GROUND GEOPHYSICAL SURVEYS

on the

KAREN 6 & 7 and SHUKSAN 1 & 4 MINERAL CLAIMS

Spruce Creek Atlin, B.C.

Lat: 59°30'
Long: 133°30'W

NTS: 104N-11W, -12E

Owned by: Surprise Lake Exploration Syndicate
Optioned by: Placer Development Limited

Scott Geophysics Ltd.
J.M. Thornton

July, 1987

ARIS SUMMARY SHEET

District Geologist, Smithers — Off Confidential: 89.03.03

ASSESSMENT REPORT 17146 — MINING DIVISION: Atlin

PROPERTY: Spruce Creek (Shuksan)
LOCATION: LAT 59 32 50 LONG 133 28 57
UTM 08 6601760 585794
NTS 104N11W 104N12E
CLAIM(S): Shuksan 1,Shuksan 4,Karen 6-7
OPERATOR(S): Placer Dev.
AUTHOR(S): Thornton, J.M.
REPORT YEAR: 1987, 101 Pages
COMMODITIES SEARCHED FOR: Gold
GEOLOGICAL SUMMARY:

A tongue of serpentinized ultramafic rock of the Permo-Pennsylvanian Atlin Intrusions extends northeasterly from the ultramafic body on Union Mountain, under the valley of Dominion Creek. Locally the rocks are intensely carbonate altered. Shear zones trend northeasterly. The country rock is believed to be greenstone and minor metasediments of the similar aged Cache Creek Group.

WORK DONE:
Geophysical
EMGR 37.2 km;VLF
Map(s) - 8; Scale(s) - 1:5000,1:2500
IPOL 2.9 km
Map(s) - 8; Scale(s) - 1:2500,1:1000
MAGG 37.2 km
Map(s) - 7; Scale(s) - 1:5000,1:2500

RELATED REPORTS: 10502,11138,11511,13410,15062,15545,16006
MINFILE: 104N 098

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Summary

Detailed ground magnetometer and VLF surveys were carried out on approximately 37.2 km of line to investigate the anomalous conditions observed in the 1985 and 1986 geophysical surveys. Two anomalous magnetic zones were noted, and these were inferred to be unaltered ultra-mafics. Several formational VLF structures were observed. The variation in the in-phase response near Spruce Creek indicates a break, possibly the location of the paleo-channel along which the Nolan mine placer workings followed.

Introduction

The 1986 ground surveys indicated anomalous conditions near the poorly controlled border between Grids 1 and 2. Grid 2 was extended 600 meters to the north from the existing base-line (Azim 240), with lines cut and picketed every 50 meters from Line 0 to 30+00W.

Magnetometer and VLF readings were taken at 10 meter intervals on these lines. As before, line cutting was contracted to D. Hayward of Atlin, B.C.

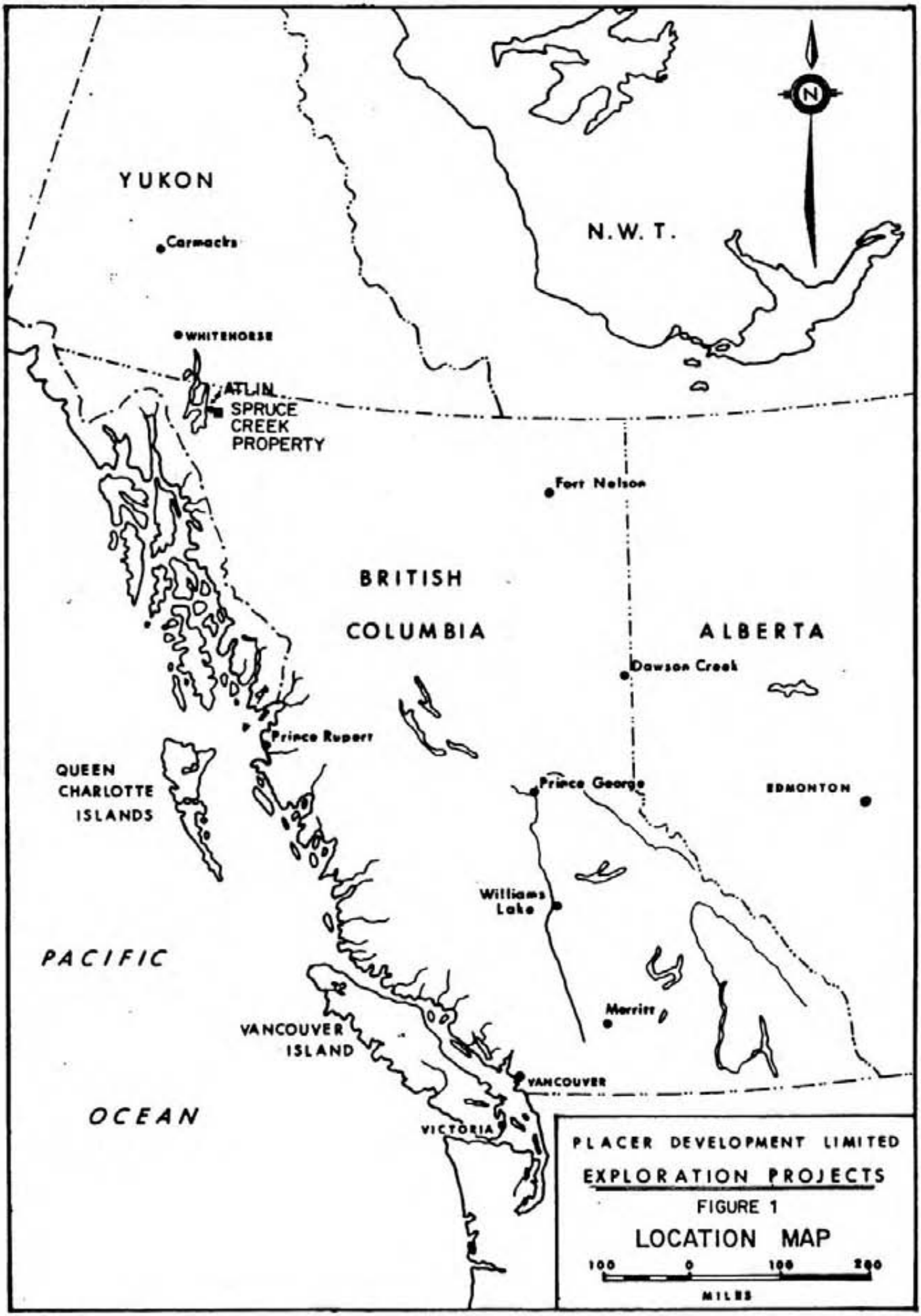
Location and Access

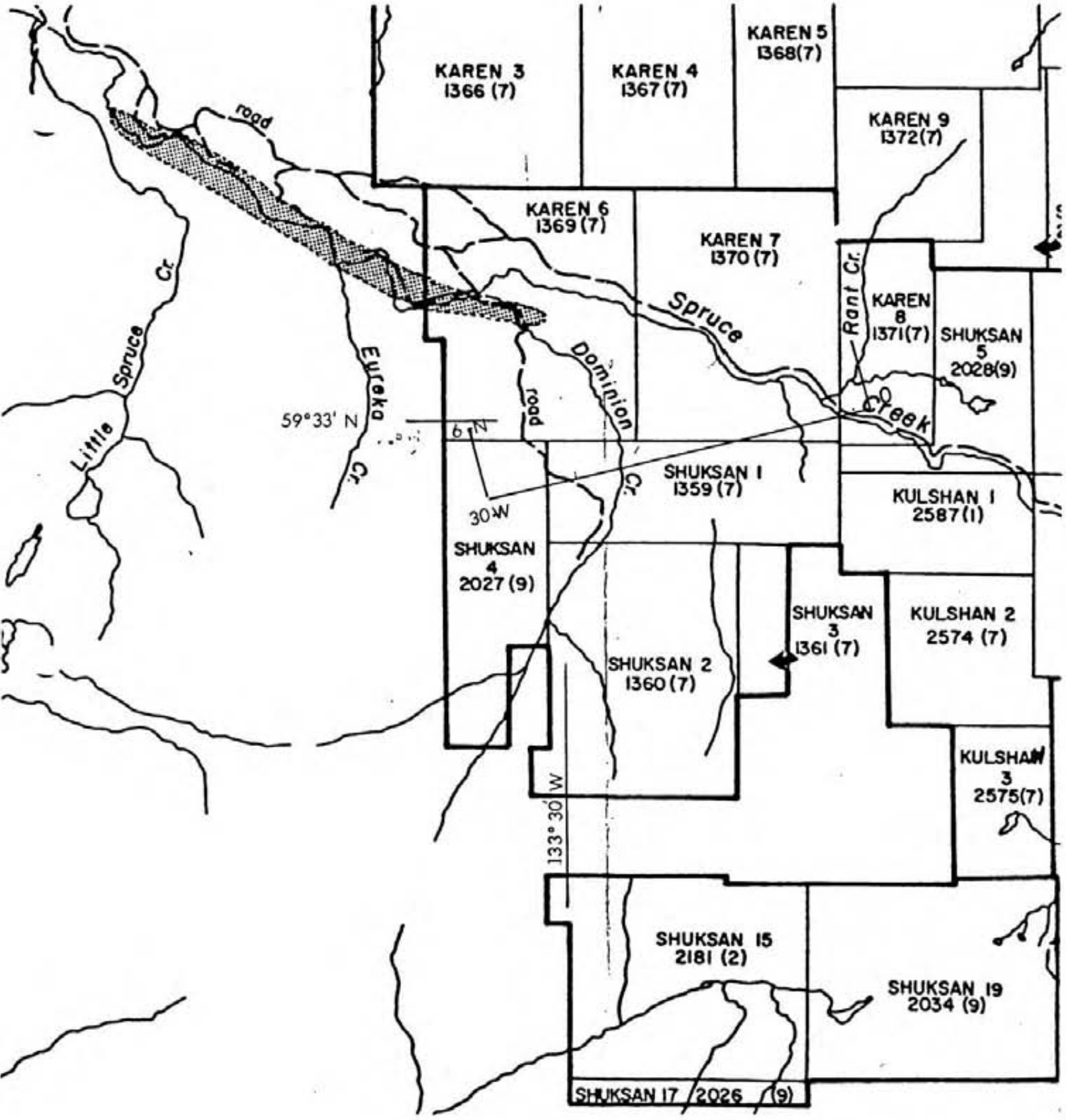
The property encompasses an area including the confluence of Dominion and Spruce Creeks. The property boundary extends south roughly 3 km, and east approximately 4 km from the old Nolan minesite. Access to the central part of the 1987 survey area is via a 4WD road from the Nolan mine. The Blue Canyon road provides good 2 wheel drive access to the eastern part of the survey area.

Claims Status

The property consists of the following claims in good standing:

NAME	UNITS	ANNIV. DATE	RECORD NO.
Shuksan 1	12	July 28	1359
Shuksan 2	20	July 28	1360
Shuksan 3	3	July 28	1361
Shuksan 4	12	Sept 2	2027
Shuksan 5	16	Sept 2	2028
Shuksan 6	20	Sept 2	2016
Shuksan 7	20	Sept 2	2023
Karen 6	20	July 28	1369
Karen 7	20	July 28	1370
Karen 8	6	July 28	1371


YUKON
N.W.T.
Carmacks
WHITEHORSE
ATLIN
SPRUCE
CREEK
PROPERTY
Fort Nelson
BRITISH
COLUMBIA
ALBERTA
Dawson Creek
Prince Rupert
QUEEN
CHARLOTTE
ISLANDS
Prince George
EDMONTON
Williams
Lake
PACIFIC
Merritt
VANCOUVER
ISLAND
VANCOUVER
OCEAN
VICTORIA
PLACER DEVELOPMENT LIMITED
EXPLORATION PROJECTS
FIGURE 1
LOCATION MAP
100 0 100 200
MILES



CLAIM MAP
SHOWING GRID LOCATION
NTS 104N-11,12

FIGURE 2

NAME	UNITS	ANNIV. DATE	RECORD NO.
Kulshan 1	8	Jan 27	2587
Kulshan 2	12	July 15	2574
Kulshan 3	8	July 15	2575

Geophysical Surveys

A ground magnetometer survey was performed along 37.2 km of line. Readings were taken at 10 meter intervals, facing grid east to minimize orientation errors. Field data was corrected for drift using the data from a recording base station magnetometer.

A VLF survey employing the transmitting stations at Lualualei, Hawaii (and Cutler, Maine) was performed simultaneously with the magnetometer survey. The direction to Hawaii was 215 degrees.

Lines 3+00W to 5+50W were surveyed using Cutler, Maine (direction 70 deg) due to Hawaii being off-air. Although the signal was weak, good readings were obtained.

Readings were taken facing easterly to provide the normal crossovers (positive to negative transition traversing south to north). The signs of the in-phase and quadrature data from Cutler were reversed for compatibility with the Hawaii data.

Seven lines of Induced Polarization data were gathered using an "A" spacing of 20 meters in a pole-dipole array. Six dipoles were read simultaneously. Five of the lines are over anomalous areas observed in earlier surveys.

Transmitted waveform was the standard 2 sec on/off cycle.

Ten resistivity soundings were performed in part to test the applicability of the method and to gather additional information about the overburden cover. Two IP lines are concurrent.

Equipment Used

The magnetometer survey used an IGS system manufactured by Scintrex (Serial number 8412233). Data is stored internally, with time, by line and station. A base station magnetometer (Scintrex MP-3), sampling at a 6 second interval, was used to monitor the diurnal variation. At the start of a survey day, the clocks within the two instruments were synchronized. At the end of a survey day, diurnal drift was removed by plugging the field and base units together. Internal software in the computer-based instruments performed the corrections to the

field data to an accuracy of 0.1 nT.

VLF data was gathered by a VLF board in the IGS system. Once the magnetometer data has been stored the instrument switches to VLF mode. It can be programmed to gather data for up to 3 stations. Programmed for 1 station, Hawaii (23.4 kHz), it gathered In phase, Quadrature and Horizontal Field Strength, storing the data interally by line and station.

Data was transferred from the IGS to an IBM-PC for editing and later processing. Field plots of mag and VLF were made on selected lines to monitor data quality.

Induced Polarization surveys were performed with an IPR-11 receiver and IPC-7 trasmitter-generator (2.5 KW). The IPR-11 is a micro-processor based IP receiver capable of measuring six dipoles at once. Ten channels (or windows) of chargeability are gathered and stored internally along with the SP and resistivity at each dipole.

Resistivity soundings were performed using the above mentioned Induced Polarization transmitter-generator and a Scintrex IPR-8 receiver. An expanding Wenner array was used to gather the resistivity data. Array spacings of 1, 2, 3, 5, 7, 10, 15, 20, 30, 50, 70, and 100 meters were used.

Survey Results

Data was plotted with the use of software proprietary to Scott Geophysics on a Houston Instruments DMP-42 plotter, with the exception of the Induced Polarization profiles which were plotted on a dot matrix printer.

Magnetometer data was plotted as stacked profiles at a scale of 1:2500 and as a contour map at 1:2500 and 1:5000.

The VLF data was plotted as stacked profiles of In-phase and Quadrature at a scale of 1:2500.

The In-phase data was subjected to the "Fraser Filter" technique. During the filtering process, the data was re-sampled to a 15 meter interval using a spline technique to determine the data values between survey stations as needed. Filtering was performed in accordance with the method put forth by D.C. Fraser (1969, Contouring of VLF-EM Data, Geophysics v. 34 pp 958-967). Filtered results were plotted as stacked profiles at a scale of 1:2500 and as a contour map at scales of 1:2500 and 1:5000.

Induced Polarization data, resistivity and chargeability (M7) was ploted as pseudo-sections at a scale of 1:2000. This chargeability, the eighth channel (700-1100 msec), closely

approximates the Newmont standard (690-1050 msec).

Spectral Analysis of the IP data was performed, listed in Appendix B. The Cole-Cole parameters, c and tau, are calculated along with a goodness-of-fit. Large tau values are indicative of large "grain" size. Values of -2000 indicate a value not determined, generally due to extremely low signals in areas of low resistivity.

Resistivity sounding data was entered into "RESIX", a program designed to do resistivity inversions. An initial guess as to the number of layers and their depths was made and the program refined these guesses to provide a least-squared fit to the data. Results are reported in Appendix C.

Discussion of Results

MAGNETOMETER SURVEY

Within the survey area, two zones of high magnetic activity were observed.

The first zone extends west from line 20+50W, and from 3+00N to approximately 5+50N, with a small outlier on line 22+50W. A strong linear feature striking E-W traverses this zone. Drilling in 1985 and 1986 has revealed the rocks to be ultramafic. The fault encountered in hole 86-10 may be associated with the structural feature mentioned above.

The limits of the unaltered ultramafic body can be approximated by the 8200 nT contour line. The north side of the anomaly probably marks the greenstone-ultramafic contact suggested by M.B. Gareau (personnel comm., July 1987).

The second anomaly extends from 11+50W to 12+50W at approximately 2+50N. It is known from drilling to be an essentially unaltered ultramafic block.

Magnetometer data does not directly reveal the location of the sedimentary contact at the south end of the survey area near the baseline.

The magnetometer data in the vicinity of Dominion Creek is very much quieter, suggestive of deeper cover and/or the lack of magnetic rocks.

VLF SURVEY

VLF data reveals the presence of several weak anomalies and several strong VLF conductors, labelled A to I on the compilation map. The strongest responses come from sources apparently buried less than 20 meters. It is difficult to

estimate depths from the profiles because of interference between the anomalies. However, it is felt that anomalies A-E and G are near surface (less than 15 meters to source). These anomalies are most probably due to graphite smears along the interbedded sediment-greenstone contact or graphitic faults. Drilling has indicated the presence of graphite and some sulfides, although not enough to cause anomalies of this nature.

