	0.007	0.003	19.9	0.007
727388.3	1072307.1	521.9	0.145	0.101	34.8	0.176	5.4	0.014	0.004	0.001	20.3	0.004	0.0	0.007	0.003	19.9	0.008
727388.0	1072312.1	521.8	0.149	0.103	34.7	0.181	5.4	0.014	0.004	0.001	20.3	0.004	0.0	0.007	0.003	19.9	0.008
727387.8	1072317.1	521.7	0.153	0.106	34.6	0.186	5.4	0.015	0.004	0.001	20.3	0.004	0.0	0.007	0.003	19.9	0.008
727387.5	1072322.1	521.7	0.098	0.068	34.9	0.119	10.1	0.009	0.004	0.001	20.1	0.004	0.0	0.007	0.003	19.4	0.008
727387.3	1072327.1	521.6	0.102	0.071	34.8	0.124	9.9	0.010	0.004	0.002	20.1	0.004	0.0	0.008	0.003	19.4	0.008
727387.1	1072332.1	521.6	0.106	0.073	34.6	0.129	9.7	0.010	0.004	0.002	20.1	0.004	0.0	0.008	0.003	19.4	0.008
727386.8	1072337.1	521.5	0.110	0.076	34.5	0.134	9.5	0.011	0.004	0.002	20.1	0.005	0.0	0.008	0.003	19.3	0.008
727386.6	1072342.1	521.5	0.115	0.078	34.4	0.139	9.4	0.011	0.004	0.002	20.1	0.005	0.1	0.008	0.003	19.3	0.008
727386.3	1072347.1	521.4	0.119	0.081	34.3	0.144	9.2	0.011	0.004	0.002	20.1	0.005	0.1	0.008	0.003	19.3	0.008
727386.1	1072352.1	521.4	0.124	0.084	34.1	0.149	9.0	0.012	0.005	0.002	20.1	0.005	0.1	0.008	0.003	19.3	0.009
727385.9	1072357.1	521.4	0.128	0.087	34.0	0.155	8.9	0.012	0.005	0.002	20.1	0.005	0.1	0.008	0.003	19.3	0.009
727385.6	1072362.1	521.3	0.133	0.089	33.9	0.160	8.7	0.013	0.005	0.002	20.1	0.005	0.1	0.008	0.003	19.3	0.009
727385.4	1072367.1	521.3	0.138	0.092	33.8	0.166	8.6	0.013	0.005	0.002	20.1	0.005	0.1	0.009	0.003	19.3	0.009
727385.2	1072372.1	521.3	0.143	0.095	33.7	0.172	8.4	0.014	0.005	0.002	20.1	0.005	0.1	0.009	0.003	19.3	0.009
727384.9	1072377.0	521.2	0.148	0.098	33.6	0.178	8.3	0.014	0.005	0.002	20.1	0.005	0.1	0.009	0.003	19.3	0.009
727384.7	1072382.0	521.2	0.153	0.101	33.5	0.184	8.2	0.015	0.005	0.002	20.1	0.005	0.1	0.009	0.003	19.3	0.009
727384.4	1072387.0	521.2	0.159	0.104	33.4	0.190	8.0	0.015	0.005	0.002	20.1	0.006	0.1	0.009	0.003	19.3	0.010
727384.2	1072392.0	521.1	0.164	0.108	33.3	0.196	7.9	0.016	0.005	0.002	20.1	0.006	0.1	0.009	0.003	19.3	0.010
727384.0	1072397.0	521.1	0.169	0.111	33.2	0.202	7.8	0.016	0.005	0.002	20.1	0.006	0.1	0.009	0.003	19.3	0.010
727383.7	1072402.0	521.1	0.175	0.114	33.1	0.209	7.6	0.017	0.005	0.002	20.1	0.006	0.1	0.010	0.003	19.3	0.010
727383.5	1072407.0	521.1	0.181	0.117	33.0	0.215	7.5	0.017	0.006	0.002	20.1	0.006	0.1	0.010	0.003	19.3	0.010
727383.2	1072412.0	521.0	0.186	0.120	32.9	0.222	7.4	0.018	0.006	0.002	20.1	0.006	0.1	0.010	0.003	19.3	0.010
727383.0	1072417.0	521.0	0.192	0.124	32.8	0.228	7.3	0.018	0.006	0.002	20.1	0.006	0.1	0.010	0.003	19.3	0.011
727382.8	1072422.0	521.0	0.198	0.127	32.7	0.235	7.2	0.019	0.006	0.002	20.1	0.006	0.1	0.010	0.004	19.3	0.011
727382.5	1072427.0	520.9	0.203	0.130	32.7	0.241	7.1	0.019	0.006	0.002	20.1	0.006	0.1	0.010	0.004	19.3	0.011
727382.3	1072432.0	520.9	0.209	0.134	32.6	0.248	6.9	0.020	0.006	0.002	20.1	0.006	0.1	0.010	0.004	19.3	0.011
727382.1	1072437.0	520.9	0.215	0.137	32.5	0.255	6.8	0.020	0.006	0.002	20.1	0.007	0.1	0.011	0.004	19.3	0.011
727381.8	1072442.0	520.9	0.221	0.140	32.4	0.261	6.7	0.021	0.006	0.002	20.1	0.007	0.1	0.011	0.004	19.3	0.011
727381.6	1072447.0	520.9	0.226	0.144	32.4	0.268	6.6	0.021	0.006	0.002	20.1	0.007	0.1	0.011	0.004	19.3	0.012
727381.3	1072452.0	520.9	0.232	0.147	32.3	0.275	6.5	0.022	0.006	0.002	20.1	0.007	0.1	0.011	0.004	19.3	0.012
727381.1	1072457.0	520.8	0.238	0.150	32.2	0.281	6.4	0.022	0.007	0.002	20.1	0.007	0.1	0.011	0.004	19.3	0.012
727380.9	1072461.9	520.8	0.244	0.153	32.2	0.288	6.3	0.023	0.007	0.002	20.0	0.007	0.1	0.012	0.004	19.3	0.012
727380.6	1072466.9	520.7	0.249	0.157	32.1	0.294	6.2	0.023	0.007	0.002	20.0	0.007	0.1	0.012	0.004	19.3	0.012
727380.4	1072471.9	520.7	0.255	0.160	32.1	0.301	6.1	0.024	0.007	0.002	20.0	0.007	0.1	0.012	0.004	19.2	0.012
727380.1	1072476.9	520.6	0.260	0.163	32.0	0.307	6.0	0.024	0.007	0.003	20.0	0.007	0.1	0.012	0.004	19.2	0.013
727379.9	1072481.9	520.5	0.266	0.166	32.0	0.313	5.9	0.025	0.007	0.003	20.0	0.007	0.1	0.012	0.004	19.2	0.013
727379.7	1072486.9	520.5	0.271	0.169	31.9	0.320	5.9	0.025	0.007	0.003	20.0	0.008	0.1	0.012	0.004	19.2	0.013
727379.4	1072491.9	520.4	0.277	0.172	31.8	0.326	5.8	0.026	0.007	0.003	20.0	0.008	0.1	0.012	0.004	19.2	0.013
727379.2	1072496.9	520.4	0.282	0.175	31.8	0.332	5.7	0.026	0.007	0.003	20.0	0.008	0.1	0.012	0.004	19.2	0.013
727378.9	1072501.9	520.3	0.287	0.178	31.7	0.338	5.6	0.027	0.007	0.003	20.0	0.008	0.1	0.012	0.004	19.2	0.013
727378.7	1072506.9	520.2	0.292	0.180	31.7	0.343	5.5	0.027	0.007	0.003	20.0	0.008	0.1	0.013	0.004	19.2	0.013
727378.5	1072511.9	520.2	0.297	0.183	31.7	0.349	5.4	0.028	0.008	0.003	20.0	0.008	0.1	0.013	0.004	19.1	0.013
727378.2	1072516.9	520.1	0.302	0.186	31.6	0.355	5.3	0.028	0.008	0.003	20.0	0.008	0.1	0.013	0.004	19.1	0.014

727378.0	1072521.9	520.1	0.307	0.188	31.6	0.360	5.3	0.029	0.008	0.003	19.9	0.008	0.1	0.013	0.004	19.1	0.014
727377.8	1072526.9	520.0	0.311	0.191	31.5	0.365	5.2	0.029	0.008	0.003	19.9	0.008	0.1	0.013	0.005	19.1	0.014
727377.5	1072531.9	520.0	0.316	0.193	31.5	0.370	5.1	0.029	0.008	0.003	19.9	0.008	0.1	0.013	0.005	19.1	0.014
727377.3	1072536.9	519.9	0.320	0.196	31.5	0.375	5.0	0.030	0.008	0.003	19.9	0.008	0.1	0.013	0.005	19.0	0.014
727377.0	1072541.9	519.8	0.324	0.198	31.4	0.380	4.9	0.030	0.008	0.003	19.9	0.009	0.1	0.013	0.005	19.0	0.014
727376.8	1072546.9	519.7	0.328	0.200	31.4	0.384	4.9	0.031	0.008	0.003	19.9	0.009	0.1	0.013	0.005	19.0	0.014
727376.6	1072551.8	519.6	0.332	0.202	31.4	0.389	4.8	0.031	0.008	0.003	19.9	0.009	0.1	0.013	0.005	19.0	0.014
727376.3	1072556.8	519.5	0.335	0.204	31.3	0.393	4.7	0.031	0.008	0.003	19.8	0.009	0.1	0.013	0.005	18.9	0.014
727376.1	1072561.8	519.4	0.339	0.206	31.3	0.397	4.6	0.032	0.008	0.003	19.8	0.009	0.1	0.013	0.005	18.9	0.014
727375.8	1072566.8	519.3	0.342	0.208	31.3	0.400	4.6	0.032	0.008	0.003	19.8	0.009	0.1	0.013	0.005	18.9	0.014
727375.6	1072571.8	519.2	0.345	0.209	31.2	0.404	4.5	0.032	0.008	0.003	19.8	0.009	0.1	0.013	0.005	18.8	0.014
727375.4	1072576.8	519.1	0.348	0.211	31.2	0.407	4.4	0.032	0.009	0.003	19.8	0.009	0.1	0.013	0.005	18.8	0.014
727375.1	1072581.8	519.1	0.351	0.212	31.2	0.410	4.3	0.033	0.009	0.003	19.8	0.009	0.1	0.013	0.005	18.8	0.014
727374.9	1072586.8	519.0	0.353	0.214	31.2	0.413	4.3	0.033	0.009	0.003	19.7	0.009	0.1	0.013	0.005	18.7	0.014
727374.7	1072591.8	518.9	0.356	0.215	31.2	0.415	4.2	0.033	0.009	0.003	19.7	0.009	0.1	0.014	0.005	18.7	0.014
727374.4	1072596.8	518.8	0.358	0.216	31.1	0.418	4.1	0.033	0.009	0.003	19.7	0.009	0.1	0.014	0.005	18.7	0.014
727374.2	1072601.8	518.7	0.359	0.217	31.1	0.420	4.1	0.033	0.009	0.003	19.7	0.009	0.1	0.014	0.005	18.6	0.014
727373.9	1072606.8	518.6	0.361	0.218	31.1	0.422	4.0	0.034	0.009	0.003	19.6	0.010	0.1	0.014	0.005	18.6	0.014
727373.7	1072611.8	518.5	0.362	0.219	31.1	0.423	3.9	0.034	0.009	0.003	19.6	0.010	0.1	0.014	0.005	18.5	0.014
727373.5	1072616.8	518.4	0.363	0.219	31.1	0.424	3.8	0.034	0.009	0.003	19.6	0.010	0.1	0.014	0.005	18.5	0.014
727373.2	1072621.8	518.3	0.364	0.220	31.1	0.425	3.8	0.034	0.009	0.003	19.6	0.010	0.1	0.013	0.004	18.5	0.014
727373.0	1072626.8	518.2	0.365	0.220	31.1	0.426	3.7	0.034	0.009	0.003	19.5	0.010	0.1	0.013	0.004	18.4	0.014
727372.7	1072631.8	518.1	0.365	0.220	31.1	0.426	3.6	0.034	0.009	0.003	19.5	0.010	0.1	0.013	0.004	18.4	0.014
727372.5	1072636.7	518.0	0.365	0.220	31.1	0.426	3.6	0.034	0.009	0.003	19.5	0.010	0.1	0.013	0.004	18.3	0.014
727372.3	1072641.7	517.9	0.365	0.220	31.1	0.426	3.5	0.034	0.009	0.003	19.4	0.010	0.1	0.013	0.004	18.2	0.014
727372.0	1072646.7	517.8	0.365	0.220	31.1	0.426	3.4	0.034	0.009	0.003	19.4	0.010	0.1	0.013	0.004	18.2	0.014
727371.8	1072651.7	517.7	0.364	0.220	31.1	0.425	3.4	0.034	0.010	0.003	19.4	0.010	0.1	0.013	0.004	18.1	0.014
727371.6	1072656.7	517.6	0.363	0.219	31.1	0.424	3.3	0.034	0.010	0.003	19.3	0.010	0.1	0.013	0.004	18.1	0.014
727371.3	1072661.7	517.5	0.362	0.219	31.1	0.423	3.3	0.034	0.010	0.003	19.3	0.010	0.1	0.013	0.004	18.0	0.014
727371.1	1072666.7	517.4	0.361	0.218	31.1	0.422	3.3	0.034	0.010	0.003	19.2	0.010	0.1	0.013	0.004	18.0	0.014
727370.8	1072671.7	517.3	0.360	0.217	31.1	0.420	3.3	0.033	0.010	0.003	19.2	0.010	0.1	0.013	0.004	17.9	0.014
727370.6	1072676.7	517.2	0.359	0.216	31.1	0.419	3.3	0.033	0.010	0.003	19.1	0.010	0.1	0.013	0.004	17.8	0.014
727370.4	1072681.7	517.0	0.357	0.215	31.1	0.417	3.3	0.033	0.010	0.003	19.1	0.011	0.1	0.013	0.004	17.7	0.014
727370.1	1072686.7	516.9	0.356	0.214	31.1	0.415	3.4	0.033	0.010	0.003	19.1	0.011	0.1	0.013	0.004	17.7	0.014
727369.9	1072691.7	516.8	0.354	0.213	31.0	0.414	3.5	0.033	0.010	0.003	19.0	0.011	0.1	0.013	0.004	17.6	0.014
727369.6	1072696.7	516.7	0.353	0.212	31.0	0.412	3.6	0.033	0.010	0.004	19.0	0.011	0.1	0.013	0.004	17.5	0.014
727369.4	1072701.7	516.5	0.353	0.212	30.9	0.412	3.8	0.033	0.010	0.004	18.9	0.011	0.1	0.013	0.004	17.4	0.013
727369.2	1072706.7	516.4	0.353	0.211	30.9	0.411	4.1	0.033	0.010	0.004	18.9	0.011	0.1	0.013	0.004	17.3	0.013
727368.9	1072711.7	516.2	0.354	0.211	30.7	0.412	4.4	0.033	0.011	0.004	18.8	0.011	0.1	0.013	0.004	17.2	0.013
727368.7	1072716.7	516.1	0.357	0.211	30.6	0.414	4.7	0.033	0.011	0.004	18.7	0.011	0.1	0.012	0.004	17.1	0.013
727368.5	1072721.7	516.0	0.361	0.212	30.4	0.419	5.0	0.033	0.011	0.004	18.7	0.011	0.1	0.012	0.004	17.0	0.013
727368.2	1072726.6	515.9	0.368	0.213	30.1	0.425	5.3	0.034	0.011	0.004	18.6	0.012	0.1	0.012	0.004	16.9	0.013
727368.0	1072731.6	515.8	0.377	0.216	29.8	0.434	5.6	0.035	0.011	0.004	18.6	0.012	0.1	0.012	0.004	16.9	0.013
727367.7	1072736.6	515.7	0.389	0.220	29.5	0.447	5.8	0.036	0.011	0.004	18.5	0.012	0.1	0.013	0.004	16.8	0.013
727367.5	1072741.6	515.6	0.406	0.226	29.1	0.465	6.0	0.037	0.011	0.004	18.4	0.012	0.1	0.013	0.004	16.7	0.013
727367.3	1072746.6	515.5	0.427	0.234	28.7	0.487	6.1	0.039	0.012	0.004	18.4	0.012	0.1	0.013	0.004	16.6	0.013
727367.0	1072751.6	515.4	0.454	0.244	28.2	0.515	6.0	0.041	0.012	0.004	18.3	0.012	0.1	0.013	0.004	16.5	0.013
727366.8	1072756.6	515.3	0.487	0.257	27.8	0.550	5.9	0.044	0.012	0.004	18.2	0.013	0.1	0.013	0.004	16.4	0.014
727366.5	1072761.6	515.2	0.527	0.273	27.4	0.593	5.6	0.047	0.012	0.004	18.2	0.013	0.1	0.013	0.004	16.4	0.014
727366.3	1072766.6	515.2	0.574	0.293	27.1	0.644	5.3	0.051	0.013	0.004	18.1	0.013	0.1	0.013	0.004	16.3	0.014
727366.1	1072771.6	515.1	0.630	0.317	26.7	0.705	4.9	0.056	0.013	0.004	18.0	0.014	0.1	0.014	0.004	16.2	0.014
727365.8	1072776.6	515.0	0.695	0.346	26.5	0.776	4.5	0.062	0.013	0.004	18.0	0.014	0.1	0.014	0.004	16.2	0.015
727365.6	1072781.6	514.9	0.771	0.380	26.2	0.859	4.1	0.068	0.014	0.004	17.9	0.015	0.1	0.015	0.004	16.1	0.015
727365.3	1072786.6	514.9	0.858	0.419	26.0	0.955	3.7	0.076	0.014	0.005	17.8	0.015	0.1	0.015	0.004	16.1	0.016
727365.1	1072791.6	514.8	0.958	0.465	25.9	1.065	3.3	0.085	0.015	0.005	17.8	0.016	0.1	0.015	0.004	16.0	0.016
727364.9	1072796.6	514.7	1.073	0.518	25.8	1.191	3.0	0.095	0.016	0.005	17.7	0.016	0.1	0.016	0.005	16.0	0.017
727364.6	1072801.6	514.7	1.205	0.578	25.6	1.336	2.6	0.106	0.016	0.005	17.7	0.017	0.1	0.017	0.005	16.0	0.017
727364.4	1072806.6	514.6	1.355	0.648	25.6	1.502	2.3	0.120	0.017	0.005	17.6	0.018	0.1	0.018	0.005	16.0	0.018
727364.2	1072811.6	514.6	1.527	0.728	25.5	1.692	2.1	0.135	0.018	0.006	17.5	0.019	0.1	0.019	0.005	16.0	0.019
727363.9	1072816.5	514.6	1.724	0.820	25.4	1.909	1.8	0.152	0.019	0.006	17.5	0.020	0.1	0.020	0.006	16.0	0.021
727363.7	1072821.5	514.5	1.949	0.924	25.4	2.157	1.6	0.172	0.021	0.007	17.4	0.022	0.1	0.021	0.006	16.0	0.022
727363.4	1072826.5	514.5	2.206	1.044	25.3	2.441	1.5	0.194	0.022	0.007	17.4	0.024	0.1	0.023	0.007	16.0	0.024
727363.2	1072831.5	514.5	2.502	1.181	25.3	2.766	1.4	0.220	0.024	0.008	17.3	0.025	0.1	0.025	0.007	16.1	0.026
727363.0	1072836.5	514.4	2.841	1.338	25.2	3.140	1.3	0.250	0.027	0.008	17.3	0.028	0.1	0.027	0.008	16.1	0.028
727362.7	1072841.5	514.4	3.231	1.519	25.2	3.571	1.2	0.284	0.029	0.009	17.2	0.031	0.1	0.030	0.009	16.1	0.031
727362.5	1072846.5	514.4	3.682	1.727	25.1	4.067	1.2	0.324	0.032	0.010	17.2	0.034	0.1	0.033	0.010	16.2	0.035
727362.2	1072851.5	514.4	4.204	1.966	25.1	4.642	1.2	0.369	0.036	0.011	17.1	0.038	0.1	0.037	0.011	16.2	0.039
727362.0	1072856.5	514.4	4.809	2.244	25.0	5.307	1.3	0.422	0.041	0.013	17.1	0.043	0.1	0.042	0.012	16.3	0.044
727361.8	1072861.5	514.4	5.512	2.565	25.0	6.079	1.4	0.484	0.046	0.014	17.0	0.048	0.1	0.048	0.014	16.3	0.050

727361.5	1072866.5	514.4	6.330	2.937	24.9	6.979	1.5	0.555	0.053	0.016	17.0	0.055	0.1	0.055	0.016	16.3	0.057
727361.3	1072871.5	514.4	7.285	3.371	24.8	8.027	1.7	0.639	0.061	0.019	16.9	0.064	0.1	0.064	0.019	16.4	0.066
727361.1	1072876.5	514.4	8.402	3.876	24.8	9.253	1.9	0.736	0.071	0.021	16.8	0.074	0.1	0.074	0.022	16.4	0.077
727360.8	1072881.5	514.4	9.709	4.467	24.7	10.687	2.2	0.850	0.083	0.025	16.8	0.087	0.1	0.087	0.026	16.4	0.091
727360.6	1072886.5	514.3	11.242	5.159	24.6	12.369	2.5	0.984	0.098	0.029	16.7	0.102	0.1	0.103	0.030	16.4	0.107
727360.3	1072891.5	514.3	13.040	5.970	24.6	14.342	2.9	1.141	0.116	0.035	16.7	0.121	0.1	0.122	0.036	16.4	0.128
727360.1	1072896.5	514.3	15.149	6.923	24.6	16.656	3.4	1.325	0.139	0.041	16.6	0.145	0.1	0.146	0.043	16.5	0.152
727359.9	1072901.4	514.3	17.618	8.042	24.5	19.366	3.9	1.541	0.166	0.050	16.7	0.173	0.2	0.175	0.052	16.6	0.183
727359.6	1072906.4	514.3	20.497	9.356	24.5	22.531	4.6	1.793	0.199	0.060	16.7	0.208	0.3	0.210	0.063	16.7	0.219
727359.4	1072911.4	514.3	23.835	10.896	24.6	26.208	5.4	2.086	0.239	0.073	16.9	0.250	0.4	0.251	0.076	16.9	0.263
727359.1	1072916.4	514.3	27.649	12.689	24.7	30.421	6.5	2.421	0.285	0.088	17.2	0.298	0.6	0.297	0.092	17.3	0.311
727358.9	1072921.4	514.2	31.925	14.755	24.8	35.169	7.7	2.799	0.335	0.107	17.7	0.352	0.8	0.343	0.110	17.8	0.360
727358.7	1072926.4	514.2	36.633	17.124	25.1	40.438	9.2	3.218	0.386	0.129	18.4	0.407	1.2	0.387	0.131	18.6	0.409
727358.4	1072931.4	514.1	41.650	19.798	25.4	46.116	10.9	3.670	0.431	0.153	19.5	0.457	1.7	0.421	0.152	19.9	0.448
727358.2	1072936.4	514.1	46.742	22.753	26.0	51.985	12.9	4.137	0.457	0.178	21.3	0.490	2.5	0.433	0.173	21.7	0.466
727358.0	1072941.4	514.0	51.561	25.913	26.7	57.706	15.0	4.592	0.450	0.198	23.8	0.491	3.5	0.409	0.187	24.5	0.450
727357.7	1072946.4	513.9	55.671	29.133	27.6	62.833	17.1	5.000	0.397	0.207	27.5	0.448	5.2	0.338	0.187	28.9	0.387
727357.5	1072951.4	513.9	58.631	32.183	28.8	66.883	19.0	5.322	0.298	0.195	33.2	0.356	8.5	0.220	0.164	36.7	0.274
727357.2	1072956.4	513.8	60.116	34.752	30.0	69.438	20.2	5.526	0.171	0.156	42.4	0.231	19.0	0.066	0.110	58.9	0.128
727357.0	1072961.4	513.8	59.995	36.498	31.3	70.225	20.7	5.588	0.108	0.094	41.0	0.143	63.0	-0.095	0.026	-15.2	0.099
727356.8	1072966.4	513.7	58.341	37.146	32.5	69.162	20.2	5.504	0.202	0.077	20.9	0.217	22.4	-0.237	-0.077	17.9	0.249
727356.5	1072971.4	513.7	55.342	36.558	33.4	66.327	18.8	5.278	0.303	0.153	26.8	0.340	9.5	-0.337	-0.177	27.7	0.381
727356.3	1072976.4	513.6	51.335	34.850	34.2	62.046	17.0	4.938	0.365	0.230	32.2	0.432	5.5	-0.388	-0.253	33.1	0.463
727356.0	1072981.4	513.5	46.693	32.308	34.7	56.781	14.8	4.518	0.386	0.280	36.0	0.477	3.5	-0.395	-0.294	36.7	0.493
727355.8	1072986.4	513.4	41.769	29.272	35.0	51.005	12.7	4.059	0.373	0.298	38.5	0.477	2.3	-0.371	-0.302	39.2	0.478
727355.6	1072991.3	513.4	36.869	26.054	35.2	45.146	10.8	3.593	0.341	0.289	40.3	0.447	1.5	-0.329	-0.285	40.9	0.436
727355.3	1072996.3	513.3	32.216	22.886	35.4	39.517	9.1	3.145	0.299	0.264	41.5	0.399	1.0	-0.281	-0.254	42.0	0.379
727355.1	1073001.3	513.2	27.970	19.935	35.5	34.347	7.6	2.733	0.255	0.232	42.4	0.345	0.7	-0.236	-0.219	42.9	0.322
727354.9	1073006.3	513.2	24.166	17.254	35.5	29.693	6.4	2.363	0.213	0.199	43.0	0.292	0.5	-0.196	-0.185	43.4	0.269
727354.6	1073011.3	513.2	20.811	14.869	35.5	25.577	5.4	2.035	0.177	0.167	43.4	0.243	0.3	-0.160	-0.154	43.8	0.222
727354.4	1073016.3	513.1	17.888	12.780	35.5	21.984	4.5	1.749	0.146	0.139	43.7	0.202	0.2	-0.131	-0.127	44.1	0.182
727354.1	1073021.3	513.1	15.363	10.969	35.5	18.877	3.8	1.502	0.120	0.116	44.0	0.166	0.2	-0.106	-0.104	44.4	0.149
727353.9	1073026.3	513.1	13.194	9.412	35.5	16.207	3.3	1.290	0.098	0.096	44.2	0.137	0.2	-0.087	-0.086	44.6	0.122
727353.7	1073031.3	513.0	11.335	8.077	35.5	13.918	2.8	1.108	0.081	0.079	44.5	0.113	0.2	-0.071	-0.071	44.9	0.100
727353.4	1073036.3	513.0	9.744	6.936	35.4	11.960	2.4	0.952	0.066	0.066	44.7	0.093	0.2	-0.058	-0.058	45.1	0.083
727353.2	1073041.3	513.0	8.382	5.961	35.4	10.285	2.0	0.818	0.055	0.055	45.0	0.077	0.3	-0.048	-0.049	45.4	0.068
727352.9	1073046.3	513.0	7.216	5.128	35.4	8.852	1.8	0.704	0.045	0.046	45.4	0.064	0.3	-0.040	-0.041	45.8	0.057
727352.7	1073051.3	513.0	6.217	4.416	35.4	7.625	1.5	0.607	0.037	0.038	45.8	0.054	0.4	-0.033	-0.034	46.2	0.047
727352.5	1073056.3	513.0	5.360	3.807	35.4	6.574	1.4	0.523	0.031	0.032	46.3	0.045	0.5	-0.027	-0.029	46.7	0.039
727352.2	1073061.3	512.9	4.624	3.285	35.4	5.673	1.4	0.451	0.026	0.027	46.9	0.037	0.7	-0.022	-0.024	47.3	0.033
727352.0	1073066.3	512.9	3.992	2.838	35.4	4.899	1.4	0.390	0.021	0.023	47.6	0.031	0.8	-0.019	-0.021	48.1	0.028
727351.7	1073071.3	512.9	3.449	2.455	35.4	4.234	1.5	0.337	0.017	0.020	48.5	0.026	1.0	-0.015	-0.018	48.9	0.023
727351.5	1073076.2	512.9	2.981	2.126	35.5	3.661	1.7	0.291	0.014	0.017	49.5	0.022	1.2	-0.013	-0.015	49.9	0.020
727351.3	1073081.2	512.9	2.578	1.842	35.5	3.169	1.9	0.252	0.012	0.014	50.7	0.019	1.4	-0.011	-0.013	51.1	0.017
727351.0	1073086.2	512.9	2.231	1.598	35.6	2.744	2.2	0.218	0.010	0.012	52.1	0.016	1.7	-0.009	-0.011	52.5	0.014
727350.8	1073091.2	512.9	1.931	1.388	35.7	2.378	2.6	0.189	0.008	0.011	53.8	0.013	2.0	-0.007	-0.010	54.2	0.012
727350.6	1073096.2	512.9	1.673	1.206	35.8	2.062	3.0	0.164	0.006	0.009	55.8	0.011	2.4	-0.006	-0.009	56.1	0.010
727350.3	1073101.2	512.9	1.450	1.049	35.9	1.790	3.5	0.142	0.005	0.008	58.1	0.009	2.9	-0.005	-0.008	58.3	0.009
727350.1	1073106.2	513.0	1.259	0.914	36.0	1.556	4.1	0.124	0.004	0.007	60.9	0.008	3.5	-0.004	-0.007	61.0	0.008
727349.8	1073111.2	513.0	1.094	0.797	36.1	1.354	4.7	0.108	0.003	0.006	64.1	0.007	4.2	-0.003	-0.006	64.1	0.007
727349.6	1073116.2	513.0	0.953	0.696	36.2	1.180	5.4	0.094	0.002	0.005	68.0	0.006	5.2	-0.002	-0.005	67.7	0.006
727349.4	1073121.2	513.1	0.832	0.609	36.2	1.031	6.2	0.082	0.001	0.005	72.5	0.005	6.3	-0.002	-0.005	72.0	0.005
727349.1	1073126.2	513.1	0.729	0.534	36.2	0.904	7.1	0.072	0.001	0.004	77.7	0.004	7.5	-0.001	-0.004	76.9	0.004
727348.9	1073131.2	513.1	0.642	0.470	36.2	0.795	8.1	0.063	0.000	0.003	82.9	0.004	9.0	-0.000	-0.004	82.6	0.004
727348.6	1073136.2	513.2	0.568	0.414	36.1	0.703	9.1	0.056	0.000	0.003	83.5	0.003	10.4	-0.000	-0.003	89.2	0.003
727348.4	1073141.2	513.2	0.506	0.367	35.9	0.625	10.2	0.050	0.001	0.003	77.1	0.003	11.6	0.000	-0.003	-83.6	0.003
727348.2	1073146.2	513.2	0.454	0.326	35.7	0.559	11.2	0.044	0.001	0.002	68.6	0.002	12.3	0.001	-0.003	-75.7	0.003
727347.9	1073151.2	513.3	0.411	0.291	35.3	0.503	12.2	0.040	0.001	0.002	59.7	0.002	12.3	0.001	-0.002	-67.6	0.003
727347.7	1073156.2	513.3	0.375	0.261	34.9	0.457	13.1	0.036	0.001	0.002	51.1	0.002	11.8	0.001	-0.002	-59.5	0.002
727347.5	1073161.2	513.4	0.345	0.236	34.4	0.418	13.9	0.033	0.002	0.001	43.1	0.002	10.8	0.001	-0.002	-51.7	0.002
727347.2	1073166.1	513.4	0.320	0.214	33.8	0.385	14.5	0.031	0.002	0.001	36.1	0.002	9.7	0.002	-0.002	-44.6	0.002
727347.0	1073171.1	513.5	0.299	0.196	33.2	0.358	14.9	0.028	0.002	0.001	30.0	0.002	8.4	0.002	-0.001	-38.2	0.002
727346.7	1073176.1	513.5	0.283	0.180	32.6	0.335	15.1	0.027	0.002	0.001	24.8	0.002	7.2	0.002	-0.001	-32.7	0.002
727346.5	1073181.1	513.5	0.268	0.167	31.9	0.316	15.1	0.025	0.002	0.001	20.4	0.002	6.1	0.002	-0.001	-27.9	0.002
727346.3	1073186.1	513.5	0.256	0.156	31.4	0.300	15.0	0.024	0.002	0.001	16.7	0.002	5.2	0.002	-0.001	-23.8	0.002
727346.0	1073191.1	513.5	0.246	0.147	30.8	0.286	14.7	0.023	0.002	0.001	13.5	0.002	4.5	0.002	-0.001	-20.3	0.002
727345.8	1073196.1	513.5	0.236	0.138	30.3	0.274	14.4	0.022	0.002	0.000	10.8	0.002	3.9	0.002	-0.001	-17.2	0.002
727345.5	1073201.1	513.5	0.228	0.131	29.9	0.263	14.0	0.021	0.002	0.000	8.5	0.002	3.4	0.002	-0.001	-14.6	0.002
727345.3	1073206.1	513.5	0.220	0.125	29.5	0.253	13.5	0.020	0.002	0.000	6.5	0.002	2.9	0.002	-0.001	-12.4	0.002

727345.1	1073211.1	513.4	0.213	0.119	29.2	0.244	13.1	0.019	0.002	0.000	4.7	0.002	2.5	0.002	-0.000	-10.4	0.002
727344.8	1073216.1	513.4	0.206	0.114	29.0	0.235	12.6	0.019	0.002	0.000	3.2	0.002	2.2	0.002	-0.000	-8.7	0.002
727344.6	1073221.1	513.3	0.199	0.109	28.8	0.227	12.2	0.018	0.002	0.000	2.0	0.002	2.0	0.002	-0.000	-7.2	0.002
727344.4	1073226.1	513.3	0.193	0.105	28.6	0.219	11.8	0.017	0.002	0.000	1.1	0.002	1.7	0.002	-0.000	-5.9	0.002
727344.1	1073231.1	513.3	0.186	0.101	28.4	0.212	11.4	0.017	0.002	0.000	1.1	0.002	1.6	0.002	-0.000	-4.7	0.002
727343.9	1073236.1	513.2	0.180	0.097	28.3	0.205	11.0	0.016	0.002	0.000	1.8	0.002	1.4	0.002	-0.000	-3.6	0.002
727343.6	1073241.1	513.2	0.175	0.094	28.2	0.198	10.6	0.016	0.002	0.000	2.6	0.002	1.3	0.002	-0.000	-2.7	0.002
727343.4	1073246.1	513.2	0.169	0.090	28.1	0.191	10.3	0.015	0.002	0.000	3.3	0.002	1.1	0.002	-0.000	-1.8	0.002
727343.2	1073251.0	513.1	0.163	0.087	28.1	0.185	10.0	0.015	0.002	0.000	4.0	0.002	1.0	0.002	-0.000	-1.1	0.002
727342.9	1073256.0	513.1	0.158	0.084	28.1	0.179	9.8	0.014	0.002	0.000	4.6	0.002	0.9	0.002	-0.000	-0.4	0.002
727342.7	1073261.0	513.1	0.152	0.081	28.0	0.173	9.5	0.014	0.002	0.000	5.2	0.002	0.9	0.002	0.000	0.3	0.002
727342.4	1073266.0	513.0	0.147	0.078	28.0	0.167	9.3	0.013	0.002	0.000	5.7	0.002	0.8	0.002	0.000	0.8	0.002
727342.2	1073271.0	513.0	0.142	0.076	28.0	0.161	9.1	0.013	0.002	0.000	6.2	0.002	0.7	0.002	0.000	1.3	0.002
727342.0	1073276.0	512.9	0.137	0.073	28.0	0.156	8.9	0.012	0.002	0.000	6.7	0.002	0.7	0.002	0.000	1.8	0.002
727341.7	1073281.0	512.9	0.133	0.071	28.0	0.150	8.7	0.012	0.002	0.000	7.1	0.002	0.6	0.002	0.000	2.3	0.002
727341.5	1073286.0	512.9	0.128	0.068	28.0	0.145	8.5	0.012	0.002	0.000	7.5	0.002	0.6	0.002	0.000	2.6	0.002
727341.3	1073291.0	512.8	0.124	0.066	28.0	0.140	8.4	0.011	0.002	0.000	7.9	0.002	0.5	0.002	0.000	3.0	0.002
727341.0	1073296.0	512.8	0.119	0.063	28.0	0.135	8.3	0.011	0.002	0.000	8.2	0.002	0.5	0.002	0.000	3.3	0.002
727340.8	1073301.0	512.7	0.115	0.061	28.1	0.130	8.2	0.010	0.002	0.000	8.5	0.002	0.5	0.002	0.000	3.6	0.002
727340.5	1073306.0	512.7	0.111	0.059	28.1	0.126	8.0	0.010	0.002	0.000	8.8	0.002	0.5	0.002	0.000	3.9	0.002
727340.3	1073311.0	512.7	0.107	0.057	28.1	0.121	7.9	0.010	0.002	0.000	9.1	0.002	0.4	0.002	0.000	4.2	0.002
727340.1	1073316.0	512.6	0.103	0.055	28.1	0.117	7.9	0.009	0.002	0.000	9.4	0.002	0.4	0.001	0.000	4.4	0.001
727339.8	1073321.0	512.6	0.100	0.053	28.2	0.113	7.8	0.009	0.002	0.000	9.6	0.002	0.4	0.001	0.000	4.6	0.001
727339.6	1073326.0	512.6	0.086	0.044	27.1	0.096	8.0	0.008	0.002	0.000	9.1	0.002	0.4	0.002	0.000	6.6	0.002
727339.3	1073331.0	512.6	0.083	0.042	27.1	0.093	7.9	0.007	0.002	0.000	9.3	0.002	0.4	0.001	0.000	6.8	0.001
727339.1	1073336.0	512.5	0.080	0.041	27.2	0.090	7.8	0.007	0.002	0.000	9.6	0.002	0.3	0.001	0.000	7.0	0.001
727338.9	1073340.9	512.5	0.077	0.039	27.2	0.086	7.7	0.007	0.002	0.000	9.8	0.002	0.3	0.001	0.000	7.2	0.001
727338.6	1073345.9	512.5	0.074	0.038	27.2	0.083	7.7	0.007	0.002	0.000	10.0	0.002	0.3	0.001	0.000	7.3	0.001
727338.4	1073350.9	512.5	0.072	0.037	27.2	0.080	7.6	0.006	0.002	0.000	10.2	0.002	0.3	0.001	0.000	7.5	0.001
727338.1	1073355.9	512.4	0.069	0.035	27.2	0.078	7.6	0.006	0.002	0.000	10.3	0.002	0.3	0.001	0.000	7.7	0.001
727337.9	1073360.9	512.4	0.079	0.042	27.9	0.089	5.7	0.007	0.001	0.000	9.5	0.001	0.3	0.001	0.000	9.5	0.001
727337.7	1073365.9	512.4	0.076	0.040	27.9	0.086	5.7	0.007	0.001	0.000	9.7	0.001	0.3	0.001	0.000	9.7	0.001
727337.4	1073370.9	512.4	0.073	0.039	27.9	0.083	5.6	0.007	0.001	0.000	9.9	0.001	0.3	0.001	0.000	9.8	0.001
727337.2	1073375.9	512.4	0.071	0.038	28.0	0.080	5.5	0.006	0.001	0.000	10.0	0.001	0.3	0.001	0.000	10.0	0.001
727337.0	1073380.9	512.4	0.068	0.036	28.0	0.077	5.5	0.006	0.001	0.000	10.2	0.001	0.3	0.001	0.000	10.1	0.001
727336.7	1073385.9	512.4	0.066	0.035	28.0	0.075	5.4	0.006	0.001	0.000	10.4	0.001	0.2	0.001	0.000	10.2	0.001
727336.5	1073390.9	512.4	0.064	0.034	28.0	0.072	5.4	0.006	0.001	0.000	10.5	0.001	0.2	0.001	0.000	10.3	0.001
727336.2	1073395.9	512.4	0.062	0.033	28.0	0.070	5.3	0.006	0.001	0.000	10.6	0.001	0.2	0.001	0.000	10.5	0.001
727336.0	1073400.9	512.4	0.060	0.032	28.1	0.068	5.3	0.005	0.001	0.000	10.8	0.001	0.2	0.001	0.000	10.6	0.001
727335.8	1073405.9	512.4	0.058	0.031	28.1	0.065	5.2	0.005	0.001	0.000	10.9	0.001	0.2	0.001	0.000	10.7	0.001
727335.5	1073410.9	512.4	0.056	0.030	28.1	0.063	5.2	0.005	0.001	0.000	11.0	0.001	0.2	0.001	0.000	10.8	0.001
727335.3	1073415.9	512.4	0.054	0.029	28.1	0.061	5.1	0.005	0.001	0.000	11.1	0.001	0.2	0.001	0.000	10.9	0.001
727335.0	1073420.9	512.4	0.052	0.028	28.1	0.059	5.1	0.005	0.001	0.000	11.2	0.001	0.2	0.001	0.000	11.0	0.001
727334.8	1073425.8	512.4	0.050	0.027	28.1	0.057	5.0	0.005	0.001	0.000	11.4	0.001	0.2	0.001	0.000	11.0	0.001
727334.6	1073430.8	512.4	0.049	0.026	28.2	0.055	5.0	0.004	0.001	0.000	11.5	0.001	0.2	0.001	0.000	11.1	0.001
727334.3	1073435.8	512.4	0.047	0.025	28.2	0.054	5.0	0.004	0.001	0.000	11.6	0.001	0.2	0.001	0.000	11.2	0.001
727334.1	1073440.8	512.4	0.046	0.025	28.2	0.052	4.9	0.004	0.001	0.000	11.7	0.001	0.2	0.001	0.000	11.3	0.001
727333.9	1073445.8	512.4	0.044	0.024	28.2	0.050	4.9	0.004	0.001	0.000	11.7	0.001	0.2	0.001	0.000	11.4	0.001
727333.6	1073450.8	512.4	0.043	0.023	28.2	0.049	4.9	0.004	0.001	0.000	11.8	0.001	0.2	0.001	0.000	11.5	0.001
727333.4	1073455.8	512.4	0.042	0.022	28.2	0.047	4.8	0.004	0.001	0.000	11.9	0.001	0.2	0.001	0.000	11.5	0.001
727333.1	1073460.8	512.4	0.040	0.022	28.3	0.046	4.8	0.004	0.001	0.000	12.0	0.001	0.2	0.001	0.000	11.6	0.001
727332.9	1073465.8	512.4	0.039	0.021	28.3	0.044	4.8	0.004	0.001	0.000	12.1	0.001	0.2	0.001	0.000	11.7	0.001
727332.7	1073470.8	512.4	0.038	0.020	28.3	0.043	4.7	0.003	0.001	0.000	12.2	0.001	0.2	0.001	0.000	11.7	0.001
727332.4	1073475.8	512.4	0.037	0.020	28.3	0.042	4.7	0.003	0.001	0.000	12.2	0.001	0.1	0.001	0.000	11.8	0.001
727332.2	1073480.8	512.5	0.036	0.019	28.3	0.040	4.7	0.003	0.001	0.000	12.3	0.001	0.1	0.001	0.000	11.9	0.001
727331.9	1073485.8	512.5	0.035	0.019	28.3	0.039	4.7	0.003	0.001	0.000	12.4	0.001	0.1	0.001	0.000	11.9	0.001
727331.7	1073490.8	512.5	0.034	0.018	28.3	0.038	4.6	0.003	0.001	0.000	12.5	0.001	0.1	0.001	0.000	12.0	0.001
727331.5	1073495.8	512.5	0.033	0.018	28.4	0.037	4.6	0.003	0.001	0.000	12.5	0.001	0.1	0.001	0.000	12.1	0.001
727331.2	1073500.8	512.5	0.032	0.017	28.4	0.036	4.6	0.003	0.001	0.000	12.6	0.001	0.1	0.001	0.000	12.1	0.001
727331.0	1073505.8	512.5	0.031	0.017	28.4	0.035	4.6	0.003	0.001	0.000	12.7	0.001	0.1	0.001	0.000	12.2	0.001
727330.8	1073510.8	512.5	0.030	0.016	28.4	0.034	4.5	0.003	0.001	0.000	12.7	0.001	0.1	0.001	0.000	12.2	0.001
727330.5	1073515.7	512.5	0.029	0.016	28.4	0.033	4.5	0.003	0.001	0.000	12.8	0.001	0.1	0.001	0.000	12.3	0.001
727330.3	1073520.7	512.5	0.028	0.015	28.4	0.032	4.5	0.003	0.001	0.000	12.8	0.001	0.1	0.001	0.000	12.3	0.001
727330.0	1073525.7	512.5	0.027	0.015	28.4	0.031	4.5	0.002	0.001	0.000	12.9	0.001	0.1	0.001	0.000	12.4	0.001
727329.8	1073530.7	512.5	0.027	0.014	28.4	0.030	4.5	0.002	0.001	0.000	13.0	0.001	0.1	0.001	0.000	12.4	0.001
727329.6	1073535.7	512.5	0.026	0.014	28.5	0.029	4.4	0.002	0.001	0.000	13.0	0.001	0.1	0.001	0.000	12.5	0.001
727329.3	1073540.7	512.5	0.025	0.014	28.5	0.029	4.4	0.002	0.001	0.000	13.1	0.001	0.1	0.001	0.000	12.5	0.001
727329.1	1073545.7	512.5	0.024	0.013	28.5	0.028	4.4	0.002	0.001	0.000	13.1	0.001	0.1	0.001	0.000	12.6	0.001
727328.8	1073550.7	512.5	0.024	0.013	28.5	0.027	4.4	0.002	0.001	0.000	13.2	0.001	0.1	0.001	0.000	12.6	0.001

727328.6	1073555.7	512.5	0.023	0.013	28.5	0.026	4.4	0.002	0.001	0.000	13.2	0.001	0.1	0.001	0.000	12.7	0.001
727328.4	1073560.7	512.6	0.022	0.012	28.5	0.026	4.3	0.002	0.001	0.000	13.3	0.001	0.1	0.001	0.000	12.7	0.001
727328.1	1073565.7	512.6	0.022	0.012	28.5	0.025	4.3	0.002	0.001	0.000	13.3	0.001	0.1	0.001	0.000	12.8	0.001
727327.9	1073570.7	512.7	0.021	0.012	28.5	0.024	4.3	0.002	0.001	0.000	13.4	0.001	0.1	0.001	0.000	12.8	0.001
727327.7	1073575.7	512.7	0.021	0.011	28.5	0.024	4.3	0.002	0.001	0.000	13.4	0.001	0.1	0.001	0.000	12.9	0.001
727327.4	1073580.7	512.8	0.020	0.011	28.5	0.023	4.3	0.002	0.001	0.000	13.4	0.001	0.1	0.001	0.000	12.9	0.001
727327.2	1073585.7	512.8	0.020	0.011	28.5	0.022	4.2	0.002	0.001	0.000	13.5	0.001	0.1	0.001	0.000	12.9	0.001
727326.9	1073590.7	512.8	0.019	0.010	28.6	0.022	4.2	0.002	0.001	0.000	13.5	0.001	0.1	0.001	0.000	13.0	0.001
727326.7	1073595.7	512.9	0.019	0.010	28.6	0.021	4.2	0.002	0.001	0.000	13.6	0.001	0.1	0.001	0.000	13.0	0.001
727326.5	1073600.7	512.9	0.018	0.010	28.6	0.021	4.2	0.002	0.001	0.000	13.6	0.001	0.1	0.001	0.000	13.1	0.001
727326.2	1073605.6	513.0	0.018	0.010	28.6	0.020	4.2	0.002	0.001	0.000	13.6	0.001	0.1	0.001	0.000	13.1	0.001
727326.0	1073610.6	513.0	0.017	0.009	28.6	0.020	4.2	0.002	0.001	0.000	13.7	0.001	0.1	0.001	0.000	13.1	0.001
727325.7	1073615.6	513.0	0.017	0.009	28.6	0.019	4.2	0.002	0.001	0.000	13.7	0.001	0.1	0.001	0.000	13.2	0.001
727325.5	1073620.6	513.0	0.016	0.009	28.6	0.019	4.1	0.001	0.001	0.000	13.8	0.001	0.1	0.001	0.000	13.2	0.001
727325.3	1073625.6	513.0	0.016	0.009	28.6	0.018	4.1	0.001	0.001	0.000	13.8	0.001	0.1	0.001	0.000	13.2	0.001
727325.0	1073630.6	513.0	0.016	0.009	28.6	0.018	4.1	0.001	0.001	0.000	13.8	0.001	0.1	0.001	0.000	13.3	0.001
727324.8	1073635.6	513.0	0.015	0.008	28.6	0.017	4.1	0.001	0.001	0.000	13.9	0.001	0.1	0.001	0.000	13.3	0.001
727324.5	1073640.6	513.0	0.015	0.008	28.6	0.017	4.1	0.001	0.000	0.000	13.9	0.001	0.1	0.001	0.000	13.3	0.001
727324.3	1073645.6	513.1	0.014	0.008	28.6	0.017	4.1	0.001	0.000	0.000	13.9	0.001	0.1	0.001	0.000	13.4	0.001
727324.1	1073650.6	513.1	0.014	0.008	28.7	0.016	4.1	0.001	0.000	0.000	14.0	0.000	0.1	0.001	0.000	13.4	0.001
727323.8	1073655.6	513.1	0.014	0.008	28.7	0.016	4.0	0.001	0.000	0.000	14.0	0.000	0.1	0.001	0.000	13.4	0.001
727323.6	1073660.6	513.1	0.024	0.014	29.9	0.028	2.5	0.002	0.000	0.000	11.1	0.000	0.1	0.000	0.000	10.8	0.000
727323.4	1073665.6	513.1	0.023	0.013	29.9	0.027	2.5	0.002	0.000	0.000	11.1	0.000	0.1	0.000	0.000	10.8	0.000
727323.1	1073670.6	513.1	0.023	0.013	29.9	0.026	2.4	0.002	0.000	0.000	11.2	0.000	0.1	0.000	0.000	10.9	0.000
727322.9	1073675.6	513.2	0.022	0.013	29.9	0.026	2.4	0.002	0.000	0.000	11.2	0.000	0.1	0.000	0.000	10.9	0.000
727322.6	1073680.6	513.2	0.022	0.013	29.9	0.025	2.4	0.002	0.000	0.000	11.2	0.000	0.1	0.000	0.000	10.9	0.000
727322.4	1073685.6	513.2	0.021	0.012	29.9	0.025	2.4	0.002	0.000	0.000	11.3	0.000	0.1	0.000	0.000	11.0	0.000
727322.2	1073690.5	513.2	0.057	0.036	32.2	0.068	1.0	0.005	0.000	0.000	14.0	0.000	0.0	0.000	0.000	13.1	0.000
727321.9	1073695.5	513.2	0.057	0.036	32.2	0.067	1.0	0.005	0.000	0.000	14.1	0.000	0.0	0.000	0.000	13.2	0.000
727321.7	1073700.5	513.2	0.056	0.035	32.2	0.066	0.9	0.005	0.000	0.000	14.1	0.000	0.0	0.000	0.000	13.2	0.000
727321.4	1073705.5	513.1	0.073	0.045	31.7	0.085	0.6	0.007	0.000	0.000	0.3	0.000	0.2	0.000	-0.000	-2.0	0.000
727321.2	1073710.5	513.1	0.074	0.046	31.6	0.087	1.1	0.007	0.000	0.000	11.5	0.000	0.1	0.000	0.000	9.3	0.000

SEGMENT 2

PLS-CADD Version 19.01x64 4:06:56 PM Wednesday, November 6, 2024
Applied High Voltage LLC
Project Name: 'C:\Users\North Seneca EMF EDR\North Seneca EMF.don'
Line Title: 'North Seneca'

3D EMF Calculation Notes:
  1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
  2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
  3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
  4) Ground return is being ignored for magnetic field calculations.