Anomaly H traverses the strong magnetic feature interpreted as ultramafics. It may be a mineralized shear within the ultramafic.

INDUCED POLARIZATION

Line 8+00W

Resistivity data indicates layering. The depth of cover is penetrated at the sixth separation (approximately 50 meters). Resistivities of approximately 200 ohm meters agrees well with the resistivity sounding carried out on this line.

Lines 11+50W to 13+50W

11+50W - Unaltered unmineralized rock is evident from 220 to 280N. Strong conductors are noted at 60-180N and 320-340N. Chargeability data in these conductive areas is typical of massive sulfides or graphite. The anomaly at 340N contains a hint that the conductor dips steeply north. From 360N to the north, the rocks have very low chargeability and average resistivity, typical of the response in the heavily covered area at line 8+00W.

12+00W - Strong response in first separation indicates thin cover. Chargeability anomalies at 60-80N, 180N, 300-320N very near surface. Resistivity lows accompany the high chargeabilities. Sliver of unmineralized unaltered rock from 200-240N.

12+50W - Continuous series of narrow conductors from 40N to 360N with high resistivity zone from 200N to 240N. Northern contact appears to dip north (even through the bias caused by pole-dipole assymmetry)

13+00W - As for earlier lines to 360N. Strong layering evident from 400N. Resistivity low developing at depth at north end of line with concurrent chargeability high. May be flat lying thin conductor.

13+50N - Strong layering evident with anomalous response in n=5 and 6 from 240-360N in both resistivity and chargeability. Suggestive of being adjacent to conductors. Deep cover from 400-580+N. Resistivity low as for lines 12+50W and 13+00W developed at north end of line.

Line 22+00W

Strong layering evident at the south end of the line. Surface resistivity is high (1000 ohm-m). At the north end of the line a different signature is observed. Moderate chargeability coupled with high resistivity in second separation suggests unaltered rock with some sulphides at 20 to 30 meters. Magnetics indicates that these rocks are ultramafics.

Response in this area also suggests that the rock is homogeneous and that the zone extends north of the surveyed area.

RESISTIVITY SOUNDING

Resistivity soundings in the vicinity of Spruce Creek on lines 4+00W to 8+00W give depths as follows:

	Location	Depth to Bedrock	Fit Error
Line	4+00W 2+50N (1)	36 meters	10.4%
	5+00W 2+50N	22 "	6.1%
	6+00W 2+50N	39 "	5.2%
	7+00W 2+50N (2)	70 "	17.9%
	8+00W 2+50N (3)	49 "	8.9%

Determinations near Dominion Creek are as follows:

Line	18+00W 2+50N	7 meters	17.6%
	19+00W 2+30N	8 "	11.4%
	20+00W 2+10N (4)	11 "	8.6%
	21+00W 1+90N (5)	16 "	9.5%
	22+00W 2+10N	11 "	10.6%

(1) On road, short spacing data is a little noisy.
(2) Data for the large spacings was very noisy. Suspect lateral inhomogeniety. Line 7+00W is halfway up on a steep sidehill.
(3) Line 8+00W is on a bench approx 20-25 meters above the creek.
(4) Frozen ground in swampy area.
(5) On sidehill, some topographic contribution expected.

Conclusions and Recommendations

Detailed magnetometer and VLF surveys have determined the limits of the small ultramafic body in the vicinity of line 12+00W. They have also delineated an unaltered ultramafic body in the north-west quarter of the survey area. Some structural features have been outlined, particularly an E-W fault or shear that traverses the strong magnetics indicative of ultramafic rocks.

The strong response in the VLF drops off sharply, presumably due to a rapid thickening in the overburden. This sharp cutoff may relate to the paleo-channel that was the focus of attention at the Nolan minesite.

VLF Anomaly "C" appears to be a good target, being limited in strike length and associated with a magnetic anomaly. Anomlay "H" should also be investigated.

Resistivity soundings appear to be a viable method for overburden depth determinations in the Atlin camp. For the most part, the cover is relatively geophysically homogeneous. Only when strong conductors are present in the bedrock, will the results be in some question.

J.M. Thornton

JMT/lea
07.15.87

Statement of Qualifications

I, J.M. Thornton, of 3393 Fairmont Road, North Vancouver, B.C. do certify that:

1) I have worked as a geophysical technician for the past twenty years.

2) I have been engaged in mineral exploration since graduation from BCIT in 1967.

3) I personally carried out the work presented in this report for Scott Geophysics Ltd.

4) I have no interest in the property represented in this report.

J.M. Thornton

J.M. Thornton

Aug 21 1987

Date

APPENDIX A

Data listings
Lines: 0 to 30+00W

MAGNETOMETER DATA

Total Field (Proton precession)
Equipment: Scintrex MP-4 (IGS)

Note: 57000 nT has been subtracted
from all readings

Lines: 0 to 30+00W

June, 1987

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-3000.0	0.0	7580.6	-2950.0	150.0	7557.0	-2900.0	300.0	7623.9
-3000.0	0.0	7580.6	-2950.0	160.0	7569.0	-2900.0	310.0	7659.3
-3000.0	10.0	7501.6	-2950.0	170.0	7600.1	-2900.0	320.0	7797.6
-3000.0	20.0	7561.3	-2950.0	180.0	7600.9	-2900.0	330.0	7940.4
-3000.0	30.0	7632.8	-2950.0	190.0	7609.1	-2900.0	340.0	8178.5
-3000.0	40.0	7499.8	-2950.0	200.0	7645.3	-2900.0	350.0	8287.2
-3000.0	50.0	7490.4	-2950.0	210.0	7641.5	-2900.0	360.0	8337.4
-3000.0	60.0	7520.3	-2950.0	220.0	7613.3	-2900.0	370.0	8428.9
-3000.0	70.0	7524.1	-2950.0	230.0	7578.4	-2900.0	380.0	8251.5
-3000.0	80.0	7530.2	-2950.0	240.0	7568.5	-2900.0	390.0	7988.6
-3000.0	90.0	7510.8	-2950.0	250.0	7546.3	-2900.0	400.0	8099.9
-3000.0	100.0	7529.6	-2950.0	260.0	7512.9	-2900.0	410.0	8236.2
-3000.0	110.0	7523.2	-2950.0	270.0	7463.8	-2900.0	420.0	8397.8
-3000.0	120.0	7568.1	-2950.0	280.0	7466.4	-2900.0	430.0	8361.6
-3000.0	130.0	7542.4	-2950.0	290.0	7487.0	-2900.0	440.0	8054.5
-3000.0	140.0	7553.5	-2950.0	300.0	7521.7	-2900.0	450.0	7891.1
-3000.0	150.0	7556.5	-2950.0	310.0	7562.9	-2900.0	460.0	7680.3
-3000.0	160.0	7540.2	-2950.0	320.0	7558.5	-2900.0	470.0	7541.4
-3000.0	170.0	7584.1	-2950.0	330.0	7613.5	-2900.0	480.0	7441.1
-3000.0	180.0	7579.3	-2950.0	340.0	7636.2	-2900.0	490.0	7406.7
-3000.0	190.0	7601.1	-2950.0	350.0	7681.4	-2900.0	500.0	7450.4
-3000.0	200.0	7561.5	-2950.0	360.0	7716.3	-2900.0	510.0	7481.1
-3000.0	210.0	7534.8	-2950.0	370.0	7778.3	-2900.0	520.0	7518.0
-3000.0	220.0	7536.1	-2950.0	380.0	7903.1	-2900.0	530.0	7530.1
-3000.0	230.0	7533.4	-2950.0	390.0	8084.8	-2900.0	540.0	7541.6
-3000.0	240.0	7551.7	-2950.0	400.0	8098.1	-2900.0	550.0	7544.8
-3000.0	250.0	7561.5	-2950.0	410.0	7888.3	-2900.0	560.0	7543.6
-3000.0	260.0	7584.7	-2950.0	420.0	7650.6	-2900.0	570.0	7550.0
-3000.0	270.0	7580.4	-2950.0	430.0	7559.9	-2900.0	580.0	7540.5
-3000.0	280.0	7542.7	-2950.0	440.0	7611.1	-2900.0	590.0	7535.0
-3000.0	290.0	7609.1	-2950.0	450.0	7567.8	-2900.0	600.0	7622.6
-3000.0	300.0	7658.8	-2950.0	460.0	7350.1	-2850.0	0.0	7558.0
-3000.0	310.0	7686.2	-2950.0	470.0	7301.0	-2850.0	10.0	7561.5
-3000.0	320.0	7676.6	-2950.0	480.0	7264.1	-2850.0	20.0	7537.1
-3000.0	330.0	7648.8	-2950.0	490.0	7280.6	-2850.0	30.0	7524.2
-3000.0	340.0	7575.2	-2950.0	500.0	7329.4	-2850.0	40.0	7487.9
-3000.0	350.0	7606.4	-2950.0	510.0	7359.3	-2850.0	50.0	7501.9
-3000.0	360.0	7574.5	-2950.0	520.0	7373.5	-2850.0	60.0	7489.1
-3000.0	370.0	8288.1	-2950.0	530.0	7489.3	-2850.0	70.0	7454.0
-3000.0	390.0	7632.9	-2950.0	540.0	7591.7	-2850.0	80.0	7447.6
-3000.0	400.0	7570.6	-2950.0	550.0	7701.2	-2850.0	90.0	7481.6
-3000.0	410.0	7514.4	-2950.0	560.0	7663.9	-2850.0	100.0	7543.9
-3000.0	420.0	7483.2	-2950.0	570.0	7696.9	-2850.0	110.0	7485.8
-3000.0	430.0	7308.7	-2950.0	580.0	7453.7	-2850.0	120.0	7572.9
-3000.0	440.0	7414.4	-2950.0	590.0	7587.5	-2850.0	130.0	7597.2
-3000.0	450.0	7270.4	-2950.0	600.0	7615.1	-2850.0	140.0	7554.6
-3000.0	460.0	7117.8	-2900.0	0.0	7524.5	-2850.0	150.0	7513.2
-3000.0	470.0	7202.8	-2900.0	10.0	7546.4	-2850.0	160.0	7569.3
-3000.0	480.0	7212.6	-2900.0	20.0	7503.6	-2850.0	170.0	7582.5
-3000.0	490.0	7308.1	-2900.0	30.0	7503.6	-2850.0	180.0	7547.4
-3000.0	500.0	7554.3	-2900.0	40.0	7588.0	-2850.0	190.0	7549.1
-3000.0	510.0	7577.9	-2900.0	50.0	7470.1	-2850.0	200.0	7589.1
-3000.0	520.0	7397.6	-2900.0	60.0	7510.8	-2850.0	210.0	7597.6
-3000.0	530.0	7416.3	-2900.0	70.0	7492.0	-2850.0	220.0	7465.2
-3000.0	540.0	7398.1	-2900.0	80.0	7470.4	-2850.0	230.0	7508.5
-3000.0	550.0	7386.3	-2900.0	90.0	7595.8	-2850.0	240.0	7500.6
-3000.0	560.0	7375.7	-2900.0	100.0	7620.6	-2850.0	250.0	7507.1
-3000.0	570.0	7367.9	-2900.0	110.0	7583.0	-2850.0	260.0	7497.3
-3000.0	580.0	7357.7	-2900.0	120.0	7554.3	-2850.0	270.0	7532.0
-3000.0	590.0	7418.4	-2900.0	130.0	7569.6	-2850.0	280.0	7561.7
-3000.0	600.0	7446.3	-2900.0	140.0	7565.2	-2850.0	290.0	7726.9
-2950.0	0.0	7521.6	-2900.0	150.0	7499.7	-2850.0	300.0	7906.7
-2950.0	10.0	7508.1	-2900.0	160.0	7457.2	-2850.0	310.0	8181.9
-2950.0	20.0	7528.6	-2900.0	170.0	7470.3	-2850.0	320.0	8316.7
-2950.0	30.0	7492.5	-2900.0	180.0	7538.7	-2850.0	330.0	8379.0
-2950.0	40.0	7499.2	-2900.0	190.0	7551.3	-2850.0	340.0	8390.6
-2950.0	50.0	7553.4	-2900.0	200.0	7524.2	-2850.0	350.0	8444.2
-2950.0	60.0	7541.8	-2900.0	210.0	7541.7	-2850.0	360.0	8363.5
-2950.0	70.0	7547.6	-2900.0	220.0	7534.5	-2850.0	370.0	8227.9
-2950.0	80.0	7555.9	-2900.0	230.0	7542.5	-2850.0	380.0	8053.8
-2950.0	90.0	7541.4	-2900.0	240.0	7536.5	-2850.0	390.0	7868.3
-2950.0	100.0	7541.7	-2900.0	250.0	7547.8	-2850.0	400.0	7831.5
-2950.0	110.0	7540.2	-2900.0	260.0	7557.8	-2850.0	410.0	7939.6
-2950.0	120.0	7611.5	-2900.0	270.0	7523.8	-2850.0	420.0	7999.8
-2950.0	130.0	7555.2	-2900.0	280.0	7519.5	-2850.0	430.0	7944.3
-2950.0	140.0	7565.0	-2900.0	290.0	7576.8	-2850.0	440.0	7734.5

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-2850.0	450.0	8009.2	-2800.0	600.0	7657.4	-2700.0	140.0	7616.4
-2850.0	460.0	8495.1	-2750.0	0.0	7593.3	-2700.0	150.0	7610.5
-2850.0	470.0	7868.0	-2750.0	10.0	7602.0	-2700.0	160.0	7594.7
-2850.0	480.0	7385.0	-2750.0	20.0	7572.4	-2700.0	170.0	7610.5
-2850.0	490.0	7171.9	-2750.0	30.0	7555.9	-2700.0	180.0	7614.0
-2850.0	500.0	7243.2	-2750.0	40.0	7552.8	-2700.0	190.0	7621.4
-2850.0	510.0	7458.6	-2750.0	50.0	7585.2	-2700.0	200.0	7620.3
-2850.0	520.0	7465.4	-2750.0	60.0	7555.0	-2700.0	210.0	7609.0
-2850.0	530.0	7414.7	-2750.0	70.0	7541.6	-2700.0	220.0	7592.8
-2850.0	540.0	7379.8	-2750.0	80.0	7583.5	-2700.0	230.0	7601.0
-2850.0	550.0	7412.9	-2750.0	90.0	7570.6	-2700.0	240.0	7574.1
-2850.0	560.0	7468.7	-2750.0	100.0	7582.5	-2700.0	250.0	7582.7
-2850.0	570.0	7496.9	-2750.0	110.0	7562.8	-2700.0	260.0	7580.7
-2850.0	580.0	7585.1	-2750.0	120.0	7592.5	-2700.0	270.0	7550.1
-2850.0	590.0	7575.0	-2750.0	130.0	7604.5	-2700.0	280.0	7570.1
-2850.0	600.0	7584.7	-2750.0	140.0	7615.0	-2700.0	290.0	7543.1
-2800.0	0.0	7575.0	-2750.0	150.0	7623.5	-2700.0	300.0	7559.5
-2800.0	10.0	7554.8	-2750.0	160.0	7612.5	-2700.0	310.0	7616.0
-2800.0	20.0	7572.6	-2750.0	170.0	7593.2	-2700.0	320.0	7644.8
-2800.0	30.0	7572.8	-2750.0	180.0	7570.0	-2700.0	330.0	7558.2
-2800.0	40.0	7546.9	-2750.0	190.0	7614.7	-2700.0	340.0	7674.0
-2800.0	50.0	7574.9	-2750.0	200.0	7589.3	-2700.0	350.0	7808.4
-2800.0	60.0	7570.5	-2750.0	210.0	7609.1	-2700.0	360.0	7898.0
-2800.0	70.0	7533.1	-2750.0	220.0	7612.0	-2700.0	370.0	7982.7
-2800.0	80.0	7485.0	-2750.0	230.0	7562.9	-2700.0	380.0	8032.5
-2800.0	90.0	7521.8	-2750.0	240.0	7618.0	-2700.0	390.0	8007.1
-2800.0	100.0	7537.4	-2750.0	250.0	7624.7	-2700.0	400.0	7992.1
-2800.0	110.0	7514.6	-2750.0	260.0	7657.2	-2700.0	410.0	7979.5
-2800.0	120.0	7555.3	-2750.0	270.0	7639.4	-2700.0	420.0	7948.3
-2800.0	130.0	7572.4	-2750.0	280.0	7629.4	-2700.0	430.0	7954.9
-2800.0	140.0	7543.3	-2750.0	290.0	7596.6	-2700.0	440.0	7991.4
-2800.0	150.0	7570.4	-2750.0	300.0	7626.7	-2700.0	450.0	8010.0
-2800.0	160.0	7586.0	-2750.0	310.0	7688.9	-2700.0	460.0	8022.7
-2800.0	170.0	7580.9	-2750.0	320.0	7761.3	-2700.0	470.0	7967.2
-2800.0	180.0	7548.5	-2750.0	330.0	7889.5	-2700.0	480.0	7861.5
-2800.0	190.0	7571.6	-2750.0	340.0	8038.8	-2700.0	490.0	7687.0
-2800.0	200.0	7577.1	-2750.0	350.0	8083.4	-2700.0	500.0	7533.6
-2800.0	210.0	7602.1	-2750.0	360.0	8192.4	-2700.0	510.0	7287.6
-2800.0	220.0	7577.6	-2750.0	370.0	8264.7	-2700.0	520.0	7159.9
-2800.0	230.0	7528.9	-2750.0	380.0	8229.8	-2700.0	530.0	7129.1
-2800.0	240.0	7540.7	-2750.0	390.0	8260.2	-2700.0	540.0	7167.4
-2800.0	250.0	7623.8	-2750.0	400.0	8447.4	-2700.0	550.0	7264.7
-2800.0	260.0	7615.7	-2750.0	410.0	8577.8	-2700.0	560.0	7302.2
-2800.0	270.0	7603.6	-2750.0	420.0	8702.2	-2700.0	570.0	7351.4
-2800.0	280.0	7599.0	-2750.0	430.0	8745.7	-2700.0	580.0	7396.1
-2800.0	290.0	7585.6	-2750.0	440.0	8798.3	-2700.0	590.0	7533.6
-2800.0	300.0	7634.9	-2750.0	450.0	8832.6	-2700.0	600.0	7588.3
-2800.0	310.0	7727.7	-2750.0	460.0	8726.1	-2650.0	0.0	7588.7
-2800.0	320.0	7801.0	-2750.0	470.0	8546.2	-2650.0	10.0	7584.3
-2800.0	330.0	7924.0	-2750.0	480.0	8340.3	-2650.0	20.0	7573.4
-2800.0	340.0	7951.5	-2750.0	490.0	8267.4	-2650.0	30.0	7556.9
-2800.0	350.0	8015.9	-2750.0	500.0	8256.0	-2650.0	40.0	7557.0
-2800.0	360.0	8085.0	-2750.0	510.0	8173.5	-2650.0	50.0	7540.6
-2800.0	370.0	8011.0	-2750.0	520.0	7958.1	-2650.0	60.0	7550.5
-2800.0	380.0	7816.7	-2750.0	530.0	7753.9	-2650.0	70.0	7556.1
-2800.0	390.0	7819.0	-2750.0	540.0	7550.8	-2650.0	80.0	7529.1
-2800.0	400.0	7902.0	-2750.0	550.0	7510.6	-2650.0	90.0	7561.1
-2800.0	410.0	8022.9	-2750.0	560.0	7425.2	-2650.0	100.0	7559.5
-2800.0	420.0	8233.2	-2750.0	570.0	7441.1	-2650.0	110.0	7556.4
-2800.0	430.0	8439.5	-2750.0	580.0	7473.7	-2650.0	120.0	7577.8
-2800.0	440.0	8517.4	-2750.0	590.0	7512.5	-2650.0	130.0	7602.9
-2800.0	450.0	8509.7	-2750.0	600.0	7522.6	-2650.0	140.0	7617.1
-2800.0	460.0	8190.0	-2700.0	0.0	7594.1	-2650.0	150.0	7630.4
-2800.0	470.0	7571.0	-2700.0	10.0	7551.7	-2650.0	160.0	7596.8
-2800.0	480.0	7402.9	-2700.0	20.0	7592.3	-2650.0	170.0	7596.4
-2800.0	490.0	7532.6	-2700.0	30.0	7591.4	-2650.0	180.0	7588.5
-2800.0	500.0	7628.4	-2700.0	40.0	7602.3	-2650.0	190.0	7611.0
-2800.0	510.0	7699.0	-2700.0	50.0	7620.9	-2650.0	200.0	7630.2
-2800.0	520.0	7704.9	-2700.0	60.0	7593.3	-2650.0	210.0	7601.9
-2800.0	530.0	7557.6	-2700.0	70.0	7558.3	-2650.0	220.0	7562.6
-2800.0	540.0	7487.0	-2700.0	80.0	7565.9	-2650.0	230.0	7538.0
-2800.0	550.0	7341.8	-2700.0	90.0	7578.3	-2650.0	240.0	7426.9
-2800.0	560.0	7288.1	-2700.0	100.0	7578.5	-2650.0	250.0	7510.8
-2800.0	570.0	7353.4	-2700.0	110.0	7592.1	-2650.0	260.0	7658.6
-2800.0	580.0	7492.6	-2700.0	120.0	7589.9	-2650.0	270.0	7599.9
-2800.0	590.0	7629.8	-2700.0	130.0	7633.3	-2650.0	280.0	7461.6