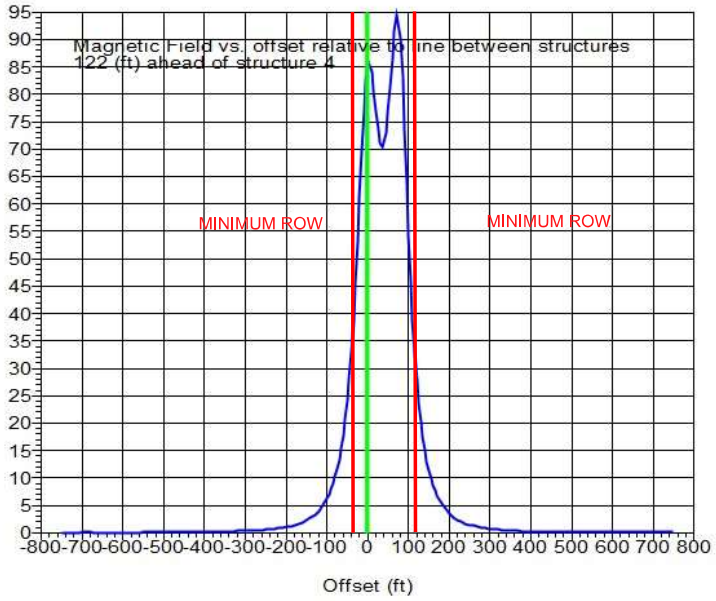
Meter height above ground:	3.28 (ft)	measurement location above ground
Maximum wire distance:	750.00 (ft)	
Maximum cable segment size:	9.80 (ft)	
Cross section offset +/-:	750.00 (ft)	cross section width +/- 500ft on each side
Result interval:	5.00 (ft)	measurement intervals
Electric field limit:	1.60 (kV/m)	
Magnetic field limit:	200.00 (mG)	
Space potential limit:	0.00 (kV)	
Contour Map Spacing:	15 (ft)	
Analyzing spans between these structures:	4 - 7	Segment 2 - between structure 4 and structure 7 (switchyard dead-end)

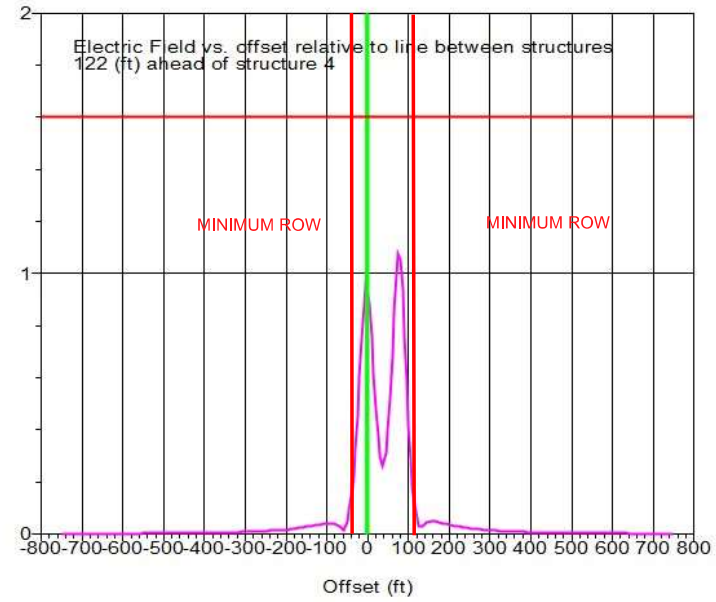
One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	AC-34-52-646.wir	AFL OPGW 48 Fiber AlumaCore AC-34/52/646	1	0.000	0.323	120 Deg F	Initial RS	Left	120.000	0.323
2		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
3		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
4		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
5		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
6		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
7		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
8		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
9		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
10		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
11		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180

Mid-span cross section results between structures 4 and 5


Magnetic Field vs. offset relative to line between structures
122 (ft) ahead of structure 4
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
Offset (ft)


Electric Field vs. offset relative to line between structures
122 (ft) ahead of structure 4
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
Offset (ft)

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 726275.8-726270.8= 5ft in X direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 4 to 5:

Measurement			B					H	E					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
726270.8	1072489.1	532.3	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	-nan(ind)	0.000
726275.8	1072489.3	532.3	0.029	0.017	30.0	0.033	1.2	0.003	0.000	0.000	20.1	0.000	0.1	0.001	0.000	20.2	0.001
726280.8	1072489.6	532.3	0.029	0.017	30.0	0.034	1.2	0.003	0.000	0.000	20.1	0.000	0.1	0.001	0.000	20.2	0.001
726285.8	1072489.8	532.3	0.066	0.038	30.0	0.077	1.1	0.006	0.000	0.000	20.3	0.000	0.0	0.003	0.001	20.4	0.003
726290.8	1072490.1	532.3	0.068	0.039	30.0	0.078	1.1	0.006	0.000	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726295.8	1072490.3	532.3	0.069	0.040	30.0	0.080	1.1	0.006	0.000	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726300.8	1072490.5	532.3	0.070	0.041	30.0	0.081	1.1	0.006	0.000	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726305.8	1072490.8	532.4	0.072	0.041	30.0	0.083	1.1	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726310.8	1072491.0	532.4	0.073	0.042	30.0	0.084	1.1	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726315.8	1072491.2	532.4	0.074	0.043	30.0	0.086	1.1	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726320.8	1072491.5	532.4	0.076	0.044	30.0	0.088	1.1	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726325.8	1072491.7	532.4	0.077	0.045	30.0	0.089	1.2	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726330.8	1072492.0	532.4	0.079	0.046	30.0	0.091	1.2	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.003
726335.7	1072492.2	532.4	0.080	0.047	30.0	0.093	1.2	0.007	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.004
726340.7	1072492.4	532.4	0.082	0.047	30.0	0.095	1.2	0.008	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.004
726345.7	1072492.7	532.4	0.059	0.033	29.4	0.068	3.8	0.005	0.001	0.000	20.5	0.001	0.0	0.004	0.002	20.5	0.005
726350.7	1072492.9	532.4	0.060	0.034	29.4	0.069	3.8	0.006	0.001	0.000	20.5	0.001	0.0	0.004	0.002	20.5	0.005
726355.7	1072493.2	532.4	0.030	0.017	29.2	0.035	7.6	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.006
726360.7	1072493.4	532.4	0.031	0.017	29.2	0.036	7.5	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.006
726365.7	1072493.6	532.3	0.032	0.018	29.2	0.036	7.5	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.006
726370.7	1072493.9	532.3	0.033	0.018	29.2	0.037	7.4	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726375.7	1072494.1	532.3	0.033	0.019	29.2	0.038	7.3	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726380.7	1072494.3	532.3	0.034	0.019	29.2	0.039	7.3	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726385.7	1072494.6	532.3	0.035	0.020	29.2	0.040	7.2	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.002	20.6	0.007
726390.7	1072494.8	532.3	0.036	0.020	29.2	0.041	7.1	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.002	20.6	0.007
726395.7	1072495.1	532.2	0.037	0.021	29.2	0.042	7.1	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726400.7	1072495.3	532.1	0.038	0.021	29.2	0.043	7.0	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726405.7	1072495.5	532.1	0.039	0.022	29.2	0.044	6.9	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726410.7	1072495.8	532.0	0.040	0.022	29.2	0.045	6.9	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726415.7	1072496.0	531.9	0.041	0.023	29.3	0.046	6.8	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726420.7	1072496.3	531.8	0.042	0.023	29.3	0.048	6.7	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726425.6	1072496.5	531.7	0.043	0.024	29.3	0.049	6.7	0.004	0.001	0.001	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726430.6	1072496.7	531.6	0.044	0.025	29.3	0.050	6.6	0.004	0.001	0.001	20.5	0.001	0.0	0.008	0.003	20.6	0.008
726435.6	1072497.0	531.4	0.045	0.025	29.3	0.051	6.5	0.004	0.001	0.001	20.5	0.001	0.0	0.008	0.003	20.6	0.008
726440.6	1072497.2	531.3	0.046	0.026	29.3	0.053	6.5	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.008
726445.6	1072497.4	531.2	0.047	0.027	29.3	0.054	6.4	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.008
726450.6	1072497.7	531.0	0.049	0.027	29.3	0.056	6.3	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.008
726455.6	1072497.9	530.9	0.050	0.028	29.3	0.057	6.3	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726460.6	1072498.2	530.7	0.051	0.029	29.3	0.059	6.2	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726465.6	1072498.4	530.5	0.053	0.030	29.3	0.060	6.1	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726470.6	1072498.6	530.3	0.123	0.071	30.2	0.142	1.3	0.011	0.002	0.001	20.1	0.002	0.1	0.009	0.003	19.9	0.009
726475.6	1072498.9	530.1	0.132	0.077	30.2	0.153	2.2	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726480.6	1072499.1	529.9	0.134	0.078	30.2	0.155	2.2	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726485.6	1072499.4	529.7	0.135	0.079	30.2	0.156	2.2	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726490.6	1072499.6	529.5	0.136	0.079	30.2	0.158	2.2	0.013	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726495.6	1072499.8	529.3	0.138	0.080	30.2	0.160	2.2	0.013	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726500.6	1072500.1	529.1	0.139	0.081	30.2	0.161	2.2	0.013	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726505.6	1072500.3	528.9	0.141	0.082	30.3	0.163	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010
726510.6	1072500.5	528.7	0.142	0.083	30.3	0.165	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010
726515.5	1072500.8	528.5	0.144	0.084	30.3	0.167	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010
726520.5	1072501.0	528.3	0.146	0.085	30.3	0.169	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.010
726525.5	1072501.3	528.1	0.147	0.086	30.3	0.171	2.3	0.014	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.011
726530.5	1072501.5	527.9	0.149	0.087	30.3	0.173	2.3	0.014	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.011
726535.5	1072501.7	527.7	0.151	0.088	30.3	0.175	2.4	0.014	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.011
726540.5	1072502.0	527.5	0.152	0.089	30.3	0.177	2.4	0.014	0.002	0.001	19.8	0.003	0.1	0.010	0.004	19.7	0.011
726545.5	1072502.2	527.2	0.154	0.090	30.3	0.179	2.4	0.014	0.002	0.001	19.8	0.003	0.1	0.010	0.004	19.7	0.011
726550.5	1072502.4	527.0	0.156	0.091	30.3	0.181	2.4	0.014	0.003	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726555.5	1072502.7	526.7	0.158	0.093	30.3	0.183	2.4	0.015	0.003	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726560.5	1072502.9	526.5	0.160	0.094	30.4	0.186	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726565.5	1072503.2	526.3	0.162	0.095	30.4	0.188	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726570.5	1072503.4	526.0	0.164	0.096	30.4	0.190	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726575.5	1072503.6	525.8	0.166	0.098	30.4	0.193	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011

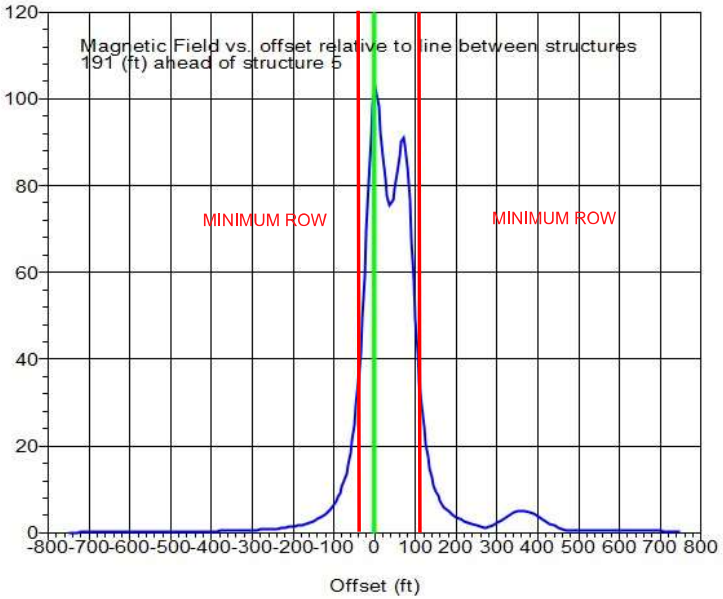
726580.5	1072503.9	525.6	0.169	0.099	30.4	0.196	2.5	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726585.5	1072504.1	525.4	0.171	0.100	30.4	0.198	2.6	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726590.5	1072504.4	525.2	0.174	0.102	30.4	0.201	2.6	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726595.5	1072504.6	525.0	0.176	0.103	30.4	0.204	2.6	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726600.4	1072504.8	524.8	0.179	0.105	30.4	0.207	2.6	0.017	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726605.4	1072505.1	524.7	0.182	0.107	30.5	0.211	2.7	0.017	0.003	0.001	19.9	0.004	0.1	0.011	0.004	19.7	0.012
726610.4	1072505.3	524.5	0.184	0.109	30.5	0.214	2.7	0.017	0.003	0.001	19.9	0.004	0.1	0.011	0.004	19.7	0.012
726615.4	1072505.5	524.4	0.187	0.110	30.5	0.218	2.7	0.017	0.004	0.001	19.9	0.004	0.1	0.012	0.004	19.7	0.012
726620.4	1072505.8	524.2	0.191	0.112	30.5	0.221	2.7	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.012
726625.4	1072506.0	524.0	0.194	0.114	30.5	0.225	2.8	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.013
726630.4	1072506.3	523.8	0.197	0.116	30.5	0.229	2.8	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.013
726635.4	1072506.5	523.7	0.201	0.119	30.5	0.234	2.8	0.019	0.004	0.001	20.0	0.004	0.0	0.012	0.004	19.7	0.013
726640.4	1072506.7	523.5	0.205	0.121	30.5	0.238	2.8	0.019	0.004	0.002	20.0	0.004	0.0	0.012	0.004	19.7	0.013
726645.4	1072507.0	523.4	0.209	0.123	30.6	0.243	2.9	0.019	0.004	0.002	20.0	0.005	0.0	0.012	0.004	19.8	0.013
726650.4	1072507.2	523.2	0.214	0.126	30.6	0.248	2.9	0.020	0.004	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.013
726655.4	1072507.5	523.2	0.218	0.129	30.6	0.253	2.9	0.020	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726660.4	1072507.7	523.1	0.223	0.132	30.6	0.259	3.0	0.021	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726665.4	1072507.9	523.0	0.228	0.135	30.6	0.265	3.0	0.021	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726670.4	1072508.2	522.9	0.234	0.138	30.6	0.272	3.0	0.022	0.005	0.002	20.0	0.005	0.0	0.014	0.005	19.8	0.014
726675.4	1072508.4	522.8	0.240	0.142	30.6	0.279	3.1	0.022	0.005	0.002	20.1	0.005	0.0	0.014	0.005	19.8	0.015
726680.4	1072508.6	522.7	0.246	0.146	30.6	0.286	3.1	0.023	0.005	0.002	20.1	0.006	0.0	0.014	0.005	19.8	0.015
726685.4	1072508.9	522.6	0.253	0.150	30.6	0.294	3.1	0.023	0.005	0.002	20.1	0.006	0.0	0.014	0.005	19.8	0.015
726690.3	1072509.1	522.5	0.260	0.154	30.6	0.302	3.2	0.024	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.8	0.016
726695.3	1072509.4	522.4	0.268	0.159	30.6	0.311	3.2	0.025	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.8	0.016
726700.3	1072509.6	522.3	0.276	0.164	30.7	0.321	3.2	0.026	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.8	0.016
726705.3	1072509.8	522.2	0.285	0.169	30.7	0.331	3.3	0.026	0.006	0.002	20.1	0.007	0.0	0.016	0.006	19.9	0.017
726710.3	1072510.1	522.2	0.294	0.174	30.7	0.342	3.3	0.027	0.006	0.002	20.1	0.007	0.0	0.016	0.006	19.8	0.017
726715.3	1072510.3	522.1	0.304	0.180	30.7	0.354	3.4	0.028	0.007	0.002	20.1	0.007	0.0	0.016	0.006	19.8	0.017
726720.3	1072510.6	522.0	0.315	0.187	30.7	0.367	3.4	0.029	0.007	0.003	20.1	0.007	0.0	0.017	0.006	19.8	0.018
726725.3	1072510.8	521.9	0.327	0.194	30.7	0.381	3.5	0.030	0.007	0.003	20.1	0.008	0.0	0.017	0.006	19.8	0.018
726730.3	1072511.0	521.9	0.340	0.202	30.7	0.396	3.5	0.031	0.007	0.003	20.1	0.008	0.0	0.017	0.006	19.8	0.018
726735.3	1072511.3	521.8	0.354	0.210	30.7	0.412	3.5	0.033	0.008	0.003	20.1	0.008	0.0	0.018	0.006	19.8	0.019
726740.3	1072511.5	521.7	0.369	0.219	30.7	0.429	3.6	0.034	0.008	0.003	20.1	0.009	0.0	0.018	0.007	19.8	0.019
726745.3	1072511.7	521.6	0.386	0.228	30.7	0.448	3.6	0.036	0.008	0.003	20.1	0.009	0.0	0.019	0.007	19.9	0.020
726750.3	1072512.0	521.5	0.403	0.239	30.6	0.469	3.7	0.037	0.009	0.003	20.2	0.009	0.0	0.019	0.007	19.9	0.020
726755.3	1072512.2	521.5	0.422	0.250	30.6	0.491	3.7	0.039	0.009	0.003	20.2	0.010	0.0	0.019	0.007	19.9	0.021
726760.3	1072512.5	521.4	0.443	0.262	30.6	0.515	3.8	0.041	0.009	0.003	20.2	0.010	0.0	0.020	0.007	19.9	0.021
726765.3	1072512.7	521.3	0.465	0.276	30.6	0.541	3.8	0.043	0.010	0.004	20.2	0.010	0.0	0.020	0.007	19.9	0.022
726770.3	1072512.9	521.2	0.490	0.290	30.6	0.569	3.9	0.045	0.010	0.004	20.2	0.011	0.0	0.021	0.008	19.9	0.022
726775.2	1072513.2	521.1	0.516	0.305	30.6	0.600	3.9	0.048	0.011	0.004	20.2	0.011	0.0	0.021	0.008	19.9	0.023
726780.2	1072513.4	521.0	0.545	0.322	30.6	0.633	4.0	0.050	0.011	0.004	20.2	0.012	0.0	0.022	0.008	19.9	0.023
726785.2	1072513.7	520.9	0.576	0.341	30.6	0.670	4.0	0.053	0.011	0.004	20.3	0.012	0.0	0.022	0.008	20.0	0.024
726790.2	1072513.9	520.9	0.611	0.361	30.6	0.709	4.1	0.056	0.012	0.004	20.3	0.013	0.0	0.023	0.008	20.0	0.024
726795.2	1072514.1	520.8	0.648	0.383	30.6	0.753	4.1	0.060	0.012	0.005	20.3	0.013	0.0	0.023	0.008	20.0	0.025
726800.2	1072514.4	520.7	0.689	0.407	30.6	0.800	4.2	0.064	0.013	0.005	20.3	0.014	0.0	0.024	0.009	20.0	0.025
726805.2	1072514.6	520.6	0.733	0.433	30.6	0.852	4.2	0.068	0.014	0.005	20.3	0.014	0.0	0.024	0.009	20.0	0.026
726810.2	1072514.8	520.5	0.782	0.462	30.6	0.909	4.3	0.072	0.014	0.005	20.3	0.015	0.0	0.025	0.009	20.0	0.026
726815.2	1072515.1	520.5	0.836	0.494	30.6	0.971	4.4	0.077	0.015	0.006	20.4	0.016	0.0	0.026	0.009	20.1	0.027
726820.2	1072515.3	520.5	0.895	0.529	30.6	1.040	4.4	0.083	0.016	0.006	20.4	0.017	0.1	0.027	0.010	20.1	0.028
726825.2	1072515.6	520.5	0.960	0.567	30.6	1.116	4.5	0.089	0.016	0.006	20.4	0.017	0.1	0.028	0.010	20.1	0.029
726830.2	1072515.8	520.5	1.032	0.610	30.6	1.199	4.6	0.095	0.017	0.006	20.4	0.018	0.1	0.029	0.010	20.1	0.030
726835.2	1072516.0	520.5	1.111	0.657	30.6	1.291	4.6	0.103	0.018	0.007	20.4	0.019	0.1	0.030	0.011	20.1	0.032
726840.2	1072516.3	520.5	1.198	0.708	30.6	1.392	4.7	0.111	0.019	0.007	20.5	0.020	0.1	0.031	0.011	20.2	0.033
726845.2	1072516.5	520.4	1.295	0.766	30.6	1.504	4.8	0.120	0.020	0.007	20.5	0.021	0.1	0.032	0.012	20.2	0.034
726850.2	1072516.8	520.4	1.402	0.829	30.6	1.629	4.9	0.130	0.021	0.008	20.5	0.022	0.1	0.033	0.012	20.2	0.035
726855.2	1072517.0	520.4	1.521	0.900	30.6	1.767	5.0	0.141	0.022	0.008	20.5	0.023	0.1	0.035	0.013	20.2	0.037
726860.2	1072517.2	520.5	1.653	0.979	30.6	1.921	5.0	0.153	0.023	0.008	20.5	0.024	0.1	0.036	0.013	20.3	0.039
726865.1	1072517.5	520.6	1.801	1.068	30.7	2.094	5.1	0.167	0.024	0.009	20.6	0.025	0.1	0.038	0.014	20.3	0.041
726870.1	1072517.7	520.6	1.966	1.167	30.7	2.287	5.2	0.182	0.025	0.009	20.6	0.027	0.1	0.040	0.015	20.3	0.043
726875.1	1072517.9	520.6	2.151	1.278	30.7	2.502	5.4	0.199	0.026	0.010	20.6	0.028	0.1	0.042	0.016	20.3	0.045
726880.1	1072518.2	520.6	2.358	1.403	30.8	2.744	5.5	0.218	0.027	0.010	20.6	0.029	0.1	0.044	0.016	20.4	0.047
726885.1	1072518.4	520.6	2.591	1.544	30.8	3.016	5.6	0.240	0.029	0.011	20.6	0.031	0.1	0.045	0.017	20.4	0.048
726890.1	1072518.7	520.6	2.854	1.704	30.8	3.324	5.7	0.265	0.030	0.011	20.6	0.032	0.1	0.047	0.018	20.4	0.051
726895.1	1072518.9	520.7	3.152	1.886	30.9	3.673	5.9	0.292	0.032	0.012	20.6	0.034	0.1	0.050	0.019	20.4	0.053
726900.1	1072519.1	520.7	3.490	2.094	31.0	4.070	6.0	0.324	0.033	0.012	20.6	0.035	0.1	0.052	0.019	20.4	0.055
726905.1	1072519.4	520.7	3.875	2.331	31.0	4.522	6.2	0.360	0.034	0.013	20.6	0.037	0.1	0.054	0.020	20.4	0.058
726910.1	1072519.6	520.8	4.314	2.604	31.1	5.039	6.3	0.401	0.036	0.013	20.5	0.038	0.1	0.057	0.021	20.4	0.060
726915.1	1072519.8	520.8	4.817	2.918	31.2	5.632	6.5	0.448	0.037	0.014	20.4	0.039	0.1	0.059	0.022	20.4	0.062
726920.1	1072520.1	520.8	5.392	3.281	31.3	6.312	6.7	0.502	0.038	0.014	20.3	0.040	0.2	0.060	0.022	20.3	0.064

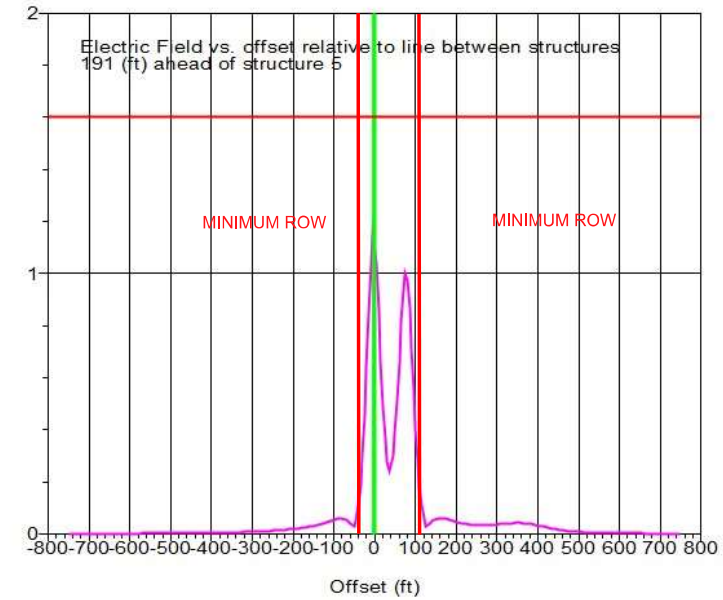
726925.1	1072520.3	520.7	6.056	3.703	31.4	7.098	6.9	0.565	0.039	0.014	20.0	0.041	0.3	0.061	0.022	20.2	0.065
726930.1	1072520.6	520.7	6.825	4.197	31.6	8.012	7.1	0.638	0.039	0.014	19.7	0.041	0.5	0.061	0.022	20.0	0.065
726935.1	1072520.8	520.8	7.718	4.776	31.7	9.077	7.3	0.722	0.038	0.013	19.1	0.041	0.8	0.062	0.022	19.6	0.065
726940.1	1072521.0	520.8	8.759	5.460	31.9	10.321	7.5	0.821	0.037	0.012	18.2	0.039	1.4	0.061	0.021	19.1	0.064
726945.1	1072521.3	520.8	9.977	6.270	32.1	11.783	7.7	0.938	0.034	0.010	16.5	0.035	2.6	0.059	0.019	18.2	0.062
726950.1	1072521.5	520.8	11.405	7.236	32.4	13.506	8.0	1.075	0.029	0.007	13.6	0.030	5.6	0.054	0.016	16.6	0.057
726955.0	1072521.8	520.8	13.083	8.391	32.7	15.543	8.2	1.237	0.022	0.004	10.8	0.023	15.7	0.047	0.011	13.4	0.049
726960.0	1072522.0	520.8	15.062	9.781	33.0	17.959	8.4	1.429	0.013	0.009	33.9	0.016	66.3	0.037	0.004	5.9	0.037
726965.0	1072522.2	520.8	17.400	11.460	33.4	20.835	8.7	1.658	0.014	0.020	55.2	0.025	30.0	0.021	-0.007	-19.8	0.022
726970.0	1072522.5	520.8	20.161	13.494	33.8	24.260	8.8	1.931	0.035	0.038	47.3	0.051	8.7	-0.002	-0.024	85.8	0.024
726975.0	1072522.7	520.8	23.418	15.961	34.3	28.340	8.9	2.255	0.067	0.063	43.2	0.092	3.2	-0.033	-0.048	55.5	0.058
726980.0	1072522.9	520.8	27.242	18.945	34.8	33.181	8.9	2.640	0.112	0.099	41.7	0.150	1.0	-0.075	-0.082	47.5	0.111
726985.0	1072523.2	520.8	31.705	22.541	35.4	38.901	8.8	3.096	0.171	0.150	41.4	0.227	0.1	-0.132	-0.130	44.7	0.185
726990.0	1072523.4	520.8	36.836	26.811	36.0	45.560	8.5	3.626	0.246	0.219	41.7	0.329	0.6	-0.205	-0.197	43.9	0.284
726995.0	1072523.7	520.8	42.576	31.740	36.7	53.105	7.9	4.226	0.336	0.308	42.5	0.456	1.0	-0.293	-0.283	43.9	0.407
727000.0	1072523.9	520.9	48.742	37.172	37.3	61.299	7.0	4.878	0.438	0.414	43.4	0.603	1.2	-0.394	-0.386	44.5	0.552
727005.0	1072524.1	520.9	54.950	42.728	37.9	69.607	5.8	5.539	0.540	0.527	44.3	0.755	1.1	-0.496	-0.498	45.1	0.702
727010.0	1072524.4	520.9	60.602	47.766	38.2	77.164	4.3	6.141	0.626	0.626	45.0	0.885	1.0	-0.583	-0.597	45.7	0.834
727015.0	1072524.6	521.0	64.984	51.493	38.4	82.912	2.7	6.598	0.675	0.683	45.4	0.960	0.9	-0.636	-0.657	46.0	0.915
727020.0	1072524.9	521.0	67.504	53.259	38.3	85.984	1.0	6.842	0.674	0.681	45.3	0.959	1.0	-0.641	-0.661	45.9	0.920
727025.0	1072525.1	521.0	68.014	52.921	37.9	86.177	0.6	6.858	0.626	0.621	44.8	0.881	1.2	-0.598	-0.606	45.4	0.851
727030.0	1072525.3	521.1	66.869	50.912	37.3	84.045	1.7	6.688	0.544	0.522	43.9	0.754	1.4	-0.520	-0.513	44.6	0.730
727035.0	1072525.6	521.1	64.729	47.992	36.6	80.579	2.4	6.412	0.448	0.414	42.7	0.610	1.6	-0.427	-0.407	43.7	0.590
727039.9	1072525.8	521.1	62.287	44.924	35.8	76.798	2.5	6.111	0.358	0.315	41.4	0.477	1.6	-0.337	-0.311	42.6	0.459
727044.9	1072526.0	521.1	60.106	42.293	35.1	73.494	2.1	5.848	0.284	0.239	40.1	0.371	1.5	-0.263	-0.234	41.7	0.352
727049.9	1072526.3	521.2	58.582	40.492	34.7	71.214	1.3	5.667	0.232	0.187	38.9	0.299	1.2	-0.210	-0.182	40.9	0.278
727054.9	1072526.5	521.2	57.975	39.762	34.4	70.300	0.3	5.594	0.208	0.163	38.1	0.264	0.5	-0.183	-0.156	40.5	0.241
727059.9	1072526.8	521.2	58.412	40.222	34.6	70.920	0.9	5.644	0.211	0.166	38.2	0.268	0.5	-0.184	-0.157	40.5	0.242
727064.9	1072527.0	521.2	59.907	41.898	35.0	73.104	1.9	5.817	0.244	0.198	39.1	0.314	1.3	-0.212	-0.185	41.1	0.281
727069.9	1072527.2	521.3	62.359	44.717	35.6	76.735	2.6	6.106	0.305	0.260	40.4	0.401	1.6	-0.269	-0.242	42.0	0.362
727074.9	1072527.5	521.3	65.519	48.462	36.5	81.495	2.9	6.485	0.393	0.352	41.9	0.527	1.7	-0.354	-0.331	43.1	0.484
727079.9	1072527.7	521.3	68.931	52.694	37.4	86.765	2.5	6.905	0.499	0.471	43.3	0.687	1.7	-0.458	-0.447	44.3	0.640
727084.9	1072528.0	521.3	71.891	56.668	38.2	91.540	1.6	7.285	0.610	0.603	44.6	0.858	1.5	-0.569	-0.577	45.4	0.810
727089.9	1072528.2	521.3	73.488	59.353	38.9	94.463	0.2	7.517	0.702	0.716	45.6	1.003	1.3	-0.662	-0.691	46.2	0.957
727094.9	1072528.4	521.4	72.861	59.719	39.3	94.208	1.5	7.497	0.747	0.775	46.0	1.076	1.1	-0.711	-0.753	46.6	1.036
727099.9	1072528.7	521.4	69.627	57.264	39.4	90.150	3.5	7.174	0.729	0.755	46.0	1.049	1.1	-0.698	-0.739	46.6	1.016
727104.9	1072528.9	521.4	64.147	52.366	39.2	82.807	5.3	6.590	0.653	0.664	45.5	0.931	1.2	-0.627	-0.653	46.2	0.905
727109.9	1072529.1	521.4	57.326	46.046	38.8	73.529	6.8	5.851	0.541	0.533	44.6	0.760	1.3	-0.518	-0.527	45.5	0.739
727114.9	1072529.4	521.4	50.069	39.344	38.2	63.678	8.0	5.067	0.419	0.398	43.5	0.578	1.2	-0.395	-0.392	44.8	0.556
727119.9	1072529.6	521.4	43.072	33.020	37.5	54.273	8.8	4.319	0.306	0.281	42.6	0.416	0.9	-0.277	-0.271	44.4	0.387
727124.9	1072529.9	521.4	36.784	27.506	36.8	45.931	9.2	3.655	0.211	0.190	42.0	0.284	0.3	-0.179	-0.177	44.8	0.252
727129.8	1072530.1	521.4	31.321	22.872	36.1	38.783	9.4	3.086	0.137	0.123	42.0	0.184	0.9	-0.102	-0.109	46.9	0.149
727134.8	1072530.3	521.3	26.666	19.056	35.6	32.776	9.5	2.608	0.081	0.076	43.1	0.111	3.1	-0.045	-0.061	53.8	0.076
727139.8	1072530.6	521.3	22.745	15.943	35.0	27.777	9.3	2.210	0.041	0.044	46.6	0.060	9.0	-0.004	-0.029	82.3	0.029
727144.8	1072530.8	521.3	19.460	13.410	34.6	23.633	9.1	1.881	0.017	0.022	52.6	0.028	33.0	0.025	-0.007	-16.9	0.026
727149.8	1072531.1	521.3	16.710	11.346	34.2	20.198	8.9	1.607	0.017	0.009	27.9	0.019	52.8	0.044	0.007	8.5	0.044
727154.8	1072531.3	521.2	14.408	9.658	33.8	17.346	8.6	1.380	0.027	0.006	12.5	0.028	12.8	0.057	0.015	15.3	0.059
727159.8	1072531.5	521.2	12.473	8.269	33.5	14.965	8.4	1.191	0.035	0.010	15.9	0.037	4.5	0.064	0.021	18.1	0.067
727164.8	1072531.8	521.1	10.841	7.119	33.3	12.970	8.1	1.032	0.040	0.013	18.3	0.042	2.0	0.068	0.024	19.4	0.072
727169.8	1072532.0	521.0	9.464	6.163	33.1	11.294	7.8	0.899	0.043	0.015	19.5	0.046	1.0	0.069	0.025	20.1	0.073
727174.8	1072532.2	520.9	8.298	5.365	32.9	9.881	7.6	0.786	0.044	0.016	20.2	0.047	0.5	0.068	0.026	20.5	0.073
727179.8	1072532.5	520.9	7.305	4.693	32.7	8.683	7.3	0.691	0.044	0.017	20.7	0.047	0.3	0.067	0.025	20.7	0.071
727184.8	1072532.7	520.8	6.457	4.126	32.6	7.662	7.1	0.610	0.044	0.017	20.9	0.047	0.1	0.064	0.024	20.8	0.069
727189.8	1072533.0	520.7	5.729	3.643	32.5	6.789	6.9	0.540	0.043	0.016	21.0	0.046	0.1	0.062	0.024	20.9	0.066
727194.8	1072533.2	520.7	5.102	3.231	32.3	6.039	6.7	0.481	0.041	0.016	21.1	0.044	0.1	0.059	0.023	20.9	0.064
727199.8	1072533.4	520.6	4.560	2.876	32.2	5.391	6.5	0.429	0.040	0.015	21.1	0.043	0.1	0.057	0.022	20.8	0.061
727204.8	1072533.7	520.6	4.088	2.570	32.2	4.829	6.3	0.384	0.038	0.015	21.1	0.041	0.1	0.054	0.021	20.8	0.058
727209.8	1072533.9	520.5	3.676	2.304	32.1	4.339	6.2	0.345	0.036	0.014	21.1	0.039	0.1	0.051	0.019	20.7	0.055
727214.7	1072534.2	520.5	3.316	2.073	32.0	3.910	6.0	0.311	0.035	0.013	21.1	0.037	0.1	0.049	0.018	20.7	0.052
727219.7	1072534.4	520.4	2.999	1.871	32.0	3.535	5.9	0.281	0.033	0.013	21.0	0.035	0.1	0.046	0.017	20.6	0.050
727224.7	1072534.6	520.3	2.720	1.693	31.9	3.204	5.7	0.255	0.031	0.012	21.0	0.034	0.1	0.044	0.017	20.6	0.047
727229.7	1072534.9	520.3	2.473	1.537	31.9	2.912	5.6	0.232	0.030	0.011	21.0	0.032	0.1	0.042	0.016	20.5	0.045
727234.7	1072535.1	520.2	2.255	1.398	31.8	2.653	5.5	0.211	0.028	0.011	20.9	0.030	0.1	0.040	0.015	20.4	0.042
727239.7	1072535.3	520.2	2.060	1.276	31.8	2.423	5.4	0.193	0.027	0.010	20.9	0.029	0.1	0.038	0.014	20.4	0.040
727244.7	1072535.6	520.1	1.886	1.166	31.7	2.218	5.3	0.176	0.026	0.010	20.8	0.027	0.1	0.036	0.013	20.3	0.038
727249.7	1072535.8	520.0	1.731	1.069	31.7	2.034	5.2	0.162	0.024	0.009	20.8	0.026	0.1	0.034	0.012	20.3	0.036
727254.7	1072536.1	520.0	1.591	0.982	31.7	1.870	5.2	0.149	0.023	0.009	20.8	0.025	0.1	0.032	0.012	20.2	0.034
727259.7	1072536.3	519.9	1.466	0.904	31.6	1.722	5.1	0.137	0.022	0.008	20.7	0.023	0.1	0.030	0.011	20.1	0.032
727264.7	1072536.5	519.9	1.354	0.833	31.6	1.590	5.0	0.127	0.021	0.008	20.7	0.022	0.1	0.029	0.011	20.1	0.031