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-2650.0	290.0	7477.7	-2600.0	440.0	8610.4	-2550.0	590.0	7412.8
-2650.0	300.0	7602.4	-2600.0	450.0	8536.2	-2550.0	600.0	7430.3
-2650.0	310.0	7616.0	-2600.0	460.0	8404.7	-2500.0	0.0	7714.5
-2650.0	320.0	7539.1	-2600.0	470.0	8355.1	-2500.0	10.0	7702.1
-2650.0	330.0	7532.9	-2600.0	480.0	8203.9	-2500.0	20.0	7699.1
-2650.0	340.0	7512.5	-2600.0	490.0	7950.4	-2500.0	30.0	7695.0
-2650.0	350.0	7526.0	-2600.0	500.0	7765.0	-2500.0	40.0	7739.0
-2650.0	360.0	7527.6	-2600.0	510.0	7680.4	-2500.0	50.0	7743.0
-2650.0	370.0	7527.2	-2600.0	520.0	7588.3	-2500.0	60.0	7718.5
-2650.0	380.0	7544.7	-2600.0	530.0	7459.3	-2500.0	70.0	7721.4
-2650.0	390.0	7572.0	-2600.0	540.0	7305.6	-2500.0	80.0	7723.8
-2650.0	400.0	7679.5	-2600.0	550.0	7292.0	-2500.0	90.0	7784.7
-2650.0	410.0	7829.6	-2600.0	560.0	7268.9	-2500.0	100.0	7836.0
-2650.0	420.0	7916.7	-2600.0	570.0	7305.8	-2500.0	110.0	7680.1
-2650.0	430.0	8217.2	-2600.0	580.0	7387.8	-2500.0	120.0	7659.7
-2650.0	440.0	8442.3	-2600.0	590.0	7439.4	-2500.0	130.0	7679.3
-2650.0	450.0	8519.8	-2600.0	600.0	7440.7	-2500.0	140.0	7662.0
-2650.0	460.0	8407.0	-2550.0	0.0	7650.8	-2500.0	150.0	7671.4
-2650.0	470.0	8251.4	-2550.0	10.0	7666.8	-2500.0	160.0	7717.2
-2650.0	480.0	8091.6	-2550.0	20.0	7660.3	-2500.0	170.0	7710.9
-2650.0	490.0	7864.7	-2550.0	30.0	7661.2	-2500.0	180.0	7704.3
-2650.0	500.0	7632.4	-2550.0	40.0	7652.3	-2500.0	190.0	7706.6
-2650.0	510.0	7437.0	-2550.0	50.0	7599.4	-2500.0	200.0	7724.6
-2650.0	520.0	7276.5	-2550.0	60.0	7612.0	-2500.0	210.0	7723.4
-2650.0	530.0	7245.9	-2550.0	70.0	7643.4	-2500.0	220.0	7725.8
-2650.0	540.0	7215.2	-2550.0	80.0	7651.0	-2500.0	230.0	7741.1
-2650.0	550.0	7269.4	-2550.0	90.0	7673.0	-2500.0	240.0	7754.4
-2650.0	560.0	7291.7	-2550.0	100.0	7663.7	-2500.0	250.0	7779.3
-2650.0	570.0	7310.0	-2550.0	110.0	7650.7	-2500.0	260.0	7763.2
-2650.0	580.0	7346.7	-2550.0	120.0	7640.2	-2500.0	270.0	7770.8
-2650.0	590.0	7399.4	-2550.0	130.0	7663.1	-2500.0	280.0	7794.9
-2650.0	600.0	7436.8	-2550.0	140.0	7662.5	-2500.0	290.0	7816.1
-2600.0	0.0	7585.4	-2550.0	150.0	7647.9	-2500.0	300.0	7796.1
-2600.0	10.0	7618.0	-2550.0	160.0	7647.7	-2500.0	310.0	7740.9
-2600.0	20.0	7645.0	-2550.0	170.0	7661.1	-2500.0	320.0	7664.2
-2600.0	30.0	7667.7	-2550.0	180.0	7646.4	-2500.0	330.0	7684.9
-2600.0	40.0	7632.3	-2550.0	190.0	7642.7	-2500.0	340.0	7765.8
-2600.0	50.0	7581.5	-2550.0	200.0	7654.3	-2500.0	350.0	7964.2
-2600.0	60.0	7608.1	-2550.0	210.0	7655.4	-2500.0	360.0	8133.9
-2600.0	70.0	7573.5	-2550.0	220.0	7670.0	-2500.0	370.0	8319.9
-2600.0	80.0	7597.0	-2550.0	230.0	7672.1	-2500.0	380.0	8397.6
-2600.0	90.0	7648.6	-2550.0	240.0	7652.3	-2500.0	390.0	8430.2
-2600.0	100.0	7597.4	-2550.0	250.0	7642.5	-2500.0	400.0	8517.4
-2600.0	110.0	7547.4	-2550.0	260.0	7642.8	-2500.0	410.0	8652.6
-2600.0	120.0	7651.3	-2550.0	270.0	7632.5	-2500.0	420.0	8724.4
-2600.0	130.0	7649.4	-2550.0	280.0	7590.2	-2500.0	430.0	8719.1
-2600.0	140.0	7666.6	-2550.0	290.0	7649.8	-2500.0	440.0	8673.6
-2600.0	150.0	7648.6	-2550.0	300.0	7554.1	-2500.0	450.0	8630.4
-2600.0	160.0	7663.4	-2550.0	310.0	7640.3	-2500.0	460.0	8602.5
-2600.0	170.0	7620.3	-2550.0	320.0	7631.6	-2500.0	470.0	8436.6
-2600.0	180.0	7648.4	-2550.0	330.0	7613.7	-2500.0	480.0	8199.6
-2600.0	190.0	7623.5	-2550.0	340.0	7569.9	-2500.0	490.0	7946.9
-2600.0	200.0	7641.6	-2550.0	350.0	7583.4	-2500.0	500.0	7613.6
-2600.0	210.0	7623.3	-2550.0	360.0	7621.0	-2500.0	510.0	7463.9
-2600.0	220.0	7615.6	-2550.0	370.0	7739.9	-2500.0	520.0	7350.3
-2600.0	230.0	7611.5	-2550.0	380.0	7864.1	-2500.0	530.0	7325.2
-2600.0	240.0	7624.2	-2550.0	390.0	8065.0	-2500.0	540.0	7311.6
-2600.0	250.0	7621.4	-2550.0	400.0	8205.6	-2500.0	550.0	7253.6
-2600.0	260.0	7602.9	-2550.0	410.0	8266.6	-2500.0	560.0	7254.1
-2600.0	270.0	7594.6	-2550.0	420.0	8346.4	-2500.0	570.0	7332.6
-2600.0	280.0	7593.3	-2550.0	430.0	8408.1	-2500.0	580.0	7378.2
-2600.0	290.0	7590.0	-2550.0	440.0	8419.4	-2500.0	590.0	7382.2
-2600.0	300.0	7595.5	-2550.0	450.0	8380.4	-2500.0	600.0	7379.1
-2600.0	310.0	7582.9	-2550.0	460.0	8336.1	-2450.0	0.0	7736.1
-2600.0	320.0	7509.1	-2550.0	470.0	8238.0	-2450.0	10.0	7739.6
-2600.0	330.0	7545.9	-2550.0	480.0	8075.5	-2450.0	20.0	7741.3
-2600.0	340.0	7652.7	-2550.0	490.0	7784.4	-2450.0	30.0	7740.3
-2600.0	350.0	7705.6	-2550.0	500.0	7479.7	-2450.0	40.0	7746.1
-2600.0	360.0	7838.9	-2550.0	510.0	7231.3	-2450.0	50.0	7747.6
-2600.0	370.0	7928.2	-2550.0	520.0	7134.2	-2450.0	60.0	7734.6
-2600.0	380.0	7900.3	-2550.0	530.0	7139.6	-2450.0	70.0	7729.2
-2600.0	390.0	7904.4	-2550.0	540.0	7152.0	-2450.0	80.0	7718.6
-2600.0	400.0	8018.9	-2550.0	550.0	7240.7	-2450.0	90.0	7731.1
-2600.0	410.0	8206.5	-2550.0	560.0	7308.5	-2450.0	100.0	7767.7
-2600.0	420.0	8390.3	-2550.0	570.0	7362.9	-2450.0	110.0	7761.8
-2600.0	430.0	8503.0	-2550.0	580.0	7377.2	-2450.0	120.0	7782.2

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-2450.0	130.0	7762.4	-2400.0	280.0	7864.1	-2350.0	430.0	8821.4
-2450.0	140.0	7816.7	-2400.0	290.0	7952.7	-2350.0	440.0	8412.7
-2450.0	150.0	7777.9	-2400.0	300.0	8040.7	-2350.0	450.0	8089.4
-2450.0	160.0	7816.6	-2400.0	310.0	8010.8	-2350.0	460.0	8169.3
-2450.0	170.0	7820.8	-2400.0	320.0	7982.4	-2350.0	470.0	8262.4
-2450.0	180.0	7828.9	-2400.0	330.0	8210.0	-2350.0	480.0	8304.9
-2450.0	190.0	7825.4	-2400.0	340.0	8399.4	-2350.0	490.0	8141.3
-2450.0	200.0	7830.2	-2400.0	350.0	8541.7	-2350.0	500.0	7850.3
-2450.0	210.0	7804.9	-2400.0	360.0	8801.3	-2350.0	510.0	7902.2
-2450.0	220.0	7790.6	-2400.0	370.0	8968.4	-2350.0	520.0	7865.9
-2450.0	230.0	7759.9	-2400.0	380.0	9113.0	-2350.0	530.0	7244.5
-2450.0	240.0	7709.8	-2400.0	390.0	9090.3	-2350.0	540.0	7113.3
-2450.0	250.0	7678.4	-2400.0	400.0	9056.2	-2350.0	550.0	7275.9
-2450.0	260.0	7693.2	-2400.0	410.0	9024.2	-2350.0	560.0	7409.6
-2450.0	270.0	7701.7	-2400.0	420.0	9005.5	-2350.0	570.0	7373.9
-2450.0	280.0	7710.1	-2400.0	430.0	8831.7	-2350.0	580.0	7817.2
-2450.0	290.0	7700.3	-2400.0	440.0	8551.9	-2350.0	590.0	7155.1
-2450.0	300.0	7632.5	-2400.0	450.0	8158.7	-2350.0	600.0	7361.8
-2450.0	310.0	7534.3	-2400.0	460.0	8123.3	-2300.0	0.0	7663.9
-2450.0	320.0	7538.5	-2400.0	470.0	7853.4	-2300.0	10.0	7671.7
-2450.0	330.0	7759.1	-2400.0	480.0	7348.9	-2300.0	20.0	7611.4
-2450.0	340.0	8046.6	-2400.0	490.0	7025.1	-2300.0	30.0	7610.8
-2450.0	350.0	8317.1	-2400.0	500.0	6805.6	-2300.0	40.0	7604.4
-2450.0	360.0	8577.9	-2400.0	510.0	6831.8	-2300.0	50.0	7679.6
-2450.0	370.0	8679.5	-2400.0	520.0	6918.7	-2300.0	60.0	7677.3
-2450.0	380.0	8793.0	-2400.0	530.0	7002.7	-2300.0	70.0	7669.7
-2450.0	390.0	8841.8	-2400.0	540.0	7099.8	-2300.0	80.0	7675.7
-2450.0	400.0	8804.6	-2400.0	550.0	7183.8	-2300.0	90.0	7678.9
-2450.0	410.0	8743.7	-2400.0	560.0	7234.2	-2300.0	100.0	7728.8
-2450.0	420.0	8669.8	-2400.0	570.0	7281.2	-2300.0	110.0	7714.3
-2450.0	430.0	8610.3	-2400.0	580.0	7445.3	-2300.0	120.0	7682.7
-2450.0	440.0	8507.1	-2400.0	590.0	7422.8	-2300.0	130.0	7682.5
-2450.0	450.0	8286.0	-2400.0	600.0	7386.3	-2300.0	140.0	7722.4
-2450.0	460.0	8084.3	-2350.0	0.0	7733.0	-2300.0	150.0	7709.0
-2450.0	470.0	7993.4	-2350.0	10.0	7682.0	-2300.0	160.0	7692.5
-2450.0	480.0	7824.0	-2350.0	20.0	7724.0	-2300.0	170.0	7663.7
-2450.0	490.0	7736.6	-2350.0	30.0	7742.1	-2300.0	180.0	7688.2
-2450.0	500.0	7491.4	-2350.0	40.0	7729.8	-2300.0	190.0	7664.4
-2450.0	510.0	7227.3	-2350.0	50.0	7726.9	-2300.0	200.0	7650.7
-2450.0	520.0	7121.7	-2350.0	60.0	7757.3	-2300.0	210.0	7779.3
-2450.0	530.0	7147.8	-2350.0	70.0	7760.7	-2300.0	220.0	8002.3
-2450.0	540.0	7176.4	-2350.0	80.0	7767.0	-2300.0	230.0	8094.2
-2450.0	550.0	7220.9	-2350.0	90.0	7766.7	-2300.0	240.0	8127.8
-2450.0	560.0	7251.2	-2350.0	100.0	7787.0	-2300.0	250.0	8205.9
-2450.0	570.0	7246.5	-2350.0	110.0	7767.1	-2300.0	260.0	8309.3
-2450.0	580.0	7319.7	-2350.0	120.0	7745.3	-2300.0	270.0	8391.5
-2450.0	590.0	7382.3	-2350.0	130.0	7773.2	-2300.0	280.0	8305.7
-2450.0	600.0	7405.7	-2350.0	140.0	7849.5	-2300.0	290.0	8054.6
-2400.0	0.0	7706.3	-2350.0	150.0	7811.9	-2300.0	300.0	7741.8
-2400.0	10.0	7742.2	-2350.0	160.0	7745.7	-2300.0	310.0	7445.1
-2400.0	20.0	7755.9	-2350.0	170.0	7714.7	-2300.0	320.0	7347.6
-2400.0	30.0	7731.7	-2350.0	180.0	7782.2	-2300.0	330.0	7399.3
-2400.0	40.0	7747.2	-2350.0	190.0	7767.1	-2300.0	340.0	7705.7
-2400.0	50.0	7742.6	-2350.0	200.0	7734.7	-2300.0	350.0	8105.8
-2400.0	60.0	7720.5	-2350.0	210.0	7744.7	-2300.0	360.0	8460.7
-2400.0	70.0	7741.5	-2350.0	220.0	7769.5	-2300.0	370.0	8696.9
-2400.0	80.0	7730.1	-2350.0	230.0	7753.0	-2300.0	380.0	8840.2
-2400.0	90.0	7750.4	-2350.0	240.0	7784.8	-2300.0	390.0	9010.8
-2400.0	100.0	7750.5	-2350.0	250.0	7781.4	-2300.0	400.0	9085.7
-2400.0	110.0	7787.2	-2350.0	260.0	7751.0	-2300.0	410.0	9166.5
-2400.0	120.0	7805.1	-2350.0	270.0	7946.5	-2300.0	420.0	9135.8
-2400.0	130.0	7829.6	-2350.0	280.0	8106.4	-2300.0	430.0	9063.4
-2400.0	140.0	7844.1	-2350.0	290.0	7976.9	-2300.0	440.0	8916.4
-2400.0	150.0	7893.4	-2350.0	300.0	7905.4	-2300.0	450.0	8510.4
-2400.0	160.0	7901.4	-2350.0	310.0	7974.8	-2300.0	460.0	8406.5
-2400.0	170.0	7932.3	-2350.0	320.0	8117.9	-2300.0	470.0	8281.7
-2400.0	180.0	7961.2	-2350.0	330.0	8433.8	-2300.0	480.0	8108.7
-2400.0	190.0	7977.4	-2350.0	340.0	8673.8	-2300.0	490.0	8192.7
-2400.0	200.0	7892.6	-2350.0	350.0	8943.6	-2300.0	500.0	8004.4
-2400.0	210.0	7782.5	-2350.0	360.0	9081.3	-2300.0	510.0	7701.3
-2400.0	220.0	7631.1	-2350.0	370.0	9170.1	-2300.0	520.0	7320.3
-2400.0	230.0	7529.0	-2350.0	380.0	9161.7	-2300.0	530.0	6922.7
-2400.0	240.0	7495.0	-2350.0	390.0	9162.9	-2300.0	540.0	6935.5
-2400.0	250.0	7486.0	-2350.0	400.0	9142.3	-2300.0	550.0	7205.5
-2400.0	260.0	7476.8	-2350.0	410.0	9037.3	-2300.0	560.0	7244.9
-2400.0	270.0	7633.9	-2350.0	420.0	8975.8	-2300.0	570.0	7310.2