727269.7	1072536.8	519.9	1.252	0.770	31.6	1.470	5.0	0.117	0.020	0.007	20.6	0.021	0.1	0.028	0.010	20.0	0.030
727274.7	1072537.0	519.9	1.160	0.713	31.6	1.362	4.9	0.108	0.019	0.007	20.6	0.020	0.1	0.027	0.010	20.0	0.029
727279.7	1072537.2	519.9	1.077	0.661	31.6	1.264	4.9	0.101	0.018	0.007	20.6	0.019	0.1	0.026	0.009	19.9	0.028
727284.7	1072537.5	519.9	1.001	0.615	31.5	1.175	4.9	0.093	0.017	0.006	20.5	0.018	0.1	0.025	0.009	19.9	0.027
727289.7	1072537.7	519.9	0.932	0.572	31.5	1.094	4.8	0.087	0.016	0.006	20.5	0.018	0.1	0.024	0.009	19.8	0.026
727294.7	1072538.0	519.9	0.869	0.533	31.5	1.019	4.8	0.081	0.016	0.006	20.4	0.017	0.1	0.023	0.008	19.8	0.025
727299.7	1072538.2	519.9	0.811	0.497	31.5	0.952	4.8	0.076	0.015	0.006	20.4	0.016	0.1	0.022	0.008	19.7	0.024
727304.6	1072538.4	519.9	0.759	0.465	31.5	0.890	4.8	0.071	0.014	0.005	20.4	0.015	0.1	0.022	0.008	19.7	0.023
727309.6	1072538.7	519.9	0.710	0.435	31.5	0.833	4.7	0.066	0.014	0.005	20.3	0.015	0.1	0.021	0.007	19.6	0.022
727314.6	1072538.9	519.9	0.666	0.407	31.5	0.780	4.7	0.062	0.013	0.005	20.3	0.014	0.1	0.020	0.007	19.6	0.021
727319.6	1072539.2	519.8	0.625	0.382	31.5	0.732	4.7	0.058	0.013	0.005	20.3	0.013	0.1	0.019	0.007	19.5	0.020
727324.6	1072539.4	519.8	0.587	0.359	31.5	0.688	4.7	0.055	0.012	0.004	20.2	0.013	0.1	0.019	0.007	19.5	0.020
727329.6	1072539.6	519.8	0.552	0.338	31.4	0.647	4.7	0.051	0.012	0.004	20.2	0.012	0.1	0.018	0.006	19.4	0.019
727334.6	1072539.9	519.8	0.520	0.318	31.4	0.609	4.7	0.048	0.011	0.004	20.2	0.012	0.1	0.017	0.006	19.4	0.018
727339.6	1072540.1	519.8	0.490	0.300	31.4	0.574	4.7	0.046	0.011	0.004	20.1	0.011	0.1	0.017	0.006	19.3	0.018
727344.6	1072540.3	519.8	0.462	0.283	31.4	0.542	4.8	0.043	0.010	0.004	20.1	0.011	0.1	0.016	0.006	19.3	0.017
727349.6	1072540.6	519.8	0.437	0.267	31.4	0.512	4.8	0.041	0.010	0.004	20.1	0.010	0.1	0.016	0.006	19.3	0.017
727354.6	1072540.8	519.8	0.413	0.252	31.4	0.484	4.8	0.038	0.009	0.003	20.0	0.010	0.1	0.015	0.005	19.2	0.016
727359.6	1072541.1	519.8	0.391	0.239	31.4	0.458	4.8	0.036	0.009	0.003	20.0	0.010	0.1	0.015	0.005	19.2	0.016
727364.6	1072541.3	519.8	0.370	0.226	31.4	0.433	4.9	0.034	0.009	0.003	20.0	0.009	0.1	0.014	0.005	19.1	0.015
727369.6	1072541.5	519.8	0.351	0.214	31.4	0.411	4.9	0.033	0.008	0.003	19.9	0.009	0.1	0.014	0.005	19.1	0.015
727374.6	1072541.8	519.8	0.333	0.203	31.4	0.390	4.9	0.031	0.008	0.003	19.9	0.009	0.1	0.013	0.005	19.0	0.014
727379.6	1072542.0	519.8	0.316	0.193	31.4	0.370	5.0	0.029	0.008	0.003	19.9	0.008	0.1	0.013	0.004	19.0	0.014
727384.6	1072542.3	519.8	0.300	0.183	31.4	0.352	5.0	0.028	0.008	0.003	19.8	0.008	0.1	0.013	0.004	19.0	0.013
727389.6	1072542.5	519.8	0.285	0.174	31.4	0.334	5.0	0.027	0.007	0.003	19.8	0.008	0.1	0.012	0.004	18.9	0.013
727394.5	1072542.7	519.8	0.272	0.166	31.4	0.318	5.1	0.025	0.007	0.003	19.8	0.008	0.1	0.012	0.004	18.9	0.013
727399.5	1072543.0	519.8	0.259	0.158	31.4	0.303	5.1	0.024	0.007	0.002	19.8	0.007	0.1	0.012	0.004	18.8	0.012
727404.5	1072543.2	519.8	0.247	0.151	31.4	0.289	5.2	0.023	0.007	0.002	19.7	0.007	0.1	0.011	0.004	18.8	0.012
727409.5	1072543.4	519.7	0.235	0.144	31.4	0.276	5.2	0.022	0.006	0.002	19.7	0.007	0.1	0.011	0.004	18.7	0.011
727414.5	1072543.7	519.7	0.225	0.137	31.4	0.264	5.3	0.021	0.006	0.002	19.7	0.007	0.1	0.011	0.004	18.7	0.011
727419.5	1072543.9	519.7	0.215	0.131	31.4	0.252	5.3	0.020	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.7	0.011
727424.5	1072544.2	519.7	0.206	0.126	31.4	0.241	5.4	0.019	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.6	0.010
727429.5	1072544.4	519.7	0.197	0.120	31.4	0.231	5.4	0.018	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.6	0.010
727434.5	1072544.6	519.6	0.189	0.115	31.4	0.221	5.5	0.018	0.005	0.002	19.6	0.006	0.1	0.009	0.003	18.5	0.010
727439.5	1072544.9	519.6	0.181	0.111	31.4	0.213	5.5	0.017	0.005	0.002	19.5	0.006	0.1	0.009	0.003	18.5	0.010
727444.5	1072545.1	519.6	0.174	0.107	31.4	0.204	5.6	0.016	0.005	0.002	19.5	0.005	0.1	0.009	0.003	18.5	0.009
727449.5	1072545.4	519.6	0.168	0.103	31.4	0.197	5.6	0.016	0.005	0.002	19.5	0.005	0.1	0.008	0.003	18.4	0.009
727454.5	1072545.6	519.6	0.162	0.099	31.4	0.189	5.7	0.015	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.4	0.009
727459.5	1072545.8	519.6	0.156	0.095	31.4	0.183	5.7	0.015	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.3	0.008
727464.5	1072546.1	519.6	0.151	0.092	31.4	0.176	5.7	0.014	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.3	0.008
727469.5	1072546.3	519.6	0.146	0.089	31.4	0.171	5.8	0.014	0.004	0.002	19.4	0.005	0.1	0.008	0.003	18.3	0.008
727474.5	1072546.5	519.6	0.141	0.086	31.4	0.165	5.8	0.013	0.004	0.001	19.3	0.005	0.1	0.007	0.002	18.2	0.008
727479.4	1072546.8	519.6	0.137	0.084	31.4	0.161	5.8	0.013	0.004	0.001	19.3	0.004	0.1	0.007	0.002	18.2	0.008
727484.4	1072547.0	519.5	0.133	0.081	31.4	0.156	5.8	0.012	0.004	0.001	19.3	0.004	0.1	0.007	0.002	18.2	0.007
727489.4	1072547.3	519.5	0.130	0.079	31.4	0.152	5.8	0.012	0.004	0.001	19.3	0.004	0.1	0.007	0.002	18.1	0.007
727494.4	1072547.5	519.5	0.127	0.077	31.3	0.148	5.8	0.012	0.004	0.001	19.2	0.004	0.1	0.007	0.002	18.1	0.007
727499.4	1072547.7	519.6	0.124	0.075	31.3	0.145	5.8	0.012	0.004	0.001	19.2	0.004	0.1	0.007	0.002	18.1	0.007
727504.4	1072548.0	519.6	0.121	0.074	31.3	0.142	5.8	0.011	0.004	0.001	19.2	0.004	0.1	0.006	0.002	18.0	0.007
727509.4	1072548.2	519.6	0.119	0.072	31.3	0.139	5.8	0.011	0.003	0.001	19.2	0.004	0.1	0.006	0.002	18.0	0.007
727514.4	1072548.5	519.6	0.117	0.071	31.2	0.137	5.8	0.011	0.003	0.001	19.1	0.004	0.1	0.006	0.002	18.0	0.006
727519.4	1072548.7	519.6	0.115	0.070	31.2	0.135	5.7	0.011	0.003	0.001	19.1	0.003	0.1	0.006	0.002	17.9	0.006
727524.4	1072548.9	519.6	0.114	0.069	31.1	0.133	5.7	0.011	0.003	0.001	19.1	0.003	0.1	0.006	0.002	17.9	0.006
727529.4	1072549.2	519.6	0.113	0.068	31.1	0.131	5.6	0.010	0.003	0.001	19.1	0.003	0.1	0.006	0.002	17.9	0.006
727534.4	1072549.4	519.6	0.111	0.067	31.1	0.130	5.6	0.010	0.003	0.001	19.0	0.003	0.1	0.006	0.002	17.8	0.006
727539.4	1072549.6	519.6	0.111	0.066	31.0	0.129	5.5	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.8	0.006
727544.4	1072549.9	519.6	0.110	0.066	31.0	0.128	5.4	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.8	0.006
727549.4	1072550.1	519.6	0.109	0.065	30.9	0.127	5.3	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.8	0.005
727554.4	1072550.4	519.6	0.109	0.065	30.9	0.127	5.3	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.7	0.005
727559.4	1072550.6	519.7	0.108	0.065	30.8	0.126	5.2	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727564.4	1072550.8	519.7	0.108	0.064	30.8	0.126	5.1	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727569.3	1072551.1	519.7	0.108	0.064	30.7	0.126	5.0	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727574.3	1072551.3	519.8	0.108	0.064	30.7	0.126	4.9	0.010	0.002	0.001	18.9	0.003	0.1	0.005	0.002	17.6	0.005
727579.3	1072551.5	519.8	0.108	0.064	30.7	0.126	4.8	0.010	0.002	0.001	18.8	0.003	0.1	0.005	0.001	17.6	0.005
727584.3	1072551.8	519.9	0.108	0.064	30.6	0.126	4.7	0.010	0.002	0.001	18.8	0.002	0.1	0.005	0.001	17.6	0.005
727589.3	1072552.0	519.9	0.108	0.064	30.6	0.126	4.6	0.010	0.002	0.001	18.8	0.002	0.1	0.005	0.001	17.6	0.005
727594.3	1072552.3	520.0	0.109	0.064	30.5	0.126	4.5	0.010	0.002	0.001	18.8	0.002	0.1	0.004	0.001	17.6	0.005
727599.3	1072552.5	520.0	0.109	0.064	30.5	0.126	4.4	0.010	0.002	0.001	18.8	0.002	0.1	0.004	0.001	17.6	0.005
727604.3	1072552.7	520.1	0.109	0.064	30.5	0.127	4.3	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.005
727609.3	1072553.0	520.1	0.110	0.064	30.4	0.127	4.2	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.005

727614.3	1072553.2	520.2	0.110	0.065	30.4	0.128	4.2	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.004
727619.3	1072553.5	520.2	0.110	0.065	30.4	0.128	4.1	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.004
727624.3	1072553.7	520.3	0.111	0.065	30.3	0.128	4.0	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.004
727629.3	1072553.9	520.3	0.111	0.065	30.3	0.129	3.9	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.004
727634.3	1072554.2	520.3	0.111	0.065	30.3	0.129	3.8	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727639.3	1072554.4	520.3	0.112	0.065	30.3	0.130	3.7	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727644.3	1072554.6	520.3	0.112	0.065	30.2	0.130	3.7	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727649.3	1072554.9	520.3	0.113	0.066	30.2	0.130	3.6	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727654.2	1072555.1	520.3	0.113	0.066	30.2	0.131	3.5	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.3	0.004
727659.2	1072555.4	520.3	0.113	0.066	30.2	0.131	3.4	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.3	0.004
727664.2	1072555.6	520.3	0.114	0.066	30.2	0.131	3.4	0.010	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.3	0.004
727669.2	1072555.8	520.3	0.114	0.066	30.1	0.132	3.3	0.010	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.3	0.004
727674.2	1072556.1	520.3	0.114	0.066	30.1	0.132	3.3	0.011	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.3	0.003
727679.2	1072556.3	520.3	0.114	0.066	30.1	0.132	3.2	0.011	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.2	0.003
727684.2	1072556.6	520.3	0.115	0.066	30.1	0.133	3.1	0.011	0.001	0.000	18.5	0.002	0.1	0.003	0.001	17.2	0.003
727689.2	1072556.8	520.3	0.115	0.067	30.1	0.133	3.1	0.011	0.001	0.000	18.5	0.002	0.1	0.003	0.001	17.2	0.003
727694.2	1072557.0	520.3	0.115	0.067	30.1	0.133	3.0	0.011	0.001	0.000	18.4	0.002	0.1	0.003	0.001	17.2	0.003
727699.2	1072557.3	520.3	0.115	0.067	30.1	0.133	3.0	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.2	0.003
727704.2	1072557.5	520.4	0.115	0.067	30.1	0.133	2.9	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.2	0.003
727709.2	1072557.7	520.4	0.115	0.067	30.0	0.133	2.9	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727714.2	1072558.0	520.4	0.115	0.067	30.0	0.133	2.8	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727719.2	1072558.2	520.4	0.115	0.067	30.0	0.133	2.8	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727724.2	1072558.5	520.4	0.116	0.067	30.0	0.133	2.7	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727729.2	1072558.7	520.5	0.116	0.067	30.0	0.133	2.7	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727734.2	1072558.9	520.5	0.115	0.067	30.0	0.133	2.7	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727739.2	1072559.2	520.5	0.115	0.067	30.0	0.133	2.6	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727744.1	1072559.4	520.5	0.115	0.067	30.0	0.133	2.6	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727749.1	1072559.7	520.5	0.092	0.058	31.9	0.109	4.2	0.009	0.001	0.000	18.9	0.001	0.1	0.002	0.001	18.2	0.003
727754.1	1072559.9	520.5	0.092	0.057	31.9	0.108	4.2	0.009	0.001	0.000	18.9	0.001	0.1	0.002	0.001	18.2	0.003
727759.1	1072560.1	520.5	0.120	0.073	31.4	0.140	3.3	0.011	0.001	0.000	18.4	0.001	0.2	0.002	0.000	16.9	0.002
727764.1	1072560.4	520.5	0.118	0.072	31.4	0.139	3.3	0.011	0.001	0.000	18.4	0.001	0.2	0.001	0.000	16.9	0.002
727769.1	1072560.6	520.5	0.136	0.082	31.1	0.159	3.1	0.013	0.001	0.000	17.8	0.001	0.2	0.001	0.000	16.4	0.001

Mid-span cross section results between structures 5 and 6


Magnetic Field vs. offset relative to line between structures
191 (ft) ahead of structure 5
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
120
100
80
60
40
20
0
-800-700-600-500-400-300-200-100 0 100 200 300 400 500 600 700 800
Offset (ft)


Electric Field vs. offset relative to line between structures
191 (ft) ahead of structure 5
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
2
1
0
-800-700-600-500-400-300-200-100 0 100 200 300 400 500 600 700 800
Offset (ft)

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 726260.9-726255.9= 5ft in X direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 5 to 6:

Measurement			B					H	E					Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
726255.9	1072802.6	528.9	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	-nan(ind)	0.000
726260.9	1072802.8	528.7	0.043	0.025	30.0	0.050	1.2	0.004	0.000	0.000	20.6	0.000	0.0	0.002	0.001	20.6	0.002
726265.9	1072803.1	528.4	0.044	0.025	30.0	0.051	1.2	0.004	0.000	0.000	20.6	0.000	0.0	0.002	0.001	20.6	0.002
726270.8	1072803.3	528.2	0.045	0.026	30.0	0.052	1.2	0.004	0.000	0.000	20.6	0.000	0.0	0.002	0.001	20.6	0.002
726275.8	1072803.5	527.9	0.046	0.026	30.0	0.053	1.2	0.004	0.000	0.000	20.6	0.000	0.0	0.002	0.001	20.6	0.002
726280.8	1072803.8	527.7	0.072	0.042	30.0	0.083	1.1	0.007	0.001	0.000	20.4	0.001	0.0	0.002	0.001	20.5	0.003
726285.8	1072804.0	527.5	0.126	0.075	30.8	0.147	1.4	0.012	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726290.8	1072804.3	527.2	0.128	0.076	30.8	0.149	1.4	0.012	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726295.8	1072804.5	527.0	0.130	0.078	30.8	0.152	1.4	0.012	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726300.8	1072804.7	526.7	0.132	0.079	30.8	0.154	1.4	0.012	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726305.8	1072805.0	526.5	0.134	0.080	30.8	0.156	1.4	0.012	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726310.8	1072805.2	526.3	0.136	0.081	30.8	0.159	1.4	0.013	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726315.8	1072805.4	526.0	0.139	0.083	30.8	0.161	1.4	0.013	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726320.8	1072805.7	525.8	0.141	0.084	30.8	0.164	1.4	0.013	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726325.8	1072805.9	525.6	0.143	0.085	30.8	0.166	1.4	0.013	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003
726330.8	1072806.2	525.4	0.121	0.072	30.9	0.141	1.5	0.011	0.001	0.000	19.7	0.001	0.1	0.004	0.001	19.5	0.004
726335.8	1072806.4	525.2	0.123	0.073	30.9	0.143	1.5	0.011	0.001	0.000	19.7	0.001	0.1	0.004	0.001	19.5	0.004
726340.8	1072806.6	525.0	0.157	0.091	30.1	0.181	0.7	0.014	0.001	0.000	19.1	0.001	0.1	0.004	0.001	18.9	0.004
726345.8	1072806.9	524.8	0.159	0.092	30.2	0.184	0.7	0.015	0.001	0.000	19.1	0.001	0.1	0.004	0.001	18.9	0.004
726350.8	1072807.1	524.6	0.161	0.093	30.2	0.186	0.7	0.015	0.001	0.000	19.1	0.001	0.1	0.004	0.001	18.9	0.004
726355.7	1072807.4	524.4	0.154	0.090	30.2	0.179	0.9	0.014	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726360.7	1072807.6	524.3	0.156	0.091	30.2	0.181	0.9	0.014	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726365.7	1072807.8	524.1	0.158	0.092	30.2	0.183	0.9	0.015	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726370.7	1072808.1	523.9	0.160	0.093	30.2	0.186	0.9	0.015	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726375.7	1072808.3	523.7	0.163	0.095	30.2	0.188	0.9	0.015	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726380.7	1072808.5	523.5	0.165	0.096	30.2	0.190	0.9	0.015	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726385.7	1072808.8	523.3	0.167	0.097	30.2	0.193	0.9	0.015	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726390.7	1072809.0	523.2	0.169	0.098	30.2	0.196	0.9	0.016	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726395.7	1072809.3	523.0	0.171	0.100	30.2	0.198	0.9	0.016	0.001	0.000	19.3	0.001	0.0	0.005	0.002	19.0	0.005
726400.7	1072809.5	522.9	0.174	0.101	30.2	0.201	0.9	0.016	0.001	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726405.7	1072809.7	522.7	0.176	0.102	30.2	0.204	0.9	0.016	0.001	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726410.7	1072810.0	522.6	0.178	0.104	30.2	0.206	0.9	0.016	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726415.7	1072810.2	522.5	0.181	0.105	30.2	0.209	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726420.7	1072810.4	522.4	0.183	0.107	30.2	0.212	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726425.7	1072810.7	522.2	0.186	0.108	30.2	0.215	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726430.7	1072810.9	522.1	0.189	0.110	30.2	0.218	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.005
726435.7	1072811.2	522.0	0.191	0.111	30.2	0.221	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.006
726440.7	1072811.4	521.9	0.194	0.113	30.2	0.225	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.006
726445.6	1072811.6	521.9	0.197	0.115	30.3	0.228	0.8	0.018	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.006
726450.6	1072811.9	521.8	0.200	0.117	30.3	0.231	0.8	0.018	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.0	0.006
726455.6	1072812.1	521.7	0.203	0.118	30.3	0.235	0.8	0.019	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726460.6	1072812.4	521.6	0.206	0.120	30.3	0.238	0.8	0.019	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726465.6	1072812.6	521.6	0.209	0.122	30.3	0.242	0.8	0.019	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726470.6	1072812.8	521.5	0.212	0.124	30.3	0.246	0.8	0.020	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726475.6	1072813.1	521.4	0.215	0.126	30.3	0.249	0.8	0.020	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726480.6	1072813.3	521.3	0.219	0.128	30.3	0.253	0.8	0.020	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.0	0.006
726485.6	1072813.5	521.3	0.222	0.130	30.3	0.257	0.8	0.020	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.007
726490.6	1072813.8	521.2	0.226	0.132	30.3	0.261	0.8	0.021	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.007
726495.6	1072814.0	521.1	0.229	0.134	30.3	0.265	0.8	0.021	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.007
726500.6	1072814.3	521.1	0.233	0.136	30.3	0.270	0.8	0.021	0.002	0.001	19.4	0.002	0.0	0.007	0.002	19.1	0.007
726505.6	1072814.5	521.0	0.237	0.138	30.3	0.274	0.8	0.022	0.002	0.001	19.4	0.002	0.0	0.007	0.002	19.1	0.007
726510.6	1072814.7	521.0	0.241	0.141	30.3	0.279	0.8	0.022	0.002	0.001	19.4	0.003	0.0	0.007	0.002	19.1	0.007
726515.6	1072815.0	521.0	0.245	0.143	30.3	0.283	0.8	0.023	0.002	0.001	19.4	0.003	0.0	0.007	0.002	19.1	0.007
726520.6	1072815.2	520.9	0.249	0.146	30.4	0.288	0.8	0.023	0.003	0.001	19.4	0.003	0.0	0.007	0.002	19.1	0.008
726525.6	1072815.5	520.9	0.253	0.148	30.4	0.293	0.8	0.023	0.003	0.001	19.4	0.003	0.0	0.007	0.003	19.1	0.008
726530.6	1072815.7	520.9	0.257	0.151	30.4	0.298	0.8	0.024	0.003	0.001	19.4	0.003	0.0	0.007	0.003	19.1	0.008
726535.5	1072815.9	520.8	0.262	0.154	30.4	0.304	0.8	0.024	0.003	0.001	19.4	0.003	0.0	0.008	0.003	19.1	0.008
726540.5	1072816.2	520.8	0.266	0.156	30.4	0.309	0.8	0.025	0.003	0.001	19.4	0.003	0.0	0.008	0.003	19.1	0.008
726545.5	1072816.4	520.7	0.271	0.159	30.4	0.314	0.8	0.025	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.1	0.008
726550.5	1072816.6	520.6	0.276	0.162	30.4	0.320	0.8	0.025	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.1	0.009
726555.5	1072816.9	520.5	0.281	0.165	30.4	0.326	0.8	0.026	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.1	0.009
726560.5	1072817.1	520.4	0.286	0.168	30.4	0.332	0.8	0.026	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.1	0.009

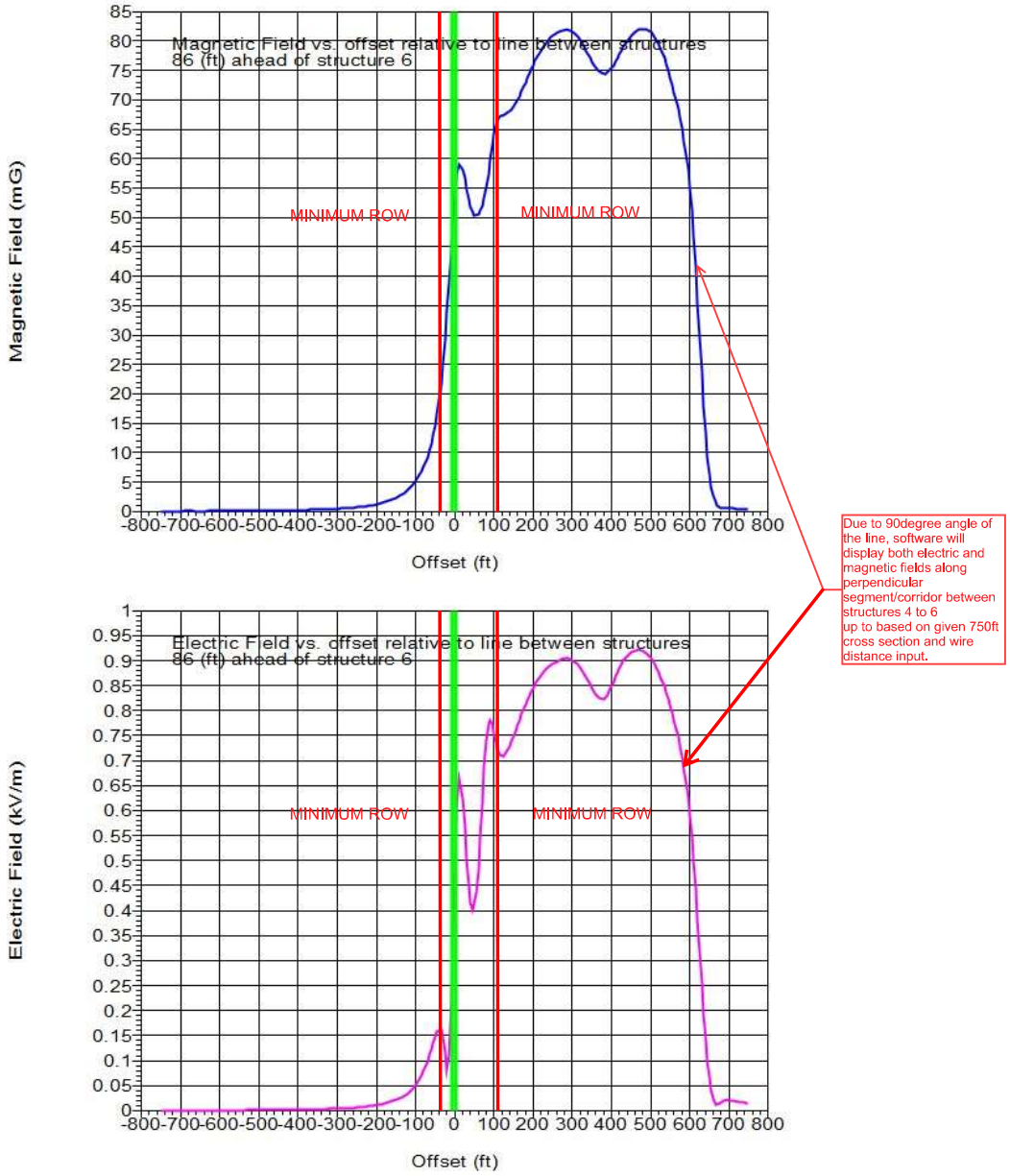
726565.5	1072817.4	520.4	0.292	0.171	30.4	0.338	0.8	0.027	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.1	0.009
726570.5	1072817.6	520.3	0.297	0.175	30.5	0.345	0.8	0.027	0.003	0.001	19.5	0.004	0.0	0.009	0.003	19.1	0.009
726575.5	1072817.8	520.2	0.296	0.174	30.5	0.343	0.9	0.027	0.003	0.001	19.3	0.004	0.0	0.009	0.003	19.0	0.009
726580.5	1072818.1	520.1	0.301	0.177	30.5	0.350	0.9	0.028	0.004	0.001	19.4	0.004	0.0	0.009	0.003	19.0	0.010
726585.5	1072818.3	520.0	0.307	0.181	30.5	0.357	0.9	0.028	0.004	0.001	19.4	0.004	0.0	0.009	0.003	19.0	0.010
726590.5	1072818.6	519.9	0.314	0.185	30.5	0.364	0.9	0.029	0.004	0.001	19.4	0.004	0.0	0.010	0.003	19.0	0.010
726595.5	1072818.8	519.9	0.320	0.189	30.5	0.371	0.9	0.030	0.004	0.001	19.4	0.004	0.0	0.010	0.003	19.0	0.010
726600.5	1072819.0	519.8	0.327	0.193	30.5	0.379	0.9	0.030	0.004	0.001	19.4	0.004	0.0	0.010	0.003	19.0	0.010
726605.5	1072819.3	519.7	0.333	0.197	30.5	0.387	0.9	0.031	0.004	0.001	19.4	0.004	0.0	0.010	0.003	19.0	0.011
726610.5	1072819.5	519.6	0.341	0.201	30.6	0.396	0.9	0.031	0.004	0.001	19.4	0.004	0.0	0.010	0.004	19.0	0.011
726615.5	1072819.7	519.5	0.348	0.206	30.6	0.404	0.9	0.032	0.004	0.002	19.4	0.005	0.0	0.011	0.004	19.0	0.011
726620.4	1072820.0	519.4	0.356	0.210	30.6	0.413	1.0	0.033	0.004	0.002	19.4	0.005	0.0	0.011	0.004	19.0	0.011
726625.4	1072820.2	519.3	0.364	0.215	30.6	0.423	1.0	0.034	0.005	0.002	19.4	0.005	0.0	0.011	0.004	19.0	0.012
726630.4	1072820.5	519.2	0.372	0.220	30.6	0.432	1.0	0.034	0.005	0.002	19.4	0.005	0.0	0.011	0.004	19.1	0.012
726635.4	1072820.7	519.1	0.381	0.225	30.6	0.442	1.0	0.035	0.005	0.002	19.4	0.005	0.0	0.011	0.004	19.1	0.012
726640.4	1072820.9	519.0	0.390	0.231	30.6	0.453	1.0	0.036	0.005	0.002	19.5	0.005	0.0	0.012	0.004	19.1	0.012
726645.4	1072821.2	518.9	0.399	0.236	30.7	0.464	1.1	0.037	0.005	0.002	19.5	0.006	0.0	0.012	0.004	19.1	0.013
726650.4	1072821.4	518.8	0.409	0.242	30.7	0.475	1.1	0.038	0.005	0.002	19.5	0.006	0.0	0.012	0.004	19.1	0.013
726655.4	1072821.7	518.7	0.419	0.249	30.7	0.487	1.1	0.039	0.006	0.002	19.5	0.006	0.1	0.012	0.004	19.1	0.013
726660.4	1072821.9	518.6	0.430	0.255	30.7	0.500	1.1	0.040	0.006	0.002	19.5	0.006	0.1	0.013	0.004	19.1	0.013
726665.4	1072822.1	518.5	0.441	0.262	30.7	0.513	1.2	0.041	0.006	0.002	19.5	0.006	0.1	0.013	0.004	19.1	0.014
726670.4	1072822.4	518.4	0.452	0.269	30.7	0.526	1.2	0.042	0.006	0.002	19.5	0.006	0.1	0.013	0.005	19.1	0.014
726675.4	1072822.6	518.3	0.464	0.276	30.8	0.540	1.2	0.043	0.006	0.002	19.5	0.007	0.1	0.014	0.005	19.1	0.014
726680.4	1072822.8	518.1	0.477	0.284	30.8	0.555	1.3	0.044	0.007	0.002	19.5	0.007	0.1	0.014	0.005	19.2	0.015
726685.4	1072823.1	518.0	0.491	0.292	30.8	0.571	1.3	0.045	0.007	0.002	19.5	0.007	0.1	0.014	0.005	19.2	0.015
726690.4	1072823.3	517.9	0.505	0.301	30.8	0.588	1.4	0.047	0.007	0.002	19.6	0.007	0.1	0.014	0.005	19.2	0.015
726695.4	1072823.6	517.8	0.519	0.310	30.8	0.605	1.4	0.048	0.007	0.003	19.6	0.008	0.1	0.015	0.005	19.2	0.016
726700.4	1072823.8	517.7	0.535	0.320	30.8	0.623	1.4	0.050	0.008	0.003	19.6	0.008	0.1	0.015	0.005	19.2	0.016
726705.4	1072824.0	517.6	0.551	0.330	30.9	0.642	1.5	0.051	0.008	0.003	19.6	0.008	0.1	0.015	0.005	19.2	0.016
726710.3	1072824.3	517.4	0.569	0.340	30.9	0.663	1.5	0.053	0.008	0.003	19.6	0.009	0.1	0.016	0.005	19.2	0.017
726715.3	1072824.5	517.3	0.587	0.351	30.9	0.684	1.6	0.054	0.008	0.003	19.6	0.009	0.1	0.016	0.006	19.3	0.017
726720.3	1072824.8	517.2	0.606	0.363	30.9	0.707	1.7	0.056	0.009	0.003	19.6	0.009	0.1	0.016	0.006	19.3	0.017
726725.3	1072825.0	517.1	0.627	0.376	30.9	0.731	1.7	0.058	0.009	0.003	19.7	0.010	0.1	0.017	0.006	19.3	0.018
726730.3	1072825.2	517.0	0.648	0.389	31.0	0.756	1.8	0.060	0.009	0.003	19.7	0.010	0.1	0.017	0.006	19.3	0.018
726735.3	1072825.5	516.9	0.671	0.403	31.0	0.783	1.8	0.062	0.010	0.004	19.7	0.010	0.1	0.018	0.006	19.3	0.019
726740.3	1072825.7	516.8	0.696	0.418	31.0	0.812	1.9	0.065	0.010	0.004	19.7	0.011	0.1	0.018	0.006	19.4	0.019
726745.3	1072825.9	516.7	0.722	0.434	31.0	0.843	2.0	0.067	0.011	0.004	19.7	0.011	0.1	0.019	0.007	19.4	0.020
726750.3	1072826.2	516.6	0.750	0.451	31.0	0.875	2.1	0.070	0.011	0.004	19.7	0.012	0.1	0.019	0.007	19.4	0.020
726755.3	1072826.4	516.5	0.780	0.470	31.1	0.910	2.1	0.072	0.012	0.004	19.8	0.012	0.1	0.020	0.007	19.4	0.021
726760.3	1072826.7	516.4	0.811	0.489	31.1	0.947	2.2	0.075	0.012	0.004	19.8	0.013	0.1	0.020	0.007	19.4	0.021
726765.3	1072826.9	516.3	0.845	0.510	31.1	0.987	2.3	0.079	0.013	0.005	19.8	0.013	0.1	0.021	0.007	19.5	0.022
726770.3	1072827.1	516.2	0.882	0.533	31.1	1.030	2.4	0.082	0.013	0.005	19.8	0.014	0.1	0.021	0.008	19.5	0.023
726775.3	1072827.4	516.1	0.921	0.557	31.2	1.076	2.5	0.086	0.014	0.005	19.9	0.015	0.1	0.022	0.008	19.5	0.023
726780.3	1072827.6	516.0	0.963	0.583	31.2	1.126	2.6	0.090	0.014	0.005	19.9	0.015	0.1	0.023	0.008	19.6	0.024
726785.3	1072827.8	515.9	1.009	0.611	31.2	1.179	2.7	0.094	0.015	0.005	19.9	0.016	0.1	0.023	0.008	19.6	0.025
726790.3	1072828.1	515.8	1.058	0.641	31.2	1.237	2.8	0.098	0.016	0.006	19.9	0.017	0.1	0.024	0.009	19.6	0.026
726795.2	1072828.3	515.7	1.111	0.674	31.2	1.300	2.9	0.103	0.016	0.006	20.0	0.017	0.1	0.025	0.009	19.7	0.027
726800.2	1072828.6	515.6	1.169	0.710	31.3	1.368	3.0	0.109	0.017	0.006	20.0	0.018	0.1	0.026	0.009	19.7	0.028
726805.2	1072828.8	515.5	1.232	0.748	31.3	1.441	3.1	0.115	0.018	0.007	20.0	0.019	0.1	0.027	0.010	19.7	0.029
726810.2	1072829.0	515.5	1.300	0.790	31.3	1.521	3.2	0.121	0.019	0.007	20.1	0.020	0.1	0.028	0.010	19.8	0.030
726815.2	1072829.3	515.4	1.374	0.836	31.3	1.609	3.4	0.128	0.020	0.007	20.1	0.021	0.1	0.029	0.010	19.8	0.031
726820.2	1072829.5	515.3	1.456	0.887	31.3	1.705	3.5	0.136	0.021	0.008	20.1	0.022	0.1	0.030	0.011	19.9	0.032
726825.2	1072829.8	515.2	1.545	0.942	31.4	1.809	3.6	0.144	0.022	0.008	20.2	0.023	0.1	0.031	0.011	19.9	0.033
726830.2	1072830.0	515.1	1.643	1.002	31.4	1.924	3.8	0.153	0.023	0.008	20.2	0.024	0.1	0.032	0.012	20.0	0.034
726835.2	1072830.2	515.0	1.750	1.069	31.4	2.050	3.9	0.163	0.024	0.009	20.3	0.026	0.1	0.033	0.012	20.0	0.035
726840.2	1072830.5	514.9	1.868	1.142	31.4	2.190	4.1	0.174	0.025	0.009	20.3	0.027	0.1	0.034	0.013	20.1	0.037
726845.2	1072830.7	514.8	1.999	1.223	31.5	2.343	4.2	0.186	0.027	0.010	20.4	0.028	0.1	0.035	0.013	20.1	0.038
726850.2	1072830.9	514.7	2.144	1.313	31.5	2.514	4.4	0.200	0.028	0.010	20.4	0.030	0.1	0.037	0.013	20.2	0.039
726855.2	1072831.2	514.6	2.305	1.413	31.5	2.704	4.5	0.215	0.030	0.011	20.5	0.032	0.1	0.038	0.014	20.3	0.040
726860.2	1072831.4	514.4	2.485	1.525	31.5	2.915	4.7	0.232	0.031	0.012	20.5	0.033	0.1	0.039	0.014	20.3	0.042
726865.2	1072831.7	514.3	2.685	1.651	31.6	3.152	4.9	0.251	0.033	0.012	20.6	0.035	0.1	0.040	0.015	20.4	0.043
726870.2	1072831.9	514.2	2.910	1.792	31.6	3.418	5.1	0.272	0.035	0.013	20.6	0.037	0.1	0.042	0.016	20.5	0.045
726875.2	1072832.1	514.1	3.164	1.951	31.7	3.717	5.3	0.296	0.037	0.014	20.7	0.039	0.1	0.043	0.016	20.6	0.046
726880.2	1072832.4	514.0	3.451	2.132	31.7	4.056	5.5	0.323	0.039	0.015	20.8	0.041	0.1	0.045	0.017	20.6	0.048
726885.1	1072832.6	513.9	3.775	2.337	31.8	4.440	5.7	0.353	0.041	0.015	20.9	0.043	0.1	0.046	0.018	20.7	0.050
726890.1	1072832.9	513.8	4.144	2.571	31.8	4.876	5.9	0.388	0.043	0.016	20.9	0.046	0.1	0.048	0.018	20.8	0.051
726895.1	1072833.1	513.7	4.565	2.839	31.9	5.376	6.1	0.428	0.045	0.017	21.0	0.048	0.1	0.049	0.019	20.9	0.053
726900.1	1072833.3	513.6	5.047	3.148	32.0	5.948	6.4	0.473	0.047	0.018	21.1	0.050	0.1	0.050	0.019	21.0	0.054
726905.1	1072833.6	513.5	5.602	3.507	32.0	6.609	6.6	0.526	0.049	0.019	21.2	0.053	0.1	0.051	0.020	21.0	0.055

726910.1	1072833.8	513.4	6.244	3.923	32.1	7.374	6.9	0.587	0.051	0.020	21.2	0.055	0.1	0.052	0.020	21.1	0.056
726915.1	1072834.0	513.3	6.986	4.410	32.3	8.262	7.2	0.657	0.053	0.020	21.2	0.057	0.1	0.052	0.020	21.1	0.055
726920.1	1072834.3	513.3	7.861	4.988	32.4	9.310	7.5	0.741	0.054	0.021	21.2	0.058	0.1	0.052	0.020	21.0	0.056
726925.1	1072834.5	513.3	8.893	5.677	32.6	10.550	7.8	0.840	0.054	0.021	21.1	0.058	0.3	0.052	0.020	20.9	0.056
726930.1	1072834.8	513.3	10.111	6.499	32.7	12.019	8.1	0.956	0.054	0.020	20.8	0.057	0.6	0.051	0.019	20.4	0.055
726935.1	1072835.0	513.2	11.549	7.485	32.9	13.762	8.4	1.095	0.051	0.019	20.3	0.055	1.3	0.047	0.017	19.5	0.050
726940.1	1072835.2	513.2	13.260	8.678	33.2	15.847	8.8	1.261	0.047	0.016	19.1	0.050	2.8	0.040	0.013	17.4	0.042
726945.1	1072835.5	513.1	15.308	10.133	33.5	18.358	9.1	1.461	0.039	0.012	17.0	0.041	7.1	0.029	0.006	11.3	0.030
726950.1	1072835.7	513.1	17.768	11.919	33.9	21.395	9.4	1.703	0.028	0.009	17.8	0.029	23.5	0.012	-0.005	-21.1	0.013
726955.1	1072836.0	513.0	20.731	14.126	34.3	25.086	9.7	1.996	0.020	0.018	42.5	0.027	48.7	-0.012	-0.021	60.3	0.025
726960.1	1072836.2	513.0	24.305	16.864	34.8	29.582	10.0	2.354	0.039	0.040	45.5	0.056	12.9	-0.048	-0.046	44.3	0.066
726965.1	1072836.4	513.0	28.610	20.269	35.3	35.062	10.1	2.790	0.082	0.075	42.3	0.111	3.7	-0.097	-0.084	40.9	0.128
726970.1	1072836.7	512.9	33.768	24.492	36.0	41.715	10.1	3.320	0.145	0.127	41.2	0.192	0.7	-0.165	-0.139	40.2	0.216
726975.0	1072836.9	512.9	39.876	29.678	36.7	49.708	9.9	3.956	0.230	0.203	41.4	0.307	0.6	-0.253	-0.218	40.6	0.334
726980.0	1072837.1	512.8	46.951	35.902	37.4	59.104	9.3	4.703	0.339	0.308	42.3	0.458	1.3	-0.365	-0.324	41.6	0.488
726985.0	1072837.4	512.8	54.832	43.052	38.1	69.713	8.4	5.548	0.469	0.444	43.5	0.646	1.6	-0.494	-0.459	42.9	0.674
726990.0	1072837.6	512.7	63.043	50.646	38.8	80.867	7.0	6.435	0.607	0.600	44.6	0.854	1.6	-0.627	-0.608	44.1	0.874
726995.0	1072837.9	512.7	70.681	57.685	39.2	91.232	5.2	7.260	0.729	0.744	45.6	1.041	1.4	-0.740	-0.742	45.1	1.048
727000.0	1072838.1	512.6	76.524	62.778	39.4	98.979	3.2	7.877	0.801	0.832	46.1	1.155	1.3	-0.801	-0.818	45.6	1.144
727005.0	1072838.3	512.6	79.678	64.896	39.2	102.762	1.1	8.178	0.800	0.829	46.0	1.152	1.3	-0.797	-0.812	45.5	1.138
727010.0	1072838.6	512.6	79.779	63.714	38.6	102.099	0.9	8.125	0.729	0.737	45.3	1.036	1.6	-0.726	-0.721	44.8	1.023
727015.0	1072838.8	512.6	77.472	60.073	37.8	98.034	2.3	7.801	0.612	0.594	44.1	0.853	1.8	-0.611	-0.582	43.6	0.844
727020.0	1072839.1	512.6	73.896	55.318	36.8	92.307	3.1	7.346	0.483	0.445	42.7	0.657	1.9	-0.486	-0.439	42.1	0.655
727025.0	1072839.3	512.6	70.091	50.604	35.8	86.450	3.3	6.879	0.367	0.320	41.1	0.487	1.8	-0.377	-0.321	40.4	0.495
727030.0	1072839.5	512.6	66.716	46.620	34.9	81.391	2.9	6.477	0.277	0.229	39.6	0.359	1.5	-0.292	-0.235	38.9	0.375
727035.0	1072839.8	512.6	64.194	43.759	34.3	77.690	2.1	6.182	0.218	0.173	38.5	0.278	0.9	-0.236	-0.182	37.7	0.298
727040.0	1072840.0	512.6	62.762	42.211	33.9	75.637	1.0	6.019	0.191	0.150	38.1	0.243	0.2	-0.210	-0.160	37.2	0.264
727045.0	1072840.2	512.6	62.505	42.019	33.9	75.316	0.3	5.993	0.196	0.157	38.7	0.252	1.0	-0.214	-0.166	37.7	0.271
727050.0	1072840.5	512.6	63.359	43.110	34.2	76.634	1.3	6.098	0.232	0.193	39.8	0.302	1.4	-0.247	-0.199	38.8	0.317
727055.0	1072840.7	512.6	65.135	45.307	34.8	79.343	2.1	6.314	0.295	0.257	41.1	0.391	1.5	-0.306	-0.259	40.2	0.401
727059.9	1072841.0	512.6	67.494	48.295	35.6	82.993	2.3	6.604	0.381	0.348	42.4	0.515	1.5	-0.388	-0.345	41.6	0.519
727064.9	1072841.2	512.6	69.919	51.563	36.4	86.876	1.9	6.913	0.481	0.459	43.6	0.665	1.4	-0.484	-0.451	43.0	0.661
727069.9	1072841.4	512.6	71.702	54.375	37.2	89.988	1.0	7.161	0.582	0.575	44.7	0.818	1.3	-0.580	-0.562	44.1	0.807
727074.9	1072841.7	512.6	72.041	55.838	37.8	91.147	0.5	7.253	0.661	0.671	45.4	0.942	1.1	-0.655	-0.652	44.9	0.924
727079.9	1072841.9	512.6	70.283	55.187	38.1	89.361	2.2	7.111	0.696	0.716	45.8	0.999	0.9	-0.688	-0.694	45.3	0.977
727084.9	1072842.2	512.6	66.249	52.169	38.2	84.325	4.0	6.710	0.677	0.694	45.7	0.969	0.9	-0.667	-0.672	45.2	0.947
727089.9	1072842.4	512.5	60.325	47.183	38.0	76.586	5.8	6.094	0.607	0.612	45.3	0.862	1.0	-0.595	-0.589	44.7	0.838
727094.9	1072842.6	512.5	53.391	41.169	37.6	67.420	7.3	5.365	0.506	0.498	44.5	0.710	1.0	-0.494	-0.477	44.0	0.687
727099.9	1072842.9	512.5	46.264	35.004	37.1	58.014	8.6	4.617	0.395	0.378	43.7	0.547	0.9	-0.385	-0.361	43.1	0.528
727104.9	1072843.1	512.5	39.524	29.284	36.5	49.191	9.4	3.914	0.291	0.273	43.1	0.399	0.4	-0.284	-0.259	42.4	0.384
727109.9	1072843.3	512.5	33.481	24.293	36.0	41.366	10.0	3.292	0.202	0.188	43.0	0.276	0.5	-0.198	-0.179	42.1	0.267
727114.9	1072843.6	512.4	28.243	20.096	35.4	34.663	10.3	2.758	0.130	0.125	43.8	0.180	2.0	-0.129	-0.119	42.6	0.176
727119.9	1072843.8	512.4	23.800	16.642	35.0	29.041	10.5	2.311	0.076	0.079	46.4	0.109	5.2	-0.077	-0.076	44.6	0.108
727124.9	1072844.1	512.4	20.082	13.834	34.6	24.386	10.5	1.941	0.036	0.047	52.5	0.060	14.4	-0.039	-0.046	50.2	0.060
727129.9	1072844.3	512.4	17.001	11.564	34.2	20.561	10.4	1.636	0.016	0.025	58.1	0.030	52.0	-0.011	-0.026	67.3	0.028
727134.9	1072844.5	512.4	14.455	9.728	33.9	17.424	10.2	1.387	0.024	0.011	24.7	0.027	42.2	0.009	-0.012	-54.3	0.015
727139.9	1072844.8	512.4	12.358	8.243	33.7	14.855	10.0	1.182	0.037	0.005	8.3	0.037	12.5	0.022	-0.003	-7.6	0.023
727144.9	1072845.0	512.4	10.634	7.037	33.5	12.752	9.8	1.015	0.046	0.009	11.0	0.047	5.1	0.031	0.003	5.6	0.032
727149.8	1072845.2	512.3	9.217	6.056	33.3	11.029	9.5	0.878	0.052	0.013	13.7	0.053	2.6	0.037	0.007	10.6	0.038
727154.8	1072845.5	512.3	8.051	5.253	33.1	9.613	9.2	0.765	0.055	0.015	15.2	0.057	1.4	0.041	0.009	13.0	0.042
727159.8	1072845.7	512.3	7.089	4.592	32.9	8.446	9.0	0.672	0.057	0.017	16.1	0.060	0.9	0.042	0.011	14.3	0.044
727164.8	1072846.0	512.3	6.292	4.045	32.7	7.480	8.7	0.595	0.058	0.017	16.6	0.060	0.6	0.043	0.012	15.0	0.045
727169.8	1072846.2	512.3	5.628	3.588	32.5	6.674	8.5	0.531	0.058	0.018	16.9	0.060	0.5	0.043	0.012	15.4	0.045
727174.8	1072846.4	512.3	5.070	3.204	32.3	5.998	8.3	0.477	0.056	0.017	17.1	0.059	0.4	0.042	0.012	15.6	0.044
727179.8	1072846.7	512.4	4.598	2.878	32.0	5.425	8.1	0.432	0.055	0.017	17.2	0.058	0.3	0.041	0.011	15.7	0.043
727184.8	1072846.9	512.4	4.197	2.600	31.8	4.937	8.0	0.393	0.053	0.017	17.3	0.056	0.3	0.039	0.011	15.7	0.041
727189.8	1072847.2	512.4	3.852	2.360	31.5	4.518	7.9	0.360	0.051	0.016	17.3	0.054	0.3	0.038	0.011	15.6	0.039
727194.8	1072847.4	512.4	3.555	2.153	31.2	4.156	7.9	0.331	0.049	0.015	17.3	0.052	0.3	0.036	0.010	15.5	0.037
727199.8	1072847.6	512.4	3.297	1.972	30.9	3.841	7.9	0.306	0.047	0.015	17.2	0.049	0.3	0.034	0.009	15.4	0.035
727204.8	1072847.9	512.4	3.071	1.814	30.6	3.566	7.9	0.284	0.045	0.014	17.2	0.047	0.3	0.032	0.009	15.3	0.033
727209.8	1072848.1	512.4	2.871	1.674	30.2	3.323	7.9	0.264	0.043	0.013	17.2	0.045	0.3	0.030	0.008	15.2	0.032
727214.8	1072848.3	512.4	2.691	1.549	29.9	3.106	7.9	0.247	0.041	0.013	17.1	0.043	0.3	0.029	0.008	15.1	0.030
727219.8	1072848.6	512.4	2.527	1.437	29.6	2.907	7.9	0.231	0.040	0.012	17.1	0.041	0.3	0.027	0.007	14.9	0.028
727224.8	1072848.8	512.5	2.374	1.334	29.3	2.723	7.8	0.217	0.038	0.012	17.1	0.040	0.3	0.026	0.007	14.8	0.027
727229.8	1072849.1	512.5	2.227	1.239	29.1	2.549	7.8	0.203	0.036	0.011	17.0	0.038	0.2	0.025	0.007	14.7	0.026
727234.7	1072849.3	512.5	2.084	1.149	28.9	2.380	7.8	0.189	0.035	0.011	17.0	0.037	0.2	0.024	0.006	14.6	0.025
727239.7	1072849.5	512.6	1.941	1.063	28.7	2.213	7.7	0.176	0.034	0.010	17.0	0.036	0.2	0.023	0.006	14.5	0.024
727244.7	1072849.8	512.6	1.796	0.978	28.6	2.045	7.7	0.163	0.033	0.010	17.0	0.035	0.2	0.022	0.006	14.4	0.023
727249.7	1072850.0	512.7	1.650	0.896	28.5	1.878	7.8	0.149	0.032	0.010	17.0	0.034	0.2	0.022	0.006	14.4	0.023