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-2300.0	580.0	7352.4	-2200.0	120.0	7777.3	-2150.0	270.0	7522.3
-2300.0	590.0	7392.0	-2200.0	130.0	7757.5	-2150.0	280.0	7527.4
-2300.0	600.0	7443.1	-2200.0	140.0	7744.6	-2150.0	290.0	7537.5
-2250.0	0.0	7506.3	-2200.0	150.0	7725.0	-2150.0	300.0	7499.2
-2250.0	10.0	7560.3	-2200.0	160.0	7710.7	-2150.0	310.0	7501.2
-2250.0	20.0	7581.4	-2200.0	170.0	7499.9	-2150.0	320.0	7505.4
-2250.0	30.0	7539.7	-2200.0	180.0	7776.5	-2150.0	330.0	7495.9
-2250.0	40.0	7577.5	-2200.0	190.0	7677.3	-2150.0	340.0	7484.0
-2250.0	50.0	7590.9	-2200.0	200.0	7592.8	-2150.0	350.0	7474.4
-2250.0	60.0	7619.5	-2200.0	210.0	7572.1	-2150.0	360.0	7464.2
-2250.0	70.0	7632.8	-2200.0	220.0	7467.0	-2150.0	370.0	7453.9
-2250.0	80.0	7614.2	-2200.0	230.0	7477.4	-2150.0	380.0	7482.6
-2250.0	90.0	7639.3	-2200.0	240.0	7489.5	-2150.0	390.0	7491.7
-2250.0	100.0	7628.5	-2200.0	250.0	7488.4	-2150.0	400.0	7525.9
-2250.0	110.0	7650.1	-2200.0	260.0	7498.5	-2150.0	410.0	7615.6
-2250.0	120.0	7704.0	-2200.0	270.0	7441.3	-2150.0	420.0	7821.9
-2250.0	130.0	7701.6	-2200.0	280.0	7404.7	-2150.0	430.0	8180.8
-2250.0	140.0	7664.3	-2200.0	290.0	7432.0	-2150.0	440.0	8355.5
-2250.0	150.0	7639.0	-2200.0	300.0	7480.7	-2150.0	450.0	8262.0
-2250.0	160.0	7604.1	-2200.0	310.0	7483.3	-2150.0	460.0	8030.4
-2250.0	170.0	7670.7	-2200.0	320.0	7495.5	-2150.0	470.0	7822.2
-2250.0	180.0	7783.5	-2200.0	330.0	7423.8	-2150.0	480.0	8037.3
-2250.0	190.0	7688.9	-2200.0	340.0	7369.5	-2150.0	490.0	8116.5
-2250.0	200.0	7635.3	-2200.0	350.0	7376.4	-2150.0	500.0	7829.5
-2250.0	210.0	7600.1	-2200.0	360.0	7377.6	-2150.0	510.0	7552.2
-2250.0	220.0	7577.9	-2200.0	370.0	7363.6	-2150.0	520.0	7372.9
-2250.0	230.0	7794.3	-2200.0	380.0	7327.0	-2150.0	530.0	7214.4
-2250.0	240.0	7890.8	-2200.0	390.0	7377.7	-2150.0	540.0	7176.5
-2250.0	250.0	7898.9	-2200.0	400.0	7520.0	-2150.0	550.0	7347.8
-2250.0	260.0	7938.0	-2200.0	410.0	7685.9	-2150.0	560.0	7350.0
-2250.0	270.0	8033.0	-2200.0	420.0	8218.0	-2150.0	570.0	7343.0
-2250.0	280.0	8155.9	-2200.0	430.0	8610.8	-2150.0	580.0	7403.3
-2250.0	290.0	8272.7	-2200.0	440.0	8555.9	-2150.0	590.0	7431.3
-2250.0	300.0	8273.1	-2200.0	450.0	8483.9	-2150.0	600.0	7452.1
-2250.0	310.0	7895.9	-2200.0	460.0	8497.8	-2100.0	0.0	7698.2
-2250.0	320.0	7544.3	-2200.0	470.0	8224.6	-2100.0	10.0	7664.6
-2250.0	330.0	7384.3	-2200.0	480.0	8135.6	-2100.0	20.0	7690.2
-2250.0	340.0	7311.2	-2200.0	490.0	7923.1	-2100.0	30.0	7710.9
-2250.0	350.0	7268.6	-2200.0	500.0	7994.7	-2100.0	40.0	7700.6
-2250.0	360.0	7215.0	-2200.0	510.0	7623.8	-2100.0	50.0	7715.2
-2250.0	370.0	7287.6	-2200.0	520.0	7168.4	-2100.0	60.0	7745.6
-2250.0	380.0	7397.2	-2200.0	530.0	7084.3	-2100.0	70.0	7730.8
-2250.0	390.0	7562.8	-2200.0	540.0	7254.4	-2100.0	80.0	7725.9
-2250.0	400.0	8214.7	-2200.0	550.0	7133.8	-2100.0	90.0	7748.1
-2250.0	410.0	8468.0	-2200.0	560.0	7248.3	-2100.0	100.0	7733.2
-2250.0	420.0	8675.9	-2200.0	570.0	7304.3	-2100.0	110.0	7727.8
-2250.0	430.0	8733.9	-2200.0	580.0	7403.6	-2100.0	120.0	7720.2
-2250.0	440.0	8708.7	-2200.0	590.0	7411.4	-2100.0	130.0	7724.1
-2250.0	450.0	8535.9	-2200.0	600.0	7435.4	-2100.0	140.0	7709.6
-2250.0	460.0	8325.8	-2150.0	0.0	7692.4	-2100.0	150.0	7720.9
-2250.0	470.0	8291.6	-2150.0	10.0	7717.7	-2100.0	160.0	7729.3
-2250.0	480.0	8259.9	-2150.0	20.0	7705.7	-2100.0	170.0	7707.7
-2250.0	490.0	8349.5	-2150.0	30.0	7727.5	-2100.0	180.0	7665.1
-2250.0	500.0	8184.4	-2150.0	40.0	7697.6	-2100.0	190.0	7653.6
-2250.0	510.0	7568.1	-2150.0	50.0	7702.7	-2100.0	200.0	7697.1
-2250.0	520.0	6984.2	-2150.0	60.0	7710.0	-2100.0	210.0	7693.0
-2250.0	530.0	6925.6	-2150.0	70.0	7696.6	-2100.0	220.0	7637.8
-2250.0	540.0	7035.5	-2150.0	80.0	7720.1	-2100.0	230.0	7658.1
-2250.0	550.0	7092.7	-2150.0	90.0	7728.0	-2100.0	240.0	7611.7
-2250.0	560.0	7188.9	-2150.0	100.0	7750.4	-2100.0	250.0	7571.4
-2250.0	570.0	7287.9	-2150.0	110.0	7729.5	-2100.0	260.0	7567.6
-2250.0	580.0	7327.6	-2150.0	120.0	7730.2	-2100.0	270.0	7553.9
-2250.0	590.0	7369.0	-2150.0	130.0	7739.1	-2100.0	280.0	7571.5
-2250.0	600.0	7388.6	-2150.0	140.0	7727.9	-2100.0	290.0	7564.6
-2200.0	0.0	7689.9	-2150.0	150.0	7683.4	-2100.0	300.0	7566.8
-2200.0	10.0	7688.9	-2150.0	160.0	7675.8	-2100.0	310.0	7553.1
-2200.0	20.0	7720.3	-2150.0	170.0	7686.2	-2100.0	320.0	7569.3
-2200.0	30.0	7713.3	-2150.0	180.0	7691.7	-2100.0	330.0	7552.1
-2200.0	40.0	7722.3	-2150.0	190.0	7682.6	-2100.0	340.0	7549.0
-2200.0	50.0	7737.3	-2150.0	200.0	7683.5	-2100.0	350.0	7548.9
-2200.0	60.0	7719.5	-2150.0	210.0	7628.5	-2100.0	360.0	7552.1
-2200.0	70.0	7723.6	-2150.0	220.0	7639.7	-2100.0	370.0	7557.3
-2200.0	80.0	7747.8	-2150.0	230.0	7594.6	-2100.0	380.0	7532.2
-2200.0	90.0	7747.0	-2150.0	240.0	7594.9	-2100.0	390.0	7515.9
-2200.0	100.0	7769.3	-2150.0	250.0	7576.1	-2100.0	400.0	7506.2
-2200.0	110.0	7783.1	-2150.0	260.0	7532.1	-2100.0	410.0	7550.1

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-2100.0	420.0	7569.1	-2050.0	570.0	7497.0	-1950.0	100.0	7600.1
-2100.0	430.0	7604.2	-2050.0	580.0	7517.0	-1950.0	110.0	7643.0
-2100.0	440.0	7684.5	-2050.0	590.0	7534.3	-1950.0	120.0	7649.9
-2100.0	450.0	7738.6	-2050.0	600.0	7527.1	-1950.0	130.0	7706.9
-2100.0	460.0	7778.7	-2000.0	0.0	7721.3	-1950.0	140.0	7713.2
-2100.0	470.0	8098.4	-2000.0	10.0	7749.7	-1950.0	150.0	7702.1
-2100.0	480.0	8153.5	-2000.0	20.0	7701.4	-1950.0	160.0	7686.9
-2100.0	490.0	8154.8	-2000.0	30.0	7692.7	-1950.0	170.0	7683.8
-2100.0	500.0	8085.9	-2000.0	40.0	7727.0	-1950.0	180.0	7684.9
-2100.0	510.0	7874.1	-2000.0	50.0	7704.5	-1950.0	190.0	7669.4
-2100.0	520.0	7510.0	-2000.0	60.0	7713.3	-1950.0	200.0	7669.9
-2100.0	530.0	7189.6	-2000.0	70.0	7741.6	-1950.0	210.0	7689.0
-2100.0	540.0	7282.3	-2000.0	80.0	7725.8	-1950.0	220.0	7694.9
-2100.0	550.0	7366.7	-2000.0	90.0	7672.6	-1950.0	230.0	7714.6
-2100.0	560.0	7435.2	-2000.0	100.0	7656.2	-1950.0	240.0	7694.9
-2100.0	570.0	7528.0	-2000.0	110.0	7590.5	-1950.0	250.0	7544.7
-2100.0	580.0	7551.2	-2000.0	120.0	7629.8	-1950.0	260.0	7508.5
-2100.0	590.0	7579.1	-2000.0	130.0	7689.4	-1950.0	270.0	7493.9
-2100.0	600.0	7574.1	-2000.0	140.0	7654.6	-1950.0	280.0	7494.2
-2050.0	0.0	7698.2	-2000.0	150.0	7642.4	-1950.0	290.0	7496.6
-2050.0	10.0	7695.1	-2000.0	160.0	7620.5	-1950.0	300.0	7498.2
-2050.0	20.0	7684.7	-2000.0	170.0	7620.4	-1950.0	310.0	7501.6
-2050.0	30.0	7691.7	-2000.0	180.0	7616.9	-1950.0	320.0	7498.1
-2050.0	40.0	7650.3	-2000.0	190.0	7620.2	-1950.0	330.0	7508.3
-2050.0	50.0	7726.6	-2000.0	200.0	7618.8	-1950.0	340.0	7496.2
-2050.0	60.0	7744.7	-2000.0	210.0	7615.1	-1950.0	350.0	7507.7
-2050.0	70.0	7721.6	-2000.0	220.0	7620.0	-1950.0	360.0	7526.2
-2050.0	80.0	7724.9	-2000.0	230.0	7616.1	-1950.0	370.0	7518.8
-2050.0	90.0	7709.4	-2000.0	240.0	7604.5	-1950.0	380.0	7517.2
-2050.0	100.0	7716.8	-2000.0	250.0	7610.9	-1950.0	390.0	7566.5
-2050.0	110.0	7692.6	-2000.0	260.0	7620.0	-1950.0	400.0	7535.6
-2050.0	120.0	7704.2	-2000.0	270.0	7619.5	-1950.0	410.0	7519.8
-2050.0	130.0	7692.9	-2000.0	280.0	7627.7	-1950.0	420.0	7518.3
-2050.0	140.0	7685.1	-2000.0	290.0	7620.8	-1950.0	430.0	7508.4
-2050.0	150.0	7665.6	-2000.0	300.0	7645.2	-1950.0	440.0	7504.5
-2050.0	160.0	7661.0	-2000.0	310.0	7626.7	-1950.0	450.0	7499.3
-2050.0	170.0	7622.7	-2000.0	320.0	7619.8	-1950.0	460.0	7501.3
-2050.0	180.0	7656.6	-2000.0	330.0	7616.1	-1950.0	470.0	7500.9
-2050.0	190.0	7700.8	-2000.0	340.0	7604.0	-1950.0	480.0	7504.5
-2050.0	200.0	7659.4	-2000.0	350.0	7612.5	-1950.0	490.0	7490.1
-2050.0	210.0	7599.4	-2000.0	360.0	7637.5	-1950.0	500.0	7474.4
-2050.0	220.0	7573.0	-2000.0	370.0	7639.5	-1950.0	510.0	7484.8
-2050.0	230.0	7590.1	-2000.0	380.0	7641.4	-1950.0	520.0	7485.6
-2050.0	240.0	7581.8	-2000.0	390.0	7644.4	-1950.0	530.0	7483.9
-2050.0	250.0	7570.3	-2000.0	400.0	7644.2	-1950.0	540.0	7497.8
-2050.0	260.0	7590.6	-2000.0	410.0	7635.8	-1950.0	550.0	7501.8
-2050.0	270.0	7586.3	-2000.0	420.0	7647.7	-1950.0	560.0	7506.2
-2050.0	280.0	7583.1	-2000.0	430.0	7645.5	-1950.0	570.0	7510.6
-2050.0	290.0	7574.5	-2000.0	440.0	7644.1	-1950.0	580.0	7505.5
-2050.0	300.0	7586.6	-2000.0	450.0	7642.0	-1950.0	590.0	7508.0
-2050.0	310.0	7590.5	-2000.0	460.0	7640.5	-1950.0	600.0	7508.6
-2050.0	320.0	7586.9	-2000.0	470.0	7623.0	-1900.0	0.0	7667.3
-2050.0	330.0	7587.5	-2000.0	480.0	7617.2	-1900.0	10.0	7664.7
-2050.0	340.0	7598.4	-2000.0	490.0	7615.3	-1900.0	20.0	7637.7
-2050.0	350.0	7609.9	-2000.0	500.0	7604.9	-1900.0	30.0	7639.9
-2050.0	360.0	7606.0	-2000.0	510.0	7592.5	-1900.0	40.0	7644.8
-2050.0	370.0	7611.9	-2000.0	520.0	7601.6	-1900.0	50.0	7664.1
-2050.0	380.0	7620.8	-2000.0	530.0	7603.7	-1900.0	60.0	7678.6
-2050.0	390.0	7614.6	-2000.0	540.0	7601.0	-1900.0	70.0	7679.7
-2050.0	400.0	7626.2	-2000.0	550.0	7619.6	-1900.0	80.0	7679.3
-2050.0	410.0	7630.7	-2000.0	560.0	7623.9	-1900.0	90.0	7652.8
-2050.0	420.0	7652.3	-2000.0	570.0	7607.8	-1900.0	100.0	7644.2
-2050.0	430.0	7638.9	-2000.0	580.0	7622.1	-1900.0	110.0	7658.4
-2050.0	440.0	7640.1	-2000.0	590.0	7614.5	-1900.0	120.0	7654.6
-2050.0	450.0	7650.4	-2000.0	600.0	7635.8	-1900.0	130.0	7641.4
-2050.0	460.0	7624.3	-2000.0	610.0	7631.2	-1900.0	140.0	7671.0
-2050.0	470.0	7606.8	-1950.0	0.0	7646.1	-1900.0	150.0	7652.6
-2050.0	480.0	7556.1	-1950.0	10.0	7662.5	-1900.0	160.0	7646.1
-2050.0	490.0	7486.0	-1950.0	20.0	7651.9	-1900.0	170.0	7649.4
-2050.0	500.0	7437.1	-1950.0	30.0	7637.2	-1900.0	180.0	7643.0
-2050.0	510.0	7420.6	-1950.0	40.0	7364.6	-1900.0	190.0	7658.7
-2050.0	520.0	7421.2	-1950.0	50.0	7464.1	-1900.0	200.0	7678.3
-2050.0	530.0	7419.6	-1950.0	60.0	7733.6	-1900.0	210.0	7693.9
-2050.0	540.0	7495.8	-1950.0	70.0	7742.2	-1900.0	220.0	7685.5
-2050.0	550.0	7508.9	-1950.0	80.0	7682.3	-1900.0	230.0	7684.4
-2050.0	560.0	7499.6	-1950.0	90.0	7628.1	-1900.0	240.0	7689.5