727254.7	1072850.3	512.7	1.503	0.816	28.5	1.710	7.8	0.136	0.032	0.010	17.0	0.033	0.2	0.022	0.006	14.4	0.022
727259.7	1072850.5	512.8	1.360	0.739	28.5	1.548	7.9	0.123	0.031	0.010	17.0	0.033	0.2	0.021	0.006	14.5	0.022
727264.7	1072850.7	512.8	1.229	0.670	28.6	1.400	8.0	0.111	0.031	0.010	17.0	0.033	0.2	0.021	0.006	14.5	0.022
727269.7	1072851.0	512.9	1.124	0.614	28.6	1.281	8.0	0.102	0.031	0.010	17.1	0.033	0.2	0.022	0.006	14.6	0.022
727274.7	1072851.2	512.9	1.066	0.580	28.5	1.214	7.8	0.097	0.031	0.010	17.1	0.033	0.2	0.022	0.006	14.7	0.023
727279.7	1072851.4	513.0	1.076	0.575	28.1	1.220	7.2	0.097	0.031	0.010	17.1	0.033	0.1	0.022	0.006	14.8	0.023
727284.7	1072851.7	513.0	1.164	0.606	27.5	1.313	6.4	0.104	0.032	0.010	17.1	0.033	0.1	0.023	0.006	14.9	0.024
727289.7	1072851.9	513.1	1.327	0.672	26.8	1.487	5.4	0.118	0.032	0.010	17.1	0.034	0.1	0.023	0.006	15.0	0.024
727294.7	1072852.2	513.1	1.547	0.766	26.3	1.727	4.5	0.137	0.033	0.010	17.2	0.034	0.1	0.024	0.007	15.2	0.025
727299.7	1072852.4	513.2	1.809	0.880	25.9	2.012	3.7	0.160	0.034	0.010	17.2	0.035	0.1	0.025	0.007	15.3	0.026
727304.7	1072852.6	513.2	2.098	1.009	25.7	2.328	3.0	0.185	0.034	0.011	17.2	0.036	0.1	0.026	0.007	15.4	0.027
727309.7	1072852.9	513.3	2.402	1.145	25.5	2.661	2.6	0.212	0.035	0.011	17.2	0.037	0.1	0.027	0.007	15.5	0.028
727314.7	1072853.1	513.4	2.713	1.285	25.4	3.002	2.2	0.239	0.036	0.011	17.2	0.038	0.1	0.029	0.008	15.6	0.030
727319.7	1072853.4	513.5	3.022	1.425	25.2	3.341	1.9	0.266	0.037	0.011	17.1	0.039	0.1	0.030	0.009	15.7	0.032
727324.6	1072853.6	513.6	3.321	1.560	25.2	3.669	1.7	0.292	0.038	0.012	17.1	0.039	0.1	0.032	0.009	15.8	0.033
727329.6	1072853.8	513.7	3.603	1.688	25.1	3.979	1.6	0.317	0.038	0.012	17.1	0.040	0.1	0.034	0.010	15.9	0.035
727334.6	1072854.1	513.8	3.861	1.806	25.1	4.263	1.5	0.339	0.039	0.012	17.1	0.041	0.1	0.035	0.010	16.0	0.037
727339.6	1072854.3	513.9	4.091	1.911	25.0	4.516	1.4	0.359	0.039	0.012	17.1	0.041	0.1	0.037	0.011	16.0	0.038
727344.6	1072854.5	514.0	4.288	2.001	25.0	4.732	1.4	0.377	0.040	0.012	17.1	0.041	0.1	0.038	0.011	16.1	0.040
727349.6	1072854.8	514.1	4.447	2.075	25.0	4.907	1.3	0.391	0.040	0.012	17.1	0.042	0.1	0.039	0.011	16.2	0.041
727354.6	1072855.0	514.2	4.566	2.130	25.0	5.039	1.3	0.401	0.040	0.012	17.1	0.042	0.1	0.040	0.012	16.2	0.042
727359.6	1072855.3	514.3	4.643	2.167	25.0	5.124	1.3	0.408	0.040	0.012	17.1	0.042	0.1	0.041	0.012	16.2	0.042
727364.6	1072855.5	514.4	4.677	2.184	25.0	5.162	1.3	0.411	0.039	0.012	17.1	0.041	0.1	0.041	0.012	16.3	0.043
727369.6	1072855.7	514.5	4.667	2.182	25.1	5.152	1.3	0.410	0.039	0.012	17.1	0.041	0.1	0.042	0.012	16.3	0.043
727374.6	1072856.0	514.6	4.616	2.160	25.1	5.096	1.3	0.406	0.038	0.012	17.1	0.040	0.1	0.042	0.012	16.3	0.044
727379.6	1072856.2	514.7	4.523	2.121	25.1	4.996	1.3	0.398	0.037	0.012	17.1	0.039	0.1	0.042	0.012	16.4	0.044
727384.6	1072856.5	514.9	4.392	2.063	25.2	4.852	1.3	0.386	0.036	0.011	17.2	0.038	0.1	0.042	0.012	16.4	0.043
727389.6	1072856.7	515.0	4.225	1.990	25.2	4.670	1.3	0.372	0.035	0.011	17.2	0.037	0.1	0.041	0.012	16.5	0.043
727394.6	1072856.9	515.1	4.026	1.902	25.3	4.452	1.3	0.354	0.034	0.011	17.2	0.036	0.1	0.041	0.012	16.5	0.042
727399.6	1072857.2	515.2	3.800	1.801	25.4	4.205	1.3	0.335	0.033	0.010	17.2	0.034	0.1	0.040	0.012	16.5	0.042
727404.6	1072857.4	515.3	3.552	1.690	25.5	3.934	1.4	0.313	0.031	0.010	17.3	0.033	0.1	0.039	0.012	16.5	0.041
727409.5	1072857.6	515.4	3.288	1.572	25.6	3.644	1.4	0.290	0.030	0.009	17.3	0.031	0.1	0.038	0.011	16.6	0.039
727414.5	1072857.9	515.6	3.013	1.448	25.7	3.343	1.5	0.266	0.028	0.009	17.3	0.029	0.0	0.036	0.011	16.6	0.038
727419.5	1072858.1	515.7	2.733	1.321	25.8	3.036	1.6	0.242	0.026	0.008	17.4	0.028	0.0	0.035	0.010	16.6	0.037
727424.5	1072858.4	515.8	2.455	1.193	25.9	2.729	1.7	0.217	0.025	0.008	17.4	0.026	0.0	0.033	0.010	16.6	0.035
727429.5	1072858.6	515.9	2.182	1.067	26.1	2.429	1.8	0.193	0.023	0.007	17.4	0.024	0.0	0.032	0.009	16.6	0.033
727434.5	1072858.8	516.0	1.920	0.945	26.2	2.140	1.9	0.170	0.021	0.007	17.5	0.022	0.0	0.030	0.009	16.6	0.032
727439.5	1072859.1	516.1	1.673	0.829	26.4	1.867	2.1	0.149	0.020	0.006	17.5	0.021	0.0	0.029	0.009	16.5	0.030
727444.5	1072859.3	516.2	1.444	0.719	26.5	1.613	2.3	0.128	0.018	0.006	17.5	0.019	0.0	0.027	0.008	16.5	0.028
727449.5	1072859.5	516.3	1.235	0.619	26.6	1.382	2.5	0.110	0.017	0.005	17.5	0.018	0.0	0.025	0.007	16.4	0.027
727454.5	1072859.8	516.5	1.051	0.528	26.7	1.176	2.8	0.094	0.016	0.005	17.4	0.016	0.0	0.024	0.007	16.3	0.025
727459.5	1072860.0	516.6	0.892	0.449	26.7	0.998	3.1	0.079	0.015	0.005	17.4	0.015	0.1	0.023	0.007	16.3	0.023
727464.5	1072860.3	516.7	0.761	0.382	26.6	0.851	3.4	0.068	0.013	0.004	17.4	0.014	0.1	0.021	0.006	16.2	0.022
727469.5	1072860.5	516.8	0.658	0.328	26.5	0.735	3.5	0.059	0.012	0.004	17.3	0.013	0.1	0.020	0.006	16.0	0.021
727474.5	1072860.7	517.0	0.586	0.289	26.3	0.653	3.5	0.052	0.011	0.004	17.2	0.012	0.1	0.019	0.005	15.9	0.019
727479.5	1072861.0	517.1	0.541	0.264	26.0	0.602	3.1	0.048	0.011	0.003	17.1	0.011	0.1	0.018	0.005	15.7	0.018
727484.5	1072861.2	517.2	0.520	0.253	25.9	0.578	2.6	0.046	0.010	0.003	17.0	0.010	0.2	0.017	0.005	15.6	0.017
727489.5	1072861.5	517.3	0.517	0.251	25.9	0.575	2.0	0.046	0.009	0.003	16.9	0.009	0.2	0.016	0.004	15.4	0.016
727494.5	1072861.7	517.5	0.525	0.257	26.1	0.584	1.4	0.046	0.008	0.003	16.8	0.009	0.2	0.015	0.004	15.2	0.015
727499.4	1072861.9	517.6	0.539	0.266	26.3	0.601	1.0	0.048	0.008	0.002	16.7	0.008	0.3	0.014	0.004	15.1	0.014
727504.4	1072862.2	517.7	0.555	0.277	26.5	0.620	0.7	0.049	0.007	0.002	16.6	0.008	0.3	0.013	0.004	14.9	0.014
727509.4	1072862.4	517.8	0.571	0.288	26.8	0.639	0.6	0.051	0.007	0.002	16.4	0.007	0.3	0.013	0.003	14.7	0.013
727514.4	1072862.6	518.0	0.585	0.298	27.0	0.657	0.5	0.052	0.006	0.002	16.3	0.007	0.3	0.012	0.003	14.5	0.012
727519.4	1072862.9	518.1	0.597	0.307	27.2	0.671	0.5	0.053	0.006	0.002	16.2	0.006	0.4	0.011	0.003	14.3	0.012
727524.4	1072863.1	518.2	0.606	0.315	27.4	0.683	0.5	0.054	0.006	0.002	16.0	0.006	0.4	0.011	0.003	14.2	0.011
727529.4	1072863.4	518.4	0.613	0.321	27.6	0.692	0.5	0.055	0.005	0.001	15.9	0.005	0.4	0.010	0.003	14.0	0.011
727534.4	1072863.6	518.5	0.617	0.325	27.8	0.697	0.5	0.056	0.005	0.001	15.8	0.005	0.4	0.010	0.002	13.9	0.010
727539.4	1072863.8	518.6	0.619	0.328	27.9	0.701	0.5	0.056	0.005	0.001	15.7	0.005	0.5	0.010	0.002	13.7	0.010
727544.4	1072864.1	518.7	0.619	0.330	28.1	0.701	0.5	0.056	0.004	0.001	15.6	0.005	0.5	0.009	0.002	13.6	0.009
727549.4	1072864.3	518.9	0.617	0.331	28.2	0.700	0.5	0.056	0.004	0.001	15.5	0.004	0.5	0.009	0.002	13.5	0.009
727554.4	1072864.6	519.0	0.613	0.330	28.3	0.697	0.5	0.055	0.004	0.001	15.4	0.004	0.5	0.009	0.002	13.4	0.009
727559.4	1072864.8	519.1	0.608	0.329	28.4	0.692	0.5	0.055	0.004	0.001	15.3	0.004	0.5	0.008	0.002	13.3	0.008
727564.4	1072865.0	519.3	0.602	0.327	28.5	0.686	0.5	0.055	0.004	0.001	15.2	0.004	0.6	0.008	0.002	13.2	0.008
727569.4	1072865.3	519.4	0.595	0.325	28.6	0.678	0.5	0.054	0.003	0.001	15.1	0.004	0.6	0.008	0.002	13.1	0.008
727574.4	1072865.5	519.5	0.588	0.322	28.7	0.670	0.5	0.053	0.003	0.001	15.1	0.003	0.6	0.007	0.002	13.0	0.008
727579.4	1072865.7	519.6	0.580	0.318	28.8	0.661	0.5	0.053	0.003	0.001	15.0	0.003	0.6	0.007	0.002	13.0	0.007
727584.4	1072866.0	519.8	0.571	0.314	28.8	0.652	0.6	0.052	0.003	0.001	15.0	0.003	0.6	0.007	0.002	12.9	0.007
727589.3	1072866.2	519.9	0.562	0.310	28.9	0.642	0.6	0.051	0.003	0.001	14.9	0.003	0.6	0.007	0.002	12.9	0.007
727594.3	1072866.5	520.0	0.552	0.306	29.0	0.631	0.6	0.050	0.003	0.001	14.9	0.003	0.6	0.007	0.002	12.9	0.007

727599.3	1072866.7	520.1	0.543	0.301	29.0	0.621	0.6	0.049	0.003	0.001	14.9	0.003	0.6	0.007	0.001	12.9	0.007
727604.3	1072866.9	520.2	0.533	0.297	29.1	0.610	0.6	0.049	0.003	0.001	14.8	0.003	0.6	0.006	0.001	12.9	0.007
727609.3	1072867.2	520.4	0.523	0.292	29.1	0.599	0.6	0.048	0.002	0.001	14.8	0.003	0.6	0.006	0.001	12.9	0.006
727614.3	1072867.4	520.5	0.513	0.287	29.2	0.588	0.6	0.047	0.002	0.001	14.8	0.002	0.6	0.006	0.001	12.9	0.006
727619.3	1072867.7	520.6	0.504	0.282	29.2	0.577	0.6	0.046	0.002	0.001	14.8	0.002	0.6	0.006	0.001	12.9	0.006
727624.3	1072867.9	520.7	0.494	0.277	29.3	0.566	0.6	0.045	0.002	0.001	14.8	0.002	0.6	0.006	0.001	12.9	0.006
727629.3	1072868.1	520.8	0.484	0.272	29.3	0.556	0.6	0.044	0.002	0.001	14.8	0.002	0.6	0.006	0.001	12.9	0.006
727634.3	1072868.4	521.0	0.475	0.267	29.4	0.545	0.6	0.043	0.002	0.001	14.8	0.002	0.6	0.006	0.001	13.0	0.006
727639.3	1072868.6	521.1	0.466	0.262	29.4	0.534	0.6	0.043	0.002	0.001	14.8	0.002	0.6	0.006	0.001	13.0	0.006
727644.3	1072868.8	521.2	0.456	0.257	29.4	0.524	0.6	0.042	0.002	0.001	14.8	0.002	0.6	0.005	0.001	13.0	0.006
727649.3	1072869.1	521.3	0.447	0.253	29.5	0.514	0.6	0.041	0.002	0.001	14.8	0.002	0.6	0.005	0.001	13.0	0.005
727654.3	1072869.3	521.3	0.439	0.248	29.5	0.504	0.6	0.040	0.002	0.000	14.9	0.002	0.6	0.005	0.001	13.1	0.005
727659.3	1072869.6	521.4	0.430	0.243	29.5	0.494	0.6	0.039	0.002	0.000	14.9	0.002	0.5	0.005	0.001	13.1	0.005
727664.3	1072869.8	521.4	0.421	0.239	29.5	0.484	0.6	0.039	0.002	0.000	14.9	0.002	0.5	0.005	0.001	13.1	0.005
727669.3	1072870.0	521.5	0.413	0.234	29.6	0.475	0.6	0.038	0.002	0.000	14.9	0.002	0.5	0.005	0.001	13.2	0.005
727674.2	1072870.3	521.5	0.405	0.230	29.6	0.466	0.7	0.037	0.002	0.000	14.9	0.002	0.5	0.005	0.001	13.2	0.005
727679.2	1072870.5	521.6	0.397	0.226	29.6	0.457	0.7	0.036	0.002	0.000	15.0	0.002	0.5	0.005	0.001	13.2	0.005
727684.2	1072870.8	521.6	0.389	0.221	29.6	0.448	0.7	0.036	0.002	0.000	15.0	0.002	0.5	0.005	0.001	13.3	0.005
727689.2	1072871.0	521.7	0.382	0.217	29.6	0.439	0.7	0.035	0.002	0.000	15.0	0.002	0.5	0.004	0.001	13.3	0.005
727694.2	1072871.2	521.7	0.374	0.213	29.7	0.431	0.7	0.034	0.001	0.000	15.1	0.002	0.5	0.004	0.001	13.4	0.004
727699.2	1072871.5	521.8	0.367	0.209	29.7	0.423	0.7	0.034	0.001	0.000	15.1	0.002	0.5	0.004	0.001	13.4	0.004
727704.2	1072871.7	521.8	0.360	0.205	29.7	0.415	0.7	0.033	0.001	0.000	15.1	0.001	0.5	0.004	0.001	13.5	0.004
727709.2	1072871.9	521.9	0.353	0.202	29.7	0.407	0.7	0.032	0.001	0.000	15.1	0.001	0.5	0.004	0.001	13.5	0.004
727714.2	1072872.2	521.9	0.347	0.198	29.7	0.399	0.7	0.032	0.001	0.000	15.2	0.001	0.4	0.004	0.001	13.5	0.004
727719.2	1072872.4	522.0	0.340	0.194	29.7	0.392	0.7	0.031	0.001	0.000	15.2	0.001	0.4	0.004	0.001	13.6	0.004
727724.2	1072872.7	522.0	0.334	0.191	29.7	0.385	0.7	0.031	0.001	0.000	15.2	0.001	0.4	0.004	0.001	13.6	0.004
727729.2	1072872.9	522.1	0.328	0.187	29.8	0.378	0.7	0.030	0.001	0.000	15.3	0.001	0.4	0.004	0.001	13.7	0.004
727734.2	1072873.1	522.1	0.325	0.185	29.7	0.374	0.7	0.030	0.001	0.000	14.6	0.001	0.4	0.003	0.001	13.2	0.004
727739.2	1072873.4	522.2	0.319	0.182	29.8	0.367	0.7	0.029	0.001	0.000	14.6	0.001	0.4	0.003	0.001	13.3	0.004
727744.2	1072873.6	522.2	0.313	0.179	29.8	0.360	0.7	0.029	0.001	0.000	14.6	0.001	0.4	0.003	0.001	13.3	0.003
727749.2	1072873.9	522.3	0.307	0.176	29.8	0.354	0.7	0.028	0.001	0.000	14.6	0.001	0.4	0.003	0.001	13.4	0.003
727754.2	1072874.1	522.3	0.310	0.177	29.7	0.358	0.8	0.028	0.001	0.000	12.0	0.001	0.6	0.002	0.000	9.2	0.002

Mid-span cross section results between structures 6 and 7


Magnetic Field vs. offset relative to line between structures
86 (ft) ahead of structure 6
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
Offset (ft)
Electric Field vs. offset relative to line between structures
86 (ft) ahead of structure 6
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
Offset (ft)
Due to 90degree angle of the line, software will display both electric and magnetic fields along perpendicular segment/corridor between structures 4 to 6 up to based on given 750ft cross section and wire distance input.

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 1073782.7-1073777.7= 5ft in Y direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 6 to 7:

Measurement			B					H						Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
727046.3	1073782.7	509.0	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	0.000	-nan(ind)	0.000	-nan(ind)	0.000	0.000	-nan(ind)	0.000
727046.6	1073777.7	509.0	0.057	0.035	31.9	0.067	1.5	0.005	0.000	0.000	17.8	0.000	0.0	0.000	-0.000	-11.7	0.000
727046.8	1073772.7	509.0	0.057	0.036	31.9	0.067	1.5	0.005	0.000	0.000	17.8	0.000	0.0	0.000	0.000	2.3	0.000
727047.0	1073767.7	509.1	0.058	0.036	31.9	0.068	1.6	0.005	0.000	0.000	17.8	0.000	0.0	0.000	0.000	7.4	0.000
727047.3	1073762.7	509.1	0.059	0.036	31.9	0.069	1.6	0.006	0.000	0.000	17.8	0.000	0.0	0.000	0.000	9.9	0.000
727047.5	1073757.7	509.2	0.059	0.037	31.9	0.070	1.6	0.006	0.000	0.000	17.8	0.000	0.0	0.000	0.000	11.3	0.000
727047.7	1073752.7	509.2	0.060	0.037	31.9	0.071	1.6	0.006	0.000	0.000	17.8	0.000	0.0	0.000	0.000	12.3	0.000
727048.0	1073747.7	509.3	0.061	0.038	31.9	0.072	1.6	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	13.0	0.000
727048.2	1073742.7	509.3	0.062	0.038	31.9	0.073	1.6	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	13.5	0.000
727048.5	1073737.7	509.3	0.063	0.039	31.9	0.074	1.6	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	13.9	0.000
727048.7	1073732.7	509.4	0.063	0.039	31.9	0.075	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	14.3	0.000
727048.9	1073727.7	509.4	0.064	0.040	31.8	0.076	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	14.5	0.000
727049.2	1073722.7	509.5	0.065	0.040	31.8	0.077	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	14.7	0.000
727049.4	1073717.8	509.5	0.066	0.041	31.8	0.078	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	14.9	0.000
727049.6	1073712.8	509.6	0.067	0.042	31.8	0.079	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	15.1	0.000
727049.9	1073707.8	509.6	0.068	0.042	31.8	0.080	1.7	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	15.2	0.000
727050.1	1073702.8	509.6	0.069	0.043	31.8	0.081	1.8	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	15.3	0.000
727050.4	1073697.8	509.7	0.042	0.024	29.8	0.049	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.1	0.000
727050.6	1073692.8	509.7	0.043	0.025	29.8	0.050	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.3	0.000
727050.8	1073687.8	509.7	0.044	0.025	29.8	0.051	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.5	0.000
727051.1	1073682.8	509.7	0.045	0.026	29.8	0.052	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.7	0.000
727051.3	1073677.8	509.7	0.046	0.026	29.8	0.053	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.8	0.000
727051.5	1073672.8	509.7	0.047	0.027	29.8	0.054	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.8	0.000
727051.8	1073667.8	509.7	0.048	0.028	29.8	0.056	0.4	0.004	0.001	0.000	16.8	0.001	0.0	0.000	0.000	12.9	0.000
727052.0	1073662.8	509.7	0.066	0.038	30.0	0.076	0.3	0.006	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.0	0.000
727052.3	1073657.8	509.7	0.068	0.039	30.0	0.078	0.3	0.006	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.1	0.000
727052.5	1073652.8	509.7	0.069	0.040	30.0	0.080	0.3	0.006	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.1	0.000
727052.7	1073647.8	509.7	0.071	0.041	30.0	0.081	0.3	0.006	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.1	0.000
727053.0	1073642.8	509.7	0.072	0.042	30.0	0.083	0.3	0.007	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.2	0.000
727053.2	1073637.8	509.8	0.074	0.042	30.0	0.085	0.3	0.007	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.4	0.000
727053.4	1073632.8	509.8	0.075	0.043	30.0	0.087	0.3	0.007	0.001	0.000	15.4	0.001	0.0	0.000	0.000	12.6	0.000
727053.7	1073627.9	509.8	0.077	0.044	30.0	0.089	0.3	0.007	0.001	0.000	15.3	0.001	0.0	0.000	0.000	12.7	0.000
727053.9	1073622.9	509.9	0.079	0.045	29.9	0.091	0.3	0.007	0.001	0.000	15.3	0.001	0.0	0.000	0.000	12.9	0.000
727054.2	1073617.9	509.9	0.080	0.046	29.9	0.093	0.3	0.007	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.0	0.000
727054.4	1073612.9	510.0	0.082	0.047	29.9	0.095	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.1	0.000
727054.6	1073607.9	510.0	0.084	0.048	29.9	0.097	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.2	0.000
727054.9	1073602.9	510.0	0.086	0.049	29.9	0.099	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.3	0.000
727055.1	1073597.9	510.1	0.088	0.051	29.9	0.101	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.4	0.000
727055.3	1073592.9	510.1	0.090	0.052	29.9	0.104	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.5	0.000
727055.6	1073587.9	510.1	0.092	0.053	29.9	0.106	0.3	0.008	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.6	0.000
727055.8	1073582.9	510.2	0.094	0.054	29.9	0.109	0.3	0.009	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.6	0.000
727056.1	1073577.9	510.2	0.096	0.055	29.9	0.111	0.3	0.009	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.7	0.000
727056.3	1073572.9	510.2	0.099	0.057	29.9	0.114	0.3	0.009	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.7	0.000
727056.5	1073567.9	510.3	0.101	0.058	29.9	0.117	0.3	0.009	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.8	0.000
727056.8	1073562.9	510.3	0.104	0.060	29.9	0.119	0.3	0.010	0.001	0.000	15.3	0.001	0.0	0.000	0.000	13.8	0.000
727057.0	1073557.9	510.3	0.106	0.061	29.9	0.122	0.3	0.010	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.9	0.000
727057.2	1073552.9	510.3	0.109	0.062	29.9	0.125	0.3	0.010	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.9	0.000
727057.5	1073547.9	510.4	0.111	0.064	29.9	0.128	0.3	0.010	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.9	0.000
727057.7	1073543.0	510.4	0.114	0.066	29.9	0.132	0.3	0.010	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.9	0.000
727057.9	1073538.0	510.4	0.117	0.067	29.9	0.135	0.3	0.011	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.0	0.000
727058.2	1073533.0	510.4	0.120	0.069	29.9	0.138	0.4	0.011	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.0	0.000
727058.4	1073528.0	510.4	0.123	0.071	29.9	0.142	0.4	0.011	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.0	0.000
727058.7	1073523.0	510.4	0.126	0.073	29.9	0.146	0.4	0.012	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.0	0.000
727058.9	1073518.0	510.5	0.130	0.074	29.8	0.150	0.4	0.012	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.0	0.000
727059.1	1073513.0	510.5	0.133	0.076	29.8	0.154	0.4	0.012	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.1	0.000
727059.4	1073508.0	510.5	0.137	0.078	29.8	0.158	0.4	0.013	0.001	0.000	15.2	0.001	0.0	0.000	0.000	14.1	0.001
727059.6	1073503.0	510.5	0.140	0.081	29.8	0.162	0.4	0.013	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.1	0.001
727059.8	1073498.0	510.5	0.144	0.083	29.8	0.166	0.4	0.013	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.1	0.001
727060.1	1073493.0	510.5	0.148	0.085	29.8	0.171	0.4	0.014	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.1	0.001
727060.3	1073488.0	510.6	0.152	0.087	29.8	0.176	0.4	0.014	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.1	0.001
727060.6	1073483.0	510.6	0.157	0.090	29.8	0.180	0.4	0.014	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.2	0.001
727060.8	1073478.0	510.6	0.161	0.092	29.8	0.186	0.4	0.015	0.001	0.000	15.2	0.001	0.0	0.001	0.000	14.2	0.001

727061.0	1073473.0	510.6	0.166	0.095	29.8	0.191	0.4	0.015	0.001	0.000	15.1	0.001	0.0	0.001	0.000	14.2	0.001
727061.3	1073468.0	510.6	0.170	0.098	29.8	0.196	0.4	0.016	0.001	0.000	15.1	0.002	0.0	0.001	0.000	14.2	0.001
727061.5	1073463.0	510.7	0.175	0.100	29.8	0.202	0.4	0.016	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.2	0.001
727061.7	1073458.0	510.7	0.181	0.103	29.8	0.208	0.4	0.017	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.2	0.001
727062.0	1073453.1	510.7	0.186	0.106	29.8	0.214	0.4	0.017	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.2	0.001
727062.2	1073448.1	510.7	0.192	0.110	29.7	0.221	0.4	0.018	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727062.5	1073443.1	510.7	0.198	0.113	29.7	0.227	0.4	0.018	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727062.7	1073438.1	510.8	0.204	0.116	29.7	0.234	0.4	0.019	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727062.9	1073433.1	510.8	0.210	0.120	29.7	0.242	0.4	0.019	0.002	0.000	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727063.2	1073428.1	510.8	0.217	0.124	29.7	0.249	0.4	0.020	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727063.4	1073423.1	510.8	0.224	0.127	29.7	0.257	0.4	0.020	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727063.6	1073418.1	510.8	0.231	0.132	29.7	0.266	0.4	0.021	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.3	0.001
727063.9	1073413.1	510.9	0.238	0.136	29.7	0.274	0.4	0.022	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.4	0.001
727064.1	1073408.1	510.9	0.246	0.140	29.7	0.283	0.4	0.023	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.4	0.001
727064.4	1073403.1	510.9	0.255	0.145	29.6	0.293	0.4	0.023	0.002	0.001	15.1	0.002	0.0	0.001	0.000	14.4	0.001
727064.6	1073398.1	510.9	0.265	0.150	29.6	0.304	0.7	0.024	0.002	0.001	15.4	0.002	0.1	0.001	0.000	12.9	0.001
727064.8	1073393.1	510.9	0.273	0.155	29.6	0.314	0.7	0.025	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.1	0.001
727065.1	1073388.1	510.9	0.283	0.161	29.6	0.325	0.7	0.026	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.3	0.001
727065.3	1073383.1	511.0	0.293	0.166	29.6	0.337	0.7	0.027	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.5	0.001
727065.5	1073378.1	511.0	0.303	0.172	29.6	0.349	0.7	0.028	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.6	0.001
727065.8	1073373.1	511.0	0.314	0.178	29.6	0.361	0.7	0.029	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.8	0.001
727066.0	1073368.1	511.0	0.326	0.185	29.6	0.374	0.7	0.030	0.003	0.001	15.6	0.003	0.1	0.001	0.000	11.9	0.001
727066.3	1073363.2	511.0	0.338	0.191	29.5	0.388	0.7	0.031	0.003	0.001	15.6	0.003	0.1	0.001	0.000	12.1	0.001
727066.5	1073358.2	511.1	0.350	0.198	29.5	0.403	0.7	0.032	0.003	0.001	15.6	0.003	0.1	0.001	0.000	12.3	0.001
727066.7	1073353.2	511.1	0.364	0.206	29.5	0.418	0.7	0.033	0.003	0.001	15.6	0.004	0.1	0.002	0.000	12.4	0.002
727067.0	1073348.2	511.2	0.378	0.214	29.5	0.434	0.6	0.035	0.004	0.001	15.6	0.004	0.1	0.002	0.000	12.6	0.002
727067.2	1073343.2	511.2	0.393	0.222	29.5	0.451	0.6	0.036	0.004	0.001	15.5	0.004	0.1	0.002	0.000	12.7	0.002
727067.4	1073338.2	511.3	0.409	0.231	29.5	0.469	0.6	0.037	0.004	0.001	15.5	0.004	0.1	0.002	0.000	12.8	0.002
727067.7	1073333.2	511.3	0.425	0.240	29.4	0.488	0.6	0.039	0.004	0.001	15.5	0.004	0.1	0.002	0.000	12.9	0.002
727067.9	1073328.2	511.3	0.443	0.250	29.4	0.508	0.6	0.040	0.004	0.001	15.5	0.004	0.1	0.002	0.001	13.0	0.002
727068.1	1073323.2	511.3	0.461	0.260	29.4	0.530	0.6	0.042	0.004	0.001	15.5	0.005	0.1	0.002	0.001	13.1	0.002
727068.4	1073318.2	511.3	0.481	0.271	29.4	0.552	0.6	0.044	0.005	0.001	15.5	0.005	0.1	0.002	0.001	13.1	0.003
727068.6	1073313.2	511.3	0.502	0.282	29.4	0.576	0.6	0.046	0.005	0.001	15.5	0.005	0.1	0.003	0.001	13.2	0.003
727068.9	1073308.2	511.3	0.524	0.294	29.3	0.601	0.6	0.048	0.005	0.001	15.5	0.005	0.1	0.003	0.001	13.3	0.003
727069.1	1073303.2	511.3	0.547	0.307	29.3	0.627	0.6	0.050	0.005	0.001	15.5	0.005	0.1	0.003	0.001	13.3	0.003
727069.3	1073298.2	511.3	0.572	0.321	29.3	0.656	0.6	0.052	0.005	0.001	15.5	0.006	0.1	0.003	0.001	13.4	0.003
727069.6	1073293.2	511.3	0.598	0.335	29.3	0.686	0.6	0.055	0.006	0.002	15.5	0.006	0.1	0.003	0.001	13.4	0.003
727069.8	1073288.2	511.3	0.627	0.351	29.3	0.718	0.6	0.057	0.006	0.002	15.5	0.006	0.1	0.003	0.001	13.5	0.003
727070.0	1073283.2	511.3	0.657	0.367	29.2	0.752	0.6	0.060	0.006	0.002	15.5	0.006	0.1	0.004	0.001	13.6	0.004
727070.3	1073278.2	511.3	0.689	0.385	29.2	0.789	0.6	0.063	0.006	0.002	15.5	0.007	0.1	0.004	0.001	13.6	0.004
727070.5	1073273.3	511.3	0.723	0.404	29.2	0.828	0.6	0.066	0.007	0.002	15.5	0.007	0.1	0.004	0.001	13.7	0.004
727070.8	1073268.3	511.3	0.759	0.424	29.2	0.869	0.6	0.069	0.007	0.002	15.5	0.007	0.1	0.004	0.001	13.7	0.004
727071.0	1073263.3	511.3	0.798	0.445	29.1	0.914	0.6	0.073	0.008	0.002	15.5	0.008	0.1	0.005	0.001	13.8	0.005
727071.2	1073258.3	511.3	0.840	0.468	29.1	0.962	0.6	0.077	0.008	0.002	15.5	0.008	0.1	0.005	0.001	13.9	0.005
727071.5	1073253.3	511.3	0.885	0.492	29.1	1.013	0.6	0.081	0.008	0.002	15.5	0.009	0.1	0.005	0.001	13.9	0.005
727071.7	1073248.3	511.3	0.934	0.519	29.0	1.068	0.6	0.085	0.009	0.002	15.5	0.009	0.1	0.006	0.001	14.0	0.006
727071.9	1073243.3	511.3	0.986	0.547	29.0	1.127	0.6	0.090	0.009	0.003	15.5	0.010	0.1	0.006	0.001	14.0	0.006
727072.2	1073238.3	511.3	1.042	0.577	29.0	1.191	0.7	0.095	0.010	0.003	15.5	0.010	0.1	0.006	0.002	14.1	0.007
727072.4	1073233.3	511.3	1.102	0.610	29.0	1.260	0.7	0.100	0.010	0.003	15.5	0.011	0.1	0.007	0.002	14.1	0.007
727072.7	1073228.3	511.3	1.168	0.645	28.9	1.334	0.7	0.106	0.011	0.003	15.5	0.012	0.1	0.007	0.002	14.2	0.008
727072.9	1073223.3	511.3	1.238	0.683	28.9	1.414	0.7	0.113	0.012	0.003	15.5	0.012	0.1	0.008	0.002	14.3	0.008
727073.1	1073218.3	511.3	1.315	0.725	28.9	1.502	0.8	0.119	0.013	0.004	15.5	0.013	0.1	0.008	0.002	14.3	0.009
727073.4	1073213.3	511.3	1.398	0.770	28.8	1.596	0.8	0.127	0.013	0.004	15.5	0.014	0.1	0.009	0.002	14.4	0.009
727073.6	1073208.3	511.3	1.489	0.818	28.8	1.699	0.8	0.135	0.014	0.004	15.5	0.015	0.1	0.010	0.003	14.4	0.010
727073.8	1073203.3	511.3	1.587	0.871	28.8	1.811	0.9	0.144	0.015	0.004	15.6	0.016	0.1	0.011	0.003	14.5	0.011
727074.1	1073198.3	511.3	1.694	0.929	28.7	1.932	0.9	0.154	0.017	0.005	15.6	0.017	0.1	0.012	0.003	14.5	0.012
727074.3	1073193.3	511.3	1.812	0.992	28.7	2.065	0.9	0.164	0.018	0.005	15.6	0.018	0.1	0.013	0.003	14.6	0.013
727074.6	1073188.4	511.3	1.940	1.060	28.7	2.211	1.0	0.176	0.019	0.005	15.6	0.020	0.1	0.014	0.004	14.6	0.014
727074.8	1073183.4	511.3	2.080	1.136	28.6	2.370	1.1	0.189	0.021	0.006	15.6	0.021	0.1	0.015	0.004	14.7	0.016
727075.0	1073178.4	511.3	2.234	1.218	28.6	2.545	1.1	0.202	0.022	0.006	15.6	0.023	0.1	0.016	0.004	14.7	0.017
727075.3	1073173.4	511.3	2.403	1.309	28.6	2.737	1.2	0.218	0.024	0.007	15.6	0.025	0.1	0.018	0.005	14.8	0.019
727075.5	1073168.4	511.4	2.590	1.409	28.5	2.948	1.3	0.235	0.026	0.007	15.6	0.027	0.1	0.020	0.005	14.8	0.020
727075.7	1073163.4	511.4	2.796	1.519	28.5	3.181	1.3	0.253	0.029	0.008	15.6	0.030	0.0	0.022	0.006	14.9	0.022
727076.0	1073158.4	511.4	3.023	1.640	28.5	3.439	1.4	0.274	0.031	0.009	15.6	0.032	0.0	0.024	0.006	14.9	0.025
727076.2	1073153.4	511.4	3.275	1.775	28.5	3.725	1.5	0.296	0.034	0.010	15.7	0.035	0.0	0.026	0.007	14.9	0.027
727076.4	1073148.4	511.4	3.555	1.925	28.4	4.042	1.7	0.322	0.037	0.011	15.7	0.039	0.0	0.029	0.008	15.0	0.030
727076.7	1073143.4	511.4	3.866	2.092	28.4	4.395	1.8	0.350	0.041	0.012	15.7	0.043	0.0	0.033	0.009	15.0	0.034
727076.9	1073138.4	511.4	4.212	2.278	28.4	4.789	1.9	0.381	0.045	0.013	15.7	0.047	0.0	0.036	0.010	15.0	0.038
727077.2	1073133.4	511.4	4.600	2.487	28.4	5.229	2.1	0.416	0.050	0.014	15.7	0.052	0.0	0.041	0.011	15.1	0.042

727077.4	1073128.4	511.4	5.034	2.722	28.4	5.722	2.3	0.455	0.056	0.016	15.7	0.058	0.0	0.046	0.012	15.1	0.047
727077.6	1073123.4	511.4	5.521	2.987	28.4	6.277	2.5	0.500	0.062	0.017	15.7	0.064	0.0	0.051	0.014	15.1	0.053
727077.9	1073118.4	511.4	6.070	3.286	28.4	6.902	2.7	0.549	0.069	0.019	15.7	0.072	0.0	0.057	0.016	15.1	0.059
727078.1	1073113.4	511.4	6.690	3.627	28.5	7.610	3.0	0.606	0.077	0.022	15.7	0.080	0.0	0.064	0.017	15.1	0.067
727078.3	1073108.4	511.4	7.394	4.016	28.5	8.414	3.3	0.670	0.086	0.024	15.7	0.089	0.1	0.072	0.019	15.2	0.075
727078.6	1073103.4	511.4	8.197	4.464	28.6	9.333	3.6	0.743	0.096	0.027	15.7	0.100	0.1	0.081	0.022	15.1	0.083
727078.8	1073098.5	511.4	9.117	4.983	28.7	10.390	4.0	0.827	0.107	0.030	15.7	0.111	0.1	0.090	0.024	15.1	0.093
727079.1	1073093.5	511.4	10.180	5.589	28.8	11.614	4.4	0.924	0.118	0.033	15.7	0.123	0.2	0.100	0.027	15.1	0.104
727079.3	1073088.5	511.4	11.418	6.306	28.9	13.044	4.9	1.038	0.130	0.037	15.6	0.135	0.3	0.111	0.030	15.0	0.115
727079.5	1073083.5	511.5	12.869	7.158	29.1	14.726	5.4	1.172	0.142	0.039	15.5	0.147	0.4	0.121	0.032	14.8	0.125
727079.8	1073078.5	511.5	14.582	8.185	29.3	16.722	6.0	1.331	0.152	0.041	15.3	0.157	0.7	0.130	0.033	14.4	0.134
727080.0	1073073.5	511.5	16.611	9.430	29.6	19.101	6.7	1.520	0.157	0.042	14.8	0.163	1.1	0.135	0.033	13.7	0.139
727080.2	1073068.5	511.5	19.018	10.949	29.9	21.945	7.4	1.746	0.156	0.038	13.8	0.161	2.2	0.133	0.029	12.2	0.136
727080.5	1073063.5	511.5	21.861	12.807	30.4	25.336	8.0	2.016	0.143	0.030	11.8	0.146	4.9	0.119	0.018	8.7	0.120
727080.7	1073058.5	511.6	25.173	15.063	30.9	29.335	8.7	2.334	0.114	0.020	9.9	0.116	13.6	0.088	-0.002	-1.5	0.088
727081.0	1073053.5	511.6	28.935	17.755	31.5	33.948	9.1	2.702	0.071	0.040	29.1	0.081	55.4	0.035	-0.037	-47.0	0.051
727081.2	1073048.5	511.6	33.038	20.862	32.3	39.074	9.4	3.109	0.064	0.092	55.1	0.112	33.5	-0.043	-0.092	64.9	0.101
727081.4	1073043.5	511.6	37.252	24.254	33.1	44.452	9.4	3.537	0.146	0.168	48.9	0.222	8.2	-0.143	-0.167	49.5	0.220
727081.7	1073038.5	511.6	41.230	27.660	33.9	49.649	9.0	3.951	0.254	0.260	45.7	0.363	2.2	-0.254	-0.259	45.6	0.362
727081.9	1073033.5	511.6	44.558	30.690	34.6	54.105	8.2	4.306	0.355	0.354	44.8	0.501	0.4	-0.358	-0.353	44.6	0.502
727082.1	1073028.5	511.7	46.880	32.946	35.1	57.299	7.0	4.560	0.431	0.430	44.9	0.608	0.4	-0.435	-0.430	44.7	0.612
727082.4	1073023.5	511.7	48.021	34.184	35.4	58.946	5.7	4.691	0.468	0.471	45.2	0.664	0.5	-0.475	-0.474	44.9	0.671
727082.6	1073018.5	511.7	48.062	34.415	35.6	59.113	4.4	4.704	0.467	0.474	45.5	0.665	0.4	-0.477	-0.479	45.2	0.676
727082.9	1073013.5	511.7	47.281	33.873	35.6	58.163	3.3	4.628	0.438	0.447	45.6	0.626	0.3	-0.450	-0.455	45.3	0.640
727083.1	1073008.6	511.7	46.038	32.887	35.5	56.578	2.4	4.502	0.396	0.405	45.7	0.566	0.2	-0.409	-0.413	45.3	0.581
727083.3	1073003.6	511.8	44.656	31.762	35.4	54.799	1.7	4.361	0.352	0.360	45.7	0.504	0.1	-0.365	-0.369	45.3	0.519
727083.6	1072998.6	511.8	43.369	30.719	35.3	53.146	1.3	4.229	0.316	0.323	45.6	0.451	0.1	-0.328	-0.330	45.2	0.465
727083.8	1072993.6	511.8	42.321	29.895	35.2	51.815	0.9	4.123	0.291	0.297	45.6	0.416	0.1	-0.302	-0.302	45.0	0.427
727084.0	1072988.6	511.8	41.582	29.352	35.2	50.898	0.6	4.050	0.281	0.286	45.5	0.401	0.1	-0.289	-0.288	44.9	0.408
727084.3	1072983.6	511.8	41.166	29.106	35.3	50.416	0.4	4.012	0.286	0.290	45.4	0.407	0.1	-0.291	-0.289	44.8	0.410
727084.5	1072978.6	511.9	41.053	29.132	35.4	50.339	0.3	4.006	0.306	0.310	45.4	0.436	0.1	-0.307	-0.305	44.8	0.433
727084.8	1072973.6	511.9	41.209	29.391	35.5	50.616	0.7	4.028	0.339	0.344	45.4	0.484	0.2	-0.337	-0.335	44.9	0.475
727085.0	1072968.6	511.9	41.607	29.843	35.7	51.203	1.3	4.075	0.383	0.390	45.5	0.547	0.3	-0.377	-0.377	45.0	0.533
727085.2	1072963.6	511.9	42.255	30.482	35.8	52.102	2.2	4.146	0.432	0.442	45.7	0.618	0.4	-0.422	-0.425	45.2	0.599
727085.5	1072958.6	511.9	43.208	31.358	36.0	53.387	3.3	4.248	0.479	0.492	45.8	0.686	0.4	-0.467	-0.472	45.3	0.664
727085.7	1072953.6	512.0	44.535	32.538	36.2	55.155	4.4	4.389	0.516	0.532	45.9	0.741	0.3	-0.503	-0.510	45.4	0.716
727085.9	1072948.6	512.0	46.233	34.016	36.3	57.399	5.3	4.568	0.539	0.555	45.8	0.773	0.3	-0.525	-0.533	45.4	0.748
727086.2	1072943.6	512.0	48.159	35.636	36.5	59.910	5.8	4.767	0.546	0.560	45.7	0.782	0.3	-0.532	-0.539	45.3	0.757
727086.4	1072938.6	512.0	50.054	37.145	36.6	62.331	6.0	4.960	0.541	0.552	45.6	0.773	0.2	-0.527	-0.532	45.2	0.749
727086.6	1072933.6	512.0	51.669	38.333	36.6	64.336	5.9	5.120	0.529	0.539	45.5	0.755	0.2	-0.515	-0.519	45.2	0.731
727086.9	1072928.6	512.0	52.863	39.130	36.5	65.770	5.6	5.234	0.515	0.525	45.5	0.736	0.2	-0.501	-0.505	45.2	0.711
727087.1	1072923.6	512.1	53.628	39.591	36.4	66.659	5.3	5.305	0.504	0.514	45.6	0.720	0.2	-0.490	-0.494	45.2	0.695
727087.4	1072918.7	512.1	54.044	39.829	36.4	67.135	5.2	5.342	0.497	0.508	45.6	0.711	0.2	-0.482	-0.487	45.3	0.685
727087.6	1072913.7	512.1	54.228	39.960	36.4	67.361	5.2	5.360	0.494	0.506	45.6	0.707	0.2	-0.479	-0.484	45.3	0.681
727087.8	1072908.7	512.1	54.291	40.072	36.4	67.478	5.2	5.370	0.495	0.506	45.7	0.708	0.3	-0.479	-0.485	45.3	0.682
727088.1	1072903.7	512.1	54.323	40.222	36.5	67.593	5.4	5.379	0.499	0.510	45.6	0.713	0.4	-0.483	-0.488	45.3	0.687
727088.3	1072898.7	512.2	54.379	40.434	36.6	67.764	5.6	5.393	0.504	0.515	45.6	0.720	0.4	-0.489	-0.493	45.2	0.694
727088.5	1072893.7	512.2	54.491	40.716	36.8	68.023	5.7	5.413	0.511	0.520	45.5	0.729	0.5	-0.496	-0.498	45.2	0.703
727088.8	1072888.7	512.2	54.674	41.065	36.9	68.378	5.9	5.441	0.519	0.527	45.5	0.739	0.6	-0.503	-0.504	45.1	0.712
727089.0	1072883.7	512.2	54.928	41.470	37.1	68.825	6.0	5.477	0.526	0.534	45.4	0.750	0.6	-0.511	-0.510	45.0	0.722
727089.3	1072878.7	512.2	55.247	41.921	37.2	69.352	6.1	5.519	0.535	0.541	45.3	0.760	0.7	-0.518	-0.516	44.9	0.731
727089.5	1072873.7	512.3	55.622	42.406	37.3	69.943	6.1	5.566	0.543	0.548	45.3	0.771	0.7	-0.525	-0.521	44.8	0.740
727089.7	1072868.7	512.3	56.074	42.943	37.4	70.629	6.2	5.620	0.550	0.555	45.2	0.782	0.8	-0.533	-0.529	44.8	0.751
727090.0	1072863.7	512.4	56.596	43.527	37.6	71.399	6.2	5.682	0.558	0.562	45.2	0.792	0.8	-0.543	-0.538	44.7	0.764
727090.2	1072858.7	512.4	57.142	44.119	37.7	72.192	6.2	5.745	0.566	0.569	45.2	0.802	0.9	-0.552	-0.546	44.7	0.777
727090.4	1072853.7	512.4	57.682	44.694	37.8	72.971	6.2	5.807	0.573	0.576	45.1	0.812	0.9	-0.560	-0.553	44.6	0.787
727090.7	1072848.7	512.5	58.224	45.260	37.9	73.746	6.2	5.869	0.579	0.582	45.1	0.821	1.0	-0.567	-0.559	44.6	0.797
727090.9	1072843.7	512.5	58.762	45.812	37.9	74.509	6.2	5.929	0.586	0.588	45.1	0.830	1.0	-0.574	-0.565	44.6	0.805
727091.2	1072838.7	512.6	59.287	46.346	38.0	75.252	6.1	5.988	0.592	0.594	45.1	0.838	1.0	-0.580	-0.571	44.6	0.814
727091.4	1072833.8	512.6	59.794	46.858	38.1	75.967	6.1	6.045	0.597	0.599	45.1	0.846	1.1	-0.585	-0.576	44.5	0.821
727091.6	1072828.8	512.7	60.278	47.343	38.1	76.647	6.1	6.099	0.602	0.604	45.1	0.853	1.1	-0.590	-0.581	44.5	0.828
727091.9	1072823.8	512.7	60.734	47.800	38.2	77.288	6.1	6.150	0.607	0.609	45.1	0.859	1.1	-0.595	-0.585	44.5	0.834
727092.1	1072818.8	512.7	61.158	48.224	38.3	77.884	6.1	6.198	0.611	0.613	45.1	0.865	1.1	-0.599	-0.589	44.5	0.840
727092.3	1072813.8	512.8	61.548	48.614	38.3	78.431	6.0	6.241	0.615	0.617	45.1	0.871	1.2	-0.602	-0.592	44.5	0.845
727092.6	1072808.8	512.8	61.902	48.969	38.3	78.930	6.0	6.281	0.618	0.620	45.1	0.875	1.2	-0.605	-0.595	44.5	0.849
727092.8	1072803.8	512.9	62.269	49.335	38.4	79.444	6.0	6.322	0.621	0.623	45.1	0.880	1.2	-0.610	-0.601	44.6	0.856
727093.1	1072798.8	512.9	62.595	49.661	38.4	79.902	6.0	6.358	0.624	0.626	45.1	0.884	1.2	-0.614	-0.605	44.6	0.863
727093.3	1072793.8	513.0	62.878	49.947	38.5	80.301	5.9	6.390	0.627	0.629	45.1	0.888	1.2	-0.618	-0.609	44.6	0.867
727093.5	1072788.8	513.1	63.116	50.190	38.5	80.639	5.9	6.417	0.629	0.631	45.1	0.891	1.2	-0.620	-0.611	44.6	0.871