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-1900.0	250.0	7680.7	-1850.0	400.0	7699.7	-1800.0	550.0	7685.3
-1900.0	260.0	7658.4	-1850.0	410.0	7685.1	-1800.0	560.0	7677.4
-1900.0	270.0	7702.2	-1850.0	420.0	7684.9	-1800.0	570.0	7667.8
-1900.0	280.0	7682.0	-1850.0	430.0	7675.8	-1800.0	580.0	7661.1
-1900.0	290.0	7687.2	-1850.0	440.0	7674.0	-1800.0	590.0	7676.8
-1900.0	300.0	7665.6	-1850.0	450.0	7693.3	-1800.0	600.0	7667.5
-1900.0	310.0	7686.9	-1850.0	460.0	7695.1	-1750.0	0.0	7696.4
-1900.0	320.0	7689.6	-1850.0	470.0	7696.3	-1750.0	10.0	7668.1
-1900.0	330.0	7679.1	-1850.0	480.0	7696.1	-1750.0	20.0	7669.0
-1900.0	340.0	7686.3	-1850.0	490.0	7692.2	-1750.0	30.0	7662.1
-1900.0	350.0	7673.5	-1850.0	500.0	7672.1	-1750.0	40.0	7646.9
-1900.0	360.0	7691.6	-1850.0	510.0	7675.0	-1750.0	50.0	7670.2
-1900.0	370.0	7687.8	-1850.0	520.0	7666.1	-1750.0	60.0	7692.9
-1900.0	380.0	7702.1	-1850.0	530.0	7659.2	-1750.0	70.0	7705.7
-1900.0	390.0	7700.5	-1850.0	540.0	7653.9	-1750.0	80.0	7718.7
-1900.0	400.0	7695.7	-1850.0	550.0	7656.3	-1750.0	90.0	7717.0
-1900.0	410.0	7692.2	-1850.0	560.0	7642.3	-1750.0	100.0	7686.1
-1900.0	420.0	7691.1	-1850.0	570.0	7647.3	-1750.0	110.0	7668.2
-1900.0	430.0	7686.1	-1850.0	580.0	7660.1	-1750.0	120.0	7652.8
-1900.0	440.0	7692.0	-1850.0	590.0	7674.1	-1750.0	130.0	7651.6
-1900.0	450.0	7680.1	-1850.0	600.0	7671.8	-1750.0	140.0	7660.8
-1900.0	460.0	7682.3	-1800.0	0.0	7755.1	-1750.0	150.0	7638.4
-1900.0	470.0	7686.3	-1800.0	10.0	7723.4	-1750.0	160.0	7666.4
-1900.0	480.0	7679.2	-1800.0	20.0	7726.5	-1750.0	170.0	7634.6
-1900.0	490.0	7682.1	-1800.0	30.0	7753.6	-1750.0	180.0	7633.2
-1900.0	500.0	7691.1	-1800.0	40.0	7827.6	-1750.0	190.0	7639.2
-1900.0	510.0	7687.3	-1800.0	50.0	7818.8	-1750.0	200.0	7650.0
-1900.0	520.0	7681.2	-1800.0	60.0	7784.1	-1750.0	210.0	7646.5
-1900.0	530.0	7689.3	-1800.0	70.0	7796.3	-1750.0	220.0	7625.9
-1900.0	540.0	7691.8	-1800.0	80.0	7750.7	-1750.0	230.0	7654.7
-1900.0	550.0	7689.0	-1800.0	90.0	7705.8	-1750.0	240.0	7662.5
-1900.0	560.0	7685.1	-1800.0	100.0	7706.6	-1750.0	250.0	7663.4
-1900.0	570.0	7689.2	-1800.0	110.0	7694.4	-1750.0	260.0	7658.0
-1900.0	580.0	7681.2	-1800.0	120.0	7753.5	-1750.0	270.0	7650.1
-1900.0	590.0	7707.5	-1800.0	130.0	7729.6	-1750.0	280.0	7666.0
-1900.0	600.0	7697.0	-1800.0	140.0	7711.9	-1750.0	290.0	7689.4
-1850.0	0.0	7746.3	-1800.0	150.0	7698.0	-1750.0	300.0	7705.6
-1850.0	10.0	7766.8	-1800.0	160.0	7732.7	-1750.0	310.0	7677.2
-1850.0	20.0	7776.7	-1800.0	170.0	7740.9	-1750.0	320.0	7669.3
-1850.0	30.0	7786.2	-1800.0	180.0	7753.0	-1750.0	330.0	7683.2
-1850.0	40.0	7814.3	-1800.0	190.0	7734.5	-1750.0	340.0	7667.0
-1850.0	50.0	7756.8	-1800.0	200.0	7672.1	-1750.0	350.0	7681.5
-1850.0	60.0	7777.0	-1800.0	210.0	7686.4	-1750.0	360.0	7686.4
-1850.0	70.0	7679.8	-1800.0	220.0	7701.6	-1750.0	370.0	7663.5
-1850.0	80.0	7721.1	-1800.0	230.0	7674.3	-1750.0	380.0	7674.9
-1850.0	90.0	7849.1	-1800.0	240.0	7709.7	-1750.0	390.0	7642.1
-1850.0	100.0	7687.5	-1800.0	250.0	7656.5	-1750.0	400.0	7641.0
-1850.0	110.0	7712.9	-1800.0	260.0	7665.6	-1750.0	410.0	7659.7
-1850.0	120.0	7670.3	-1800.0	270.0	7672.8	-1750.0	420.0	7685.5
-1850.0	130.0	7667.7	-1800.0	280.0	7657.7	-1750.0	430.0	7650.4
-1850.0	140.0	7666.4	-1800.0	290.0	7730.5	-1750.0	440.0	7675.0
-1850.0	150.0	7666.9	-1800.0	300.0	7705.6	-1750.0	450.0	7694.4
-1850.0	160.0	7655.7	-1800.0	310.0	7652.3	-1750.0	460.0	7734.2
-1850.0	170.0	7637.6	-1800.0	320.0	7670.7	-1750.0	470.0	7679.2
-1850.0	180.0	7647.3	-1800.0	330.0	7621.4	-1750.0	480.0	7670.6
-1850.0	190.0	7665.2	-1800.0	340.0	7612.1	-1750.0	490.0	7611.5
-1850.0	200.0	7643.4	-1800.0	350.0	7663.2	-1750.0	500.0	7638.7
-1850.0	210.0	7638.6	-1800.0	360.0	7619.4	-1750.0	510.0	7654.3
-1850.0	220.0	7622.7	-1800.0	370.0	7599.6	-1750.0	520.0	7648.5
-1850.0	230.0	7635.2	-1800.0	380.0	7643.7	-1750.0	530.0	7646.9
-1850.0	240.0	7651.6	-1800.0	390.0	7663.7	-1750.0	540.0	7678.6
-1850.0	250.0	7647.5	-1800.0	400.0	7654.7	-1750.0	550.0	7659.2
-1850.0	260.0	7627.5	-1800.0	410.0	7639.0	-1750.0	560.0	7606.7
-1850.0	270.0	7626.0	-1800.0	420.0	7641.4	-1750.0	570.0	7652.3
-1850.0	280.0	7616.3	-1800.0	430.0	7672.0	-1750.0	580.0	7670.0
-1850.0	290.0	7636.5	-1800.0	440.0	7701.7	-1750.0	590.0	7677.0
-1850.0	300.0	7629.2	-1800.0	450.0	7702.6	-1750.0	600.0	7681.6
-1850.0	310.0	7639.4	-1800.0	460.0	7692.3	-1700.0	0.0	7725.6
-1850.0	320.0	7637.6	-1800.0	470.0	7677.6	-1700.0	10.0	7711.1
-1850.0	330.0	7641.2	-1800.0	480.0	7682.2	-1700.0	20.0	7697.4
-1850.0	340.0	7634.9	-1800.0	490.0	7717.6	-1700.0	30.0	7690.1
-1850.0	350.0	7643.2	-1800.0	500.0	7783.9	-1700.0	40.0	7726.3
-1850.0	360.0	7610.2	-1800.0	510.0	7712.5	-1700.0	50.0	7716.7
-1850.0	370.0	7660.3	-1800.0	520.0	7763.2	-1700.0	60.0	7690.9
-1850.0	380.0	7696.8	-1800.0	530.0	7690.4	-1700.0	70.0	7816.0
-1850.0	390.0	7690.9	-1800.0	540.0	7674.2	-1700.0	80.0	7706.6

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-1700.0	90.0	7705.1	-1650.0	240.0	7648.7	-1600.0	390.0	7707.7
-1700.0	100.0	7722.2	-1650.0	250.0	7674.6	-1600.0	400.0	7687.7
-1700.0	110.0	7657.9	-1650.0	260.0	7677.4	-1600.0	410.0	7655.2
-1700.0	120.0	7693.2	-1650.0	270.0	7700.0	-1600.0	420.0	7665.8
-1700.0	130.0	7699.4	-1650.0	280.0	7702.4	-1600.0	430.0	7689.3
-1700.0	140.0	7694.8	-1650.0	290.0	7689.3	-1600.0	440.0	7639.1
-1700.0	150.0	7694.3	-1650.0	300.0	7687.2	-1600.0	450.0	7656.6
-1700.0	160.0	7712.1	-1650.0	310.0	7675.6	-1600.0	460.0	7647.8
-1700.0	170.0	7704.1	-1650.0	320.0	7692.9	-1600.0	470.0	7662.3
-1700.0	180.0	7682.5	-1650.0	330.0	7699.4	-1600.0	480.0	7666.8
-1700.0	190.0	7682.7	-1650.0	340.0	7748.7	-1600.0	490.0	7668.1
-1700.0	200.0	7693.8	-1650.0	350.0	7685.1	-1600.0	500.0	7686.5
-1700.0	210.0	7688.4	-1650.0	360.0	7712.4	-1600.0	510.0	7664.5
-1700.0	220.0	7687.5	-1650.0	370.0	7662.4	-1600.0	520.0	7680.3
-1700.0	230.0	7653.0	-1650.0	380.0	7639.4	-1600.0	530.0	7682.9
-1700.0	240.0	7641.1	-1650.0	390.0	7657.5	-1600.0	540.0	7675.2
-1700.0	250.0	7657.8	-1650.0	400.0	7668.9	-1600.0	550.0	7677.7
-1700.0	260.0	7666.9	-1650.0	410.0	7681.6	-1600.0	560.0	7691.1
-1700.0	270.0	7670.6	-1650.0	420.0	7655.8	-1600.0	570.0	7709.9
-1700.0	280.0	7683.0	-1650.0	430.0	7650.6	-1600.0	580.0	7728.5
-1700.0	290.0	7681.1	-1650.0	440.0	7678.8	-1600.0	590.0	7720.1
-1700.0	300.0	7670.0	-1650.0	450.0	7681.1	-1600.0	600.0	7656.4
-1700.0	310.0	7675.1	-1650.0	460.0	7655.8	-1550.0	0.0	7706.0
-1700.0	320.0	7702.2	-1650.0	470.0	7661.1	-1550.0	10.0	7657.2
-1700.0	330.0	7692.5	-1650.0	480.0	7655.9	-1550.0	20.0	7666.3
-1700.0	340.0	7610.5	-1650.0	490.0	7664.4	-1550.0	30.0	7775.8
-1700.0	350.0	7641.8	-1650.0	500.0	7659.9	-1550.0	40.0	7763.6
-1700.0	360.0	7675.3	-1650.0	510.0	7652.8	-1550.0	50.0	7800.7
-1700.0	370.0	7650.3	-1650.0	520.0	7664.3	-1550.0	60.0	7777.5
-1700.0	380.0	7640.4	-1650.0	530.0	7671.1	-1550.0	70.0	7784.5
-1700.0	390.0	7652.1	-1650.0	540.0	7672.4	-1550.0	80.0	7735.2
-1700.0	400.0	7618.8	-1650.0	550.0	7669.5	-1550.0	90.0	7646.0
-1700.0	410.0	7667.5	-1650.0	560.0	7651.6	-1550.0	100.0	7700.1
-1700.0	420.0	7658.6	-1650.0	570.0	7649.9	-1550.0	110.0	7693.3
-1700.0	430.0	7674.2	-1650.0	580.0	7660.2	-1550.0	120.0	7693.8
-1700.0	440.0	7643.4	-1650.0	590.0	7632.3	-1550.0	130.0	7799.5
-1700.0	450.0	7648.2	-1650.0	600.0	7654.3	-1550.0	140.0	7891.2
-1700.0	460.0	7663.2	-1600.0	0.0	7670.6	-1550.0	150.0	7791.1
-1700.0	470.0	7689.6	-1600.0	10.0	7684.8	-1550.0	160.0	7720.3
-1700.0	480.0	7663.7	-1600.0	20.0	7747.5	-1550.0	170.0	7672.4
-1700.0	490.0	7680.6	-1600.0	30.0	7771.6	-1550.0	180.0	7667.5
-1700.0	500.0	7674.5	-1600.0	40.0	7753.1	-1550.0	190.0	7668.9
-1700.0	510.0	7682.8	-1600.0	50.0	7780.0	-1550.0	200.0	7695.5
-1700.0	520.0	7678.2	-1600.0	60.0	7791.7	-1550.0	210.0	7716.0
-1700.0	530.0	7667.9	-1600.0	70.0	7761.2	-1550.0	220.0	7689.5
-1700.0	540.0	7679.5	-1600.0	80.0	7739.0	-1550.0	230.0	7688.3
-1700.0	550.0	7681.6	-1600.0	90.0	7711.9	-1550.0	240.0	7773.0
-1700.0	560.0	7697.1	-1600.0	100.0	7637.6	-1550.0	250.0	7807.2
-1700.0	570.0	7709.4	-1600.0	110.0	7707.1	-1550.0	260.0	7781.3
-1700.0	580.0	7668.3	-1600.0	120.0	7718.4	-1550.0	270.0	7737.7
-1700.0	590.0	7639.7	-1600.0	130.0	7809.7	-1550.0	280.0	7750.0
-1700.0	600.0	7641.0	-1600.0	140.0	7790.8	-1550.0	290.0	7729.1
-1650.0	0.0	7708.0	-1600.0	150.0	7775.1	-1550.0	300.0	7717.3
-1650.0	10.0	7737.4	-1600.0	160.0	7827.5	-1550.0	310.0	7733.0
-1650.0	20.0	7745.5	-1600.0	170.0	7756.9	-1550.0	320.0	7718.9
-1650.0	30.0	7783.7	-1600.0	180.0	7834.3	-1550.0	330.0	7746.1
-1650.0	40.0	7783.0	-1600.0	190.0	7711.3	-1550.0	340.0	7775.6
-1650.0	50.0	7725.8	-1600.0	200.0	7674.9	-1550.0	350.0	7716.1
-1650.0	60.0	7734.1	-1600.0	210.0	7729.5	-1550.0	360.0	7640.5
-1650.0	70.0	7707.9	-1600.0	220.0	7730.3	-1550.0	370.0	7667.6
-1650.0	80.0	7712.5	-1600.0	230.0	7680.3	-1550.0	380.0	7650.1
-1650.0	90.0	7733.1	-1600.0	240.0	7669.5	-1550.0	390.0	7752.6
-1650.0	100.0	7704.6	-1600.0	250.0	7677.4	-1550.0	400.0	7715.2
-1650.0	110.0	7686.1	-1600.0	260.0	7688.9	-1550.0	410.0	7694.0
-1650.0	120.0	7660.6	-1600.0	270.0	7689.8	-1550.0	420.0	7650.8
-1650.0	130.0	7627.3	-1600.0	280.0	7691.8	-1550.0	430.0	7678.2
-1650.0	140.0	7664.9	-1600.0	290.0	7689.6	-1550.0	440.0	7736.2
-1650.0	150.0	7685.2	-1600.0	300.0	7691.0	-1550.0	450.0	7657.4
-1650.0	160.0	7674.9	-1600.0	310.0	7721.5	-1550.0	460.0	7653.3
-1650.0	170.0	7700.3	-1600.0	320.0	7686.9	-1550.0	470.0	7690.5
-1650.0	180.0	7710.4	-1600.0	330.0	7714.3	-1550.0	480.0	7685.0
-1650.0	190.0	7736.1	-1600.0	340.0	7765.4	-1550.0	490.0	7733.8
-1650.0	200.0	7720.6	-1600.0	350.0	7704.3	-1550.0	500.0	7710.4
-1650.0	210.0	7682.9	-1600.0	360.0	7638.3	-1550.0	510.0	7690.0
-1650.0	220.0	7687.6	-1600.0	370.0	7677.1	-1550.0	520.0	7676.5
-1650.0	230.0	7662.7	-1600.0	380.0	7710.2	-1550.0	530.0	7662.7