727093.8	1072783.8	513.1	63.307	50.391	38.5	80.914	5.9	6.439	0.631	0.633	45.1	0.894	1.3	-0.621	-0.612	44.6	0.872
727094.0	1072778.8	513.2	63.452	50.548	38.5	81.125	5.8	6.456	0.633	0.635	45.1	0.896	1.3	-0.621	-0.612	44.6	0.872
727094.2	1072773.8	513.3	63.549	50.660	38.6	81.271	5.8	6.467	0.634	0.636	45.1	0.898	1.3	-0.619	-0.611	44.6	0.870
727094.5	1072768.8	513.3	63.683	50.806	38.6	81.466	5.8	6.483	0.635	0.638	45.1	0.900	1.3	-0.621	-0.613	44.6	0.873
727094.7	1072763.8	513.5	63.834	50.966	38.6	81.685	5.8	6.500	0.637	0.639	45.1	0.902	1.3	-0.626	-0.618	44.6	0.880
727095.0	1072758.8	513.6	63.937	51.082	38.6	81.837	5.7	6.512	0.638	0.640	45.1	0.904	1.3	-0.630	-0.622	44.6	0.886
727095.2	1072753.8	513.7	63.991	51.153	38.6	81.923	5.7	6.519	0.638	0.641	45.1	0.904	1.3	-0.633	-0.625	44.6	0.889
727095.4	1072748.8	513.8	63.996	51.177	38.6	81.943	5.7	6.521	0.638	0.641	45.1	0.904	1.3	-0.635	-0.627	44.7	0.892
727095.7	1072743.9	513.9	63.952	51.157	38.7	81.896	5.6	6.517	0.638	0.640	45.1	0.904	1.3	-0.636	-0.628	44.7	0.894
727095.9	1072738.9	514.0	63.866	51.097	38.7	81.791	5.6	6.509	0.637	0.639	45.1	0.903	1.3	-0.637	-0.629	44.7	0.895
727096.1	1072733.9	514.1	63.733	50.992	38.7	81.622	5.6	6.495	0.636	0.638	45.1	0.901	1.3	-0.637	-0.630	44.7	0.896
727096.4	1072728.9	514.2	63.554	50.844	38.7	81.389	5.5	6.477	0.634	0.636	45.1	0.898	1.3	-0.637	-0.630	44.7	0.896
727096.6	1072723.9	514.3	63.306	50.633	38.7	81.064	5.5	6.451	0.631	0.633	45.1	0.894	1.3	-0.635	-0.628	44.7	0.893
727096.8	1072718.9	514.4	62.993	50.360	38.6	80.649	5.5	6.418	0.628	0.630	45.1	0.890	1.2	-0.632	-0.625	44.7	0.888
727097.1	1072713.9	514.5	62.639	50.047	38.6	80.177	5.4	6.380	0.625	0.627	45.1	0.885	1.2	-0.627	-0.621	44.7	0.882
727097.3	1072708.9	514.6	62.245	49.698	38.6	79.652	5.4	6.338	0.621	0.622	45.1	0.879	1.2	-0.622	-0.616	44.7	0.876
727097.6	1072703.9	514.7	61.817	49.314	38.6	79.077	5.3	6.293	0.617	0.618	45.0	0.873	1.2	-0.617	-0.610	44.7	0.868
727097.8	1072698.9	514.8	61.357	48.898	38.6	78.458	5.3	6.244	0.613	0.613	45.0	0.867	1.2	-0.610	-0.604	44.7	0.858
727098.0	1072693.9	514.9	60.871	48.455	38.5	77.802	5.2	6.191	0.608	0.608	45.0	0.860	1.2	-0.602	-0.597	44.7	0.848
727098.3	1072688.9	515.0	60.388	48.012	38.5	77.149	5.2	6.139	0.603	0.603	45.0	0.853	1.1	-0.594	-0.589	44.7	0.837
727098.5	1072683.9	515.1	59.924	47.581	38.5	76.517	5.1	6.089	0.598	0.598	45.0	0.846	1.1	-0.587	-0.582	44.8	0.827
727098.7	1072678.9	515.3	59.455	47.141	38.4	75.876	5.1	6.038	0.594	0.593	45.0	0.839	1.1	-0.578	-0.573	44.8	0.814
727099.0	1072673.9	515.4	59.123	46.821	38.4	75.417	5.0	6.001	0.590	0.589	45.0	0.834	1.1	-0.576	-0.571	44.8	0.812
727099.2	1072668.9	515.6	58.847	46.550	38.3	75.032	4.9	5.971	0.587	0.585	44.9	0.829	1.1	-0.575	-0.570	44.7	0.810
727099.5	1072663.9	515.8	58.617	46.321	38.3	74.710	4.9	5.945	0.584	0.583	44.9	0.825	1.0	-0.574	-0.569	44.7	0.808
727099.7	1072658.9	516.0	58.484	46.186	38.3	74.522	4.8	5.930	0.583	0.581	44.9	0.823	1.0	-0.574	-0.569	44.7	0.808
727099.9	1072654.0	516.2	58.425	46.132	38.3	74.442	4.8	5.924	0.583	0.582	44.9	0.824	1.0	-0.575	-0.570	44.7	0.809
727100.2	1072649.0	516.4	58.453	46.174	38.3	74.490	4.8	5.928	0.585	0.584	44.9	0.827	0.9	-0.576	-0.571	44.8	0.811
727100.4	1072644.0	516.6	58.572	46.319	38.3	74.673	4.8	5.942	0.589	0.589	45.0	0.833	0.9	-0.578	-0.574	44.8	0.814
727100.6	1072639.0	516.8	58.776	46.559	38.4	74.982	4.9	5.967	0.594	0.595	45.0	0.841	0.9	-0.580	-0.577	44.9	0.819
727100.9	1072634.0	517.0	59.052	46.875	38.4	75.395	4.9	6.000	0.600	0.602	45.1	0.850	0.9	-0.583	-0.582	44.9	0.824
727101.1	1072629.0	517.1	59.382	47.243	38.5	75.882	5.0	6.039	0.606	0.609	45.1	0.859	0.9	-0.587	-0.586	45.0	0.829
727101.4	1072624.0	517.4	59.772	47.667	38.6	76.452	5.1	6.084	0.612	0.616	45.1	0.868	1.0	-0.591	-0.592	45.1	0.837
727101.6	1072619.0	517.6	60.218	48.137	38.6	77.093	5.1	6.135	0.618	0.622	45.2	0.877	1.0	-0.598	-0.600	45.1	0.847
727101.8	1072614.0	517.8	60.668	48.606	38.7	77.737	5.2	6.186	0.624	0.628	45.2	0.885	1.0	-0.604	-0.608	45.2	0.857
727102.1	1072609.0	518.0	61.100	49.054	38.8	78.355	5.2	6.235	0.629	0.634	45.2	0.893	1.0	-0.609	-0.613	45.2	0.864
727102.3	1072604.0	518.2	61.515	49.482	38.8	78.947	5.3	6.282	0.633	0.638	45.2	0.899	1.1	-0.612	-0.618	45.3	0.870
727102.5	1072599.0	518.4	61.905	49.883	38.9	79.502	5.3	6.327	0.637	0.642	45.2	0.905	1.1	-0.615	-0.623	45.3	0.875
727102.8	1072594.0	518.7	62.264	50.253	38.9	80.013	5.3	6.367	0.640	0.646	45.3	0.910	1.1	-0.618	-0.626	45.4	0.880
727103.0	1072589.0	518.9	62.588	50.588	38.9	80.476	5.4	6.404	0.643	0.649	45.3	0.913	1.1	-0.619	-0.629	45.4	0.883
727103.3	1072584.0	519.1	62.873	50.885	39.0	80.885	5.4	6.437	0.645	0.651	45.3	0.917	1.1	-0.620	-0.631	45.5	0.885
727103.5	1072579.0	519.3	63.117	51.143	39.0	81.236	5.4	6.465	0.647	0.653	45.3	0.919	1.2	-0.621	-0.633	45.6	0.886
727103.7	1072574.0	519.5	63.317	51.359	39.0	81.528	5.5	6.488	0.648	0.654	45.3	0.921	1.2	-0.621	-0.634	45.6	0.887
727104.0	1072569.0	519.7	63.472	51.532	39.1	81.758	5.5	6.506	0.648	0.655	45.3	0.922	1.2	-0.620	-0.635	45.7	0.887
727104.2	1072564.1	519.9	63.581	51.662	39.1	81.924	5.5	6.519	0.648	0.655	45.3	0.922	1.2	-0.619	-0.635	45.7	0.887
727104.4	1072559.1	520.2	63.645	51.750	39.1	82.029	5.5	6.528	0.648	0.655	45.3	0.921	1.2	-0.618	-0.635	45.8	0.887
727104.7	1072554.1	520.4	63.663	51.794	39.1	82.071	5.6	6.531	0.647	0.654	45.3	0.920	1.2	-0.618	-0.636	45.8	0.886
727104.9	1072549.1	520.6	63.633	51.793	39.1	82.047	5.6	6.529	0.645	0.652	45.3	0.918	1.2	-0.617	-0.636	45.9	0.886
727105.1	1072544.1	520.8	63.555	51.747	39.2	81.957	5.6	6.522	0.643	0.650	45.3	0.915	1.2	-0.616	-0.636	45.9	0.886
727105.4	1072539.1	521.0	63.429	51.656	39.2	81.802	5.6	6.510	0.640	0.648	45.3	0.911	1.2	-0.616	-0.637	46.0	0.886
727105.6	1072534.1	521.2	63.222	51.490	39.2	81.537	5.6	6.489	0.637	0.644	45.3	0.906	1.3	-0.614	-0.636	46.0	0.885
727105.9	1072529.1	521.4	62.876	51.194	39.2	81.082	5.6	6.452	0.633	0.640	45.3	0.900	1.2	-0.607	-0.630	46.1	0.875
727106.1	1072524.1	521.6	62.500	50.871	39.1	80.586	5.6	6.413	0.628	0.635	45.3	0.893	1.2	-0.602	-0.626	46.1	0.868
727106.3	1072519.1	521.8	62.081	50.508	39.1	80.032	5.6	6.369	0.623	0.630	45.3	0.886	1.2	-0.598	-0.622	46.1	0.862
727106.6	1072514.1	522.0	61.620	50.108	39.1	79.422	5.6	6.320	0.617	0.624	45.3	0.877	1.2	-0.594	-0.619	46.2	0.857
727106.8	1072509.1	522.1	61.119	49.671	39.1	78.758	5.6	6.267	0.611	0.617	45.3	0.869	1.2	-0.591	-0.616	46.2	0.854
727107.0	1072504.1	522.3	60.542	49.166	39.1	77.991	5.6	6.206	0.604	0.610	45.3	0.859	1.2	-0.587	-0.612	46.2	0.848
727107.3	1072499.1	522.4	59.815	48.525	39.1	77.023	5.5	6.129	0.597	0.602	45.3	0.848	1.2	-0.576	-0.602	46.3	0.833
727107.5	1072494.1	522.6	59.033	47.838	39.0	75.983	5.5	6.047	0.588	0.594	45.2	0.836	1.2	-0.566	-0.592	46.3	0.819
727107.8	1072489.1	522.7	58.191	47.100	39.0	74.863	5.4	5.957	0.580	0.584	45.2	0.823	1.1	-0.554	-0.581	46.3	0.803
727108.0	1072484.1	522.8	57.317	46.340	39.0	73.706	5.4	5.865	0.570	0.575	45.2	0.810	1.1	-0.545	-0.571	46.3	0.789
727108.2	1072479.1	522.9	56.408	45.558	38.9	72.508	5.3	5.770	0.561	0.565	45.2	0.796	1.1	-0.536	-0.562	46.4	0.776
727108.5	1072474.2	523.0	55.460	44.751	38.9	71.263	5.3	5.671	0.550	0.554	45.2	0.781	1.1	-0.528	-0.554	46.4	0.765
727108.7	1072469.2	523.1	54.463	43.915	38.9	69.962	5.2	5.567	0.539	0.543	45.2	0.765	1.0	-0.521	-0.547	46.4	0.755
727108.9	1072464.2	523.2	53.402	43.040	38.9	68.588	5.2	5.458	0.527	0.531	45.2	0.748	1.0	-0.515	-0.540	46.4	0.746
727109.2	1072459.2	523.3	52.131	42.002	38.9	66.946	5.1	5.327	0.513	0.517	45.2	0.728	1.0	-0.500	-0.526	46.4	0.726
727109.4	1072454.2	523.3	50.678	40.830	38.9	65.080	5.0	5.179	0.498	0.502	45.2	0.707	0.9	-0.482	-0.507	46.5	0.699
727109.7	1072449.2	523.4	49.074	39.557	38.9	63.031	4.9	5.016	0.481	0.485	45.2	0.683	0.9	-0.462	-0.488	46.6	0.673
727109.9	1072444.2	523.4	47.257	38.129	38.9	60.721	4.8	4.832	0.462	0.466	45.3	0.657	0.8	-0.442	-0.468	46.6	0.644

727110.1	1072439.2	523.4	45.156	36.479	38.9	58.050	4.7	4.619	0.440	0.445	45.3	0.626	0.8	-0.420	-0.446	46.7	0.612
727110.4	1072434.2	523.5	42.684	34.520	39.0	54.896	4.6	4.368	0.414	0.420	45.4	0.590	0.8	-0.394	-0.420	46.9	0.576
727110.6	1072429.2	523.5	39.757	32.158	39.0	51.134	4.6	4.069	0.384	0.390	45.4	0.548	0.7	-0.365	-0.391	47.0	0.534
727110.8	1072424.2	523.5	36.315	29.313	38.9	46.669	4.6	3.714	0.350	0.355	45.5	0.498	0.7	-0.330	-0.356	47.1	0.486
727111.1	1072419.2	523.6	32.356	25.960	38.7	41.483	4.6	3.301	0.310	0.316	45.5	0.443	0.7	-0.292	-0.316	47.3	0.430
727111.3	1072414.2	523.6	27.966	22.167	38.4	35.686	4.8	2.840	0.267	0.272	45.5	0.381	0.7	-0.248	-0.271	47.5	0.368
727111.6	1072409.2	523.6	23.353	18.139	37.8	29.570	5.0	2.353	0.222	0.225	45.4	0.317	0.6	-0.203	-0.224	47.8	0.302
727111.8	1072404.2	523.6	18.792	14.161	37.0	23.531	5.4	1.872	0.178	0.180	45.3	0.253	0.4	-0.158	-0.178	48.3	0.238
727112.0	1072399.2	523.7	14.568	10.528	35.9	17.974	6.0	1.430	0.136	0.138	45.4	0.194	0.1	-0.116	-0.135	49.3	0.178
727112.3	1072394.2	523.7	10.896	7.452	34.4	13.200	6.8	1.050	0.099	0.101	45.6	0.142	0.6	-0.079	-0.098	51.2	0.125
727112.5	1072389.3	523.7	7.881	5.018	32.5	9.343	7.7	0.744	0.068	0.072	46.4	0.099	1.8	-0.047	-0.067	54.9	0.082
727112.7	1072384.3	523.8	5.527	3.202	30.1	6.388	8.9	0.508	0.044	0.049	48.0	0.066	4.0	-0.022	-0.044	62.9	0.049
727113.0	1072379.3	523.8	3.766	1.910	26.9	4.222	10.1	0.336	0.025	0.032	51.3	0.041	8.7	-0.003	-0.026	83.3	0.026
727113.2	1072374.3	523.8	2.499	1.028	22.4	2.702	10.5	0.215	0.013	0.020	57.0	0.023	21.0	0.011	-0.013	-49.4	0.017
727113.5	1072369.3	523.8	1.627	0.452	15.5	1.689	8.0	0.134	0.007	0.011	56.0	0.013	60.9	0.022	-0.004	-10.5	0.022
727113.7	1072364.3	523.9	1.066	0.131	7.0	1.074	3.4	0.085	0.010	0.005	27.6	0.012	50.4	0.029	0.002	4.7	0.029
727113.9	1072359.3	523.9	0.748	0.199	14.9	0.774	26.2	0.062	0.014	0.003	11.2	0.014	18.1	0.033	0.007	11.3	0.034
727114.2	1072354.3	523.9	0.605	0.315	27.5	0.682	48.1	0.054	0.017	0.004	12.0	0.017	8.1	0.036	0.009	14.7	0.037
727114.4	1072349.3	523.9	0.558	0.378	34.1	0.674	49.3	0.054	0.018	0.005	14.8	0.019	4.2	0.038	0.011	16.6	0.039
727114.6	1072344.3	523.9	0.544	0.404	36.6	0.677	41.7	0.054	0.019	0.006	16.7	0.020	2.4	0.038	0.012	17.8	0.040
727114.9	1072339.3	523.9	0.532	0.406	37.3	0.669	35.4	0.053	0.020	0.006	18.0	0.021	1.5	0.038	0.013	18.6	0.040
727115.1	1072334.3	524.0	0.515	0.393	37.3	0.647	31.0	0.052	0.020	0.007	18.8	0.021	0.9	0.038	0.013	19.1	0.040
727115.3	1072329.3	524.0	0.490	0.372	37.2	0.615	28.0	0.049	0.019	0.007	19.3	0.021	0.6	0.037	0.013	19.5	0.039
727115.6	1072324.3	524.0	0.462	0.347	36.9	0.577	26.0	0.046	0.019	0.007	19.7	0.020	0.4	0.036	0.013	19.7	0.038
727115.8	1072319.3	524.0	0.430	0.320	36.6	0.536	24.5	0.043	0.018	0.007	20.0	0.019	0.3	0.035	0.013	19.9	0.037
727116.1	1072314.3	524.0	0.399	0.294	36.4	0.495	23.6	0.039	0.018	0.006	20.2	0.019	0.2	0.033	0.012	20.0	0.036
727116.3	1072309.3	524.1	0.367	0.269	36.2	0.455	22.9	0.036	0.017	0.006	20.3	0.018	0.1	0.032	0.012	20.1	0.034
727116.5	1072304.3	524.1	0.337	0.245	36.0	0.417	22.5	0.033	0.016	0.006	20.4	0.017	0.1	0.031	0.011	20.2	0.033
727116.8	1072299.4	524.1	0.309	0.223	35.8	0.381	22.3	0.030	0.015	0.006	20.5	0.016	0.0	0.030	0.011	20.2	0.032
727117.0	1072294.4	524.2	0.282	0.203	35.7	0.348	22.3	0.028	0.015	0.006	20.5	0.016	0.0	0.029	0.011	20.2	0.031
727117.2	1072289.4	524.2	0.258	0.185	35.6	0.318	22.3	0.025	0.014	0.005	20.6	0.015	0.0	0.028	0.010	20.3	0.030
727117.5	1072284.4	524.2	0.258	0.200	37.8	0.327	17.9	0.026	0.013	0.005	20.7	0.014	0.0	0.027	0.010	20.5	0.028

PLS-CADD Version 19.01x64 4:50:25 PM Wednesday, November 6, 2024
Applied High Voltage LLC
Project Name: 'C:\Users\North Seneca EMF EDR\North Seneca EMF.don'
Line Title: 'North Seneca'

3D EMF Calculation Notes:
  1) Calculations based on the EPRI Red Book methods (3rd Edition, 2005 - 7.4 Calculation of Magnetic Fields and Appendices 7.1 Calculation of Field Ellipse Parameters and 7.6 Electric Field Calculations for 3D Geometry).
  2) All wire positions are modeled at the specified weather case and wind direction. Height above ground determined by the modeled ground TIN.
  3) Only the effects of wires are being analyzed. The effects of structures are not included unless enabled as noted below.
  4) Ground return is being ignored for magnetic field calculations.

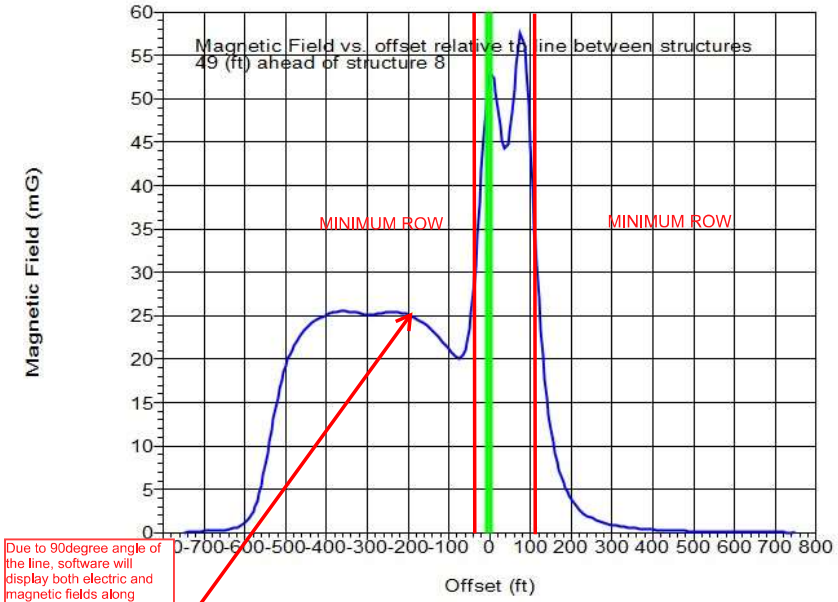
Meter height above ground:	3.28 (ft)	measurement location above ground
Maximum wire distance:	750.00 (ft)	
Maximum cable segment size:	9.80 (ft)	
Cross section offset +/-:	750.00 (ft)	cross section width +/- 500ft on each side
Result interval:	5.00 (ft)	measurement intervals
Electric field limit:	1.60 (kV/m)	
Magnetic field limit:	200.00 (mG)	
Space potential limit:	0.00 (kV)	
Contour Map Spacing:	15 (ft)	
Analyzing spans between these structures:	8 - 11	Segment 2 - between structure 8 (switchyard dead-end) and structure 11

One or more sections have wind from both directions which is not supported. A wind direction of left is being used for those sections.

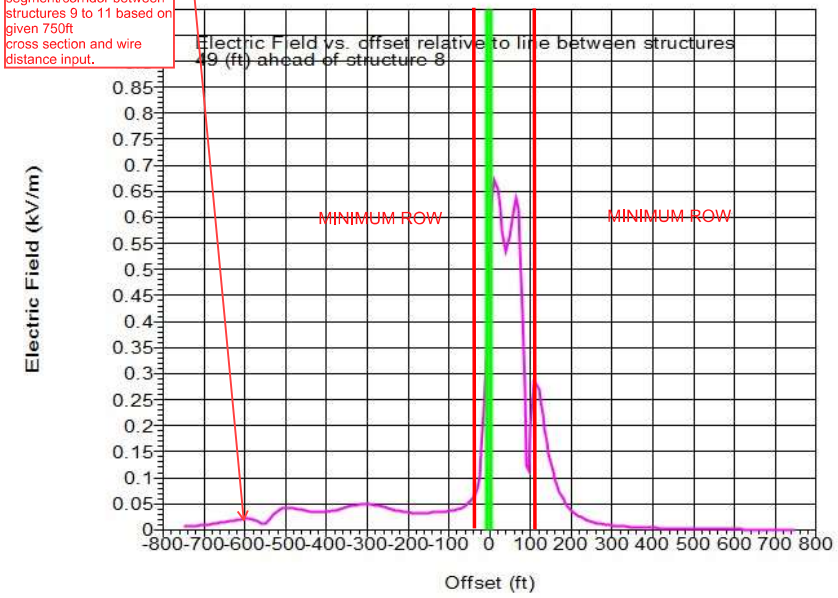
Section Data for 3D EMF Results:

Section Number	Section Note	Voltage Ph-Ph (kV)	Current (Amps)	Cable Filename	Cable Description	Conductors Per Phase	Bundle Diameter (in)	Cable Radius (in)	Weather Case	Condition	Wind Dir.	WC Temperature (deg F)	Effective Radius (in)
1		0.0	0.0	AC-34-52-646.wir	AFL OPGW 48 Fiber AlumaCore AC-34/52/646	1	0.000	0.323	120 Deg F	Initial RS	Left	120.000	0.323
2		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
3		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
4		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
5		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180
6		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
7		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
8		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
9		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
10		115.0	907.0	DRAKE_ACSR_GA2_GCC.wir	795.0 kcmil 26/7 Drake/ACSR/GA2	1	0.000	0.554	167 Deg F	Initial RS	Left	167.000	0.554
11		0.0	0.0	3_8-7_strand_ehs_steel.wir	3/8 inch EHS 7 Strands Steel	1	0.000	0.180	120 Deg F	Initial RS	Left	120.000	0.180

Mid-span cross section results between structures 8 and 9



Due to 90degree angle of the line, software will display both electric and magnetic fields along perpendicular segment/corridor between structures 9 to 11 based on given 750ft cross section and wire distance input.



combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 1072207.2-1072202.2= 5ft in Y direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 8 to 9:

Measurement			B					H						Space Potential				
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
727159.3	1072202.2	526.7	0.022	0.036	58.9	0.043	30.6	0.003	0.006	0.002	20.8	0.006	0.1	0.017	0.006	20.7	0.018
727159.0	1072207.2	526.4	0.095	0.085	41.7	0.128	8.1	0.010	0.006	0.002	20.7	0.006	0.1	0.017	0.006	20.5	0.018
727158.8	1072212.2	526.1	0.100	0.089	41.6	0.134	8.1	0.011	0.006	0.002	20.7	0.007	0.1	0.017	0.006	20.5	0.018
727158.5	1072217.2	525.8	0.105	0.093	41.5	0.140	8.1	0.011	0.006	0.002	20.7	0.007	0.1	0.017	0.006	20.5	0.018
727158.3	1072222.2	525.6	0.111	0.098	41.5	0.148	8.0	0.012	0.007	0.003	20.7	0.007	0.1	0.017	0.006	20.5	0.018
727158.1	1072227.2	525.4	0.123	0.105	40.4	0.162	10.0	0.013	0.007	0.003	20.6	0.007	0.1	0.018	0.007	20.4	0.019
727157.8	1072232.2	525.2	0.130	0.111	40.4	0.171	9.9	0.014	0.007	0.003	20.6	0.008	0.1	0.018	0.007	20.4	0.019
727157.6	1072237.2	525.1	0.137	0.117	40.4	0.180	9.7	0.014	0.008	0.003	20.6	0.008	0.1	0.018	0.007	20.4	0.020
727157.4	1072242.2	525.0	0.145	0.124	40.5	0.191	9.5	0.015	0.008	0.003	20.7	0.009	0.1	0.019	0.007	20.4	0.020
727157.1	1072247.2	524.9	0.154	0.131	40.5	0.202	9.3	0.016	0.008	0.003	20.7	0.009	0.0	0.019	0.007	20.5	0.021
727156.9	1072252.2	524.7	0.163	0.139	40.5	0.214	9.0	0.017	0.009	0.003	20.7	0.009	0.0	0.020	0.007	20.5	0.021
727156.6	1072257.2	524.6	0.173	0.148	40.6	0.227	8.8	0.018	0.009	0.003	20.7	0.010	0.0	0.020	0.008	20.5	0.022
727156.4	1072262.2	524.5	0.184	0.158	40.6	0.242	8.5	0.019	0.010	0.004	20.7	0.010	0.0	0.021	0.008	20.5	0.022
727156.2	1072267.2	524.4	0.196	0.168	40.7	0.258	8.1	0.021	0.010	0.004	20.7	0.011	0.0	0.021	0.008	20.5	0.023
727155.9	1072272.2	524.3	0.209	0.180	40.8	0.275	7.8	0.022	0.010	0.004	20.7	0.011	0.0	0.022	0.008	20.5	0.023
727155.7	1072277.1	524.3	0.223	0.193	40.9	0.295	7.4	0.023	0.011	0.004	20.7	0.012	0.0	0.023	0.008	20.5	0.024
727155.4	1072282.1	524.3	0.239	0.208	41.0	0.316	7.0	0.025	0.011	0.004	20.7	0.012	0.0	0.024	0.009	20.5	0.025
727155.2	1072287.1	524.2	0.187	0.178	43.5	0.258	11.0	0.021	0.012	0.005	20.6	0.013	0.0	0.025	0.009	20.3	0.026
727155.0	1072292.1	524.2	0.203	0.194	43.7	0.281	9.9	0.022	0.013	0.005	20.6	0.014	0.0	0.026	0.009	20.3	0.027
727154.7	1072297.1	524.2	0.222	0.213	43.9	0.307	8.7	0.024	0.013	0.005	20.6	0.014	0.0	0.027	0.010	20.2	0.029
727154.5	1072302.1	524.2	0.242	0.234	44.1	0.337	7.5	0.027	0.014	0.005	20.6	0.015	0.0	0.028	0.010	20.2	0.030
727154.2	1072307.1	524.2	0.265	0.258	44.2	0.370	6.4	0.029	0.015	0.005	20.5	0.016	0.0	0.029	0.011	20.2	0.031
727154.0	1072312.1	524.2	0.291	0.284	44.4	0.407	5.5	0.032	0.015	0.006	20.5	0.016	0.1	0.030	0.011	20.2	0.032
727153.8	1072317.1	524.2	0.321	0.315	44.4	0.450	5.1	0.036	0.016	0.006	20.4	0.017	0.1	0.031	0.012	20.1	0.033
727153.5	1072322.1	524.1	0.357	0.350	44.4	0.500	5.5	0.040	0.017	0.006	20.3	0.018	0.1	0.033	0.012	20.1	0.035
727153.3	1072327.1	524.1	0.401	0.390	44.2	0.559	6.6	0.044	0.017	0.006	20.2	0.018	0.2	0.034	0.012	20.0	0.036
727153.0	1072332.1	524.1	0.455	0.436	43.8	0.630	8.1	0.050	0.018	0.007	20.1	0.019	0.3	0.035	0.013	19.9	0.037
727152.8	1072337.1	524.1	0.523	0.492	43.3	0.718	9.9	0.057	0.019	0.007	19.9	0.020	0.4	0.036	0.013	19.8	0.038
727152.6	1072342.1	524.1	0.610	0.558	42.5	0.827	11.7	0.066	0.019	0.007	19.6	0.020	0.6	0.037	0.013	19.6	0.039
727152.3	1072347.1	524.0	0.723	0.639	41.5	0.965	13.2	0.077	0.020	0.007	19.2	0.021	0.8	0.038	0.013	19.3	0.040
727152.1	1072352.1	524.0	0.870	0.740	40.4	1.142	14.3	0.091	0.020	0.007	18.7	0.021	1.1	0.039	0.013	19.0	0.041
727151.9	1072357.1	524.0	1.060	0.865	39.2	1.369	14.9	0.109	0.020	0.007	18.1	0.021	1.5	0.039	0.013	18.6	0.042
727151.6	1072362.1	523.9	1.305	1.024	38.1	1.658	15.0	0.132	0.020	0.006	17.1	0.021	2.2	0.040	0.013	18.0	0.042
727151.4	1072367.0	523.9	1.616	1.223	37.1	2.026	14.6	0.161	0.019	0.006	15.9	0.020	3.2	0.040	0.012	17.3	0.042
727151.1	1072372.0	523.9	2.005	1.474	36.3	2.488	14.0	0.198	0.019	0.005	14.2	0.019	4.8	0.039	0.011	16.2	0.041
727150.9	1072377.0	523.8	2.485	1.786	35.7	3.060	13.2	0.244	0.018	0.004	12.1	0.018	7.6	0.038	0.010	14.9	0.040
727150.7	1072382.0	523.8	3.066	2.169	35.3	3.756	12.4	0.299	0.016	0.003	10.3	0.016	12.5	0.037	0.009	13.0	0.038
727150.4	1072387.0	523.8	3.755	2.630	35.0	4.584	11.5	0.365	0.014	0.003	12.4	0.014	21.7	0.035	0.006	10.4	0.036
727150.2	1072392.0	523.7	4.553	3.172	34.9	5.549	10.8	0.442	0.012	0.005	22.2	0.013	39.3	0.033	0.004	6.9	0.033
727149.9	1072397.0	523.7	5.455	3.792	34.8	6.643	10.1	0.529	0.009	0.007	38.2	0.012	71.6	0.030	0.001	2.1	0.030
727149.7	1072402.0	523.7	6.446	4.481	34.8	7.851	9.6	0.625	0.008	0.010	53.3	0.013	74.1	0.027	-0.002	-4.4	0.027
727149.5	1072407.0	523.6	7.506	5.224	34.8	9.145	9.1	0.728	0.008	0.014	60.0	0.016	45.7	0.023	-0.005	-12.9	0.024
727149.2	1072412.0	523.6	8.605	5.999	34.9	10.490	8.8	0.835	0.010	0.017	60.0	0.020	30.5	0.020	-0.009	-23.5	0.022
727149.0	1072417.0	523.6	9.712	6.782	34.9	11.845	8.6	0.943	0.013	0.021	58.0	0.024	22.3	0.017	-0.012	-35.2	0.021
727148.7	1072422.0	523.5	10.796	7.548	35.0	13.173	8.4	1.048	0.016	0.024	56.0	0.029	17.5	0.014	-0.015	-46.4	0.020
727148.5	1072427.0	523.5	11.831	8.278	35.0	14.439	8.3	1.149	0.019	0.027	54.5	0.033	14.7	0.012	-0.017	-55.6	0.021
727148.3	1072432.0	523.5	12.797	8.955	35.0	15.619	8.3	1.243	0.022	0.029	53.3	0.036	13.0	0.010	-0.019	-62.2	0.021
727148.0	1072437.0	523.4	13.682	9.573	35.0	16.699	8.3	1.329	0.024	0.031	52.5	0.039	11.9	0.009	-0.020	-66.4	0.022
727147.8	1072442.0	523.4	14.482	10.128	35.0	17.672	8.3	1.406	0.025	0.032	51.9	0.041	11.4	0.008	-0.021	-68.5	0.023
727147.5	1072447.0	523.4	15.198	10.622	34.9	18.541	8.3	1.475	0.026	0.033	51.6	0.042	11.2	0.008	-0.022	-68.9	0.023
727147.3	1072451.9	523.3	15.835	11.058	34.9	19.314	8.4	1.537	0.027	0.033	51.3	0.043	11.3	0.009	-0.022	-68.1	0.024
727147.1	1072456.9	523.3	16.401	11.444	34.9	19.999	8.5	1.591	0.027	0.034	51.2	0.043	11.6	0.010	-0.022	-66.3	0.024
727146.8	1072461.9	523.2	16.886	11.774	34.9	20.586	8.5	1.638	0.027	0.034	51.2	0.043	12.0	0.011	-0.021	-62.4	0.023
727146.6	1072466.9	523.1	17.314	12.064	34.9	21.102	8.6	1.679	0.027	0.033	51.3	0.042	12.5	0.012	-0.020	-57.7	0.023
727146.4	1072471.9	523.0	17.693	12.320	34.9	21.560	8.7	1.716	0.026	0.033	51.5	0.042	13.1	0.014	-0.018	-52.7	0.023
727146.1	1072476.9	522.9	18.034	12.549	34.8	21.970	8.7	1.748	0.025	0.032	51.6	0.041	13.8	0.016	-0.017	-47.9	0.023
727145.9	1072481.9	522.8	18.342	12.756	34.8	22.342	8.8	1.778	0.025	0.031	51.8	0.040	14.7	0.017	-0.016	-43.7	0.023
727145.6	1072486.9	522.6	18.624	12.945	34.8	22.681	8.9	1.805	0.024	0.031	51.9	0.039	15.6	0.018	-0.015	-40.0	0.024
727145.4	1072491.9	522.5	18.883	13.118	34.8	22.992	8.9	1.830	0.024	0.030	52.0	0.038	16.7	0.019	-0.014	-37.2	0.024
727145.2	1072496.9	522.4	19.123	13.277	34.8	23.280	9.0	1.853	0.023	0.030	52.0	0.037	17.7	0.020	-0.014	-35.0	0.024
727144.9	1072501.9	522.3	19.346	13.425	34.8	23.548	9.0	1.874	0.023	0.029	51.9	0.037	18.8	0.020	-0.013	-33.7	0.024
727144.7	1072506.9	522.2	19.538	13.552	34.7	23.777	9.1	1.892	0.022	0.028	51.9	0.036	19.7	0.020	-0.013	-32.0	0.024

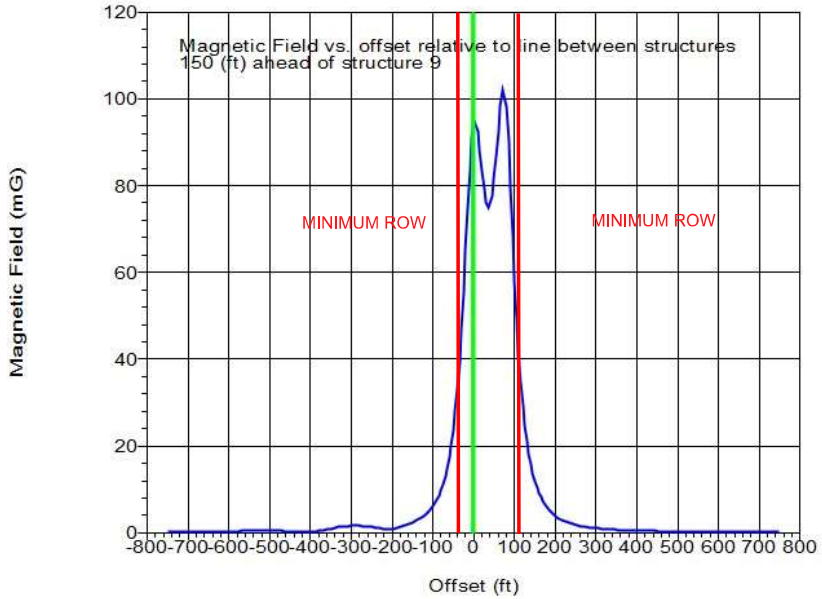
727144.4	1072511.9	522.0	19.709	13.664	34.7	23.982	9.1	1.908	0.022	0.028	51.9	0.036	20.6	0.021	-0.012	-30.7	0.024
727144.2	1072516.9	521.8	19.868	13.768	34.7	24.172	9.1	1.924	0.022	0.028	51.8	0.035	21.3	0.020	-0.012	-30.3	0.024
727144.0	1072521.9	521.6	20.016	13.864	34.7	24.349	9.2	1.938	0.021	0.027	51.7	0.035	21.9	0.020	-0.012	-30.8	0.023
727143.7	1072526.9	521.4	20.155	13.953	34.7	24.514	9.2	1.951	0.021	0.027	51.6	0.035	22.4	0.019	-0.012	-32.1	0.022
727143.5	1072531.9	521.3	20.284	14.036	34.7	24.667	9.2	1.963	0.021	0.027	51.4	0.034	22.8	0.018	-0.012	-34.4	0.022
727143.2	1072536.9	521.1	20.397	14.107	34.7	24.800	9.2	1.974	0.022	0.027	51.3	0.034	23.0	0.017	-0.013	-37.3	0.021
727143.0	1072541.8	520.9	20.502	14.173	34.7	24.923	9.2	1.983	0.022	0.027	51.1	0.035	23.0	0.015	-0.013	-41.3	0.020
727142.8	1072546.8	520.7	20.600	14.234	34.6	25.040	9.3	1.993	0.022	0.027	50.9	0.035	22.9	0.013	-0.014	-46.6	0.019
727142.5	1072551.8	520.5	20.691	14.290	34.6	25.146	9.3	2.001	0.022	0.027	50.7	0.035	22.7	0.011	-0.015	-53.1	0.019
727142.3	1072556.8	520.3	20.773	14.340	34.6	25.242	9.3	2.009	0.023	0.028	50.5	0.036	22.3	0.009	-0.016	-60.6	0.019
727142.0	1072561.8	520.1	20.837	14.377	34.6	25.316	9.3	2.015	0.023	0.028	50.4	0.036	21.8	0.007	-0.017	-68.3	0.019
727141.8	1072566.8	519.9	20.891	14.408	34.6	25.377	9.3	2.019	0.024	0.029	50.2	0.037	21.2	0.005	-0.019	-76.3	0.019
727141.6	1072571.8	519.7	20.936	14.432	34.6	25.428	9.3	2.023	0.024	0.029	50.1	0.038	20.5	0.002	-0.020	-84.1	0.020
727141.3	1072576.8	519.4	20.971	14.450	34.6	25.467	9.3	2.027	0.025	0.030	50.0	0.039	19.8	-0.001	-0.021	88.6	0.021
727141.1	1072581.8	519.2	20.994	14.459	34.6	25.491	9.3	2.029	0.026	0.030	49.9	0.040	19.0	-0.003	-0.023	82.2	0.023
727140.8	1072586.8	519.0	21.011	14.464	34.5	25.508	9.3	2.030	0.026	0.031	49.8	0.041	18.2	-0.006	-0.024	76.6	0.025
727140.6	1072591.8	518.8	21.019	14.463	34.5	25.514	9.3	2.030	0.027	0.032	49.7	0.042	17.5	-0.008	-0.026	71.8	0.027
727140.4	1072596.8	518.6	21.018	14.455	34.5	25.508	9.3	2.030	0.028	0.032	49.6	0.043	16.7	-0.011	-0.027	67.8	0.029
727140.1	1072601.8	518.4	21.007	14.440	34.5	25.492	9.3	2.029	0.028	0.033	49.5	0.044	16.0	-0.014	-0.028	64.5	0.031
727139.9	1072606.8	518.2	21.009	14.432	34.5	25.489	9.3	2.028	0.029	0.034	49.3	0.045	15.5	-0.016	-0.030	61.7	0.034
727139.7	1072611.8	518.0	20.995	14.414	34.5	25.467	9.3	2.027	0.030	0.035	49.2	0.046	14.9	-0.019	-0.032	59.4	0.037
727139.4	1072616.8	517.8	20.974	14.389	34.5	25.436	9.3	2.024	0.031	0.036	49.1	0.047	14.5	-0.021	-0.033	57.5	0.039
727139.2	1072621.8	517.6	20.948	14.361	34.4	25.398	9.2	2.021	0.031	0.036	49.0	0.048	14.1	-0.023	-0.035	55.9	0.042
727138.9	1072626.7	517.4	20.917	14.328	34.4	25.354	9.2	2.018	0.032	0.037	48.9	0.049	13.7	-0.025	-0.036	54.6	0.044
727138.7	1072631.7	517.2	20.879	14.291	34.4	25.301	9.2	2.013	0.032	0.037	48.9	0.049	13.4	-0.027	-0.037	53.5	0.046
727138.5	1072636.7	517.0	20.843	14.254	34.4	25.252	9.2	2.009	0.033	0.038	48.9	0.050	13.2	-0.029	-0.037	52.6	0.047
727138.2	1072641.7	516.8	20.812	14.222	34.3	25.207	9.2	2.006	0.033	0.038	49.0	0.050	13.0	-0.030	-0.038	51.8	0.048
727138.0	1072646.7	516.6	20.788	14.195	34.3	25.172	9.2	2.003	0.033	0.038	49.0	0.050	12.9	-0.031	-0.038	51.2	0.049
727137.7	1072651.7	516.4	20.772	14.176	34.3	25.148	9.2	2.001	0.033	0.038	49.1	0.050	12.9	-0.031	-0.038	50.6	0.049
727137.5	1072656.7	516.2	20.765	14.165	34.3	25.136	9.2	2.000	0.032	0.037	49.1	0.049	13.0	-0.032	-0.038	50.1	0.050
727137.3	1072661.7	516.0	20.766	14.161	34.3	25.135	9.2	2.000	0.032	0.037	49.2	0.049	13.1	-0.032	-0.038	49.6	0.050
727137.0	1072666.7	515.8	20.779	14.167	34.3	25.149	9.2	2.001	0.031	0.037	49.3	0.048	13.3	-0.032	-0.037	49.2	0.049
727136.8	1072671.7	515.6	20.802	14.181	34.3	25.176	9.2	2.003	0.031	0.036	49.4	0.047	13.6	-0.032	-0.037	48.9	0.049
727136.5	1072676.7	515.5	20.828	14.197	34.3	25.206	9.2	2.006	0.030	0.035	49.5	0.047	14.0	-0.032	-0.036	48.7	0.048
727136.3	1072681.7	515.3	20.852	14.212	34.3	25.235	9.2	2.008	0.029	0.035	49.7	0.046	14.4	-0.031	-0.035	48.5	0.047
727136.1	1072686.7	515.2	20.899	14.242	34.3	25.291	9.3	2.013	0.029	0.034	49.7	0.045	15.0	-0.031	-0.035	48.4	0.047
727135.8	1072691.7	515.0	20.942	14.269	34.3	25.341	9.3	2.017	0.028	0.033	49.7	0.044	15.7	-0.031	-0.035	48.4	0.046
727135.6	1072696.7	514.9	20.977	14.290	34.3	25.383	9.3	2.020	0.027	0.033	49.8	0.043	16.4	-0.030	-0.034	48.4	0.046
727135.3	1072701.7	514.8	21.005	14.306	34.3	25.414	9.3	2.022	0.027	0.032	49.9	0.042	17.2	-0.030	-0.033	48.5	0.045
727135.1	1072706.7	514.7	21.024	14.316	34.3	25.436	9.4	2.024	0.026	0.031	50.0	0.041	18.0	-0.029	-0.033	48.6	0.044
727134.9	1072711.6	514.6	21.034	14.319	34.2	25.446	9.4	2.025	0.025	0.030	50.2	0.040	18.8	-0.028	-0.032	48.7	0.043
727134.6	1072716.6	514.5	21.035	14.315	34.2	25.444	9.4	2.025	0.025	0.030	50.3	0.039	19.7	-0.028	-0.031	48.8	0.042
727134.4	1072721.6	514.4	21.032	14.309	34.2	25.438	9.4	2.024	0.024	0.029	50.4	0.038	20.7	-0.027	-0.031	48.9	0.041
727134.2	1072726.6	514.3	21.020	14.298	34.2	25.421	9.5	2.023	0.024	0.029	50.5	0.037	21.6	-0.026	-0.030	49.1	0.040
727133.9	1072731.6	514.1	20.992	14.275	34.2	25.386	9.5	2.020	0.023	0.028	50.6	0.036	22.6	-0.026	-0.030	49.2	0.040
727133.7	1072736.6	514.0	20.955	14.247	34.2	25.339	9.5	2.016	0.022	0.028	50.8	0.036	23.5	-0.025	-0.030	49.3	0.039
727133.4	1072741.6	513.9	20.908	14.211	34.2	25.280	9.5	2.012	0.022	0.027	51.0	0.035	24.4	-0.025	-0.029	49.4	0.038
727133.2	1072746.6	513.8	20.850	14.170	34.2	25.209	9.5	2.006	0.022	0.027	51.1	0.034	25.3	-0.025	-0.029	49.5	0.038
727133.0	1072751.6	513.7	20.782	14.121	34.2	25.126	9.5	1.999	0.021	0.026	51.3	0.034	26.2	-0.024	-0.029	49.5	0.038
727132.7	1072756.6	513.6	20.704	14.066	34.2	25.030	9.6	1.992	0.021	0.026	51.6	0.033	27.0	-0.024	-0.028	49.6	0.037
727132.5	1072761.6	513.5	20.616	14.005	34.2	24.923	9.6	1.983	0.020	0.026	51.8	0.033	27.7	-0.024	-0.028	49.6	0.037
727132.2	1072766.6	513.4	20.517	13.937	34.2	24.802	9.6	1.974	0.020	0.026	52.1	0.033	28.4	-0.024	-0.028	49.6	0.037
727132.0	1072771.6	513.3	20.411	13.865	34.2	24.675	9.6	1.964	0.020	0.026	52.4	0.033	29.0	-0.024	-0.028	49.7	0.037
727131.8	1072776.6	513.2	20.313	13.798	34.2	24.556	9.6	1.954	0.020	0.026	52.5	0.032	29.6	-0.024	-0.028	50.0	0.037
727131.5	1072781.6	513.1	20.202	13.724	34.2	24.423	9.7	1.943	0.020	0.026	52.7	0.032	30.2	-0.024	-0.028	50.3	0.037
727131.3	1072786.6	513.1	20.080	13.642	34.2	24.276	9.7	1.932	0.020	0.026	52.9	0.033	30.7	-0.023	-0.029	50.6	0.037
727131.0	1072791.6	513.0	19.946	13.553	34.2	24.115	9.7	1.919	0.020	0.026	53.1	0.033	31.1	-0.023	-0.029	51.0	0.037
727130.8	1072796.6	513.0	19.800	13.457	34.2	23.940	9.7	1.905	0.020	0.026	53.4	0.033	31.4	-0.023	-0.029	51.4	0.037
727130.6	1072801.5	512.9	19.641	13.353	34.2	23.750	9.8	1.890	0.019	0.027	53.8	0.033	31.6	-0.023	-0.029	51.9	0.037
727130.3	1072806.5	512.8	19.469	13.241	34.2	23.545	9.8	1.874	0.019	0.027	54.2	0.033	31.9	-0.023	-0.029	52.4	0.037
727130.1	1072811.5	512.8	19.285	13.121	34.2	23.325	9.9	1.856	0.019	0.027	54.6	0.033	32.1	-0.022	-0.029	53.0	0.037
727129.8	1072816.5	512.7	19.087	12.992	34.2	23.089	9.9	1.837	0.019	0.028	55.1	0.034	32.3	-0.022	-0.030	53.7	0.037
727129.6	1072821.5	512.7	18.876	12.855	34.3	22.838	10.0	1.817	0.019	0.028	55.6	0.034	32.6	-0.021	-0.030	54.5	0.037
727129.4	1072826.5	512.6	18.652	12.710	34.3	22.571	10.0	1.796	0.019	0.029	56.2	0.034	32.9	-0.021	-0.030	55.5	0.036
727129.1	1072831.5	512.5	18.417	12.556	34.3	22.290	10.1	1.774	0.019	0.029	56.9	0.035	33.4	-0.020	-0.030	56.6	0.036
727128.9	1072836.5	512.5	18.171	12.394	34.3	21.995	10.2	1.750	0.019	0.030	57.6	0.035	34.1	-0.019	-0.030	57.9	0.036
727128.7	1072841.5	512.4	17.917	12.225	34.3	21.690	10.4	1.726	0.019	0.030	58.4	0.035	35.0	-0.018	-0.031	59.4	0.036
727128.4	1072846.5	512.4	17.659	12.050	34.3	21.378	10.5	1.701	0.018	0.031	59.2	0.036	36.3	-0.017	-0.031	61.3	0.035
727128.2	1072851.5	512.3	17.405	11.872	34.3	21.069	10.7	1.677	0.018	0.031	60.0	0.036	38.1	-0.015	-0.031	63.7	0.035

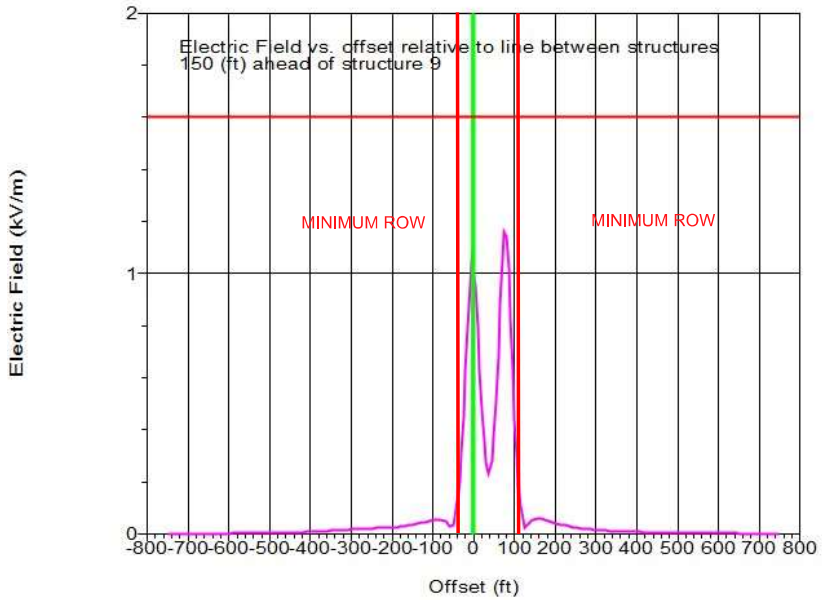
727127.9	1072856.5	512.3	17.171	11.701	34.3	20.779	10.9	1.654	0.018	0.032	60.5	0.037	40.7	-0.013	-0.031	66.8	0.034
727127.7	1072861.5	512.3	16.966	11.537	34.2	20.517	11.2	1.633	0.018	0.032	60.8	0.037	44.2	-0.011	-0.032	70.8	0.034
727127.5	1072866.5	512.3	16.800	11.384	34.1	20.293	11.4	1.615	0.018	0.033	60.7	0.038	48.7	-0.008	-0.032	75.9	0.033
727127.2	1072871.5	512.3	16.699	11.250	34.0	20.135	11.8	1.602	0.019	0.033	59.9	0.038	54.3	-0.004	-0.032	82.2	0.033
727127.0	1072876.5	512.3	16.698	11.152	33.7	20.079	12.1	1.598	0.021	0.034	58.4	0.039	60.7	-0.000	-0.032	89.9	0.032
727126.7	1072881.5	512.3	16.841	11.110	33.4	20.176	12.3	1.606	0.023	0.034	55.9	0.041	67.4	0.005	-0.032	-80.9	0.033
727126.5	1072886.4	512.3	17.186	11.153	33.0	20.488	12.5	1.630	0.026	0.034	52.6	0.043	72.3	0.011	-0.032	-70.9	0.034
727126.3	1072891.4	512.3	17.795	11.314	32.4	21.087	12.6	1.678	0.030	0.035	49.0	0.046	72.4	0.018	-0.032	-61.2	0.036
727126.0	1072896.4	512.2	18.734	11.641	31.9	22.056	12.3	1.755	0.035	0.036	45.5	0.050	68.9	0.024	-0.032	-52.9	0.040
727125.8	1072901.4	512.2	20.063	12.182	31.3	23.472	11.9	1.868	0.040	0.037	43.1	0.054	65.3	0.030	-0.032	-47.1	0.044
727125.5	1072906.4	512.2	21.823	12.986	30.8	25.395	11.2	2.021	0.043	0.040	42.5	0.059	64.4	0.034	-0.034	-44.8	0.048
727125.3	1072911.4	512.2	24.025	14.095	30.4	27.854	10.5	2.217	0.045	0.044	44.9	0.063	68.0	0.035	-0.038	-47.4	0.051
727125.1	1072916.4	512.2	26.642	15.532	30.2	30.839	9.7	2.454	0.043	0.053	50.9	0.068	73.2	0.029	-0.045	-57.5	0.054
727124.8	1072921.4	512.2	29.601	17.299	30.3	34.285	9.2	2.728	0.040	0.067	58.8	0.078	59.0	0.013	-0.058	-77.6	0.060
727124.6	1072926.4	512.1	32.771	19.362	30.6	38.063	8.7	3.029	0.051	0.090	60.4	0.103	34.4	-0.017	-0.080	77.8	0.082
727124.3	1072931.4	512.1	35.964	21.642	31.0	41.973	8.4	3.340	0.088	0.125	54.8	0.153	17.3	-0.065	-0.114	60.3	0.131
727124.1	1072936.4	512.1	38.936	24.007	31.7	45.742	8.2	3.640	0.149	0.174	49.4	0.229	8.3	-0.131	-0.162	51.1	0.208
727123.9	1072941.4	512.1	41.417	26.262	32.4	49.041	7.8	3.903	0.227	0.238	46.3	0.329	3.7	-0.211	-0.224	46.6	0.308
727123.6	1072946.4	512.1	43.151	28.173	33.1	51.534	7.3	4.101	0.312	0.312	44.9	0.441	1.5	-0.297	-0.295	44.8	0.419
727123.4	1072951.4	512.0	43.966	29.514	33.9	52.953	6.4	4.214	0.390	0.384	44.5	0.547	0.6	-0.376	-0.365	44.2	0.524
727123.2	1072956.4	512.0	43.827	30.140	34.5	53.190	5.5	4.233	0.448	0.442	44.6	0.629	0.4	-0.434	-0.422	44.2	0.605
727122.9	1072961.4	512.0	42.868	30.050	35.0	52.351	4.4	4.166	0.477	0.475	44.9	0.673	0.4	-0.464	-0.455	44.4	0.650
727122.7	1072966.4	512.0	41.357	29.392	35.4	50.737	3.4	4.038	0.478	0.480	45.1	0.678	0.3	-0.467	-0.462	44.7	0.657
727122.4	1072971.4	512.0	39.626	28.405	35.6	48.755	2.6	3.880	0.460	0.465	45.3	0.654	0.2	-0.451	-0.449	44.8	0.636
727122.2	1072976.3	511.9	37.996	27.351	35.7	46.816	2.2	3.726	0.432	0.438	45.4	0.615	0.2	-0.427	-0.426	44.9	0.603
727122.0	1072981.3	511.9	36.723	26.453	35.8	45.259	2.0	3.602	0.404	0.411	45.4	0.576	0.1	-0.403	-0.403	45.0	0.570
727121.7	1072986.3	511.9	35.987	25.876	35.7	44.324	2.1	3.527	0.384	0.390	45.4	0.548	0.0	-0.387	-0.387	45.0	0.548
727121.5	1072991.3	511.9	35.893	25.724	35.6	44.159	2.4	3.514	0.376	0.381	45.4	0.535	0.0	-0.383	-0.382	44.9	0.541
727121.2	1072996.3	511.9	36.485	26.040	35.5	44.825	2.9	3.567	0.381	0.384	45.3	0.541	0.1	-0.391	-0.389	44.9	0.551
727121.0	1073001.3	511.8	37.744	26.813	35.4	46.299	3.7	3.684	0.398	0.398	45.1	0.563	0.3	-0.410	-0.406	44.7	0.577
727120.8	1073006.3	511.8	39.582	27.969	35.2	48.467	4.7	3.857	0.422	0.419	44.8	0.595	0.5	-0.436	-0.427	44.4	0.610
727120.5	1073011.3	511.8	41.826	29.352	35.1	51.098	6.0	4.066	0.447	0.436	44.3	0.625	0.7	-0.461	-0.445	44.0	0.641
727120.3	1073016.3	511.8	44.199	30.722	34.8	53.828	7.5	4.283	0.462	0.440	43.6	0.638	1.0	-0.475	-0.448	43.3	0.652
727120.0	1073021.3	511.8	46.329	31.756	34.4	56.168	9.2	4.470	0.451	0.416	42.7	0.614	1.3	-0.462	-0.422	42.4	0.626
727119.8	1073026.3	511.8	47.797	32.114	33.9	57.583	10.8	4.582	0.405	0.359	41.5	0.541	1.4	-0.412	-0.362	41.2	0.549
727119.6	1073031.3	511.7	48.238	31.550	33.2	57.639	12.2	4.587	0.318	0.271	40.4	0.418	0.9	-0.322	-0.272	40.2	0.421
727119.3	1073036.3	511.7	47.450	30.024	32.3	56.151	13.1	4.468	0.203	0.171	40.1	0.266	1.7	-0.200	-0.169	40.2	0.261
727119.1	1073041.3	511.7	45.451	27.716	31.4	53.235	13.4	4.236	0.095	0.081	40.7	0.125	16.8	-0.065	-0.074	48.4	0.098
727118.8	1073046.3	511.7	42.465	24.947	30.4	49.251	13.1	3.919	0.106	0.039	20.4	0.113	16.9	0.058	-0.000	-0.1	0.058
727118.6	1073051.3	511.7	38.832	22.042	29.6	44.652	12.3	3.553	0.186	0.064	18.9	0.196	2.5	0.154	0.047	17.1	0.161
727118.4	1073056.3	511.7	34.895	19.232	28.9	39.844	11.3	3.171	0.242	0.084	19.1	0.256	0.3	0.214	0.072	18.5	0.226
727118.1	1073061.2	511.6	30.952	16.659	28.3	35.150	10.1	2.797	0.269	0.090	18.6	0.284	0.6	0.243	0.080	18.3	0.256
727117.9	1073066.2	511.6	27.215	14.384	27.9	30.782	8.9	2.450	0.272	0.088	18.0	0.285	0.6	0.247	0.079	17.7	0.260
727117.6	1073071.2	511.6	23.802	12.412	27.5	26.844	7.8	2.136	0.258	0.081	17.4	0.271	0.5	0.236	0.073	17.2	0.248
727117.4	1073076.2	511.6	20.753	10.720	27.3	23.358	6.8	1.859	0.236	0.072	17.0	0.247	0.4	0.217	0.065	16.7	0.227
727117.2	1073081.2	511.6	18.075	9.279	27.2	20.317	5.9	1.617	0.211	0.063	16.6	0.220	0.3	0.194	0.057	16.4	0.202
727116.9	1073086.2	511.6	15.747	8.055	27.1	17.688	5.2	1.408	0.186	0.054	16.3	0.194	0.3	0.171	0.049	16.1	0.178
727116.7	1073091.2	511.6	13.739	7.015	27.0	15.427	4.5	1.228	0.162	0.047	16.1	0.169	0.2	0.149	0.042	15.8	0.155
727116.5	1073096.2	511.6	12.013	6.133	27.0	13.488	4.0	1.073	0.141	0.040	15.9	0.147	0.2	0.129	0.036	15.7	0.134
727116.2	1073101.2	511.6	10.532	5.382	27.1	11.828	3.5	0.941	0.123	0.035	15.8	0.127	0.1	0.112	0.031	15.5	0.116
727116.0	1073106.2	511.6	9.262	4.742	27.1	10.406	3.1	0.828	0.107	0.030	15.7	0.111	0.1	0.097	0.027	15.4	0.101
727115.7	1073111.2	511.6	8.173	4.195	27.2	9.187	2.8	0.731	0.093	0.026	15.6	0.097	0.1	0.084	0.023	15.3	0.087
727115.5	1073116.2	511.6	7.237	3.725	27.2	8.139	2.5	0.648	0.081	0.023	15.5	0.085	0.1	0.073	0.020	15.2	0.076
727115.3	1073121.2	511.6	6.431	3.321	27.3	7.238	2.3	0.576	0.072	0.020	15.4	0.074	0.1	0.064	0.017	15.1	0.066
727115.0	1073126.2	511.6	5.735	2.972	27.4	6.459	2.0	0.514	0.063	0.017	15.4	0.066	0.1	0.056	0.015	15.0	0.058
727114.8	1073131.2	511.6	5.132	2.669	27.5	5.784	1.9	0.460	0.056	0.015	15.3	0.058	0.1	0.050	0.013	14.9	0.051
727114.5	1073136.2	511.6	4.608	2.405	27.6	5.198	1.7	0.414	0.050	0.014	15.3	0.052	0.1	0.044	0.012	14.8	0.045
727114.3	1073141.2	511.6	4.152	2.175	27.6	4.687	1.5	0.373	0.045	0.012	15.2	0.046	0.1	0.039	0.010	14.8	0.040
727114.1	1073146.2	511.6	3.754	1.973	27.7	4.241	1.4	0.337	0.040	0.011	15.2	0.041	0.1	0.034	0.009	14.7	0.036
727113.8	1073151.1	511.6	3.404	1.796	27.8	3.849	1.3	0.306	0.036	0.010	15.2	0.037	0.1	0.031	0.008	14.6	0.032
727113.6	1073156.1	511.6	3.097	1.639	27.9	3.504	1.2	0.279	0.033	0.009	15.1	0.034	0.1	0.027	0.007	14.6	0.028
727113.3	1073161.1	511.6	2.826	1.501	28.0	3.200	1.1	0.255	0.030	0.008	15.1	0.031	0.1	0.025	0.006	14.5	0.026
727113.1	1073166.1	511.6	2.586	1.378	28.0	2.930	1.0	0.233	0.027	0.007	15.1	0.028	0.1	0.022	0.006	14.4	0.023
727112.9	1073171.1	511.6	2.373	1.268	28.1	2.691	1.0	0.214	0.025	0.007	15.1	0.026	0.1	0.020	0.005	14.4	0.021
727112.6	1073176.1	511.6	2.183	1.170	28.2	2.477	0.9	0.197	0.023	0.006	15.0	0.024	0.1	0.018	0.005	14.3	0.019
727112.4	1073181.1	511.6	2.013	1.082	28.3	2.285	0.9	0.182	0.021	0.006	15.0	0.022	0.1	0.017	0.004	14.2	0.017
727112.1	1073186.1	511.6	1.861	1.003	28.3	2.114	0.8	0.168	0.019	0.005	15.0	0.020	0.1	0.015	0.004	14.2	0.016
727111.9	1073191.1	511.6	1.724	0.932	28.4	1.960	0.8	0.156	0.018	0.005	15.0	0.018	0.1	0.014	0.004	14.1	0.015
727111.7	1073196.1	511.6	1.601	0.867	28.5	1.821	0.7	0.145	0.017	0.004	15.0	0.017	0.1	0.013	0.003	14.1	0.013

727111.4	1073201.1	511.6	1.489	0.809	28.5	1.695	0.7	0.135	0.015	0.004	15.0	0.016	0.1	0.012	0.003	14.0	0.012
727111.2	1073206.1	511.6	1.388	0.756	28.6	1.581	0.7	0.126	0.014	0.004	15.0	0.015	0.1	0.011	0.003	14.0	0.011
727111.0	1073211.1	511.6	1.297	0.708	28.6	1.477	0.7	0.118	0.013	0.004	14.9	0.014	0.1	0.010	0.003	13.9	0.010
727110.7	1073216.1	511.5	1.213	0.664	28.7	1.383	0.6	0.110	0.013	0.003	14.9	0.013	0.1	0.009	0.002	13.8	0.010
727110.5	1073221.1	511.5	1.137	0.623	28.7	1.297	0.6	0.103	0.012	0.003	14.9	0.012	0.1	0.009	0.002	13.8	0.009
727110.2	1073226.1	511.5	1.067	0.586	28.8	1.218	0.6	0.097	0.011	0.003	14.9	0.011	0.1	0.008	0.002	13.7	0.008
727110.0	1073231.1	511.5	1.004	0.552	28.8	1.146	0.6	0.091	0.010	0.003	14.9	0.011	0.1	0.007	0.002	13.6	0.008
727109.8	1073236.0	511.5	0.945	0.521	28.9	1.079	0.6	0.086	0.010	0.003	14.9	0.010	0.1	0.007	0.002	13.6	0.007
727109.5	1073241.0	511.4	0.891	0.492	28.9	1.018	0.6	0.081	0.009	0.002	14.9	0.010	0.1	0.006	0.002	13.5	0.006
727109.3	1073246.0	511.4	0.842	0.466	29.0	0.962	0.6	0.077	0.009	0.002	14.9	0.009	0.1	0.006	0.001	13.5	0.006
727109.0	1073251.0	511.4	0.796	0.441	29.0	0.910	0.6	0.072	0.008	0.002	14.9	0.009	0.1	0.006	0.001	13.4	0.006
727108.8	1073256.0	511.4	0.753	0.418	29.0	0.862	0.6	0.069	0.008	0.002	14.9	0.008	0.1	0.005	0.001	13.3	0.005
727108.6	1073261.0	511.4	0.714	0.397	29.1	0.817	0.6	0.065	0.007	0.002	14.9	0.008	0.1	0.005	0.001	13.3	0.005
727108.3	1073266.0	511.4	0.678	0.377	29.1	0.776	0.6	0.062	0.007	0.002	14.9	0.007	0.1	0.005	0.001	13.2	0.005
727108.1	1073271.0	511.4	0.644	0.359	29.1	0.737	0.6	0.059	0.007	0.002	14.9	0.007	0.1	0.004	0.001	13.2	0.004
727107.8	1073276.0	511.4	0.612	0.342	29.2	0.701	0.6	0.056	0.006	0.002	15.0	0.007	0.1	0.004	0.001	13.1	0.004
727107.6	1073281.0	511.4	0.583	0.326	29.2	0.668	0.7	0.053	0.006	0.002	15.0	0.006	0.1	0.004	0.001	13.0	0.004
727107.4	1073286.0	511.4	0.555	0.311	29.2	0.636	0.7	0.051	0.006	0.002	15.0	0.006	0.1	0.004	0.001	13.0	0.004
727107.1	1073291.0	511.4	0.530	0.297	29.3	0.607	0.7	0.048	0.006	0.001	15.0	0.006	0.1	0.003	0.001	12.9	0.003
727106.9	1073296.0	511.4	0.506	0.284	29.3	0.580	0.7	0.046	0.005	0.001	15.0	0.005	0.1	0.003	0.001	12.9	0.003
727106.6	1073301.0	511.3	0.483	0.271	29.3	0.554	0.7	0.044	0.005	0.001	15.0	0.005	0.1	0.003	0.001	12.8	0.003
727106.4	1073306.0	511.3	0.462	0.260	29.4	0.530	0.7	0.042	0.005	0.001	15.0	0.005	0.1	0.003	0.001	12.7	0.003
727106.2	1073311.0	511.3	0.442	0.249	29.4	0.507	0.7	0.040	0.005	0.001	15.0	0.005	0.1	0.003	0.001	12.7	0.003
727105.9	1073316.0	511.3	0.423	0.239	29.4	0.486	0.7	0.039	0.004	0.001	15.0	0.005	0.1	0.002	0.001	12.6	0.003
727105.7	1073321.0	511.3	0.406	0.229	29.4	0.466	0.7	0.037	0.004	0.001	15.1	0.004	0.1	0.002	0.001	12.5	0.002
727105.5	1073325.9	511.3	0.389	0.220	29.4	0.447	0.8	0.036	0.004	0.001	15.1	0.004	0.1	0.002	0.000	12.4	0.002
727105.2	1073330.9	511.3	0.373	0.211	29.5	0.429	0.8	0.034	0.004	0.001	15.1	0.004	0.1	0.002	0.000	12.4	0.002
727105.0	1073335.9	511.3	0.359	0.203	29.5	0.412	0.8	0.033	0.004	0.001	15.1	0.004	0.1	0.002	0.000	12.3	0.002
727104.7	1073340.9	511.3	0.345	0.195	29.5	0.396	0.8	0.032	0.004	0.001	15.1	0.004	0.1	0.002	0.000	12.2	0.002
727104.5	1073345.9	511.2	0.331	0.188	29.5	0.381	0.8	0.030	0.004	0.001	15.1	0.004	0.1	0.002	0.000	12.1	0.002
727104.3	1073350.9	511.2	0.319	0.181	29.6	0.367	0.8	0.029	0.003	0.001	15.1	0.004	0.1	0.002	0.000	12.0	0.002
727104.0	1073355.9	511.2	0.307	0.174	29.6	0.353	0.8	0.028	0.003	0.001	15.2	0.003	0.1	0.002	0.000	11.9	0.002
727103.8	1073360.9	511.2	0.296	0.168	29.6	0.340	0.8	0.027	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.8	0.001
727103.5	1073365.9	511.2	0.285	0.162	29.6	0.328	0.9	0.026	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.7	0.001
727103.3	1073370.9	511.2	0.275	0.156	29.6	0.316	0.9	0.025	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.6	0.001
727103.1	1073375.9	511.1	0.265	0.151	29.6	0.305	0.9	0.024	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.5	0.001
727102.8	1073380.9	511.1	0.256	0.146	29.7	0.294	0.9	0.023	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.3	0.001
727102.6	1073385.9	511.1	0.247	0.141	29.7	0.284	0.9	0.023	0.003	0.001	15.2	0.003	0.1	0.001	0.000	11.2	0.001
727102.3	1073390.9	511.1	0.239	0.136	29.7	0.275	0.9	0.022	0.003	0.001	15.3	0.003	0.1	0.001	0.000	11.1	0.001
727102.1	1073395.9	511.1	0.231	0.132	29.7	0.266	0.9	0.021	0.002	0.001	15.0	0.002	0.1	0.001	0.000	12.7	0.001
727101.9	1073400.9	511.1	0.222	0.127	29.7	0.256	0.4	0.020	0.002	0.001	14.7	0.002	0.0	0.001	0.000	14.1	0.001
727101.6	1073405.9	511.0	0.215	0.123	29.7	0.247	0.4	0.020	0.002	0.001	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727101.4	1073410.8	511.0	0.208	0.119	29.7	0.239	0.4	0.019	0.002	0.001	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727101.1	1073415.8	511.0	0.201	0.115	29.7	0.232	0.4	0.018	0.002	0.001	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727100.9	1073420.8	511.0	0.195	0.111	29.8	0.224	0.4	0.018	0.002	0.001	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727100.7	1073425.8	510.9	0.189	0.108	29.8	0.217	0.4	0.017	0.002	0.000	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727100.4	1073430.8	510.9	0.183	0.105	29.8	0.211	0.4	0.017	0.002	0.000	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727100.2	1073435.8	510.9	0.177	0.102	29.8	0.204	0.4	0.016	0.002	0.000	14.7	0.002	0.0	0.001	0.000	14.0	0.001
727100.0	1073440.8	510.9	0.172	0.099	29.8	0.198	0.4	0.016	0.002	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727099.7	1073445.8	510.9	0.167	0.096	29.8	0.192	0.4	0.015	0.002	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727099.5	1073450.8	510.8	0.162	0.093	29.8	0.187	0.4	0.015	0.002	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727099.2	1073455.8	510.8	0.157	0.090	29.8	0.181	0.4	0.014	0.002	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727099.0	1073460.8	510.8	0.153	0.088	29.8	0.176	0.4	0.014	0.001	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727098.8	1073465.8	510.8	0.148	0.085	29.8	0.171	0.4	0.014	0.001	0.000	14.8	0.002	0.0	0.001	0.000	14.0	0.001
727098.5	1073470.8	510.8	0.144	0.083	29.9	0.166	0.4	0.013	0.001	0.000	14.8	0.001	0.0	0.001	0.000	14.0	0.001
727098.3	1073475.8	510.8	0.140	0.080	29.9	0.161	0.4	0.013	0.001	0.000	14.8	0.001	0.0	0.001	0.000	14.0	0.001
727098.0	1073480.8	510.7	0.136	0.078	29.9	0.157	0.4	0.012	0.001	0.000	14.8	0.001	0.0	0.001	0.000	14.0	0.001
727097.8	1073485.8	510.7	0.132	0.076	29.9	0.153	0.4	0.012	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727097.6	1073490.8	510.7	0.129	0.074	29.9	0.149	0.4	0.012	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727097.3	1073495.8	510.7	0.125	0.072	29.9	0.145	0.4	0.012	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727097.1	1073500.7	510.7	0.122	0.070	29.9	0.141	0.4	0.011	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727096.8	1073505.7	510.6	0.119	0.068	29.9	0.137	0.4	0.011	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727096.6	1073510.7	510.6	0.116	0.067	29.9	0.133	0.4	0.011	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727096.4	1073515.7	510.6	0.113	0.065	29.9	0.130	0.4	0.010	0.001	0.000	14.9	0.001	0.0	0.001	0.000	13.9	0.001
727096.1	1073520.7	510.6	0.110	0.063	29.9	0.127	0.4	0.010	0.001	0.000	14.9	0.001	0.0	0.000	0.000	13.9	0.000
727095.9	1073525.7	510.6	0.107	0.062	29.9	0.123	0.4	0.010	0.001	0.000	14.9	0.001	0.0	0.000	0.000	13.8	0.000
727095.6	1073530.7	510.5	0.104	0.060	29.9	0.120	0.4	0.010	0.001	0.000	14.9	0.001	0.0	0.000	0.000	13.8	0.000
727095.4	1073535.7	510.5	0.102	0.059	29.9	0.117	0.4	0.009	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.8	0.000
727095.2	1073540.7	510.5	0.099	0.057	29.9	0.114	0.4	0.009	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.8	0.000

727094.9	1073545.7	510.5	0.097	0.056	30.0	0.112	0.4	0.009	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.8	0.000
727094.7	1073550.7	510.5	0.094	0.054	30.0	0.109	0.4	0.009	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.8	0.000
727094.5	1073555.7	510.4	0.092	0.053	30.0	0.106	0.3	0.008	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.8	0.000
727094.2	1073560.7	510.4	0.090	0.052	30.0	0.104	0.3	0.008	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.7	0.000
727094.0	1073565.7	510.4	0.088	0.051	30.0	0.101	0.3	0.008	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.7	0.000
727093.7	1073570.7	510.4	0.086	0.049	30.0	0.099	0.3	0.008	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.7	0.000
727093.5	1073575.7	510.4	0.084	0.048	30.0	0.096	0.3	0.008	0.001	0.000	15.0	0.001	0.0	0.000	0.000	13.7	0.000
727093.3	1073580.7	510.4	0.082	0.047	30.0	0.094	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.7	0.000
727093.0	1073585.6	510.4	0.080	0.046	30.0	0.092	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.7	0.000
727092.8	1073590.6	510.4	0.078	0.045	30.0	0.090	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.7	0.000
727092.5	1073595.6	510.3	0.076	0.044	30.0	0.088	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727092.3	1073600.6	510.3	0.074	0.043	30.0	0.086	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727092.1	1073605.6	510.3	0.073	0.042	30.0	0.084	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727091.8	1073610.6	510.3	0.071	0.041	30.0	0.082	0.3	0.007	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727091.6	1073615.6	510.3	0.070	0.040	30.0	0.080	0.3	0.006	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727091.3	1073620.6	510.3	0.068	0.039	30.0	0.079	0.3	0.006	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727091.1	1073625.6	510.3	0.067	0.038	30.0	0.077	0.3	0.006	0.001	0.000	15.1	0.001	0.0	0.000	0.000	13.6	0.000
727090.9	1073630.6	510.3	0.065	0.038	30.0	0.075	0.3	0.006	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727090.6	1073635.6	510.3	0.064	0.037	30.0	0.074	0.3	0.006	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727090.4	1073640.6	510.3	0.062	0.036	30.0	0.072	0.3	0.006	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727090.1	1073645.6	510.3	0.061	0.035	30.0	0.070	0.3	0.006	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727089.9	1073650.6	510.3	0.060	0.035	30.0	0.069	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727089.7	1073655.6	510.3	0.058	0.034	30.0	0.068	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727089.4	1073660.6	510.3	0.057	0.033	30.0	0.066	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727089.2	1073665.6	510.3	0.056	0.032	30.0	0.065	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.6	0.000
727088.9	1073670.6	510.3	0.055	0.032	30.0	0.063	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.5	0.000
727088.7	1073675.5	510.3	0.054	0.031	30.0	0.062	0.3	0.005	0.001	0.000	15.2	0.001	0.0	0.000	0.000	13.5	0.000
727088.5	1073680.5	510.3	0.035	0.020	29.8	0.040	0.5	0.003	0.001	0.000	16.8	0.001	0.0	0.000	0.000	14.7	0.000
727088.2	1073685.5	510.3	0.034	0.020	29.8	0.040	0.5	0.003	0.001	0.000	16.8	0.001	0.0	0.000	0.000	14.7	0.000
727088.0	1073690.5	510.3	0.034	0.019	29.8	0.039	0.5	0.003	0.001	0.000	16.8	0.001	0.0	0.000	0.000	14.6	0.000
727087.8	1073695.5	510.2	0.033	0.019	29.8	0.038	0.5	0.003	0.001	0.000	16.8	0.001	0.0	0.000	0.000	14.6	0.000
727087.5	1073700.5	510.2	0.067	0.042	32.0	0.079	1.5	0.006	0.000	0.000	17.7	0.000	0.0	0.000	0.000	16.0	0.000

Mid-span cross section results between structures 9 and 10


Magnetic Field vs. offset relative to line between structures
150 (ft) ahead of structure 9
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
120
100
80
60
40
20
0
-800-700-600-500-400-300-200-100 0 100 200 300 400 500 600 700 800
Offset (ft)


Electric Field vs. offset relative to line between structures
150 (ft) ahead of structure 9
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
2
1
0
-800-700-600-500-400-300-200-100 0 100 200 300 400 500 600 700 800
Offset (ft)

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 727830.0-727825.0= 5ft in X direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 9 to 10:

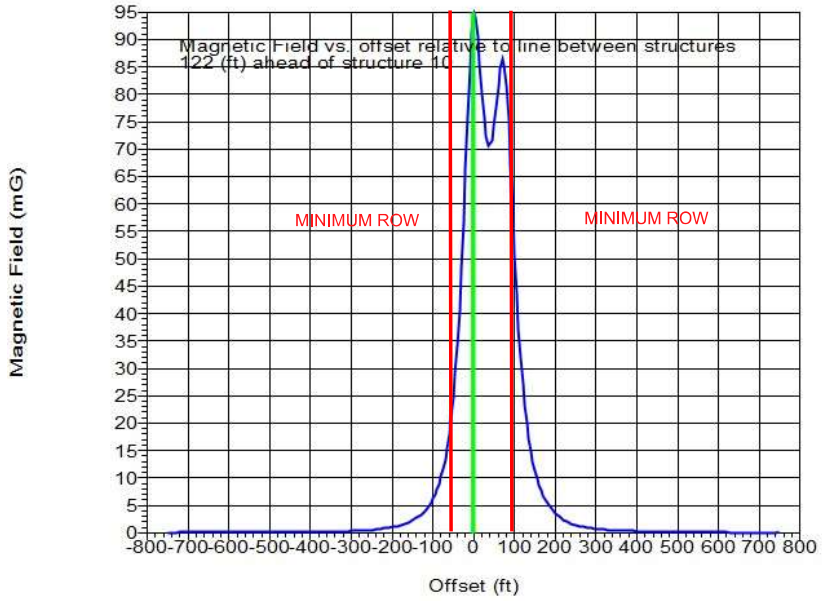
Measurement			B					H	E				Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
727830.0	1072827.9	523.3	0.213	0.122	29.9	0.246	0.5	0.020	0.000	0.000	12.4	0.000	2.5	0.000	-0.000	-14.5	0.000
727825.0	1072827.8	523.3	0.220	0.126	29.8	0.254	0.5	0.020	0.000	0.000	9.7	0.000	0.6	0.001	0.000	9.0	0.001
727820.0	1072827.6	523.3	0.224	0.128	29.8	0.258	0.5	0.021	0.000	0.000	9.7	0.000	0.6	0.001	0.000	9.0	0.001
727815.0	1072827.4	523.3	0.227	0.130	29.8	0.261	0.5	0.021	0.000	0.000	9.7	0.000	0.6	0.001	0.000	9.0	0.002
727810.0	1072827.2	523.2	0.236	0.135	29.8	0.272	0.9	0.022	0.001	0.000	13.3	0.001	0.4	0.002	0.000	11.1	0.002
727805.0	1072827.0	523.2	0.240	0.137	29.8	0.276	0.9	0.022	0.001	0.000	13.3	0.001	0.4	0.002	0.000	11.1	0.002
727800.0	1072826.8	523.1	0.243	0.139	29.8	0.280	0.9	0.022	0.001	0.000	13.3	0.001	0.5	0.002	0.000	11.0	0.002
727795.0	1072826.6	523.1	0.247	0.141	29.7	0.284	0.9	0.023	0.001	0.000	13.3	0.001	0.5	0.002	0.000	11.0	0.002
727790.0	1072826.4	523.0	0.251	0.143	29.7	0.289	0.9	0.023	0.001	0.000	13.3	0.001	0.5	0.002	0.000	11.0	0.002
727785.0	1072826.2	523.0	0.255	0.145	29.7	0.293	0.9	0.023	0.001	0.000	13.3	0.001	0.5	0.002	0.000	11.0	0.002
727780.0	1072826.1	522.9	0.258	0.148	29.7	0.298	0.9	0.024	0.001	0.000	13.3	0.001	0.5	0.002	0.000	10.9	0.002
727775.0	1072825.9	522.9	0.262	0.150	29.7	0.302	0.9	0.024	0.001	0.000	13.2	0.001	0.5	0.002	0.000	10.9	0.002
727770.0	1072825.7	522.9	0.266	0.152	29.7	0.307	0.9	0.024	0.001	0.000	13.2	0.001	0.5	0.002	0.000	10.9	0.002
727765.0	1072825.5	522.8	0.271	0.154	29.7	0.311	0.9	0.025	0.001	0.000	13.2	0.001	0.5	0.002	0.000	10.9	0.002
727760.0	1072825.3	522.8	0.275	0.157	29.7	0.316	0.9	0.025	0.001	0.000	13.2	0.001	0.5	0.002	0.000	10.9	0.002
727755.0	1072825.1	522.8	0.269	0.153	29.7	0.310	0.9	0.025	0.001	0.000	15.5	0.001	0.4	0.003	0.001	14.3	0.004
727750.0	1072824.9	522.7	0.273	0.156	29.7	0.314	0.9	0.025	0.001	0.000	15.4	0.001	0.4	0.004	0.001	14.3	0.004
727745.0	1072824.7	522.7	0.277	0.158	29.7	0.319	0.9	0.025	0.001	0.000	15.4	0.001	0.4	0.004	0.001	14.3	0.004
727740.0	1072824.5	522.7	0.278	0.159	29.7	0.320	0.9	0.025	0.001	0.000	16.1	0.001	0.3	0.004	0.001	14.7	0.004
727735.0	1072824.3	522.7	0.282	0.161	29.7	0.324	0.9	0.026	0.001	0.000	16.1	0.001	0.3	0.004	0.001	14.7	0.004
727730.0	1072824.2	522.6	0.286	0.163	29.7	0.329	0.9	0.026	0.001	0.000	16.0	0.001	0.4	0.004	0.001	14.7	0.004
727725.0	1072824.0	522.6	0.290	0.165	29.7	0.334	0.9	0.027	0.001	0.000	16.0	0.001	0.4	0.004	0.001	14.7	0.004
727720.1	1072823.8	522.6	0.294	0.168	29.7	0.339	0.9	0.027	0.001	0.000	16.0	0.001	0.4	0.004	0.001	14.7	0.004
727715.1	1072823.6	522.5	0.299	0.170	29.7	0.344	0.9	0.027	0.001	0.000	16.0	0.001	0.4	0.004	0.001	14.7	0.005
727710.1	1072823.4	522.5	0.303	0.172	29.6	0.349	0.9	0.028	0.001	0.000	16.0	0.001	0.4	0.004	0.001	14.6	0.005
727705.1	1072823.2	522.5	0.307	0.175	29.6	0.354	0.9	0.028	0.001	0.000	16.0	0.002	0.4	0.005	0.001	14.6	0.005
727700.1	1072823.0	522.4	0.312	0.177	29.6	0.359	0.9	0.029	0.002	0.000	16.0	0.002	0.4	0.005	0.001	14.6	0.005
727695.1	1072822.8	522.4	0.316	0.180	29.6	0.364	0.9	0.029	0.002	0.000	16.0	0.002	0.4	0.005	0.001	14.6	0.005
727690.1	1072822.6	522.4	0.321	0.182	29.6	0.369	0.9	0.029	0.002	0.000	16.0	0.002	0.4	0.005	0.001	14.6	0.005
727685.1	1072822.5	522.4	0.325	0.184	29.6	0.374	0.9	0.030	0.002	0.000	16.0	0.002	0.4	0.005	0.001	14.6	0.005
727680.1	1072822.3	522.3	0.330	0.187	29.5	0.379	0.9	0.030	0.002	0.000	15.9	0.002	0.4	0.005	0.001	14.6	0.005
727675.1	1072822.1	522.3	0.334	0.189	29.5	0.384	0.9	0.031	0.002	0.000	15.9	0.002	0.4	0.005	0.001	14.6	0.005
727670.1	1072821.9	522.2	0.339	0.192	29.5	0.389	0.9	0.031	0.002	0.001	15.9	0.002	0.4	0.005	0.001	14.5	0.006
727665.1	1072821.7	522.1	0.343	0.194	29.5	0.394	0.9	0.031	0.002	0.001	15.9	0.002	0.4	0.005	0.001	14.5	0.006
727660.1	1072821.5	522.0	0.347	0.196	29.5	0.399	0.9	0.032	0.002	0.001	15.9	0.002	0.4	0.006	0.001	14.5	0.006
727655.1	1072821.3	521.9	0.352	0.198	29.4	0.404	0.9	0.032	0.002	0.001	15.9	0.002	0.4	0.006	0.001	14.5	0.006
727650.1	1072821.1	521.8	0.356	0.201	29.4	0.409	0.9	0.033	0.002	0.001	15.9	0.002	0.4	0.006	0.001	14.5	0.006
727645.1	1072820.9	521.7	0.360	0.203	29.4	0.413	0.9	0.033	0.002	0.001	15.9	0.002	0.4	0.006	0.002	14.5	0.006
727640.1	1072820.7	521.6	0.364	0.205	29.4	0.418	0.9	0.033	0.002	0.001	15.9	0.002	0.4	0.006	0.002	14.5	0.006
727635.1	1072820.6	521.5	0.368	0.207	29.3	0.422	0.9	0.034	0.002	0.001	15.9	0.002	0.4	0.006	0.002	14.5	0.006
727630.1	1072820.4	521.4	0.371	0.208	29.3	0.426	0.9	0.034	0.002	0.001	16.0	0.002	0.4	0.006	0.002	14.5	0.006
727625.1	1072820.2	521.3	0.375	0.210	29.3	0.429	0.9	0.034	0.002	0.001	16.0	0.002	0.4	0.006	0.002	14.5	0.007
727620.1	1072820.0	521.1	0.378	0.211	29.2	0.433	0.9	0.034	0.002	0.001	16.0	0.002	0.4	0.006	0.002	14.5	0.007
727615.1	1072819.8	521.0	0.380	0.213	29.2	0.436	1.0	0.035	0.002	0.001	16.0	0.003	0.4	0.007	0.002	14.5	0.007
727610.1	1072819.6	520.9	0.383	0.214	29.2	0.438	1.0	0.035	0.003	0.001	16.0	0.003	0.4	0.007	0.002	14.5	0.007
727605.1	1072819.4	520.8	0.385	0.214	29.1	0.440	1.0	0.035	0.003	0.001	16.0	0.003	0.4	0.007	0.002	14.5	0.007
727600.1	1072819.2	520.6	0.386	0.215	29.1	0.442	1.0	0.035	0.003	0.001	16.1	0.003	0.4	0.007	0.002	14.5	0.007
727595.1	1072819.0	520.5	0.387	0.215	29.0	0.443	1.0	0.035	0.003	0.001	16.1	0.003	0.4	0.007	0.002	14.5	0.007
727590.1	1072818.9	520.4	0.387	0.215	29.0	0.443	1.1	0.035	0.003	0.001	16.1	0.003	0.4	0.007	0.002	14.6	0.008
727585.1	1072818.7	520.3	0.387	0.214	29.0	0.442	1.1	0.035	0.003	0.001	16.1	0.003	0.4	0.007	0.002	14.6	0.008
727580.2	1072818.5	520.1	0.385	0.213	28.9	0.440	1.1	0.035	0.003	0.001	16.2	0.003	0.4	0.008	0.002	14.6	0.008
727575.2	1072818.3	520.0	0.383	0.211	28.9	0.438	1.2	0.035	0.003	0.001	16.2	0.003	0.4	0.008	0.002	14.6	0.008
727570.2	1072818.1	519.9	0.380	0.209	28.8	0.434	1.2	0.035	0.003	0.001	16.2	0.003	0.4	0.008	0.002	14.7	0.008
727565.2	1072817.9	519.8	0.376	0.206	28.8	0.429	1.3	0.034	0.003	0.001	16.3	0.004	0.4	0.008	0.002	14.7	0.008
727560.2	1072817.7	519.6	0.371	0.203	28.7	0.423	1.3	0.034	0.004	0.001	16.3	0.004	0.3	0.008	0.002	14.8	0.009
727555.2	1072817.5	519.5	0.364	0.199	28.6	0.415	1.4	0.033	0.004	0.001	16.4	0.004	0.3	0.009	0.002	14.8	0.009
727550.2	1072817.3	519.4	0.356	0.194	28.6	0.405	1.5	0.032	0.004	0.001	16.4	0.004	0.3	0.009	0.002	14.9	0.009
727545.2	1072817.1	519.2	0.346	0.188	28.5	0.394	1.6	0.031	0.004	0.001	16.5	0.004	0.3	0.009	0.002	14.9	0.009
727540.2	1072817.0	519.1	0.335	0.181	28.4	0.381	1.7	0.030	0.004	0.001	16.5	0.004	0.3	0.009	0.002	15.0	0.010
727535.2	1072816.8	519.0	0.322	0.174	28.4	0.366	1.8	0.029	0.004	0.001	16.6	0.005	0.3	0.010	0.003	15.0	0.010
727530.2	1072816.6	518.9	0.307	0.165	28.3	0.349	2.0	0.028	0.005	0.001	16.6	0.005	0.3	0.010	0.003	15.1	0.010
727525.2	1072816.4	518.7	0.291	0.156	28.2	0.330	2.2	0.026	0.005	0.001	16.7	0.005	0.3	0.010	0.003	15.2	0.011