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-1550.0	540.0	7701.0	-1450.0	80.0	7728.9	-1400.0	270.0	7691.7
-1550.0	550.0	7645.1	-1450.0	90.0	7715.9	-1400.0	280.0	7703.1
-1550.0	560.0	7645.2	-1450.0	100.0	7677.4	-1400.0	290.0	7629.4
-1550.0	570.0	7676.7	-1450.0	110.0	7689.5	-1400.0	300.0	7679.0
-1550.0	580.0	7636.1	-1450.0	120.0	7735.8	-1400.0	310.0	7688.8
-1550.0	590.0	7656.9	-1450.0	130.0	7713.1	-1400.0	320.0	7660.7
-1550.0	600.0	7706.0	-1450.0	140.0	7726.8	-1400.0	330.0	7697.9
-1500.0	0.0	7752.8	-1450.0	150.0	7740.6	-1400.0	340.0	7738.8
-1500.0	10.0	7682.5	-1450.0	160.0	7748.0	-1400.0	350.0	7788.5
-1500.0	20.0	7743.7	-1450.0	170.0	7813.4	-1400.0	360.0	7836.1
-1500.0	30.0	7757.1	-1450.0	180.0	7751.5	-1400.0	370.0	7729.8
-1500.0	40.0	7822.6	-1450.0	190.0	7618.3	-1400.0	380.0	7716.5
-1500.0	50.0	7805.6	-1450.0	200.0	7633.6	-1400.0	390.0	7766.7
-1500.0	60.0	7766.6	-1450.0	210.0	7683.7	-1400.0	400.0	7747.6
-1500.0	70.0	7793.3	-1450.0	220.0	7670.0	-1400.0	410.0	7744.0
-1500.0	80.0	7751.8	-1450.0	230.0	7690.9	-1400.0	420.0	7801.4
-1500.0	90.0	7707.4	-1450.0	240.0	7681.6	-1400.0	430.0	7680.0
-1500.0	100.0	7659.8	-1450.0	250.0	7641.2	-1400.0	440.0	7759.7
-1500.0	110.0	7700.0	-1450.0	260.0	7595.6	-1400.0	450.0	7768.6
-1500.0	120.0	7731.9	-1450.0	270.0	7563.4	-1400.0	460.0	7788.2
-1500.0	130.0	7685.8	-1450.0	280.0	7699.7	-1400.0	470.0	7762.3
-1500.0	140.0	7692.1	-1450.0	290.0	7720.2	-1400.0	480.0	7800.8
-1500.0	150.0	7675.5	-1450.0	300.0	7721.6	-1400.0	490.0	7769.2
-1500.0	160.0	7687.7	-1450.0	310.0	7711.5	-1400.0	500.0	7760.0
-1500.0	170.0	7724.9	-1450.0	320.0	7788.6	-1400.0	510.0	7711.9
-1500.0	180.0	7668.0	-1450.0	330.0	7804.4	-1400.0	520.0	7670.2
-1500.0	190.0	7665.7	-1450.0	340.0	7804.7	-1400.0	530.0	7639.0
-1500.0	200.0	7672.6	-1450.0	350.0	7771.9	-1400.0	540.0	7601.5
-1500.0	210.0	7664.6	-1450.0	360.0	7729.5	-1400.0	550.0	7617.9
-1500.0	220.0	7656.0	-1450.0	370.0	7652.2	-1400.0	560.0	7667.3
-1500.0	230.0	7655.0	-1450.0	380.0	7658.5	-1400.0	570.0	7693.7
-1500.0	240.0	7673.3	-1450.0	390.0	7670.4	-1400.0	580.0	7710.5
-1500.0	250.0	7689.0	-1450.0	400.0	7649.9	-1400.0	590.0	7674.8
-1500.0	260.0	7719.0	-1450.0	410.0	7675.1	-1400.0	600.0	7657.7
-1500.0	270.0	7716.3	-1450.0	420.0	7732.2	-1350.0	0.0	7730.1
-1500.0	280.0	7705.5	-1450.0	430.0	7596.3	-1350.0	10.0	7712.6
-1500.0	290.0	7701.5	-1450.0	440.0	7604.6	-1350.0	20.0	7729.0
-1500.0	300.0	7738.2	-1450.0	450.0	7647.4	-1350.0	30.0	7735.9
-1500.0	310.0	7755.7	-1450.0	460.0	7619.6	-1350.0	40.0	7778.3
-1500.0	320.0	7782.7	-1450.0	470.0	7610.5	-1350.0	50.0	7792.5
-1500.0	330.0	7824.4	-1450.0	480.0	7698.5	-1350.0	60.0	7783.8
-1500.0	340.0	7768.3	-1450.0	490.0	7743.8	-1350.0	170.0	7708.6
-1500.0	350.0	7615.3	-1450.0	500.0	7718.3	-1350.0	180.0	7765.6
-1500.0	360.0	7647.3	-1450.0	510.0	7720.8	-1350.0	190.0	7768.0
-1500.0	370.0	7669.3	-1450.0	520.0	7609.1	-1350.0	200.0	7773.2
-1500.0	380.0	7727.2	-1450.0	530.0	7674.0	-1350.0	210.0	7740.1
-1500.0	390.0	7704.4	-1450.0	540.0	7684.1	-1350.0	220.0	7745.6
-1500.0	400.0	7672.4	-1450.0	550.0	7688.3	-1350.0	230.0	7659.3
-1500.0	410.0	7678.3	-1450.0	560.0	7681.0	-1350.0	240.0	7707.6
-1500.0	420.0	7711.7	-1450.0	570.0	7689.6	-1350.0	250.0	7634.9
-1500.0	430.0	7702.7	-1450.0	580.0	7722.1	-1350.0	260.0	7677.2
-1500.0	440.0	7687.1	-1450.0	590.0	7752.3	-1350.0	270.0	7673.1
-1500.0	450.0	7718.7	-1450.0	600.0	7717.0	-1350.0	280.0	7706.6
-1500.0	460.0	7713.7	-1450.0	610.0	7717.7	-1350.0	290.0	7723.4
-1500.0	470.0	7695.0	-1450.0	620.0	7681.9	-1350.0	300.0	7721.9
-1500.0	480.0	7697.1	-1400.0	0.0	7728.1	-1350.0	310.0	7693.6
-1500.0	490.0	7693.7	-1400.0	10.0	7715.8	-1350.0	320.0	7731.8
-1500.0	500.0	7660.1	-1400.0	20.0	7713.9	-1350.0	330.0	7714.7
-1500.0	510.0	7680.5	-1400.0	30.0	7700.3	-1350.0	340.0	7712.6
-1500.0	520.0	7677.5	-1400.0	40.0	7677.2	-1350.0	350.0	7741.1
-1500.0	530.0	7688.2	-1400.0	50.0	7690.0	-1350.0	360.0	7662.0
-1500.0	540.0	7687.9	-1400.0	120.0	7788.9	-1350.0	370.0	7715.6
-1500.0	550.0	7654.7	-1400.0	130.0	7770.0	-1350.0	380.0	7806.1
-1500.0	560.0	7648.8	-1400.0	140.0	7785.6	-1350.0	390.0	7737.0
-1500.0	570.0	7711.8	-1400.0	150.0	7797.6	-1350.0	400.0	7723.1
-1500.0	580.0	7651.2	-1400.0	160.0	7750.3	-1350.0	410.0	7712.6
-1500.0	590.0	7676.4	-1400.0	170.0	7798.3	-1350.0	420.0	7743.7
-1500.0	600.0	7694.8	-1400.0	180.0	7754.9	-1350.0	430.0	7723.5
-1450.0	0.0	7699.3	-1400.0	190.0	7756.4	-1350.0	440.0	7707.3
-1450.0	10.0	7712.0	-1400.0	200.0	7747.2	-1350.0	450.0	7722.3
-1450.0	20.0	7739.4	-1400.0	210.0	7740.8	-1350.0	460.0	7691.2
-1450.0	30.0	7813.3	-1400.0	220.0	7692.8	-1350.0	470.0	7659.1
-1450.0	40.0	7835.5	-1400.0	230.0	7701.2	-1350.0	480.0	7680.8
-1450.0	50.0	7813.9	-1400.0	240.0	7683.8	-1350.0	490.0	7716.5
-1450.0	60.0	7802.4	-1400.0	250.0	7659.0	-1350.0	500.0	7686.0
-1450.0	70.0	7747.0	-1400.0	260.0	7640.2	-1350.0	510.0	7669.9

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-1350.0	520.0	7754.2	-1250.0	50.0	7709.0	-1200.0	200.0	8408.4
-1350.0	530.0	7758.1	-1250.0	60.0	7675.3	-1200.0	210.0	9448.0
-1350.0	540.0	7704.0	-1250.0	70.0	7682.9	-1200.0	220.0	9748.6
-1350.0	550.0	7659.1	-1250.0	80.0	7728.8	-1200.0	230.0	9358.5
-1350.0	560.0	7678.4	-1250.0	90.0	7718.7	-1200.0	240.0	7970.7
-1350.0	570.0	7708.2	-1250.0	100.0	7712.0	-1200.0	250.0	7611.4
-1350.0	580.0	7728.5	-1250.0	110.0	7716.5	-1200.0	260.0	7582.8
-1350.0	590.0	7735.9	-1250.0	120.0	7735.2	-1200.0	270.0	7564.3
-1350.0	600.0	7748.1	-1250.0	130.0	7722.5	-1200.0	280.0	7664.3
-1300.0	-10.0	7874.2	-1250.0	140.0	7769.2	-1200.0	290.0	7590.1
-1300.0	0.0	7730.4	-1250.0	150.0	7778.6	-1200.0	300.0	7597.8
-1300.0	10.0	7752.1	-1250.0	160.0	7785.9	-1200.0	310.0	7665.5
-1300.0	20.0	7799.8	-1250.0	170.0	7807.7	-1200.0	320.0	7737.4
-1300.0	30.0	7790.0	-1250.0	180.0	7794.6	-1200.0	330.0	7662.1
-1300.0	40.0	7781.7	-1250.0	190.0	7883.5	-1200.0	340.0	7641.6
-1300.0	50.0	7773.1	-1250.0	200.0	8192.5	-1200.0	350.0	7670.0
-1300.0	60.0	7773.9	-1250.0	210.0	8656.4	-1200.0	360.0	7754.9
-1300.0	70.0	7767.0	-1250.0	220.0	8132.4	-1200.0	370.0	7692.5
-1300.0	80.0	7694.8	-1250.0	230.0	7559.1	-1200.0	380.0	7749.7
-1300.0	90.0	7688.6	-1250.0	240.0	7558.2	-1200.0	390.0	7713.1
-1300.0	100.0	7782.1	-1250.0	250.0	7633.9	-1200.0	400.0	7734.0
-1300.0	110.0	7732.9	-1250.0	260.0	7536.2	-1200.0	410.0	7733.3
-1300.0	120.0	7693.6	-1250.0	270.0	7573.7	-1200.0	420.0	7721.2
-1300.0	130.0	7703.8	-1250.0	280.0	7631.3	-1200.0	430.0	7751.8
-1300.0	140.0	7721.8	-1250.0	290.0	7633.7	-1200.0	440.0	7741.0
-1300.0	150.0	7715.8	-1250.0	300.0	7662.8	-1200.0	450.0	7688.5
-1300.0	160.0	7710.9	-1250.0	310.0	7626.0	-1200.0	460.0	7700.0
-1300.0	170.0	7714.0	-1250.0	320.0	7621.7	-1200.0	470.0	7729.2
-1300.0	180.0	7729.2	-1250.0	330.0	7592.9	-1200.0	480.0	7756.3
-1300.0	190.0	7750.9	-1250.0	340.0	7629.2	-1200.0	490.0	7855.5
-1300.0	200.0	7759.2	-1250.0	350.0	7647.0	-1200.0	500.0	7886.5
-1300.0	210.0	7795.3	-1250.0	360.0	7688.0	-1200.0	510.0	7846.1
-1300.0	220.0	7642.7	-1250.0	370.0	7593.0	-1200.0	520.0	7801.3
-1300.0	230.0	7655.3	-1250.0	380.0	7532.5	-1200.0	530.0	7798.1
-1300.0	240.0	7647.6	-1250.0	390.0	7628.8	-1200.0	540.0	7765.8
-1300.0	250.0	7626.1	-1250.0	400.0	7700.4	-1200.0	550.0	7768.5
-1300.0	260.0	7660.5	-1250.0	410.0	7654.5	-1200.0	560.0	7760.5
-1300.0	270.0	7665.3	-1250.0	420.0	7658.4	-1200.0	570.0	7772.8
-1300.0	280.0	7680.4	-1250.0	430.0	7682.5	-1200.0	580.0	7780.5
-1300.0	290.0	7642.4	-1250.0	440.0	7681.3	-1200.0	590.0	7779.5
-1300.0	300.0	7627.7	-1250.0	450.0	7688.9	-1200.0	600.0	7765.7
-1300.0	310.0	7660.9	-1250.0	460.0	7706.4	-1150.0	0.0	7675.5
-1300.0	320.0	7666.0	-1250.0	470.0	7709.1	-1150.0	10.0	7712.0
-1300.0	330.0	7689.5	-1250.0	480.0	7761.1	-1150.0	20.0	7732.5
-1300.0	340.0	7674.6	-1250.0	490.0	7791.5	-1150.0	30.0	7703.9
-1300.0	350.0	7705.5	-1250.0	500.0	7911.9	-1150.0	40.0	7692.0
-1300.0	360.0	7568.7	-1250.0	510.0	7889.0	-1150.0	50.0	7688.5
-1300.0	370.0	7681.0	-1250.0	520.0	7739.1	-1150.0	60.0	7692.6
-1300.0	380.0	7705.8	-1250.0	530.0	7726.8	-1150.0	70.0	7690.7
-1300.0	390.0	7727.0	-1250.0	540.0	7737.3	-1150.0	80.0	7682.1
-1300.0	400.0	7746.8	-1250.0	550.0	7733.4	-1150.0	90.0	7666.8
-1300.0	410.0	7736.6	-1250.0	560.0	7742.9	-1150.0	100.0	7663.7
-1300.0	420.0	7743.1	-1250.0	570.0	7741.9	-1150.0	110.0	7733.7
-1300.0	430.0	7741.5	-1250.0	580.0	7737.9	-1150.0	120.0	7750.9
-1300.0	440.0	7758.2	-1250.0	590.0	7732.5	-1150.0	130.0	7739.8
-1300.0	450.0	7740.9	-1250.0	600.0	7737.4	-1150.0	140.0	7735.6
-1300.0	460.0	7757.5	-1200.0	0.0	7736.2	-1150.0	150.0	7705.8
-1300.0	470.0	7732.3	-1200.0	10.0	7765.9	-1150.0	160.0	7721.5
-1300.0	480.0	7728.7	-1200.0	20.0	7752.2	-1150.0	170.0	7746.4
-1300.0	490.0	7766.9	-1200.0	30.0	7725.6	-1150.0	180.0	7713.8
-1300.0	500.0	7781.3	-1200.0	40.0	7687.8	-1150.0	190.0	7675.1
-1300.0	510.0	7744.3	-1200.0	50.0	7708.2	-1150.0	200.0	7718.9
-1300.0	520.0	7759.7	-1200.0	60.0	7708.1	-1150.0	210.0	7710.8
-1300.0	530.0	7697.2	-1200.0	70.0	7688.4	-1150.0	220.0	7762.9
-1300.0	540.0	7665.2	-1200.0	80.0	7710.7	-1150.0	230.0	8703.1
-1300.0	550.0	7689.5	-1200.0	90.0	7727.5	-1150.0	240.0	9035.2
-1300.0	560.0	7736.8	-1200.0	100.0	7787.9	-1150.0	250.0	8373.7
-1300.0	570.0	7762.4	-1200.0	110.0	7790.0	-1150.0	260.0	7764.6
-1300.0	580.0	7745.6	-1200.0	120.0	7767.4	-1150.0	270.0	7638.7
-1300.0	590.0	7733.6	-1200.0	130.0	7769.1	-1150.0	280.0	7621.7
-1300.0	600.0	7696.2	-1200.0	140.0	7696.8	-1150.0	290.0	7703.8
-1250.0	0.0	7719.4	-1200.0	150.0	7736.5	-1150.0	300.0	7583.5
-1250.0	10.0	7731.6	-1200.0	160.0	7724.5	-1150.0	310.0	7455.8
-1250.0	20.0	7695.2	-1200.0	170.0	7780.4	-1150.0	320.0	7545.5
-1250.0	30.0	7717.4	-1200.0	180.0	7839.5	-1150.0	330.0	7614.1
-1250.0	40.0	7704.7	-1200.0	190.0	7990.3	-1150.0	340.0	7648.0

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-1150.0	350.0	7666.2	-1100.0	490.0	7771.8	-1000.0	-10.0	7739.4
-1150.0	360.0	7698.8	-1100.0	500.0	7786.6	-1000.0	0.0	7698.3
-1150.0	370.0	7665.0	-1100.0	510.0	7758.9	-1000.0	10.0	7656.8
-1150.0	380.0	7679.6	-1100.0	520.0	7750.1	-1000.0	20.0	7665.5
-1150.0	390.0	7703.6	-1100.0	530.0	7757.6	-1000.0	30.0	7693.9
-1150.0	400.0	7733.0	-1100.0	540.0	7769.9	-1000.0	40.0	7652.6
-1150.0	410.0	7732.9	-1100.0	550.0	7772.0	-1000.0	50.0	7855.6
-1150.0	420.0	7743.4	-1100.0	560.0	7798.1	-1000.0	60.0	7779.7
-1150.0	430.0	7788.7	-1100.0	570.0	7724.5	-1000.0	70.0	7705.9
-1150.0	440.0	7776.4	-1100.0	580.0	7712.7	-1000.0	80.0	7699.8
-1150.0	450.0	7765.3	-1100.0	590.0	7745.8	-1000.0	90.0	7717.0
-1150.0	460.0	7798.5	-1100.0	600.0	7799.3	-1000.0	100.0	7795.0
-1150.0	470.0	7780.2	-1050.0	0.0	7687.8	-1000.0	110.0	7851.1
-1150.0	480.0	7822.6	-1050.0	10.0	7750.8	-1000.0	120.0	7775.9
-1150.0	490.0	7837.4	-1050.0	20.0	7709.1	-1000.0	130.0	7785.7
-1150.0	500.0	7875.1	-1050.0	30.0	7731.4	-1000.0	140.0	7725.3
-1150.0	510.0	7833.3	-1050.0	40.0	7706.9	-1000.0	150.0	7709.8
-1150.0	520.0	7816.1	-1050.0	50.0	7657.7	-1000.0	160.0	7705.2
-1150.0	530.0	7800.5	-1050.0	60.0	7744.9	-1000.0	170.0	7727.8
-1150.0	540.0	7788.1	-1050.0	70.0	7658.2	-1000.0	180.0	7691.9
-1150.0	550.0	7760.2	-1050.0	80.0	7707.0	-1000.0	190.0	7712.5
-1150.0	560.0	7725.2	-1050.0	90.0	7733.4	-1000.0	200.0	7731.1
-1150.0	570.0	7724.7	-1050.0	100.0	7695.8	-1000.0	210.0	7744.9
-1150.0	580.0	7703.2	-1050.0	110.0	7679.2	-1000.0	220.0	7703.8
-1150.0	590.0	7790.1	-1050.0	120.0	7685.8	-1000.0	230.0	7697.1
-1150.0	600.0	7826.4	-1050.0	130.0	7700.1	-1000.0	240.0	7760.2
-1100.0	-10.0	7722.4	-1050.0	140.0	7709.7	-1000.0	250.0	7764.3
-1100.0	0.0	7719.1	-1050.0	150.0	7645.0	-1000.0	260.0	7801.1
-1100.0	10.0	7688.4	-1050.0	160.0	7741.7	-1000.0	270.0	7789.6
-1100.0	20.0	7689.9	-1050.0	170.0	7719.6	-1000.0	280.0	7785.3
-1100.0	30.0	7731.1	-1050.0	180.0	7703.8	-1000.0	290.0	7795.6
-1100.0	40.0	7744.8	-1050.0	190.0	7683.6	-1000.0	300.0	7799.6
-1100.0	50.0	7732.8	-1050.0	200.0	7736.6	-1000.0	310.0	7807.7
-1100.0	60.0	7717.7	-1050.0	210.0	7713.1	-1000.0	320.0	7801.4
-1100.0	70.0	7705.6	-1050.0	220.0	7736.4	-1000.0	330.0	7769.2
-1100.0	80.0	7711.0	-1050.0	230.0	7704.7	-1000.0	340.0	7744.4
-1100.0	90.0	7696.9	-1050.0	240.0	7701.9	-1000.0	350.0	7743.5
-1100.0	100.0	7696.4	-1050.0	250.0	7719.0	-1000.0	360.0	7752.7
-1100.0	110.0	7685.2	-1050.0	260.0	7707.6	-1000.0	370.0	7747.9
-1100.0	120.0	7661.9	-1050.0	270.0	7745.1	-1000.0	380.0	7786.7
-1100.0	130.0	7629.0	-1050.0	280.0	7757.8	-1000.0	390.0	7727.4
-1100.0	140.0	7627.6	-1050.0	290.0	7796.1	-1000.0	400.0	7749.2
-1100.0	150.0	7696.4	-1050.0	300.0	7761.4	-1000.0	410.0	7772.9
-1100.0	160.0	7732.6	-1050.0	310.0	7797.8	-1000.0	420.0	7695.5
-1100.0	170.0	7779.0	-1050.0	320.0	7809.8	-1000.0	430.0	7726.4
-1100.0	180.0	7742.5	-1050.0	330.0	7840.8	-1000.0	440.0	7712.0
-1100.0	190.0	7656.2	-1050.0	340.0	7779.4	-1000.0	450.0	7711.6
-1100.0	200.0	7601.4	-1050.0	350.0	7811.7	-1000.0	460.0	7735.2
-1100.0	210.0	7637.5	-1050.0	360.0	7798.7	-1000.0	470.0	7736.8
-1100.0	220.0	7533.5	-1050.0	370.0	7802.2	-1000.0	480.0	7742.6
-1100.0	230.0	7514.8	-1050.0	380.0	7788.0	-1000.0	490.0	7776.8
-1100.0	240.0	7466.0	-1050.0	390.0	7777.2	-1000.0	500.0	7820.5
-1100.0	250.0	7431.7	-1050.0	400.0	7789.0	-1000.0	510.0	7717.8
-1100.0	260.0	7569.9	-1050.0	410.0	7747.5	-1000.0	520.0	7728.1
-1100.0	270.0	7677.6	-1050.0	420.0	7745.7	-1000.0	530.0	7814.6
-1100.0	280.0	7711.2	-1050.0	430.0	7737.7	-1000.0	540.0	7745.0
-1100.0	290.0	7722.8	-1050.0	440.0	7740.5	-1000.0	550.0	7709.6
-1100.0	300.0	7742.8	-1050.0	450.0	7739.6	-1000.0	560.0	7690.0
-1100.0	310.0	7743.4	-1050.0	460.0	7736.0	-1000.0	570.0	7791.5
-1100.0	320.0	7722.1	-1050.0	470.0	7732.3	-1000.0	580.0	7865.6
-1100.0	330.0	7773.4	-1050.0	480.0	7739.3	-1000.0	590.0	7827.1
-1100.0	340.0	7718.4	-1050.0	490.0	7717.2	-1000.0	600.0	7749.8
-1100.0	350.0	7768.9	-1050.0	500.0	7739.3	-950.0	0.0	7697.6
-1100.0	360.0	7798.1	-1050.0	510.0	7729.4	-950.0	10.0	7665.4
-1100.0	370.0	7823.4	-1050.0	520.0	7748.3	-950.0	20.0	7692.9
-1100.0	380.0	7791.6	-1050.0	530.0	7783.9	-950.0	30.0	7685.4
-1100.0	390.0	7786.9	-1050.0	540.0	7823.0	-950.0	40.0	7643.7
-1100.0	400.0	7792.8	-1050.0	550.0	7791.0	-950.0	50.0	7687.3
-1100.0	410.0	7784.1	-1050.0	560.0	7768.0	-950.0	60.0	7672.8
-1100.0	420.0	7781.1	-1050.0	570.0	7793.3	-950.0	70.0	7796.9
-1100.0	430.0	7796.7	-1050.0	580.0	7781.6	-950.0	80.0	7779.6
-1100.0	440.0	7796.0	-1050.0	590.0	7754.7	-950.0	90.0	7586.2
-1100.0	450.0	7797.2	-1050.0	600.0	7751.9	-950.0	100.0	7770.5
-1100.0	460.0	7781.3	-1000.0	-40.0	7761.7	-950.0	110.0	7692.5
-1100.0	470.0	7773.8	-1000.0	-30.0	7827.4	-950.0	120.0	7727.2
-1100.0	480.0	7765.5	-1000.0	-20.0	7767.7	-950.0	130.0	7668.7

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-950.0	140.0	7728.0	-900.0	290.0	7800.2	-850.0	440.0	7838.0
-950.0	150.0	7712.5	-900.0	300.0	7779.2	-850.0	450.0	7849.4
-950.0	160.0	7726.7	-900.0	310.0	7783.2	-850.0	460.0	7870.3
-950.0	170.0	7728.7	-900.0	320.0	7774.5	-850.0	470.0	7893.6
-950.0	180.0	7727.9	-900.0	330.0	7765.0	-850.0	480.0	7834.6
-950.0	190.0	7726.0	-900.0	340.0	7760.0	-850.0	490.0	7852.6
-950.0	200.0	7738.8	-900.0	350.0	7787.6	-850.0	500.0	7840.9
-950.0	210.0	7784.0	-900.0	360.0	7782.8	-850.0	510.0	7850.4
-950.0	220.0	7791.9	-900.0	370.0	7809.4	-850.0	520.0	7837.4
-950.0	230.0	7776.1	-900.0	380.0	7828.5	-850.0	530.0	7837.8
-950.0	240.0	7760.9	-900.0	390.0	7833.7	-850.0	540.0	7820.1
-950.0	250.0	7787.1	-900.0	400.0	7844.4	-850.0	550.0	7821.7
-950.0	260.0	7789.2	-900.0	410.0	7792.2	-850.0	560.0	7820.7
-950.0	270.0	7775.6	-900.0	420.0	7794.1	-850.0	570.0	7799.4
-950.0	280.0	7738.3	-900.0	430.0	7850.1	-850.0	580.0	7799.5
-950.0	290.0	7736.5	-900.0	440.0	7878.5	-850.0	590.0	7805.2
-950.0	300.0	7729.2	-900.0	450.0	7887.7	-850.0	600.0	7805.1
-950.0	310.0	7738.3	-900.0	460.0	7842.0	-850.0	610.0	7835.3
-950.0	320.0	7751.2	-900.0	470.0	7832.5	-850.0	620.0	7792.0
-950.0	330.0	7752.5	-900.0	480.0	7821.8	-800.0	0.0	7740.3
-950.0	340.0	7773.7	-900.0	490.0	7838.4	-800.0	10.0	7754.3
-950.0	350.0	7768.0	-900.0	500.0	7845.7	-800.0	20.0	7773.0
-950.0	360.0	7777.0	-900.0	510.0	7815.0	-800.0	30.0	7819.8
-950.0	370.0	7756.5	-900.0	520.0	7824.4	-800.0	40.0	7827.9
-950.0	380.0	7754.0	-900.0	530.0	7807.8	-800.0	50.0	7861.9
-950.0	390.0	7767.7	-900.0	540.0	7786.6	-800.0	60.0	7843.8
-950.0	400.0	7759.0	-900.0	550.0	7786.1	-800.0	70.0	7838.9
-950.0	410.0	7783.3	-900.0	560.0	7795.0	-800.0	80.0	7822.8
-950.0	420.0	7772.2	-900.0	570.0	7751.9	-800.0	90.0	7758.3
-950.0	430.0	7756.2	-900.0	580.0	7798.9	-800.0	100.0	7703.4
-950.0	440.0	7765.9	-900.0	590.0	7795.4	-800.0	110.0	7720.5
-950.0	450.0	7770.7	-900.0	600.0	7786.1	-800.0	120.0	7701.2
-950.0	460.0	7778.4	-850.0	0.0	7779.8	-800.0	130.0	7789.3
-950.0	470.0	7799.9	-850.0	10.0	7769.0	-800.0	140.0	8005.3
-950.0	480.0	7823.8	-850.0	20.0	7774.8	-800.0	150.0	7993.1
-950.0	490.0	7812.0	-850.0	30.0	7757.7	-800.0	160.0	7943.4
-950.0	500.0	7758.3	-850.0	40.0	7860.7	-800.0	170.0	8009.1
-950.0	510.0	7780.1	-850.0	50.0	7887.8	-800.0	180.0	7842.7
-950.0	520.0	7776.4	-850.0	60.0	7895.4	-800.0	190.0	7785.5
-950.0	530.0	7788.5	-850.0	70.0	7921.7	-800.0	200.0	7776.1
-950.0	540.0	7768.9	-850.0	80.0	7964.6	-800.0	210.0	7756.2
-950.0	550.0	7828.4	-850.0	90.0	7840.2	-800.0	220.0	7762.8
-950.0	560.0	7821.8	-850.0	100.0	7769.5	-800.0	230.0	7882.8
-950.0	570.0	7851.5	-850.0	110.0	7727.6	-800.0	240.0	7831.1
-950.0	580.0	7793.1	-850.0	120.0	7727.3	-800.0	250.0	7784.9
-950.0	590.0	7826.0	-850.0	130.0	7741.5	-800.0	260.0	7802.4
-950.0	600.0	7797.5	-850.0	140.0	7677.1	-800.0	270.0	7798.3
-900.0	0.0	7760.9	-850.0	150.0	7782.6	-800.0	280.0	7814.6
-900.0	10.0	7705.2	-850.0	160.0	7849.4	-800.0	290.0	7668.8
-900.0	20.0	7691.2	-850.0	170.0	7760.2	-800.0	300.0	7606.1
-900.0	30.0	7657.8	-850.0	180.0	7725.4	-800.0	310.0	7746.5
-900.0	40.0	7665.9	-850.0	190.0	7802.7	-800.0	320.0	7807.1
-900.0	50.0	7657.3	-850.0	200.0	7752.9	-800.0	330.0	7815.8
-900.0	60.0	7748.1	-850.0	210.0	7731.4	-800.0	340.0	7826.7
-900.0	70.0	7729.3	-850.0	220.0	7746.3	-800.0	350.0	7818.9
-900.0	80.0	7712.7	-850.0	230.0	7820.9	-800.0	360.0	7826.5
-900.0	90.0	7765.4	-850.0	240.0	7789.9	-800.0	370.0	7867.7
-900.0	100.0	7898.1	-850.0	250.0	7817.2	-800.0	380.0	7863.0
-900.0	110.0	7857.1	-850.0	260.0	7818.6	-800.0	390.0	7831.3
-900.0	120.0	7823.9	-850.0	270.0	7809.1	-800.0	400.0	7837.5
-900.0	130.0	7824.6	-850.0	280.0	7899.6	-800.0	410.0	7809.4
-900.0	140.0	7828.0	-850.0	290.0	7834.0	-800.0	420.0	7803.3
-900.0	150.0	7748.0	-850.0	300.0	7840.6	-800.0	430.0	7800.2
-900.0	160.0	7751.4	-850.0	310.0	7844.7	-800.0	440.0	7854.4
-900.0	170.0	7779.5	-850.0	320.0	7834.2	-800.0	450.0	7846.4
-900.0	180.0	7833.2	-850.0	330.0	7810.8	-800.0	460.0	7826.6
-900.0	190.0	7785.6	-850.0	340.0	7796.3	-800.0	470.0	7827.2
-900.0	200.0	7793.4	-850.0	350.0	7781.5	-800.0	480.0	7848.2
-900.0	210.0	7791.5	-850.0	360.0	7777.2	-800.0	490.0	7860.2
-900.0	220.0	7832.5	-850.0	370.0	7836.0	-800.0	500.0	7871.3
-900.0	230.0	7816.1	-850.0	380.0	7779.4	-800.0	510.0	7868.4
-900.0	240.0	7768.1	-850.0	390.0	7783.6	-800.0	520.0	7846.5
-900.0	250.0	7805.3	-850.0	400.0	7782.8	-800.0	530.0	7822.6
-900.0	260.0	7767.6	-850.0	410.0	7835.4	-800.0	540.0	7838.4
-900.0	270.0	7793.0	-850.0	420.0	7854.9	-800.0	550.0	7834.5
-900.0	280.0	7792.8	-850.0	430.0	7833.6	-800.0	560.0	7797.3