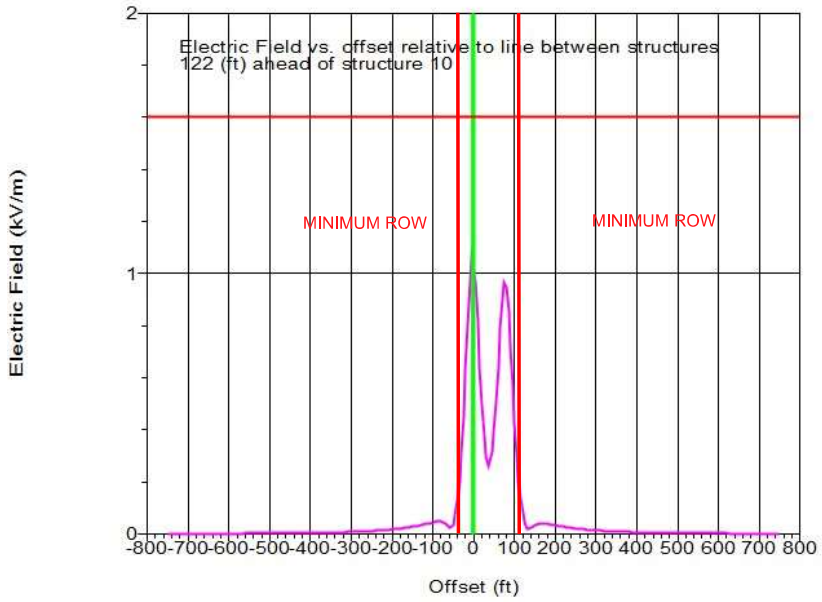
727520.2	1072816.2	518.6	0.273	0.146	28.1	0.310	2.5	0.025	0.005	0.002	16.7	0.005	0.2	0.010	0.003	15.2	0.011
727515.2	1072816.0	518.5	0.255	0.135	27.9	0.288	2.8	0.023	0.005	0.002	16.8	0.006	0.2	0.011	0.003	15.3	0.011
727510.2	1072815.8	518.3	0.235	0.124	27.7	0.266	3.2	0.021	0.006	0.002	16.9	0.006	0.2	0.011	0.003	15.4	0.012
727505.2	1072815.6	518.2	0.217	0.113	27.5	0.245	3.6	0.019	0.006	0.002	16.9	0.006	0.2	0.011	0.003	15.4	0.012
727500.2	1072815.4	518.1	0.202	0.103	27.1	0.226	4.0	0.018	0.006	0.002	17.0	0.006	0.2	0.012	0.003	15.5	0.012
727495.2	1072815.2	517.9	0.192	0.096	26.6	0.214	4.2	0.017	0.006	0.002	17.0	0.007	0.2	0.012	0.003	15.6	0.013
727490.2	1072815.1	517.8	0.191	0.093	26.1	0.213	4.2	0.017	0.007	0.002	17.1	0.007	0.2	0.013	0.004	15.6	0.013
727485.2	1072814.9	517.7	0.203	0.097	25.7	0.225	3.8	0.018	0.007	0.002	17.1	0.007	0.2	0.013	0.004	15.7	0.013
727480.2	1072814.7	517.6	0.227	0.108	25.5	0.252	3.3	0.020	0.007	0.002	17.2	0.008	0.1	0.013	0.004	15.8	0.014
727475.2	1072814.5	517.4	0.264	0.126	25.5	0.292	2.9	0.023	0.008	0.002	17.2	0.008	0.1	0.014	0.004	15.8	0.014
727470.2	1072814.3	517.3	0.310	0.149	25.6	0.344	2.6	0.027	0.008	0.003	17.2	0.009	0.1	0.014	0.004	15.9	0.015
727465.2	1072814.1	517.2	0.365	0.175	25.7	0.405	2.4	0.032	0.009	0.003	17.3	0.009	0.1	0.015	0.004	15.9	0.015
727460.2	1072813.9	517.0	0.426	0.206	25.7	0.473	2.2	0.038	0.009	0.003	17.3	0.010	0.1	0.015	0.004	16.0	0.016
727455.2	1072813.7	516.9	0.493	0.238	25.8	0.548	2.1	0.044	0.010	0.003	17.3	0.010	0.1	0.015	0.004	16.0	0.016
727450.2	1072813.5	516.8	0.565	0.273	25.8	0.627	1.9	0.050	0.010	0.003	17.4	0.010	0.1	0.016	0.005	16.0	0.016
727445.2	1072813.4	516.6	0.640	0.309	25.8	0.711	1.8	0.057	0.010	0.003	17.4	0.011	0.1	0.016	0.005	16.1	0.017
727440.3	1072813.2	516.5	0.717	0.347	25.8	0.797	1.8	0.063	0.011	0.003	17.4	0.011	0.1	0.017	0.005	16.1	0.017
727435.3	1072813.0	516.4	0.796	0.384	25.8	0.884	1.7	0.070	0.011	0.004	17.4	0.012	0.1	0.017	0.005	16.1	0.018
727430.3	1072812.8	516.3	0.876	0.422	25.7	0.973	1.7	0.077	0.012	0.004	17.4	0.013	0.1	0.017	0.005	16.1	0.018
727425.3	1072812.6	516.1	0.956	0.460	25.7	1.061	1.6	0.084	0.012	0.004	17.5	0.013	0.1	0.018	0.005	16.2	0.018
727420.3	1072812.4	516.0	1.033	0.497	25.7	1.147	1.6	0.091	0.013	0.004	17.5	0.014	0.1	0.018	0.005	16.2	0.019
727415.3	1072812.2	515.9	1.109	0.532	25.6	1.230	1.6	0.098	0.013	0.004	17.5	0.014	0.1	0.018	0.005	16.2	0.019
727410.3	1072812.0	515.8	1.180	0.566	25.6	1.309	1.6	0.104	0.014	0.004	17.5	0.015	0.1	0.018	0.005	16.2	0.019
727405.3	1072811.8	515.6	1.246	0.597	25.6	1.382	1.6	0.110	0.014	0.005	17.5	0.015	0.1	0.019	0.005	16.2	0.019
727400.3	1072811.6	515.5	1.307	0.625	25.6	1.448	1.6	0.115	0.015	0.005	17.5	0.016	0.1	0.019	0.005	16.2	0.020
727395.3	1072811.5	515.4	1.360	0.650	25.5	1.507	1.6	0.120	0.015	0.005	17.5	0.016	0.1	0.019	0.005	16.1	0.020
727390.3	1072811.3	515.3	1.405	0.671	25.5	1.557	1.7	0.124	0.016	0.005	17.5	0.017	0.1	0.019	0.005	16.1	0.020
727385.3	1072811.1	515.1	1.441	0.687	25.5	1.597	1.7	0.127	0.016	0.005	17.5	0.017	0.1	0.019	0.005	16.1	0.020
727380.3	1072810.9	515.0	1.468	0.700	25.5	1.626	1.8	0.129	0.017	0.005	17.5	0.018	0.1	0.019	0.005	16.1	0.020
727375.3	1072810.7	514.9	1.484	0.707	25.5	1.644	1.9	0.131	0.017	0.005	17.5	0.018	0.1	0.019	0.005	16.1	0.020
727370.3	1072810.5	514.8	1.489	0.710	25.5	1.650	2.0	0.131	0.018	0.006	17.5	0.018	0.1	0.019	0.005	16.0	0.019
727365.3	1072810.3	514.6	1.484	0.708	25.5	1.644	2.1	0.131	0.018	0.006	17.6	0.019	0.1	0.018	0.005	16.0	0.019
727360.3	1072810.1	514.5	1.467	0.701	25.5	1.626	2.3	0.129	0.018	0.006	17.6	0.019	0.1	0.018	0.005	15.9	0.019
727355.3	1072809.9	514.4	1.440	0.689	25.6	1.597	2.4	0.127	0.019	0.006	17.6	0.020	0.1	0.018	0.005	15.9	0.019
727350.3	1072809.8	514.2	1.403	0.673	25.6	1.556	2.6	0.124	0.019	0.006	17.6	0.020	0.1	0.017	0.005	15.8	0.018
727345.3	1072809.6	514.1	1.356	0.653	25.7	1.505	2.9	0.120	0.019	0.006	17.6	0.020	0.1	0.017	0.005	15.8	0.018
727340.3	1072809.4	514.0	1.300	0.629	25.8	1.445	3.2	0.115	0.020	0.006	17.6	0.020	0.1	0.017	0.005	15.7	0.017
727335.3	1072809.2	513.9	1.238	0.603	26.0	1.377	3.5	0.110	0.020	0.006	17.7	0.021	0.1	0.016	0.005	15.6	0.017
727330.3	1072809.0	513.7	1.169	0.574	26.2	1.302	3.9	0.104	0.020	0.006	17.7	0.021	0.1	0.016	0.004	15.6	0.016
727325.3	1072808.8	513.6	1.097	0.545	26.4	1.225	4.4	0.097	0.020	0.007	17.7	0.021	0.1	0.015	0.004	15.5	0.016
727320.3	1072808.6	513.5	1.023	0.516	26.8	1.146	4.8	0.091	0.021	0.007	17.7	0.022	0.1	0.015	0.004	15.4	0.015
727315.3	1072808.4	513.4	0.951	0.490	27.3	1.070	5.3	0.085	0.021	0.007	17.8	0.022	0.1	0.014	0.004	15.3	0.015
727310.3	1072808.2	513.3	0.884	0.467	27.9	1.000	5.8	0.080	0.021	0.007	17.8	0.022	0.1	0.014	0.004	15.2	0.015
727305.3	1072808.0	513.3	0.828	0.451	28.6	0.942	6.0	0.075	0.022	0.007	17.8	0.023	0.1	0.014	0.004	15.2	0.015
727300.4	1072807.9	513.2	0.785	0.442	29.4	0.901	6.0	0.072	0.022	0.007	17.9	0.023	0.1	0.014	0.004	15.3	0.015
727295.4	1072807.7	513.2	0.761	0.443	30.2	0.881	5.7	0.070	0.022	0.007	17.9	0.024	0.1	0.014	0.004	15.3	0.015
727290.4	1072807.5	513.1	0.760	0.454	30.9	0.885	5.1	0.070	0.023	0.007	17.9	0.024	0.1	0.015	0.004	15.3	0.015
727285.4	1072807.3	513.1	0.782	0.476	31.3	0.915	4.6	0.073	0.023	0.008	18.0	0.025	0.1	0.015	0.004	15.3	0.015
727280.4	1072807.1	513.1	0.827	0.507	31.5	0.970	4.3	0.077	0.024	0.008	18.0	0.025	0.1	0.015	0.004	15.4	0.016
727275.4	1072806.9	513.0	0.893	0.548	31.5	1.047	4.4	0.083	0.025	0.008	18.1	0.026	0.1	0.015	0.004	15.5	0.016
727270.4	1072806.7	513.0	0.975	0.596	31.4	1.143	4.7	0.091	0.025	0.008	18.1	0.027	0.1	0.016	0.004	15.5	0.016
727265.4	1072806.5	513.0	1.072	0.651	31.3	1.254	5.0	0.100	0.026	0.009	18.2	0.027	0.1	0.016	0.004	15.6	0.017
727260.4	1072806.3	512.9	1.180	0.712	31.1	1.378	5.3	0.110	0.027	0.009	18.2	0.028	0.1	0.016	0.005	15.7	0.017
727255.4	1072806.2	512.9	1.298	0.780	31.0	1.514	5.5	0.121	0.028	0.009	18.3	0.029	0.1	0.017	0.005	15.8	0.018
727250.4	1072806.0	512.9	1.426	0.853	30.9	1.662	5.6	0.132	0.029	0.010	18.4	0.030	0.2	0.017	0.005	15.9	0.018
727245.4	1072805.8	512.8	1.563	0.933	30.8	1.820	5.7	0.145	0.030	0.010	18.4	0.031	0.2	0.018	0.005	16.1	0.019
727240.4	1072805.6	512.8	1.710	1.020	30.8	1.991	5.8	0.158	0.031	0.010	18.5	0.033	0.2	0.019	0.005	16.2	0.020
727235.4	1072805.4	512.8	1.868	1.115	30.8	2.176	5.9	0.173	0.032	0.011	18.6	0.034	0.2	0.020	0.006	16.4	0.021
727230.4	1072805.2	512.8	2.039	1.218	30.9	2.376	5.9	0.189	0.034	0.011	18.7	0.035	0.2	0.021	0.006	16.6	0.022
727225.4	1072805.0	512.8	2.225	1.332	30.9	2.593	6.0	0.206	0.035	0.012	18.7	0.037	0.2	0.022	0.007	16.7	0.023
727220.4	1072804.8	512.8	2.427	1.457	31.0	2.831	6.0	0.225	0.036	0.012	18.8	0.039	0.2	0.023	0.007	16.9	0.024
727215.4	1072804.6	512.8	2.650	1.596	31.1	3.093	6.1	0.246	0.038	0.013	18.9	0.040	0.2	0.024	0.007	17.1	0.025
727210.4	1072804.4	512.8	2.896	1.751	31.2	3.384	6.2	0.269	0.040	0.014	19.0	0.042	0.2	0.025	0.008	17.3	0.027
727205.4	1072804.3	512.8	3.171	1.926	31.3	3.710	6.3	0.295	0.042	0.014	19.1	0.044	0.2	0.027	0.008	17.5	0.028
727200.4	1072804.1	512.8	3.480	2.123	31.4	4.077	6.4	0.324	0.043	0.015	19.2	0.046	0.2	0.029	0.009	17.6	0.030
727195.4	1072803.9	512.8	3.829	2.347	31.5	4.492	6.5	0.357	0.045	0.016	19.2	0.048	0.2	0.030	0.010	17.8	0.032
727190.4	1072803.7	512.8	4.227	2.603	31.6	4.964	6.7	0.395	0.047	0.016	19.3	0.050	0.2	0.032	0.010	17.9	0.034
727185.4	1072803.5	512.8	4.681	2.899	31.8	5.506	6.8	0.438	0.049	0.017	19.3	0.052	0.2	0.034	0.011	18.0	0.035
727180.4	1072803.3	512.8	5.205	3.241	31.9	6.132	7.0	0.488	0.050	0.018	19.4	0.053	0.2	0.035	0.011	18.1	0.037

727175.4	1072803.1	512.8	5.813	3.639	32.1	6.858	7.3	0.546	0.052	0.018	19.3	0.055	0.2	0.036	0.012	18.1	0.038
727170.4	1072802.9	512.9	6.521	4.107	32.2	7.707	7.5	0.613	0.052	0.018	19.3	0.056	0.3	0.037	0.012	18.0	0.039
727165.5	1072802.7	512.9	7.352	4.660	32.4	8.704	7.8	0.693	0.053	0.018	19.1	0.056	0.4	0.037	0.012	17.7	0.039
727160.5	1072802.6	512.9	8.331	5.317	32.5	9.883	8.1	0.786	0.052	0.018	18.7	0.055	0.7	0.037	0.011	17.1	0.039
727155.5	1072802.4	512.9	9.491	6.104	32.7	11.284	8.4	0.898	0.050	0.016	17.9	0.053	1.2	0.035	0.010	15.9	0.036
727150.5	1072802.2	512.9	10.868	7.048	33.0	12.953	8.7	1.031	0.047	0.014	16.6	0.049	2.4	0.031	0.007	13.5	0.032
727145.5	1072802.0	512.9	12.512	8.192	33.2	14.955	9.0	1.190	0.040	0.010	14.1	0.042	5.2	0.024	0.003	7.5	0.024
727140.5	1072801.8	512.9	14.484	9.587	33.5	17.369	9.3	1.382	0.031	0.006	11.3	0.031	14.7	0.014	-0.003	-13.8	0.015
727135.5	1072801.6	512.9	16.854	11.297	33.8	20.290	9.5	1.615	0.019	0.012	31.4	0.022	61.1	-0.001	-0.014	85.5	0.014
727130.5	1072801.4	512.9	19.705	13.400	34.2	23.829	9.8	1.896	0.020	0.027	53.7	0.033	30.8	-0.023	-0.029	51.6	0.038
727125.5	1072801.2	512.9	23.128	15.992	34.7	28.119	9.9	2.238	0.048	0.051	46.8	0.070	8.5	-0.055	-0.053	43.8	0.076
727120.5	1072801.0	512.9	27.228	19.187	35.2	33.309	10.0	2.651	0.093	0.087	43.3	0.127	2.9	-0.099	-0.087	41.4	0.132
727115.5	1072800.8	512.9	32.100	23.105	35.7	39.551	9.9	3.147	0.154	0.139	42.1	0.208	0.7	-0.159	-0.137	40.8	0.210
727110.5	1072800.7	512.9	37.810	27.848	36.4	46.959	9.6	3.737	0.235	0.212	42.1	0.316	0.4	-0.237	-0.207	41.2	0.315
727105.5	1072800.5	512.9	44.344	33.448	37.0	55.544	9.0	4.420	0.335	0.310	42.8	0.456	0.9	-0.334	-0.301	42.0	0.449
727100.5	1072800.3	512.9	51.531	39.772	37.7	65.095	8.1	5.180	0.450	0.430	43.7	0.622	1.2	-0.445	-0.416	43.1	0.610
727095.5	1072800.1	512.9	58.943	46.393	38.2	75.011	6.8	5.969	0.569	0.562	44.7	0.800	1.3	-0.560	-0.543	44.1	0.781
727090.5	1072799.9	512.9	65.831	52.506	38.6	84.206	5.1	6.701	0.670	0.681	45.5	0.955	1.1	-0.659	-0.658	44.9	0.931
727085.5	1072799.7	512.9	71.231	57.043	38.7	91.257	3.2	7.262	0.729	0.752	45.9	1.047	1.0	-0.717	-0.726	45.4	1.021
727080.5	1072799.5	513.0	74.384	59.163	38.5	95.043	1.3	7.563	0.729	0.749	45.8	1.045	1.1	-0.721	-0.728	45.3	1.024
727075.5	1072799.3	513.0	75.015	58.619	38.0	95.202	0.5	7.576	0.669	0.674	45.2	0.950	1.3	-0.668	-0.661	44.7	0.940
727070.5	1072799.1	513.0	73.563	55.974	37.3	92.437	1.8	7.356	0.570	0.555	44.2	0.795	1.6	-0.576	-0.549	43.6	0.796
727065.5	1072799.0	513.0	70.845	52.204	36.4	88.002	2.6	7.003	0.457	0.426	43.0	0.625	1.7	-0.467	-0.425	42.3	0.631
727060.5	1072798.8	513.0	67.787	48.316	35.5	83.244	2.7	6.624	0.353	0.312	41.5	0.471	1.8	-0.365	-0.315	40.8	0.482
727055.5	1072798.6	513.0	65.078	45.018	34.7	79.131	2.3	6.297	0.269	0.226	40.1	0.351	1.7	-0.284	-0.231	39.2	0.367
727050.5	1072798.4	513.0	63.174	42.741	34.1	76.274	1.4	6.070	0.211	0.169	38.7	0.270	1.4	-0.230	-0.177	37.7	0.290
727045.5	1072798.2	513.0	62.322	41.713	33.8	74.993	0.2	5.968	0.183	0.142	37.7	0.231	0.7	-0.202	-0.151	36.7	0.252
727040.5	1072798.0	513.0	62.673	42.064	33.9	75.481	1.1	6.007	0.186	0.143	37.6	0.235	0.4	-0.204	-0.152	36.6	0.254
727035.5	1072797.8	513.0	64.240	43.811	34.3	77.757	2.3	6.188	0.222	0.176	38.4	0.283	1.3	-0.236	-0.181	37.4	0.297
727030.5	1072797.6	513.0	66.906	46.868	35.0	81.688	3.1	6.501	0.288	0.240	39.8	0.375	1.7	-0.297	-0.240	38.9	0.382
727025.6	1072797.4	512.9	70.394	51.007	35.9	86.931	3.4	6.918	0.385	0.339	41.4	0.513	1.9	-0.386	-0.331	40.6	0.509
727020.6	1072797.2	512.9	74.210	55.762	36.9	92.825	3.1	7.387	0.504	0.470	43.0	0.689	1.8	-0.497	-0.452	42.3	0.672
727015.6	1072797.1	512.9	77.667	60.398	37.9	98.387	2.1	7.829	0.632	0.620	44.4	0.885	1.7	-0.619	-0.594	43.8	0.858
727010.6	1072796.9	512.9	79.670	63.703	38.6	102.007	0.7	8.117	0.743	0.756	45.5	1.060	1.4	-0.726	-0.724	44.9	1.025
727005.6	1072796.7	513.0	79.311	64.552	39.1	102.260	1.3	8.138	0.804	0.835	46.1	1.159	1.2	-0.794	-0.809	45.5	1.134
727000.6	1072796.5	513.0	75.902	62.104	39.3	98.071	3.4	7.804	0.792	0.822	46.1	1.142	1.2	-0.794	-0.808	45.5	1.132
726995.6	1072796.3	513.1	69.805	56.715	39.1	89.941	5.5	7.157	0.711	0.724	45.5	1.015	1.4	-0.724	-0.722	44.9	1.022
726990.6	1072796.1	513.1	62.101	49.605	38.6	79.480	7.2	6.325	0.587	0.577	44.5	0.823	1.5	-0.608	-0.585	43.9	0.843
726985.6	1072795.9	513.2	53.961	42.102	38.0	68.442	8.5	5.446	0.450	0.425	43.3	0.619	1.5	-0.475	-0.438	42.7	0.646
726980.6	1072795.7	513.2	46.215	35.114	37.2	58.042	9.4	4.619	0.324	0.294	42.2	0.438	1.2	-0.349	-0.308	41.4	0.465
726975.6	1072795.5	513.3	39.287	29.058	36.5	48.865	9.9	3.889	0.219	0.193	41.4	0.292	0.5	-0.241	-0.206	40.5	0.317
726970.6	1072795.4	513.3	33.276	23.993	35.8	41.024	10.1	3.265	0.137	0.121	41.4	0.183	1.0	-0.155	-0.130	40.1	0.202
726965.6	1072795.2	513.3	28.195	19.866	35.2	34.491	10.1	2.745	0.077	0.071	42.6	0.105	4.2	-0.089	-0.077	40.9	0.118
726960.6	1072795.0	513.3	23.958	16.540	34.6	29.113	10.0	2.317	0.036	0.038	46.3	0.052	14.3	-0.042	-0.042	44.7	0.060
726955.6	1072794.8	513.3	20.441	13.863	34.1	24.698	9.7	1.965	0.019	0.017	42.1	0.025	54.8	-0.010	-0.019	62.9	0.021
726950.6	1072794.6	513.3	17.522	11.704	33.7	21.072	9.4	1.677	0.028	0.008	16.5	0.029	21.8	0.013	-0.003	-15.2	0.013
726945.6	1072794.4	513.3	15.097	9.954	33.4	18.083	9.1	1.439	0.039	0.012	16.6	0.041	6.5	0.028	0.006	12.3	0.028
726940.6	1072794.2	513.3	13.076	8.526	33.1	15.610	8.8	1.242	0.047	0.016	18.9	0.049	2.6	0.037	0.012	17.8	0.039
726935.6	1072794.0	513.3	11.385	7.353	32.9	13.553	8.5	1.079	0.051	0.019	20.1	0.055	1.2	0.042	0.015	19.8	0.045
726930.6	1072793.8	513.3	9.963	6.384	32.6	11.833	8.2	0.942	0.054	0.020	20.7	0.057	0.6	0.045	0.017	20.7	0.048
726925.6	1072793.6	513.3	8.763	5.576	32.5	10.387	7.9	0.827	0.054	0.021	21.0	0.058	0.2	0.046	0.018	21.1	0.050
726920.6	1072793.5	513.4	7.753	4.904	32.3	9.174	7.6	0.730	0.054	0.021	21.2	0.058	0.1	0.048	0.019	21.2	0.051
726915.6	1072793.3	513.5	6.893	4.338	32.2	8.145	7.3	0.648	0.053	0.021	21.2	0.057	0.0	0.049	0.019	21.3	0.052
726910.6	1072793.1	513.6	6.155	3.856	32.1	7.263	7.0	0.578	0.051	0.020	21.2	0.055	0.1	0.049	0.019	21.3	0.053
726905.6	1072792.9	513.8	5.518	3.444	32.0	6.505	6.8	0.518	0.049	0.019	21.2	0.053	0.1	0.049	0.019	21.2	0.053
726900.6	1072792.7	513.9	4.967	3.090	31.9	5.850	6.5	0.466	0.047	0.018	21.1	0.051	0.1	0.049	0.019	21.1	0.052
726895.6	1072792.5	514.0	4.487	2.783	31.8	5.280	6.3	0.420	0.045	0.017	21.1	0.048	0.1	0.048	0.018	21.1	0.051
726890.6	1072792.3	514.1	4.067	2.517	31.8	4.783	6.1	0.381	0.043	0.016	21.0	0.046	0.1	0.046	0.018	21.0	0.050
726885.7	1072792.1	514.2	3.700	2.285	31.7	4.349	5.8	0.346	0.041	0.016	20.9	0.044	0.1	0.045	0.017	20.9	0.048
726880.7	1072791.9	514.3	3.377	2.082	31.7	3.967	5.6	0.316	0.039	0.015	20.8	0.042	0.1	0.044	0.017	20.8	0.047
726875.7	1072791.8	514.4	3.092	1.903	31.6	3.631	5.4	0.289	0.037	0.014	20.8	0.039	0.1	0.042	0.016	20.7	0.045
726870.7	1072791.6	514.5	2.840	1.746	31.6	3.334	5.3	0.265	0.035	0.013	20.7	0.037	0.1	0.041	0.015	20.6	0.044
726865.7	1072791.4	514.6	2.616	1.606	31.5	3.070	5.1	0.244	0.033	0.013	20.7	0.036	0.1	0.040	0.015	20.5	0.042
726860.7	1072791.2	514.7	2.416	1.482	31.5	2.834	4.9	0.226	0.032	0.012	20.6	0.034	0.1	0.038	0.014	20.5	0.041
726855.7	1072791.0	514.8	2.238	1.371	31.5	2.625	4.7	0.209	0.030	0.011	20.5	0.032	0.1	0.037	0.014	20.4	0.040
726850.7	1072790.8	514.9	2.078	1.272	31.5	2.437	4.6	0.194	0.028	0.011	20.5	0.030	0.1	0.036	0.013	20.3	0.038
726845.7	1072790.6	515.0	1.935	1.183	31.4	2.268	4.4	0.180	0.027	0.010	20.4	0.029	0.1	0.035	0.013	20.3	0.037
726840.7	1072790.4	515.1	1.806	1.103	31.4	2.116	4.2	0.168	0.026	0.010	20.4	0.027	0.1	0.034	0.013	20.2	0.036
726835.7	1072790.2	515.3	1.689	1.031	31.4	1.979	4.1	0.157	0.024	0.009	20.3	0.026	0.1	0.033	0.012	20.2	0.035

726830.7	1072790.0	515.4	1.583	0.966	31.4	1.854	3.9	0.148	0.023	0.009	20.3	0.025	0.1	0.032	0.012	20.1	0.034
726825.7	1072789.9	515.5	1.487	0.906	31.4	1.741	3.8	0.139	0.022	0.008	20.3	0.024	0.1	0.031	0.011	20.1	0.033
726820.7	1072789.7	515.6	1.399	0.852	31.4	1.638	3.7	0.130	0.021	0.008	20.2	0.022	0.1	0.030	0.011	20.0	0.032
726815.7	1072789.5	515.7	1.319	0.803	31.3	1.545	3.5	0.123	0.020	0.007	20.2	0.021	0.1	0.029	0.011	20.0	0.031
726810.7	1072789.3	515.8	1.246	0.758	31.3	1.459	3.4	0.116	0.019	0.007	20.2	0.020	0.1	0.028	0.010	19.9	0.030
726805.7	1072789.1	515.9	1.180	0.717	31.3	1.380	3.3	0.110	0.018	0.007	20.1	0.019	0.1	0.027	0.010	19.9	0.029
726800.7	1072788.9	516.0	1.118	0.679	31.3	1.309	3.2	0.104	0.017	0.006	20.1	0.019	0.1	0.026	0.010	19.8	0.028
726795.7	1072788.7	516.1	1.062	0.645	31.3	1.243	3.0	0.099	0.017	0.006	20.1	0.018	0.1	0.026	0.009	19.8	0.027
726790.7	1072788.5	516.2	1.010	0.613	31.2	1.182	2.9	0.094	0.016	0.006	20.0	0.017	0.1	0.025	0.009	19.8	0.027
726785.7	1072788.3	516.4	0.962	0.584	31.2	1.126	2.8	0.090	0.015	0.006	20.0	0.016	0.1	0.024	0.009	19.7	0.026
726780.7	1072788.2	516.5	0.918	0.556	31.2	1.074	2.7	0.085	0.015	0.005	20.0	0.015	0.1	0.024	0.008	19.7	0.025
726775.7	1072788.0	516.6	0.877	0.531	31.2	1.025	2.6	0.082	0.014	0.005	20.0	0.015	0.1	0.023	0.008	19.7	0.024
726770.7	1072787.8	516.7	0.839	0.508	31.2	0.981	2.5	0.078	0.013	0.005	19.9	0.014	0.1	0.022	0.008	19.6	0.024
726765.7	1072787.6	516.8	0.804	0.486	31.2	0.939	2.4	0.075	0.013	0.005	19.9	0.014	0.1	0.022	0.008	19.6	0.023
726760.7	1072787.4	516.9	0.771	0.466	31.1	0.901	2.3	0.072	0.012	0.004	19.9	0.013	0.1	0.021	0.008	19.6	0.023
726755.7	1072787.2	517.0	0.740	0.447	31.1	0.865	2.2	0.069	0.012	0.004	19.9	0.012	0.1	0.021	0.007	19.6	0.022
726750.7	1072787.0	517.1	0.712	0.429	31.1	0.831	2.2	0.066	0.011	0.004	19.9	0.012	0.1	0.020	0.007	19.5	0.021
726745.8	1072786.8	517.2	0.685	0.413	31.1	0.800	2.1	0.064	0.011	0.004	19.8	0.012	0.1	0.020	0.007	19.5	0.021
726740.8	1072786.6	517.4	0.660	0.398	31.1	0.771	2.0	0.061	0.010	0.004	19.8	0.011	0.1	0.019	0.007	19.5	0.020
726735.8	1072786.4	517.5	0.637	0.383	31.0	0.743	1.9	0.059	0.010	0.004	19.8	0.011	0.1	0.019	0.007	19.5	0.020
726730.8	1072786.3	517.6	0.615	0.370	31.0	0.718	1.9	0.057	0.010	0.003	19.8	0.010	0.1	0.019	0.007	19.5	0.020
726725.8	1072786.1	517.8	0.594	0.357	31.0	0.693	1.8	0.055	0.009	0.003	19.8	0.010	0.1	0.018	0.006	19.4	0.019
726720.8	1072785.9	517.9	0.575	0.345	31.0	0.670	1.7	0.053	0.009	0.003	19.7	0.009	0.1	0.018	0.006	19.4	0.019
726715.8	1072785.7	518.0	0.556	0.334	31.0	0.649	1.7	0.052	0.009	0.003	19.7	0.009	0.1	0.017	0.006	19.4	0.018
726710.8	1072785.5	518.1	0.539	0.323	30.9	0.628	1.6	0.050	0.008	0.003	19.7	0.009	0.1	0.017	0.006	19.4	0.018
726705.8	1072785.3	518.2	0.522	0.313	30.9	0.609	1.6	0.048	0.008	0.003	19.7	0.008	0.1	0.017	0.006	19.4	0.018
726700.8	1072785.1	518.3	0.507	0.303	30.9	0.591	1.5	0.047	0.008	0.003	19.7	0.008	0.1	0.016	0.006	19.4	0.017
726695.8	1072784.9	518.5	0.492	0.294	30.9	0.574	1.5	0.046	0.007	0.003	19.7	0.008	0.1	0.016	0.006	19.3	0.017
726690.8	1072784.7	518.6	0.478	0.286	30.9	0.557	1.4	0.044	0.007	0.003	19.7	0.008	0.1	0.015	0.005	19.3	0.016
726685.8	1072784.5	518.7	0.465	0.278	30.8	0.542	1.4	0.043	0.007	0.002	19.6	0.007	0.1	0.015	0.005	19.3	0.016
726680.8	1072784.4	518.8	0.452	0.270	30.8	0.527	1.3	0.042	0.007	0.002	19.6	0.007	0.1	0.015	0.005	19.3	0.016
726675.8	1072784.2	518.9	0.440	0.263	30.8	0.513	1.3	0.041	0.006	0.002	19.6	0.007	0.1	0.015	0.005	19.3	0.015
726670.8	1072784.0	519.0	0.429	0.256	30.8	0.499	1.3	0.040	0.006	0.002	19.6	0.007	0.1	0.014	0.005	19.3	0.015
726665.8	1072783.8	519.1	0.418	0.249	30.8	0.486	1.2	0.039	0.006	0.002	19.6	0.006	0.1	0.014	0.005	19.3	0.015
726660.8	1072783.6	519.2	0.408	0.242	30.8	0.474	1.2	0.038	0.006	0.002	19.6	0.006	0.1	0.014	0.005	19.2	0.014
726655.8	1072783.4	519.3	0.398	0.236	30.7	0.463	1.2	0.037	0.006	0.002	19.6	0.006	0.1	0.013	0.005	19.2	0.014
726650.8	1072783.2	519.4	0.388	0.231	30.7	0.451	1.2	0.036	0.005	0.002	19.6	0.006	0.1	0.013	0.005	19.2	0.014
726645.8	1072783.0	519.5	0.379	0.225	30.7	0.441	1.1	0.035	0.005	0.002	19.6	0.006	0.1	0.013	0.004	19.2	0.014
726640.8	1072782.8	519.6	0.370	0.220	30.7	0.430	1.1	0.034	0.005	0.002	19.5	0.005	0.1	0.013	0.004	19.2	0.013
726635.8	1072782.7	519.7	0.362	0.214	30.7	0.421	1.1	0.033	0.005	0.002	19.5	0.005	0.1	0.012	0.004	19.2	0.013
726630.8	1072782.5	519.9	0.354	0.210	30.7	0.411	1.1	0.033	0.005	0.002	19.5	0.005	0.1	0.012	0.004	19.2	0.013
726625.8	1072782.3	520.0	0.346	0.205	30.6	0.402	1.0	0.032	0.005	0.002	19.5	0.005	0.1	0.012	0.004	19.2	0.012
726620.8	1072782.1	520.1	0.338	0.200	30.6	0.393	1.0	0.031	0.005	0.002	19.5	0.005	0.1	0.012	0.004	19.2	0.012
726615.8	1072781.9	520.2	0.331	0.196	30.6	0.385	1.0	0.031	0.004	0.002	19.5	0.005	0.1	0.011	0.004	19.1	0.012
726610.8	1072781.7	520.2	0.324	0.192	30.6	0.377	1.0	0.030	0.004	0.002	19.5	0.005	0.1	0.011	0.004	19.1	0.012
726605.9	1072781.5	520.3	0.318	0.188	30.6	0.369	1.0	0.029	0.004	0.001	19.5	0.004	0.1	0.011	0.004	19.1	0.011
726600.9	1072781.3	520.4	0.311	0.184	30.6	0.362	1.0	0.029	0.004	0.001	19.5	0.004	0.1	0.011	0.004	19.1	0.011
726595.9	1072781.1	520.5	0.305	0.180	30.6	0.354	1.0	0.028	0.004	0.001	19.5	0.004	0.1	0.010	0.004	19.1	0.011
726590.9	1072780.9	520.6	0.299	0.176	30.5	0.347	1.0	0.028	0.004	0.001	19.4	0.004	0.1	0.010	0.004	19.1	0.011
726585.9	1072780.8	520.7	0.293	0.173	30.5	0.341	1.0	0.027	0.004	0.001	19.4	0.004	0.1	0.010	0.003	19.1	0.011
726580.9	1072780.6	520.8	0.288	0.170	30.5	0.334	1.0	0.027	0.004	0.001	19.4	0.004	0.1	0.010	0.003	19.1	0.010
726575.9	1072780.4	520.9	0.289	0.170	30.5	0.335	0.9	0.027	0.003	0.001	19.6	0.004	0.0	0.010	0.003	19.2	0.010
726570.9	1072780.2	521.0	0.284	0.167	30.5	0.329	0.9	0.026	0.003	0.001	19.6	0.004	0.0	0.009	0.003	19.2	0.010
726565.9	1072780.0	521.1	0.279	0.164	30.5	0.323	0.9	0.026	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.2	0.010
726560.9	1072779.8	521.2	0.274	0.161	30.5	0.318	0.9	0.025	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.2	0.010
726555.9	1072779.6	521.2	0.269	0.158	30.4	0.312	0.9	0.025	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.2	0.009
726550.9	1072779.4	521.3	0.264	0.155	30.4	0.306	0.9	0.024	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.2	0.009
726545.9	1072779.2	521.4	0.260	0.152	30.4	0.301	0.9	0.024	0.003	0.001	19.5	0.003	0.0	0.009	0.003	19.2	0.009
726540.9	1072779.1	521.4	0.255	0.150	30.4	0.296	0.9	0.024	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.2	0.009
726535.9	1072778.9	521.5	0.251	0.147	30.4	0.291	0.9	0.023	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.2	0.009
726530.9	1072778.7	521.5	0.247	0.145	30.4	0.286	0.9	0.023	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.2	0.008
726525.9	1072778.5	521.6	0.243	0.142	30.4	0.281	0.9	0.022	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.2	0.008
726520.9	1072778.3	521.6	0.239	0.140	30.4	0.277	0.9	0.022	0.003	0.001	19.5	0.003	0.0	0.008	0.003	19.2	0.008
726515.9	1072778.1	521.6	0.235	0.138	30.4	0.272	0.9	0.022	0.003	0.001	19.5	0.003	0.0	0.007	0.003	19.2	0.008
726510.9	1072777.9	521.7	0.231	0.135	30.4	0.268	0.9	0.021	0.002	0.001	19.5	0.003	0.0	0.007	0.003	19.2	0.008
726505.9	1072777.7	521.7	0.227	0.133	30.3	0.264	0.9	0.021	0.002	0.001	19.5	0.003	0.0	0.007	0.002	19.2	0.008
726500.9	1072777.5	521.7	0.224	0.131	30.3	0.259	0.9	0.021	0.002	0.001	19.5	0.002	0.0	0.007	0.002	19.2	0.007
726495.9	1072777.3	521.7	0.220	0.129	30.3	0.255	0.9	0.020	0.002	0.001	19.5	0.002	0.0	0.007	0.002	19.1	0.007
726490.9	1072777.2	521.8	0.217	0.127	30.3	0.251	0.9	0.020	0.002	0.001	19.5	0.002	0.0	0.007	0.002	19.1	0.007

726485.9	1072777.0	521.8	0.214	0.125	30.3	0.248	0.9	0.020	0.002	0.001	19.5	0.002	0.0	0.006	0.002	19.1	0.007
726480.9	1072776.8	521.8	0.211	0.123	30.3	0.244	0.9	0.019	0.002	0.001	19.5	0.002	0.0	0.006	0.002	19.1	0.007
726475.9	1072776.6	521.9	0.207	0.121	30.3	0.240	0.9	0.019	0.002	0.001	19.5	0.002	0.0	0.006	0.002	19.1	0.007
726470.9	1072776.4	521.9	0.204	0.119	30.3	0.237	0.9	0.019	0.002	0.001	19.5	0.002	0.0	0.006	0.002	19.1	0.006
726466.0	1072776.2	522.0	0.201	0.118	30.3	0.233	0.9	0.019	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.006
726461.0	1072776.0	522.0	0.198	0.116	30.3	0.230	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.006
726456.0	1072775.8	522.1	0.196	0.114	30.3	0.227	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.006
726451.0	1072775.6	522.1	0.193	0.113	30.3	0.223	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.006
726446.0	1072775.5	522.2	0.190	0.111	30.3	0.220	0.9	0.018	0.002	0.001	19.4	0.002	0.0	0.006	0.002	19.1	0.006
726441.0	1072775.3	522.2	0.187	0.109	30.3	0.217	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.006
726436.0	1072775.1	522.3	0.185	0.108	30.2	0.214	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.006
726431.0	1072774.9	522.4	0.182	0.106	30.2	0.211	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.006
726426.0	1072774.7	522.6	0.180	0.105	30.2	0.208	0.9	0.017	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.006
726421.0	1072774.5	522.7	0.177	0.103	30.2	0.205	1.0	0.016	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726416.0	1072774.3	522.8	0.175	0.102	30.2	0.203	1.0	0.016	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726411.0	1072774.1	522.9	0.173	0.101	30.2	0.200	1.0	0.016	0.002	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726406.0	1072773.9	523.0	0.170	0.099	30.2	0.197	1.0	0.016	0.001	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726401.0	1072773.7	523.2	0.168	0.098	30.2	0.195	1.0	0.015	0.001	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726396.0	1072773.6	523.3	0.166	0.097	30.2	0.192	1.0	0.015	0.001	0.001	19.4	0.002	0.0	0.005	0.002	19.1	0.005
726391.0	1072773.4	523.4	0.164	0.095	30.2	0.190	1.0	0.015	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726386.0	1072773.2	523.6	0.162	0.094	30.2	0.187	1.0	0.015	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726381.0	1072773.0	523.8	0.160	0.093	30.2	0.185	1.0	0.015	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726376.0	1072772.8	523.9	0.158	0.092	30.2	0.183	1.0	0.015	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726371.0	1072772.6	524.1	0.156	0.091	30.2	0.180	1.0	0.014	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726366.0	1072772.4	524.3	0.154	0.089	30.2	0.178	1.0	0.014	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726361.0	1072772.2	524.5	0.152	0.088	30.2	0.176	1.0	0.014	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726356.0	1072772.0	524.7	0.150	0.087	30.2	0.174	1.0	0.014	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726351.0	1072771.9	525.0	0.148	0.086	30.2	0.172	1.0	0.014	0.001	0.000	19.4	0.001	0.0	0.005	0.002	19.1	0.005
726346.0	1072771.7	525.2	0.125	0.075	30.9	0.146	1.5	0.012	0.001	0.000	19.7	0.001	0.1	0.004	0.001	19.5	0.004
726341.0	1072771.5	525.5	0.123	0.074	30.9	0.143	1.5	0.011	0.001	0.000	19.7	0.001	0.1	0.004	0.001	19.5	0.004
726336.0	1072771.3	525.7	0.121	0.073	30.9	0.141	1.5	0.011	0.001	0.000	19.7	0.001	0.1	0.004	0.001	19.5	0.004
726331.1	1072771.1	525.9	0.145	0.086	30.8	0.169	1.4	0.013	0.001	0.000	19.4	0.001	0.1	0.003	0.001	19.0	0.003


Magnetic Field vs. offset relative to line between structures
122 (ft) ahead of structure 10
MINIMUM ROW
MINIMUM ROW
Magnetic Field (mG)
Offset (ft)


Electric Field vs. offset relative to line between structures
122 (ft) ahead of structure 10
MINIMUM ROW
MINIMUM ROW
Electric Field (kV/m)
Offset (ft)

combination of X and Y creates 5-foot measurements intervals. Software takes into account conductors changing direction and follows line direction/orientation between substation and switchyard dead-ends. Ex. 727842.2-727837.2= 5ft in X direction

X value indicates 3.28ft measurement location plus ground elevation above sea level. Ground elevation varies along transmission line route and both side of ROW causes Z value variances as well

3D EMF Point Results Span from 10 to 11:

Measurement			B					H						Space Potential			
X (ft)	Y (ft)	Z (ft)	Real (mG)	Imaginary (mG)	Angle (deg)	Magnitude (mG)	Polarization Axial Ratio %	Magnitude (A/m)	Real (kV/m)	Imaginary (kV/m)	Angle (deg)	Magnitude (kV/m)	Polarization Axial Ratio %	Real (kV)	Imaginary (kV)	Angle (deg)	Magnitude (kV)
727842.2	1072573.3	520.3	0.007	0.004	31.2	0.008	1.2	0.001	0.000	0.000	12.8	0.000	1.7	0.000	-0.000	-30.7	0.000
727837.2	1072573.0	520.3	0.031	0.017	28.8	0.035	7.4	0.003	0.000	0.000	17.1	0.000	0.3	0.000	0.000	8.2	0.000
727832.2	1072572.7	520.3	0.032	0.017	28.8	0.036	7.4	0.003	0.000	0.000	17.1	0.000	0.3	0.000	0.000	8.4	0.000
727827.2	1072572.4	520.4	0.060	0.035	30.2	0.069	4.3	0.005	0.000	0.000	18.8	0.000	0.1	0.001	0.000	17.5	0.001
727822.2	1072572.1	520.4	0.061	0.035	30.2	0.070	4.2	0.006	0.000	0.000	18.8	0.000	0.1	0.001	0.000	17.5	0.001
727817.2	1072571.8	520.4	0.122	0.073	31.0	0.142	3.1	0.011	0.000	0.000	17.6	0.001	0.2	0.001	0.000	16.0	0.001
727812.2	1072571.5	520.4	0.123	0.074	31.0	0.144	3.1	0.011	0.000	0.000	17.6	0.001	0.2	0.001	0.000	16.1	0.001
727807.2	1072571.2	520.4	0.125	0.075	31.0	0.145	3.1	0.012	0.001	0.000	17.6	0.001	0.2	0.001	0.000	16.1	0.001
727802.2	1072570.9	520.4	0.126	0.076	31.0	0.147	3.1	0.012	0.001	0.000	17.6	0.001	0.2	0.001	0.000	16.1	0.001
727797.3	1072570.6	520.5	0.128	0.077	31.0	0.149	3.1	0.012	0.001	0.000	17.6	0.001	0.2	0.001	0.000	16.2	0.001
727792.3	1072570.3	520.5	0.129	0.078	31.1	0.151	3.1	0.012	0.001	0.000	17.6	0.001	0.2	0.001	0.000	16.2	0.001
727787.3	1072570.0	520.5	0.131	0.079	31.1	0.153	3.1	0.012	0.001	0.000	17.7	0.001	0.2	0.001	0.000	16.2	0.001
727782.3	1072569.7	520.6	0.133	0.080	31.1	0.155	3.1	0.012	0.001	0.000	17.7	0.001	0.2	0.001	0.000	16.2	0.001
727777.3	1072569.4	520.6	0.134	0.081	31.1	0.157	3.1	0.012	0.001	0.000	17.7	0.001	0.2	0.001	0.000	16.3	0.001
727772.3	1072569.1	520.6	0.136	0.082	31.1	0.159	3.1	0.013	0.001	0.000	17.7	0.001	0.2	0.001	0.000	16.3	0.001
727767.3	1072568.8	520.6	0.119	0.073	31.4	0.140	3.3	0.011	0.001	0.000	18.3	0.001	0.2	0.002	0.000	16.8	0.002
727762.3	1072568.5	520.7	0.120	0.074	31.4	0.141	3.3	0.011	0.001	0.000	18.4	0.001	0.2	0.002	0.000	16.9	0.002
727757.3	1072568.2	520.7	0.093	0.058	31.8	0.110	4.1	0.009	0.001	0.000	18.9	0.001	0.1	0.002	0.001	18.2	0.003
727752.3	1072567.9	520.6	0.118	0.068	30.0	0.136	2.5	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.0	0.003
727747.3	1072567.6	520.6	0.118	0.068	30.0	0.137	2.5	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.0	0.003
727742.3	1072567.3	520.6	0.118	0.068	30.0	0.137	2.5	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.0	0.003
727737.4	1072567.0	520.6	0.118	0.068	30.0	0.137	2.6	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.0	0.003
727732.4	1072566.7	520.6	0.118	0.068	30.0	0.137	2.6	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727727.4	1072566.4	520.6	0.118	0.068	30.0	0.137	2.6	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727722.4	1072566.1	520.6	0.118	0.068	30.0	0.137	2.7	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727717.4	1072565.8	520.5	0.118	0.068	30.0	0.137	2.7	0.011	0.001	0.000	18.3	0.001	0.1	0.003	0.001	17.1	0.003
727712.4	1072565.5	520.5	0.118	0.068	30.0	0.137	2.8	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727707.4	1072565.2	520.5	0.118	0.068	30.0	0.137	2.8	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727702.4	1072564.9	520.5	0.118	0.068	30.0	0.136	2.9	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.1	0.003
727697.4	1072564.6	520.4	0.118	0.068	30.0	0.136	2.9	0.011	0.001	0.000	18.4	0.001	0.1	0.003	0.001	17.2	0.003
727692.4	1072564.3	520.4	0.118	0.068	30.1	0.136	3.0	0.011	0.001	0.000	18.4	0.002	0.1	0.003	0.001	17.2	0.003
727687.4	1072564.0	520.4	0.118	0.068	30.1	0.136	3.0	0.011	0.001	0.000	18.4	0.002	0.1	0.003	0.001	17.2	0.003
727682.5	1072563.7	520.4	0.117	0.068	30.1	0.136	3.1	0.011	0.002	0.001	18.4	0.002	0.1	0.003	0.001	17.2	0.003
727677.5	1072563.4	520.4	0.117	0.068	30.1	0.135	3.1	0.011	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.2	0.004
727672.5	1072563.1	520.3	0.117	0.068	30.1	0.135	3.2	0.011	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.2	0.004
727667.5	1072562.8	520.3	0.117	0.068	30.1	0.135	3.3	0.011	0.002	0.001	18.5	0.002	0.1	0.003	0.001	17.3	0.004
727662.5	1072562.5	520.3	0.116	0.067	30.1	0.134	3.3	0.011	0.002	0.001	18.5	0.002	0.1	0.004	0.001	17.3	0.004
727657.5	1072562.2	520.3	0.116	0.067	30.2	0.134	3.4	0.011	0.002	0.001	18.5	0.002	0.1	0.004	0.001	17.3	0.004
727652.5	1072561.9	520.3	0.115	0.067	30.2	0.134	3.5	0.011	0.002	0.001	18.5	0.002	0.1	0.004	0.001	17.3	0.004
727647.5	1072561.6	520.3	0.115	0.067	30.2	0.133	3.5	0.011	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.3	0.004
727642.5	1072561.3	520.3	0.115	0.067	30.2	0.133	3.6	0.011	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727637.5	1072561.0	520.3	0.114	0.067	30.2	0.132	3.7	0.011	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727632.5	1072560.7	520.3	0.114	0.066	30.3	0.132	3.8	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727627.6	1072560.4	520.3	0.113	0.066	30.3	0.131	3.8	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727622.6	1072560.1	520.3	0.113	0.066	30.3	0.131	3.9	0.010	0.002	0.001	18.6	0.002	0.1	0.004	0.001	17.4	0.004
727617.6	1072559.8	520.2	0.113	0.066	30.4	0.130	4.0	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.004
727612.6	1072559.5	520.2	0.112	0.066	30.4	0.130	4.1	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.005
727607.6	1072559.2	520.1	0.112	0.066	30.4	0.130	4.2	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.005
727602.6	1072558.9	520.1	0.111	0.065	30.5	0.129	4.3	0.010	0.002	0.001	18.7	0.002	0.1	0.004	0.001	17.5	0.005
727597.6	1072558.6	520.0	0.111	0.065	30.5	0.129	4.4	0.010	0.002	0.001	18.7	0.002	0.1	0.005	0.001	17.5	0.005
727592.6	1072558.3	520.0	0.111	0.065	30.5	0.128	4.5	0.010	0.002	0.001	18.8	0.002	0.1	0.005	0.001	17.5	0.005
727587.6	1072558.0	519.9	0.110	0.065	30.6	0.128	4.5	0.010	0.002	0.001	18.8	0.002	0.1	0.005	0.001	17.6	0.005
727582.6	1072557.7	519.9	0.110	0.065	30.6	0.128	4.6	0.010	0.002	0.001	18.8	0.003	0.1	0.005	0.001	17.6	0.005
727577.6	1072557.4	519.8	0.110	0.065	30.6	0.128	4.7	0.010	0.002	0.001	18.8	0.003	0.1	0.005	0.002	17.6	0.005
727572.7	1072557.1	519.8	0.110	0.065	30.7	0.128	4.8	0.010	0.003	0.001	18.8	0.003	0.1	0.005	0.002	17.6	0.005
727567.7	1072556.8	519.7	0.110	0.065	30.7	0.128	4.9	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.6	0.005
727562.7	1072556.5	519.7	0.110	0.065	30.8	0.128	5.0	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727557.7	1072556.2	519.7	0.110	0.066	30.8	0.128	5.1	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727552.7	1072555.9	519.6	0.110	0.066	30.9	0.129	5.2	0.010	0.003	0.001	18.9	0.003	0.1	0.005	0.002	17.7	0.005
727547.7	1072555.6	519.6	0.111	0.066	30.9	0.129	5.3	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.7	0.006
727542.7	1072555.3	519.6	0.111	0.067	31.0	0.130	5.4	0.010	0.003	0.001	19.0	0.003	0.1	0.005	0.002	17.8	0.006
727537.7	1072555.0	519.6	0.112	0.067	31.0	0.131	5.4	0.010	0.003	0.001	19.0	0.003	0.1	0.006	0.002	17.8	0.006

727532.7	1072554.7	519.5	0.113	0.068	31.1	0.132	5.5	0.010	0.003	0.001	19.0	0.003	0.1	0.006	0.002	17.8	0.006
727527.7	1072554.4	519.5	0.114	0.069	31.1	0.133	5.6	0.011	0.003	0.001	19.0	0.003	0.1	0.006	0.002	17.8	0.006
727522.7	1072554.1	519.5	0.115	0.070	31.1	0.135	5.6	0.011	0.003	0.001	19.1	0.003	0.1	0.006	0.002	17.9	0.006
727517.8	1072553.8	519.5	0.117	0.071	31.2	0.137	5.7	0.011	0.003	0.001	19.1	0.004	0.1	0.006	0.002	17.9	0.006
727512.8	1072553.5	519.5	0.119	0.072	31.2	0.139	5.7	0.011	0.003	0.001	19.1	0.004	0.1	0.006	0.002	17.9	0.006
727507.8	1072553.2	519.5	0.121	0.073	31.2	0.141	5.7	0.011	0.004	0.001	19.1	0.004	0.1	0.006	0.002	18.0	0.007
727502.8	1072552.9	519.5	0.123	0.075	31.3	0.144	5.7	0.011	0.004	0.001	19.2	0.004	0.1	0.006	0.002	18.0	0.007
727497.8	1072552.6	519.5	0.126	0.076	31.3	0.147	5.8	0.012	0.004	0.001	19.2	0.004	0.1	0.007	0.002	18.0	0.007
727492.8	1072552.3	519.5	0.129	0.078	31.3	0.151	5.8	0.012	0.004	0.001	19.2	0.004	0.1	0.007	0.002	18.1	0.007
727487.8	1072552.0	519.5	0.132	0.080	31.4	0.154	5.8	0.012	0.004	0.001	19.2	0.004	0.1	0.007	0.002	18.1	0.007
727482.8	1072551.7	519.5	0.135	0.083	31.4	0.159	5.8	0.013	0.004	0.001	19.3	0.004	0.1	0.007	0.002	18.1	0.008
727477.8	1072551.4	519.5	0.139	0.085	31.4	0.163	5.7	0.013	0.004	0.001	19.3	0.004	0.1	0.007	0.002	18.2	0.008
727472.8	1072551.1	519.5	0.144	0.088	31.4	0.168	5.7	0.013	0.004	0.002	19.3	0.005	0.1	0.008	0.002	18.2	0.008
727467.8	1072550.8	519.5	0.148	0.090	31.4	0.174	5.7	0.014	0.004	0.002	19.4	0.005	0.1	0.008	0.003	18.2	0.008
727462.9	1072550.5	519.5	0.153	0.094	31.4	0.180	5.7	0.014	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.3	0.008
727457.9	1072550.2	519.5	0.159	0.097	31.4	0.186	5.6	0.015	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.3	0.009
727452.9	1072549.9	519.5	0.165	0.100	31.4	0.193	5.6	0.015	0.005	0.002	19.4	0.005	0.1	0.008	0.003	18.4	0.009
727447.9	1072549.6	519.5	0.171	0.104	31.4	0.200	5.5	0.016	0.005	0.002	19.5	0.005	0.1	0.009	0.003	18.4	0.009
727442.9	1072549.3	519.6	0.178	0.109	31.4	0.208	5.5	0.017	0.005	0.002	19.5	0.005	0.1	0.009	0.003	18.4	0.009
727437.9	1072549.0	519.6	0.185	0.113	31.4	0.217	5.5	0.017	0.005	0.002	19.5	0.006	0.1	0.009	0.003	18.5	0.010
727432.9	1072548.7	519.6	0.193	0.118	31.4	0.226	5.4	0.018	0.006	0.002	19.5	0.006	0.1	0.009	0.003	18.5	0.010
727427.9	1072548.4	519.6	0.201	0.123	31.4	0.236	5.4	0.019	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.6	0.010
727422.9	1072548.1	519.6	0.210	0.128	31.4	0.246	5.3	0.020	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.6	0.011
727417.9	1072547.8	519.7	0.219	0.134	31.4	0.257	5.3	0.020	0.006	0.002	19.6	0.006	0.1	0.010	0.003	18.7	0.011
727412.9	1072547.5	519.7	0.230	0.140	31.4	0.269	5.2	0.021	0.006	0.002	19.7	0.007	0.1	0.011	0.004	18.7	0.011
727408.0	1072547.2	519.7	0.241	0.147	31.4	0.282	5.2	0.022	0.006	0.002	19.7	0.007	0.1	0.011	0.004	18.7	0.012
727403.0	1072546.9	519.7	0.252	0.154	31.4	0.295	5.1	0.024	0.007	0.002	19.7	0.007	0.1	0.011	0.004	18.8	0.012
727398.0	1072546.6	519.7	0.265	0.161	31.4	0.310	5.1	0.025	0.007	0.002	19.8	0.007	0.1	0.012	0.004	18.8	0.012
727393.0	1072546.3	519.7	0.278	0.170	31.4	0.325	5.0	0.026	0.007	0.003	19.8	0.008	0.1	0.012	0.004	18.9	0.013
727388.0	1072546.0	519.7	0.292	0.178	31.4	0.342	5.0	0.027	0.007	0.003	19.8	0.008	0.1	0.012	0.004	18.9	0.013
727383.0	1072545.7	519.7	0.307	0.187	31.4	0.360	4.9	0.029	0.008	0.003	19.8	0.008	0.1	0.013	0.004	18.9	0.013
727378.0	1072545.4	519.7	0.323	0.197	31.4	0.378	4.9	0.030	0.008	0.003	19.9	0.009	0.1	0.013	0.005	19.0	0.014
727373.0	1072545.1	519.7	0.340	0.208	31.4	0.399	4.9	0.032	0.008	0.003	19.9	0.009	0.1	0.014	0.005	19.0	0.014
727368.0	1072544.8	519.7	0.359	0.219	31.4	0.420	4.8	0.033	0.009	0.003	19.9	0.009	0.1	0.014	0.005	19.1	0.015
727363.0	1072544.5	519.7	0.379	0.231	31.4	0.444	4.8	0.035	0.009	0.003	20.0	0.010	0.1	0.014	0.005	19.1	0.015
727358.0	1072544.2	519.7	0.400	0.244	31.4	0.468	4.8	0.037	0.009	0.003	20.0	0.010	0.1	0.015	0.005	19.2	0.016
727353.1	1072543.8	519.7	0.423	0.258	31.4	0.495	4.8	0.039	0.010	0.004	20.0	0.010	0.1	0.015	0.005	19.2	0.016
727348.1	1072543.5	519.8	0.447	0.273	31.4	0.524	4.7	0.042	0.010	0.004	20.1	0.011	0.1	0.016	0.006	19.3	0.017
727343.1	1072543.2	519.8	0.474	0.289	31.4	0.555	4.7	0.044	0.010	0.004	20.1	0.011	0.1	0.016	0.006	19.3	0.017
727338.1	1072542.9	519.8	0.502	0.307	31.4	0.588	4.7	0.047	0.011	0.004	20.1	0.012	0.1	0.017	0.006	19.3	0.018
727333.1	1072542.6	519.8	0.533	0.325	31.4	0.624	4.7	0.050	0.011	0.004	20.2	0.012	0.1	0.018	0.006	19.4	0.019
727328.1	1072542.3	519.8	0.566	0.346	31.4	0.663	4.7	0.053	0.012	0.004	20.2	0.013	0.1	0.018	0.006	19.4	0.019
727323.1	1072542.0	519.8	0.602	0.368	31.4	0.705	4.7	0.056	0.012	0.005	20.2	0.013	0.1	0.019	0.007	19.5	0.020
727318.1	1072541.7	519.8	0.640	0.392	31.4	0.751	4.7	0.060	0.013	0.005	20.3	0.014	0.1	0.020	0.007	19.5	0.021
727313.1	1072541.4	519.8	0.683	0.417	31.5	0.800	4.7	0.064	0.013	0.005	20.3	0.014	0.1	0.020	0.007	19.6	0.022
727308.1	1072541.1	519.8	0.728	0.446	31.5	0.854	4.7	0.068	0.014	0.005	20.3	0.015	0.1	0.021	0.007	19.6	0.022
727303.1	1072540.8	519.8	0.778	0.476	31.5	0.912	4.7	0.073	0.015	0.005	20.4	0.016	0.1	0.022	0.008	19.7	0.023
727298.2	1072540.5	519.8	0.832	0.510	31.5	0.976	4.8	0.078	0.015	0.006	20.4	0.016	0.1	0.023	0.008	19.7	0.024
727293.2	1072540.2	519.9	0.892	0.546	31.5	1.046	4.8	0.083	0.016	0.006	20.5	0.017	0.1	0.024	0.008	19.8	0.025
727288.2	1072539.9	519.9	0.957	0.587	31.5	1.122	4.8	0.089	0.017	0.006	20.5	0.018	0.1	0.024	0.009	19.8	0.026
727283.2	1072539.6	519.8	1.028	0.631	31.5	1.206	4.8	0.096	0.018	0.007	20.5	0.019	0.1	0.025	0.009	19.9	0.027
727278.2	1072539.3	519.8	1.106	0.679	31.5	1.298	4.9	0.103	0.018	0.007	20.6	0.020	0.1	0.026	0.009	19.9	0.028
727273.2	1072539.0	519.8	1.192	0.732	31.6	1.399	4.9	0.111	0.019	0.007	20.6	0.021	0.1	0.027	0.010	20.0	0.029
727268.2	1072538.7	519.8	1.286	0.791	31.6	1.510	5.0	0.120	0.020	0.008	20.6	0.022	0.1	0.028	0.010	20.0	0.030
727263.2	1072538.4	519.8	1.391	0.856	31.6	1.633	5.0	0.130	0.021	0.008	20.7	0.023	0.1	0.029	0.011	20.1	0.031
727258.2	1072538.1	519.9	1.507	0.929	31.6	1.770	5.1	0.141	0.022	0.008	20.7	0.024	0.1	0.031	0.011	20.1	0.033
727253.2	1072537.8	519.9	1.636	1.009	31.7	1.923	5.2	0.153	0.023	0.009	20.8	0.025	0.1	0.032	0.012	20.2	0.034
727248.2	1072537.5	520.0	1.780	1.099	31.7	2.092	5.3	0.166	0.025	0.009	20.8	0.026	0.1	0.034	0.013	20.3	0.036
727243.3	1072537.2	520.1	1.941	1.200	31.7	2.282	5.3	0.182	0.026	0.010	20.9	0.028	0.1	0.036	0.013	20.3	0.039
727238.3	1072536.9	520.1	2.120	1.313	31.8	2.494	5.4	0.198	0.027	0.010	20.9	0.029	0.1	0.038	0.014	20.4	0.041
727233.3	1072536.6	520.2	2.321	1.440	31.8	2.732	5.5	0.217	0.029	0.011	20.9	0.031	0.1	0.040	0.015	20.5	0.043
727228.3	1072536.3	520.3	2.548	1.583	31.9	3.000	5.7	0.239	0.030	0.012	21.0	0.032	0.1	0.042	0.016	20.5	0.045
727223.3	1072536.0	520.3	2.803	1.745	31.9	3.302	5.8	0.263	0.032	0.012	21.0	0.034	0.1	0.045	0.017	20.6	0.048
727218.3	1072535.7	520.4	3.092	1.929	32.0	3.645	5.9	0.290	0.033	0.013	21.1	0.036	0.1	0.047	0.018	20.6	0.050
727213.3	1072535.4	520.4	3.421	2.139	32.0	4.035	6.0	0.321	0.035	0.014	21.1	0.038	0.1	0.050	0.019	20.7	0.053
727208.3	1072535.1	520.5	3.795	2.380	32.1	4.479	6.2	0.356	0.037	0.014	21.1	0.040	0.1	0.052	0.020	20.8	0.056
727203.3	1072534.8	520.5	4.222	2.656	32.2	4.988	6.4	0.397	0.039	0.015	21.1	0.041	0.1	0.055	0.021	20.8	0.059
727198.3	1072534.5	520.6	4.712	2.975	32.3	5.573	6.5	0.443	0.040	0.016	21.1	0.043	0.1	0.057	0.022	20.8	0.061
727193.3	1072534.2	520.6	5.277	3.344	32.4	6.247	6.7	0.497	0.042	0.016	21.1	0.045	0.1	0.060	0.023	20.9	0.064

727188.4	1072533.9	520.7	5.930	3.775	32.5	7.029	6.9	0.559	0.043	0.017	21.0	0.046	0.1	0.063	0.024	20.8	0.067
727183.4	1072533.6	520.8	6.688	4.279	32.6	7.940	7.2	0.632	0.044	0.017	20.8	0.047	0.2	0.065	0.025	20.8	0.069
727178.4	1072533.3	520.9	7.574	4.873	32.8	9.006	7.4	0.717	0.044	0.017	20.6	0.047	0.3	0.067	0.025	20.7	0.072
727173.4	1072533.0	520.9	8.611	5.577	32.9	10.259	7.6	0.816	0.044	0.016	20.1	0.047	0.6	0.068	0.025	20.4	0.073
727168.4	1072532.7	521.0	9.831	6.415	33.1	11.739	7.9	0.934	0.042	0.015	19.3	0.045	1.2	0.068	0.025	20.0	0.073
727163.4	1072532.4	521.1	11.273	7.420	33.4	13.496	8.2	1.074	0.039	0.013	17.8	0.041	2.4	0.067	0.023	19.1	0.071
727158.4	1072532.1	521.2	12.984	8.632	33.6	15.592	8.4	1.241	0.033	0.009	15.0	0.035	5.8	0.062	0.020	17.5	0.065
727153.4	1072531.8	521.2	15.011	10.096	33.9	18.090	8.7	1.440	0.025	0.006	12.9	0.025	18.0	0.054	0.013	14.0	0.055
727148.4	1072531.5	521.3	17.428	11.878	34.3	21.091	9.0	1.678	0.015	0.012	38.7	0.019	76.4	0.039	0.003	4.7	0.039
727143.4	1072531.2	521.3	20.315	14.061	34.7	24.706	9.2	1.966	0.022	0.027	51.3	0.035	22.3	0.018	-0.013	-35.2	0.022
727138.4	1072530.9	521.3	23.764	16.741	35.2	29.069	9.4	2.313	0.051	0.051	45.3	0.072	6.7	-0.014	-0.037	69.2	0.039
727133.5	1072530.6	521.3	27.876	20.034	35.7	34.328	9.5	2.732	0.095	0.087	42.6	0.128	2.3	-0.059	-0.073	51.0	0.094
727128.5	1072530.3	521.4	32.745	24.063	36.3	40.636	9.4	3.234	0.155	0.139	41.9	0.208	0.5	-0.121	-0.125	46.0	0.174
727123.5	1072530.0	521.4	38.436	28.935	37.0	48.110	9.1	3.828	0.235	0.212	42.1	0.317	0.5	-0.203	-0.200	44.6	0.285
727118.5	1072529.7	521.4	44.934	34.685	37.7	56.763	8.6	4.517	0.335	0.311	42.8	0.457	1.0	-0.307	-0.301	44.4	0.431
727113.5	1072529.4	521.5	52.074	41.183	38.3	66.391	7.7	5.283	0.452	0.434	43.8	0.627	1.3	-0.430	-0.429	45.0	0.607
727108.5	1072529.1	521.4	59.270	47.852	38.9	76.176	6.4	6.062	0.574	0.571	44.8	0.809	1.3	-0.550	-0.564	45.7	0.788
727103.5	1072528.8	521.4	65.819	53.893	39.3	85.068	4.8	6.769	0.678	0.694	45.7	0.971	1.2	-0.651	-0.682	46.3	0.943
727098.5	1072528.5	521.4	70.755	58.203	39.4	91.618	2.9	7.291	0.740	0.768	46.1	1.067	1.0	-0.708	-0.750	46.7	1.032
727093.5	1072528.2	521.4	73.275	59.882	39.3	94.632	1.0	7.531	0.740	0.766	46.0	1.065	1.1	-0.703	-0.743	46.6	1.023
727088.5	1072527.9	521.4	73.224	58.799	38.8	93.910	0.7	7.473	0.680	0.689	45.4	0.968	1.3	-0.640	-0.663	46.0	0.922
727083.5	1072527.6	521.3	71.159	55.651	38.0	90.336	1.9	7.189	0.581	0.567	44.3	0.812	1.6	-0.539	-0.541	45.1	0.764
727078.6	1072527.3	521.3	67.991	51.515	37.1	85.303	2.7	6.788	0.469	0.437	43.0	0.641	1.7	-0.428	-0.413	44.0	0.595
727073.6	1072527.0	521.3	64.589	47.357	36.2	80.091	2.9	6.373	0.366	0.324	41.5	0.489	1.7	-0.328	-0.304	42.8	0.447
727068.6	1072526.7	521.3	61.588	43.834	35.4	75.594	2.5	6.016	0.286	0.240	40.0	0.373	1.6	-0.251	-0.224	41.7	0.336
727063.6	1072526.4	521.3	59.379	41.315	34.8	72.338	1.7	5.756	0.232	0.186	38.8	0.297	1.1	-0.201	-0.174	40.9	0.266
727058.6	1072526.1	521.2	58.169	39.969	34.5	70.577	0.6	5.616	0.207	0.163	38.1	0.263	0.3	-0.181	-0.154	40.5	0.238
727053.6	1072525.8	521.2	58.024	39.841	34.5	70.385	0.6	5.601	0.212	0.167	38.3	0.270	0.7	-0.188	-0.161	40.6	0.247
727048.6	1072525.5	521.2	58.897	40.880	34.8	71.694	1.6	5.705	0.244	0.199	39.2	0.315	1.3	-0.222	-0.194	41.1	0.295
727043.6	1072525.2	521.2	60.633	42.937	35.3	74.296	2.3	5.912	0.302	0.257	40.4	0.397	1.6	-0.281	-0.253	41.9	0.378
727038.6	1072524.9	521.1	62.927	45.729	36.0	77.788	2.5	6.190	0.382	0.341	41.8	0.512	1.6	-0.361	-0.335	42.9	0.492
727033.6	1072524.6	521.1	65.345	48.819	36.8	81.568	2.2	6.491	0.475	0.443	43.0	0.650	1.5	-0.452	-0.436	43.9	0.628
727028.6	1072524.3	521.1	67.279	51.563	37.5	84.766	1.4	6.745	0.568	0.552	44.1	0.792	1.4	-0.543	-0.541	44.9	0.766
727023.7	1072524.0	521.1	68.022	53.174	38.0	86.339	0.2	6.871	0.643	0.642	44.9	0.909	1.1	-0.613	-0.626	45.6	0.876
727018.7	1072523.7	521.0	66.970	52.948	38.3	85.373	1.4	6.794	0.680	0.688	45.3	0.967	1.0	-0.644	-0.665	45.9	0.926
727013.7	1072523.4	521.0	63.898	50.599	38.4	81.506	3.1	6.486	0.666	0.673	45.3	0.946	1.0	-0.625	-0.645	45.9	0.898
727008.7	1072523.1	521.0	59.094	46.430	38.2	75.152	4.8	5.980	0.605	0.601	44.8	0.853	1.1	-0.560	-0.571	45.5	0.800
727003.7	1072522.8	520.9	53.217	41.172	37.7	67.285	6.2	5.354	0.513	0.496	44.0	0.713	1.2	-0.467	-0.466	44.9	0.660
726998.7	1072522.5	520.9	46.973	35.600	37.2	58.939	7.3	4.690	0.409	0.383	43.1	0.561	1.1	-0.364	-0.356	44.3	0.509
726993.7	1072522.2	520.9	40.900	30.283	36.5	50.891	8.1	4.050	0.310	0.281	42.2	0.419	0.9	-0.266	-0.256	43.9	0.370
726988.7	1072521.9	520.9	35.319	25.533	35.9	43.582	8.6	3.468	0.223	0.198	41.6	0.299	0.5	-0.182	-0.176	44.0	0.253
726983.7	1072521.6	520.8	30.373	21.453	35.2	37.185	8.9	2.959	0.153	0.135	41.4	0.204	0.2	-0.114	-0.115	45.2	0.162
726978.7	1072521.3	520.8	26.099	18.041	34.7	31.728	8.9	2.525	0.098	0.088	41.9	0.132	1.5	-0.062	-0.071	49.0	0.094
726973.7	1072521.0	520.8	22.440	15.210	34.1	27.109	8.9	2.157	0.057	0.055	44.0	0.080	4.1	-0.023	-0.040	60.3	0.046
726968.8	1072520.7	520.8	19.328	12.872	33.7	23.222	8.8	1.848	0.028	0.032	49.1	0.043	11.6	0.006	-0.019	-73.3	0.019
726963.8	1072520.4	520.9	16.691	10.945	33.3	19.960	8.6	1.588	0.011	0.017	55.6	0.020	44.7	0.026	-0.004	-8.2	0.026
726958.8	1072520.1	520.9	14.459	9.353	32.9	17.221	8.4	1.370	0.015	0.007	23.7	0.017	43.4	0.040	0.006	8.9	0.041
726953.8	1072519.8	520.9	12.569	8.034	32.6	14.917	8.1	1.187	0.024	0.005	10.8	0.025	11.5	0.050	0.013	14.6	0.052
726948.8	1072519.5	520.9	10.966	6.936	32.3	12.975	7.9	1.033	0.031	0.008	14.5	0.032	4.5	0.056	0.017	17.2	0.059
726943.8	1072519.2	520.9	9.601	6.017	32.1	11.331	7.7	0.902	0.035	0.011	17.0	0.036	2.2	0.060	0.020	18.5	0.063
726938.8	1072518.9	520.9	8.436	5.245	31.9	9.934	7.4	0.790	0.037	0.012	18.4	0.039	1.2	0.062	0.022	19.3	0.065
726933.8	1072518.6	520.8	7.439	4.593	31.7	8.742	7.2	0.696	0.038	0.013	19.3	0.041	0.7	0.062	0.022	19.8	0.066
726928.8	1072518.3	520.8	6.582	4.039	31.5	7.723	7.0	0.615	0.039	0.014	19.8	0.041	0.4	0.062	0.023	20.0	0.066
726923.8	1072518.0	520.8	5.845	3.567	31.4	6.847	6.8	0.545	0.038	0.014	20.1	0.041	0.3	0.061	0.022	20.2	0.065
726918.8	1072517.7	520.9	5.208	3.163	31.3	6.093	6.6	0.485	0.037	0.014	20.3	0.040	0.2	0.060	0.022	20.3	0.064
726913.9	1072517.4	520.9	4.654	2.815	31.2	5.439	6.4	0.433	0.036	0.014	20.4	0.039	0.1	0.058	0.022	20.4	0.062
726908.9	1072517.1	520.8	4.170	2.513	31.1	4.868	6.3	0.387	0.035	0.013	20.5	0.038	0.1	0.056	0.021	20.4	0.060
726903.9	1072516.8	520.8	3.747	2.251	31.0	4.371	6.1	0.348	0.034	0.013	20.6	0.036	0.1	0.054	0.020	20.4	0.057
726898.9	1072516.5	520.8	3.376	2.023	30.9	3.936	5.9	0.313	0.032	0.012	20.6	0.035	0.1	0.051	0.019	20.4	0.055
726893.9	1072516.2	520.7	3.050	1.823	30.9	3.554	5.8	0.283	0.031	0.012	20.6	0.033	0.1	0.049	0.018	20.4	0.052
726888.9	1072515.9	520.7	2.763	1.648	30.8	3.217	5.7	0.256	0.030	0.011	20.6	0.032	0.1	0.047	0.017	20.4	0.050
726883.9	1072515.6	520.7	2.510	1.494	30.8	2.921	5.5	0.232	0.028	0.011	20.6	0.030	0.1	0.045	0.017	20.4	0.048
726878.9	1072515.3	520.7	2.285	1.358	30.7	2.658	5.4	0.212	0.027	0.010	20.6	0.029	0.1	0.043	0.016	20.4	0.046
726873.9	1072515.0	520.7	2.085	1.238	30.7	2.425	5.3	0.193	0.026	0.010	20.6	0.027	0.1	0.042	0.015	20.3	0.044
726868.9	1072514.7	520.7	1.906	1.130	30.7	2.216	5.2	0.176	0.024	0.009	20.6	0.026	0.1	0.040	0.015	20.3	0.042
726863.9	1072514.4	520.6	1.747	1.035	30.6	2.030	5.1	0.162	0.023	0.009	20.6	0.025	0.1	0.038	0.014	20.3	0.040
726859.0	1072514.1	520.5	1.604	0.949	30.6	1.864	5.0	0.148	0.022	0.008	20.5	0.024	0.1	0.036	0.013	20.3	0.038
726854.0	1072513.8	520.5	1.476	0.873	30.6	1.714	4.9	0.136	0.021	0.008	20.5	0.023	0.1	0.034	0.012	20.2	0.036
726849.0	1072513.5	520.5	1.361	0.804	30.6	1.581	4.8	0.126	0.020	0.008	20.5	0.021	0.1	0.033	0.012	20.2	0.035

726844.0	1072513.2	520.5	1.257	0.743	30.6	1.460	4.8	0.116	0.019	0.007	20.5	0.020	0.1	0.031	0.012	20.2	0.033
726839.0	1072512.8	520.5	1.164	0.687	30.6	1.352	4.7	0.108	0.018	0.007	20.5	0.020	0.1	0.030	0.011	20.2	0.032
726834.0	1072512.5	520.5	1.079	0.637	30.6	1.253	4.6	0.100	0.017	0.007	20.4	0.019	0.1	0.029	0.011	20.1	0.031
726829.0	1072512.2	520.5	1.003	0.592	30.6	1.165	4.5	0.093	0.017	0.006	20.4	0.018	0.1	0.028	0.010	20.1	0.030
726824.0	1072511.9	520.5	0.934	0.551	30.6	1.084	4.5	0.086	0.016	0.006	20.4	0.017	0.1	0.027	0.010	20.1	0.029
726819.0	1072511.6	520.5	0.871	0.514	30.6	1.011	4.4	0.080	0.015	0.006	20.4	0.016	0.1	0.026	0.010	20.1	0.028
726814.0	1072511.3	520.6	0.813	0.480	30.6	0.944	4.3	0.075	0.015	0.005	20.4	0.016	0.0	0.025	0.009	20.0	0.027
726809.0	1072511.0	520.6	0.761	0.449	30.6	0.884	4.3	0.070	0.014	0.005	20.3	0.015	0.0	0.024	0.009	20.0	0.026
726804.1	1072510.7	520.6	0.714	0.421	30.6	0.829	4.2	0.066	0.013	0.005	20.3	0.014	0.0	0.024	0.009	20.0	0.025
726799.1	1072510.4	520.7	0.670	0.396	30.6	0.778	4.2	0.062	0.013	0.005	20.3	0.014	0.0	0.023	0.008	20.0	0.025
726794.1	1072510.1	520.8	0.631	0.373	30.6	0.733	4.1	0.058	0.012	0.005	20.3	0.013	0.0	0.023	0.008	20.0	0.024
726789.1	1072509.8	520.9	0.595	0.351	30.6	0.691	4.1	0.055	0.012	0.004	20.3	0.012	0.0	0.022	0.008	20.0	0.024
726784.1	1072509.5	521.0	0.561	0.332	30.6	0.652	4.0	0.052	0.011	0.004	20.3	0.012	0.0	0.022	0.008	20.0	0.023
726779.1	1072509.2	521.1	0.531	0.314	30.6	0.617	4.0	0.049	0.011	0.004	20.2	0.011	0.0	0.021	0.008	19.9	0.023
726774.1	1072508.9	521.2	0.503	0.297	30.6	0.584	3.9	0.046	0.010	0.004	20.2	0.011	0.0	0.021	0.008	19.9	0.022
726769.1	1072508.6	521.3	0.477	0.282	30.6	0.555	3.9	0.044	0.010	0.004	20.2	0.011	0.0	0.020	0.007	19.9	0.022
726764.1	1072508.3	521.4	0.454	0.268	30.6	0.527	3.8	0.042	0.010	0.004	20.2	0.010	0.0	0.020	0.007	19.9	0.021
726759.1	1072508.0	521.5	0.432	0.256	30.6	0.502	3.8	0.040	0.009	0.003	20.2	0.010	0.0	0.020	0.007	19.9	0.021
726754.1	1072507.7	521.6	0.412	0.244	30.6	0.479	3.7	0.038	0.009	0.003	20.2	0.009	0.0	0.019	0.007	19.9	0.020
726749.2	1072507.4	521.6	0.393	0.233	30.6	0.457	3.7	0.036	0.009	0.003	20.2	0.009	0.0	0.019	0.007	19.9	0.020
726744.2	1072507.1	521.7	0.376	0.223	30.6	0.437	3.7	0.035	0.008	0.003	20.1	0.009	0.0	0.018	0.007	19.9	0.020
726739.2	1072506.8	521.8	0.360	0.213	30.6	0.419	3.6	0.033	0.008	0.003	20.1	0.008	0.0	0.018	0.006	19.8	0.019
726734.2	1072506.5	521.9	0.346	0.205	30.6	0.402	3.6	0.032	0.008	0.003	20.1	0.008	0.0	0.018	0.006	19.8	0.019
726729.2	1072506.2	522.0	0.332	0.197	30.6	0.386	3.5	0.031	0.007	0.003	20.1	0.008	0.0	0.017	0.006	19.8	0.018
726724.2	1072505.9	522.0	0.320	0.189	30.6	0.372	3.5	0.030	0.007	0.003	20.1	0.008	0.0	0.017	0.006	19.8	0.018
726719.2	1072505.6	522.1	0.308	0.183	30.6	0.358	3.4	0.029	0.007	0.002	20.1	0.007	0.0	0.016	0.006	19.8	0.017
726714.2	1072505.3	522.2	0.297	0.176	30.6	0.346	3.4	0.028	0.007	0.002	20.1	0.007	0.0	0.016	0.006	19.8	0.017
726709.2	1072505.0	522.3	0.288	0.170	30.6	0.334	3.3	0.027	0.006	0.002	20.1	0.007	0.0	0.016	0.006	19.9	0.017
726704.2	1072504.7	522.4	0.279	0.165	30.6	0.324	3.3	0.026	0.006	0.002	20.1	0.007	0.0	0.015	0.006	19.9	0.016
726699.2	1072504.4	522.5	0.270	0.160	30.6	0.314	3.3	0.025	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.9	0.016
726694.3	1072504.1	522.6	0.262	0.155	30.6	0.304	3.2	0.024	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.8	0.016
726689.3	1072503.8	522.6	0.254	0.151	30.6	0.296	3.2	0.024	0.006	0.002	20.1	0.006	0.0	0.015	0.005	19.8	0.015
726684.3	1072503.5	522.7	0.247	0.146	30.6	0.287	3.2	0.023	0.005	0.002	20.1	0.006	0.0	0.014	0.005	19.8	0.015
726679.3	1072503.2	522.8	0.241	0.142	30.6	0.280	3.1	0.022	0.005	0.002	20.1	0.006	0.0	0.014	0.005	19.8	0.015
726674.3	1072502.9	522.9	0.235	0.139	30.6	0.273	3.1	0.022	0.005	0.002	20.1	0.005	0.0	0.014	0.005	19.8	0.015
726669.3	1072502.6	523.0	0.229	0.135	30.6	0.266	3.1	0.021	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726664.3	1072502.3	523.1	0.224	0.132	30.6	0.260	3.0	0.021	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726659.3	1072502.0	523.2	0.218	0.129	30.6	0.254	3.0	0.020	0.005	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726654.3	1072501.7	523.3	0.214	0.126	30.6	0.248	3.0	0.020	0.004	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.014
726649.3	1072501.4	523.4	0.209	0.123	30.6	0.243	2.9	0.019	0.004	0.002	20.0	0.005	0.0	0.013	0.005	19.8	0.013
726644.3	1072501.1	523.5	0.205	0.121	30.5	0.238	2.9	0.019	0.004	0.002	20.0	0.004	0.0	0.012	0.004	19.8	0.013
726639.4	1072500.8	523.7	0.201	0.119	30.5	0.233	2.9	0.019	0.004	0.001	20.0	0.004	0.0	0.012	0.004	19.8	0.013
726634.4	1072500.5	523.8	0.197	0.116	30.5	0.229	2.9	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.013
726629.4	1072500.2	524.0	0.194	0.114	30.5	0.225	2.8	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.013
726624.4	1072499.9	524.2	0.190	0.112	30.5	0.221	2.8	0.018	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.013
726619.4	1072499.6	524.4	0.187	0.110	30.5	0.217	2.8	0.017	0.004	0.001	20.0	0.004	0.1	0.012	0.004	19.7	0.012
726614.4	1072499.3	524.5	0.184	0.108	30.5	0.213	2.7	0.017	0.004	0.001	19.9	0.004	0.1	0.012	0.004	19.7	0.012
726609.4	1072499.0	524.7	0.181	0.106	30.5	0.210	2.7	0.017	0.003	0.001	19.9	0.004	0.1	0.011	0.004	19.7	0.012
726604.4	1072498.7	524.9	0.178	0.105	30.4	0.207	2.7	0.016	0.003	0.001	19.9	0.004	0.1	0.011	0.004	19.7	0.012
726599.4	1072498.4	525.0	0.175	0.103	30.4	0.203	2.7	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726594.4	1072498.1	525.2	0.173	0.101	30.4	0.200	2.7	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726589.4	1072497.8	525.4	0.170	0.100	30.4	0.197	2.6	0.016	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726584.5	1072497.5	525.6	0.168	0.098	30.4	0.195	2.6	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.012
726579.5	1072497.2	525.8	0.166	0.097	30.4	0.192	2.6	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726574.5	1072496.9	526.0	0.163	0.096	30.4	0.189	2.6	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726569.5	1072496.6	526.2	0.161	0.094	30.4	0.187	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726564.5	1072496.3	526.5	0.159	0.093	30.4	0.184	2.5	0.015	0.003	0.001	19.9	0.003	0.1	0.011	0.004	19.7	0.011
726559.5	1072496.0	526.7	0.157	0.092	30.3	0.182	2.5	0.014	0.003	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726554.5	1072495.7	527.0	0.155	0.091	30.3	0.180	2.5	0.014	0.003	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726549.5	1072495.4	527.2	0.153	0.090	30.3	0.178	2.5	0.014	0.002	0.001	19.9	0.003	0.1	0.010	0.004	19.7	0.011
726544.5	1072495.1	527.4	0.151	0.089	30.3	0.175	2.4	0.014	0.002	0.001	19.8	0.003	0.1	0.010	0.004	19.7	0.011
726539.5	1072494.8	527.7	0.150	0.087	30.3	0.173	2.4	0.014	0.002	0.001	19.8	0.003	0.1	0.010	0.004	19.7	0.011
726534.5	1072494.5	527.9	0.148	0.086	30.3	0.171	2.4	0.014	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.7	0.011
726529.6	1072494.2	528.2	0.146	0.085	30.3	0.169	2.4	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.011
726524.6	1072493.9	528.4	0.145	0.084	30.3	0.167	2.4	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.011
726519.6	1072493.6	528.6	0.143	0.083	30.3	0.166	2.4	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.004	19.6	0.010
726514.6	1072493.3	528.8	0.141	0.082	30.3	0.164	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010
726509.6	1072493.0	528.9	0.140	0.082	30.3	0.162	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010
726504.6	1072492.7	529.1	0.138	0.081	30.2	0.160	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.010	0.003	19.6	0.010

726499.6	1072492.4	529.3	0.137	0.080	30.2	0.158	2.3	0.013	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726494.6	1072492.1	529.5	0.135	0.079	30.2	0.157	2.3	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726489.6	1072491.8	529.7	0.134	0.078	30.2	0.155	2.3	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726484.6	1072491.5	529.9	0.133	0.077	30.2	0.153	2.2	0.012	0.002	0.001	19.8	0.002	0.1	0.009	0.003	19.6	0.010
726479.6	1072491.2	530.2	0.124	0.072	30.2	0.144	1.4	0.011	0.002	0.001	20.1	0.002	0.1	0.009	0.003	20.0	0.009
726474.7	1072490.9	530.4	0.122	0.071	30.2	0.142	1.4	0.011	0.002	0.001	20.1	0.002	0.1	0.009	0.003	19.9	0.009
726469.7	1072490.6	530.6	0.053	0.030	29.3	0.061	6.2	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726464.7	1072490.3	530.8	0.052	0.029	29.3	0.059	6.2	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726459.7	1072490.0	531.0	0.050	0.028	29.3	0.058	6.3	0.005	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726454.7	1072489.7	531.2	0.049	0.027	29.3	0.056	6.4	0.004	0.002	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726449.7	1072489.4	531.3	0.048	0.027	29.3	0.055	6.4	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.009
726444.7	1072489.1	531.5	0.046	0.026	29.3	0.053	6.5	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.008
726439.7	1072488.8	531.6	0.045	0.025	29.2	0.052	6.6	0.004	0.001	0.001	20.5	0.002	0.0	0.008	0.003	20.6	0.008
726434.7	1072488.5	531.7	0.044	0.025	29.2	0.050	6.6	0.004	0.001	0.001	20.5	0.001	0.0	0.008	0.003	20.6	0.008
726429.7	1072488.2	531.9	0.043	0.024	29.2	0.049	6.7	0.004	0.001	0.001	20.5	0.001	0.0	0.008	0.003	20.6	0.008
726424.7	1072487.9	532.0	0.042	0.023	29.2	0.048	6.8	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726419.8	1072487.6	532.1	0.041	0.023	29.2	0.047	6.8	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726414.8	1072487.3	532.2	0.040	0.022	29.2	0.046	6.9	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726409.8	1072487.0	532.3	0.039	0.022	29.2	0.044	7.0	0.004	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.008
726404.8	1072486.7	532.3	0.038	0.021	29.2	0.043	7.0	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726399.8	1072486.4	532.4	0.037	0.021	29.2	0.042	7.1	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726394.8	1072486.1	532.5	0.036	0.020	29.2	0.041	7.2	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.003	20.6	0.007
726389.8	1072485.8	532.5	0.035	0.020	29.2	0.040	7.2	0.003	0.001	0.000	20.5	0.001	0.0	0.007	0.002	20.6	0.007
726384.8	1072485.5	532.5	0.034	0.019	29.1	0.039	7.3	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726379.8	1072485.2	532.6	0.034	0.019	29.1	0.038	7.4	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726374.8	1072484.9	532.6	0.033	0.018	29.1	0.038	7.4	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726369.8	1072484.6	532.6	0.032	0.018	29.1	0.037	7.5	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.007
726364.9	1072484.3	532.6	0.031	0.017	29.1	0.036	7.6	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.006
726359.9	1072484.0	532.6	0.031	0.017	29.1	0.035	7.6	0.003	0.001	0.000	20.5	0.001	0.0	0.006	0.002	20.6	0.006
726354.9	1072483.7	532.6	0.061	0.034	29.4	0.069	3.8	0.006	0.001	0.000	20.5	0.001	0.0	0.004	0.002	20.5	0.005
726349.9	1072483.4	532.6	0.059	0.033	29.4	0.068	3.9	0.005	0.001	0.000	20.5	0.001	0.0	0.004	0.002	20.5	0.005
726344.9	1072483.1	532.6	0.083	0.048	30.0	0.095	1.2	0.008	0.001	0.000	20.3	0.001	0.0	0.003	0.001	20.4	0.004