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-800.0	570.0	7720.0	-700.0	110.0	7713.0	-650.0	260.0	7731.8
-800.0	580.0	7660.8	-700.0	120.0	7753.8	-650.0	270.0	7777.8
-800.0	590.0	7592.1	-700.0	130.0	7681.0	-650.0	280.0	7755.0
-800.0	600.0	7574.5	-700.0	140.0	7644.1	-650.0	290.0	7755.7
-750.0	0.0	7848.6	-700.0	150.0	7723.4	-650.0	300.0	7759.4
-750.0	10.0	7868.0	-700.0	160.0	7652.1	-650.0	310.0	7743.4
-750.0	20.0	7862.1	-700.0	170.0	7690.1	-650.0	320.0	7687.4
-750.0	30.0	7888.4	-700.0	180.0	7697.8	-650.0	330.0	7615.5
-750.0	40.0	7805.8	-700.0	190.0	7703.3	-650.0	340.0	7669.3
-750.0	50.0	7797.2	-700.0	200.0	7685.1	-650.0	350.0	7659.6
-750.0	60.0	7814.0	-700.0	210.0	7679.6	-650.0	360.0	7697.1
-750.0	70.0	7819.1	-700.0	220.0	7656.7	-650.0	370.0	7702.8
-750.0	80.0	7768.2	-700.0	230.0	7682.4	-650.0	380.0	7658.7
-750.0	90.0	7740.3	-700.0	240.0	7673.1	-650.0	390.0	7723.8
-750.0	100.0	7737.0	-700.0	250.0	7679.2	-650.0	400.0	7691.5
-750.0	110.0	7871.6	-700.0	260.0	7688.9	-650.0	410.0	7722.8
-750.0	120.0	7810.0	-700.0	270.0	7672.8	-650.0	420.0	7744.0
-750.0	130.0	7761.2	-700.0	280.0	7658.3	-650.0	430.0	7765.3
-750.0	140.0	7812.6	-700.0	290.0	7635.6	-650.0	440.0	7778.0
-750.0	150.0	7828.2	-700.0	300.0	7657.6	-650.0	450.0	7714.8
-750.0	160.0	7864.7	-700.0	310.0	7701.4	-650.0	460.0	7680.1
-750.0	170.0	7877.2	-700.0	320.0	7966.8	-650.0	470.0	7738.9
-750.0	180.0	7932.7	-700.0	330.0	7941.1	-650.0	480.0	7744.2
-750.0	190.0	7955.3	-700.0	340.0	7930.9	-650.0	490.0	7743.7
-750.0	200.0	7782.1	-700.0	350.0	7932.2	-650.0	500.0	7751.5
-750.0	210.0	7734.9	-700.0	360.0	7906.0	-650.0	510.0	7797.6
-750.0	220.0	7725.4	-700.0	370.0	7896.8	-650.0	520.0	7762.5
-750.0	230.0	7924.6	-700.0	380.0	7895.9	-650.0	530.0	7841.3
-750.0	240.0	7879.2	-700.0	390.0	7892.6	-650.0	540.0	7708.4
-750.0	250.0	7833.0	-700.0	400.0	7857.2	-650.0	550.0	7757.6
-750.0	260.0	7666.4	-700.0	410.0	7880.1	-650.0	560.0	7689.2
-750.0	270.0	7655.1	-700.0	420.0	7889.1	-650.0	570.0	7655.4
-750.0	280.0	7664.5	-700.0	430.0	7868.7	-650.0	580.0	7650.8
-750.0	290.0	7662.2	-700.0	440.0	7871.7	-650.0	590.0	7677.6
-750.0	300.0	7616.2	-700.0	450.0	7842.0	-650.0	600.0	7722.2
-750.0	310.0	7510.0	-700.0	460.0	7856.4	-600.0	0.0	7812.5
-750.0	320.0	7732.5	-700.0	470.0	7761.2	-600.0	10.0	7774.8
-750.0	330.0	7886.1	-700.0	480.0	7790.9	-600.0	20.0	7772.7
-750.0	340.0	7854.4	-700.0	490.0	7727.5	-600.0	30.0	7750.4
-750.0	350.0	7846.0	-700.0	500.0	7730.4	-600.0	40.0	7744.7
-750.0	360.0	7851.8	-700.0	510.0	7645.8	-600.0	50.0	7699.9
-750.0	370.0	7856.2	-700.0	520.0	7734.8	-600.0	60.0	7714.1
-750.0	380.0	7851.5	-700.0	530.0	7683.7	-600.0	70.0	7699.4
-750.0	390.0	7806.8	-700.0	540.0	7790.1	-600.0	80.0	7712.3
-750.0	400.0	7838.8	-700.0	550.0	7831.1	-600.0	90.0	7720.9
-750.0	410.0	7850.0	-700.0	560.0	7765.7	-600.0	100.0	7734.1
-750.0	420.0	7854.7	-700.0	570.0	7837.8	-600.0	110.0	7726.9
-750.0	430.0	7862.8	-700.0	580.0	7858.9	-600.0	120.0	7724.2
-750.0	440.0	7841.3	-700.0	590.0	7841.2	-600.0	130.0	7779.3
-750.0	450.0	7861.4	-700.0	600.0	7848.1	-600.0	140.0	7786.8
-750.0	460.0	7872.9	-650.0	0.0	7932.8	-600.0	150.0	7748.2
-750.0	470.0	7810.6	-650.0	10.0	7804.2	-600.0	160.0	7749.8
-750.0	480.0	7765.5	-650.0	20.0	7698.3	-600.0	170.0	7714.3
-750.0	490.0	7829.4	-650.0	30.0	7733.8	-600.0	180.0	7706.0
-750.0	500.0	7828.5	-650.0	40.0	7726.4	-600.0	190.0	7721.5
-750.0	510.0	7858.1	-650.0	50.0	7706.3	-600.0	200.0	7708.1
-750.0	520.0	7825.7	-650.0	60.0	7703.7	-600.0	210.0	7718.6
-750.0	530.0	7751.1	-650.0	70.0	7744.4	-600.0	220.0	7709.8
-750.0	540.0	7717.4	-650.0	80.0	7738.8	-600.0	230.0	7681.3
-750.0	550.0	7634.6	-650.0	90.0	7707.5	-600.0	240.0	7685.9
-750.0	560.0	7609.8	-650.0	100.0	7678.9	-600.0	250.0	7660.3
-750.0	570.0	7638.4	-650.0	110.0	7691.7	-600.0	260.0	7652.7
-750.0	580.0	7696.2	-650.0	120.0	7754.5	-600.0	270.0	7664.0
-750.0	590.0	7770.5	-650.0	130.0	7754.5	-600.0	280.0	7709.1
-750.0	600.0	7835.0	-650.0	140.0	7746.0	-600.0	290.0	7702.1
-700.0	0.0	7827.0	-650.0	150.0	7785.8	-600.0	300.0	7716.5
-700.0	10.0	7774.9	-650.0	160.0	7795.9	-600.0	310.0	7720.1
-700.0	20.0	7785.4	-650.0	170.0	7803.5	-600.0	320.0	7724.5
-700.0	30.0	7820.4	-650.0	180.0	7800.5	-600.0	330.0	7708.7
-700.0	40.0	7843.0	-650.0	190.0	7781.8	-600.0	340.0	7743.2
-700.0	50.0	7769.2	-650.0	200.0	7778.0	-600.0	350.0	7728.5
-700.0	60.0	7762.9	-650.0	210.0	7770.1	-600.0	360.0	7736.8
-700.0	70.0	7740.4	-650.0	220.0	7722.7	-600.0	370.0	7720.5
-700.0	80.0	7727.6	-650.0	230.0	7766.0	-600.0	380.0	7712.3
-700.0	90.0	7700.1	-650.0	240.0	7738.7	-600.0	390.0	7709.5
-700.0	100.0	7667.5	-650.0	250.0	7740.2	-600.0	400.0	7666.3

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-600.0	410.0	7680.6	-550.0	560.0	7689.6	-450.0	100.0	7869.5
-600.0	420.0	7685.4	-550.0	570.0	7697.1	-450.0	110.0	7854.6
-600.0	430.0	7656.6	-550.0	580.0	7691.5	-450.0	120.0	7766.9
-600.0	440.0	7658.1	-550.0	590.0	7695.7	-450.0	130.0	7848.1
-600.0	450.0	7659.9	-550.0	600.0	7705.5	-450.0	140.0	7817.2
-600.0	460.0	7664.2	-500.0	0.0	7726.3	-450.0	150.0	7808.6
-600.0	470.0	7666.6	-500.0	10.0	7706.8	-450.0	160.0	7814.3
-600.0	480.0	7675.0	-500.0	20.0	7686.3	-450.0	170.0	7784.3
-600.0	490.0	7687.4	-500.0	30.0	7686.0	-450.0	180.0	7818.8
-600.0	500.0	7700.4	-500.0	40.0	7696.6	-450.0	190.0	7727.2
-600.0	510.0	7701.7	-500.0	50.0	7671.1	-450.0	200.0	7654.0
-600.0	520.0	7694.6	-500.0	60.0	7703.0	-450.0	210.0	7694.1
-600.0	530.0	7716.1	-500.0	70.0	7716.2	-450.0	220.0	7730.3
-600.0	540.0	7703.8	-500.0	80.0	7729.8	-450.0	230.0	7702.1
-600.0	550.0	7694.0	-500.0	90.0	7726.0	-450.0	240.0	7717.7
-600.0	560.0	7722.0	-500.0	100.0	7721.1	-450.0	250.0	7717.3
-600.0	570.0	7705.3	-500.0	110.0	7809.5	-450.0	260.0	7718.7
-600.0	580.0	7728.4	-500.0	120.0	7822.9	-450.0	270.0	7744.0
-600.0	590.0	7731.2	-500.0	130.0	7783.9	-450.0	280.0	7781.7
-600.0	600.0	7739.2	-500.0	140.0	7804.3	-450.0	290.0	7724.6
-550.0	0.0	7694.0	-500.0	150.0	7790.4	-450.0	300.0	7701.4
-550.0	10.0	7703.3	-500.0	160.0	7786.6	-450.0	310.0	7681.2
-550.0	20.0	7688.3	-500.0	170.0	7770.7	-450.0	320.0	7695.0
-550.0	30.0	7649.1	-500.0	180.0	7769.5	-450.0	330.0	7697.3
-550.0	40.0	7700.7	-500.0	190.0	7778.7	-450.0	340.0	7705.6
-550.0	50.0	7726.0	-500.0	200.0	7791.7	-450.0	350.0	7709.3
-550.0	60.0	7702.6	-500.0	210.0	7798.5	-450.0	360.0	7689.8
-550.0	70.0	7664.6	-500.0	220.0	7789.9	-450.0	370.0	7708.2
-550.0	80.0	7700.5	-500.0	230.0	7802.0	-450.0	380.0	7698.5
-550.0	90.0	7708.8	-500.0	240.0	7813.5	-450.0	390.0	7671.5
-550.0	100.0	7755.0	-500.0	250.0	7806.3	-450.0	400.0	7652.8
-550.0	110.0	7762.1	-500.0	260.0	7802.4	-450.0	410.0	7633.4
-550.0	120.0	7847.2	-500.0	270.0	7779.0	-450.0	420.0	7629.4
-550.0	130.0	7841.1	-500.0	280.0	7760.6	-450.0	430.0	7628.7
-550.0	140.0	7765.9	-500.0	290.0	7737.1	-450.0	440.0	7653.7
-550.0	150.0	7749.4	-500.0	300.0	7730.0	-450.0	450.0	7693.0
-550.0	160.0	7807.2	-500.0	310.0	7744.0	-450.0	460.0	7741.7
-550.0	170.0	7802.3	-500.0	320.0	7729.4	-450.0	470.0	7703.6
-550.0	180.0	7775.3	-500.0	330.0	7716.1	-450.0	480.0	7735.6
-550.0	190.0	7768.4	-500.0	340.0	7728.9	-450.0	490.0	7692.2
-550.0	200.0	7752.3	-500.0	350.0	7725.8	-450.0	500.0	7715.5
-550.0	210.0	7762.4	-500.0	360.0	7726.5	-450.0	510.0	7692.9
-550.0	220.0	7739.1	-500.0	370.0	7713.6	-450.0	520.0	7664.2
-550.0	230.0	7746.4	-500.0	380.0	7742.7	-450.0	530.0	7654.7
-550.0	240.0	7750.3	-500.0	390.0	7733.8	-450.0	540.0	7658.7
-550.0	250.0	7760.9	-500.0	400.0	7720.5	-450.0	550.0	7673.2
-550.0	260.0	7752.6	-500.0	410.0	7724.5	-450.0	560.0	7790.7
-550.0	270.0	7739.4	-500.0	420.0	7734.3	-450.0	570.0	7777.5
-550.0	280.0	7765.1	-500.0	430.0	7751.9	-450.0	580.0	7710.6
-550.0	290.0	7764.0	-500.0	440.0	7759.0	-450.0	590.0	7759.2
-550.0	300.0	7772.2	-500.0	450.0	7736.1	-450.0	600.0	7828.4
-550.0	310.0	7780.8	-500.0	460.0	7739.3	-400.0	0.0	7739.4
-550.0	320.0	7763.9	-500.0	470.0	7728.4	-400.0	10.0	7735.6
-550.0	330.0	7810.5	-500.0	480.0	7722.6	-400.0	20.0	7737.2
-550.0	340.0	7739.4	-500.0	490.0	7719.0	-400.0	30.0	7685.4
-550.0	350.0	7738.5	-500.0	500.0	7720.6	-400.0	40.0	7677.4
-550.0	360.0	7721.2	-500.0	510.0	7726.4	-400.0	50.0	7728.7
-550.0	370.0	7710.6	-500.0	520.0	7707.6	-400.0	60.0	7756.2
-550.0	380.0	7726.9	-500.0	530.0	7717.1	-400.0	70.0	7850.2
-550.0	390.0	7713.8	-500.0	540.0	7719.9	-400.0	80.0	7899.4
-550.0	400.0	7691.1	-500.0	550.0	7711.9	-400.0	90.0	7857.7
-550.0	410.0	7707.3	-500.0	560.0	7735.7	-400.0	100.0	7806.6
-550.0	420.0	7723.8	-500.0	570.0	7722.3	-400.0	110.0	7803.6
-550.0	430.0	7698.1	-500.0	580.0	7693.8	-400.0	120.0	7814.0
-550.0	440.0	7724.7	-500.0	590.0	7661.6	-400.0	130.0	7819.2
-550.0	450.0	7735.7	-500.0	600.0	7679.3	-400.0	140.0	7823.3
-550.0	460.0	7737.8	-450.0	0.0	7702.5	-400.0	150.0	7836.4
-550.0	470.0	7724.7	-450.0	10.0	7704.1	-400.0	160.0	7830.1
-550.0	480.0	7718.1	-450.0	20.0	7744.1	-400.0	170.0	7844.6
-550.0	490.0	7721.8	-450.0	30.0	7773.4	-400.0	180.0	7848.6
-550.0	500.0	7743.4	-450.0	40.0	7773.3	-400.0	190.0	7835.0
-550.0	510.0	7727.1	-450.0	50.0	7743.7	-400.0	200.0	7851.2
-550.0	520.0	7729.1	-450.0	60.0	7718.7	-400.0	210.0	7873.8
-550.0	530.0	7713.5	-450.0	70.0	7700.9	-400.0	220.0	7758.4
-550.0	540.0	7692.0	-450.0	80.0	7745.9	-400.0	230.0	7680.5
-550.0	550.0	7692.7	-450.0	90.0	7793.8	-400.0	240.0	7721.3

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-400.0	260.0	7720.2	-350.0	410.0	7772.4	-300.0	560.0	7797.2
-400.0	270.0	7725.6	-350.0	420.0	7760.7	-300.0	570.0	7815.8
-400.0	280.0	7724.6	-350.0	430.0	7791.8	-300.0	580.0	7819.7
-400.0	290.0	7689.1	-350.0	440.0	7893.9	-300.0	590.0	7801.4
-400.0	300.0	7673.8	-350.0	450.0	7879.2	-300.0	600.0	7800.7
-400.0	310.0	7659.8	-350.0	460.0	7854.7	-250.0	0.0	7731.6
-400.0	320.0	7641.3	-350.0	470.0	7856.3	-250.0	10.0	7762.0
-400.0	330.0	7637.9	-350.0	480.0	7856.5	-250.0	20.0	7731.0
-400.0	340.0	7616.8	-350.0	490.0	7867.5	-250.0	30.0	7704.0
-400.0	350.0	7605.2	-350.0	500.0	7870.5	-250.0	40.0	7682.3
-400.0	360.0	7610.1	-350.0	510.0	7835.7	-250.0	50.0	7705.0
-400.0	370.0	7589.5	-350.0	520.0	7836.2	-250.0	60.0	7762.8
-400.0	380.0	7598.3	-350.0	530.0	7840.4	-250.0	70.0	7694.5
-400.0	390.0	7627.8	-350.0	540.0	7876.8	-250.0	80.0	7672.0
-400.0	400.0	7735.2	-350.0	550.0	7822.4	-250.0	90.0	7683.6
-400.0	410.0	7865.4	-350.0	560.0	7804.4	-250.0	100.0	7691.6
-400.0	420.0	7983.3	-350.0	570.0	7824.4	-250.0	110.0	7732.4
-400.0	430.0	8028.5	-350.0	580.0	7790.1	-250.0	120.0	7724.2
-400.0	440.0	7880.6	-350.0	590.0	7756.1	-250.0	130.0	7769.4
-400.0	450.0	7866.3	-350.0	600.0	7764.5	-250.0	140.0	7712.8
-400.0	460.0	7804.6	-300.0	0.0	7760.2	-250.0	150.0	7627.6
-400.0	470.0	7859.0	-300.0	10.0	7754.5	-250.0	160.0	7677.6
-400.0	480.0	7844.3	-300.0	20.0	7754.0	-250.0	170.0	7684.5
-400.0	490.0	7853.5	-300.0	30.0	7791.7	-250.0	180.0	7696.9
-400.0	500.0	7905.3	-300.0	40.0	7721.8	-250.0	190.0	7703.7
-400.0	510.0	7905.6	-300.0	50.0	7744.0	-250.0	200.0	7801.3
-400.0	520.0	7916.9	-300.0	60.0	7895.5	-250.0	210.0	7828.2
-400.0	530.0	7951.6	-300.0	70.0	7937.1	-250.0	220.0	7863.7
-400.0	540.0	7920.4	-300.0	80.0	7899.1	-250.0	230.0	7943.4
-400.0	550.0	7925.3	-300.0	90.0	7836.3	-250.0	240.0	7878.4
-400.0	560.0	7884.8	-300.0	100.0	7790.3	-250.0	250.0	7871.7
-400.0	570.0	7918.3	-300.0	110.0	7791.8	-250.0	260.0	7909.2
-400.0	580.0	7905.5	-300.0	120.0	7814.1	-250.0	270.0	7895.4
-400.0	590.0	7892.1	-300.0	130.0	7774.2	-250.0	280.0	7953.7
-400.0	600.0	7846.4	-300.0	140.0	7751.2	-250.0	290.0	7878.0
-350.0	0.0	7745.5	-300.0	150.0	7733.4	-250.0	300.0	7921.3
-350.0	10.0	7729.7	-300.0	160.0	7981.0	-250.0	310.0	7937.6
-350.0	20.0	7740.7	-300.0	170.0	7958.0	-250.0	320.0	7840.4
-350.0	30.0	7733.6	-300.0	180.0	7819.6	-250.0	330.0	7797.6
-350.0	40.0	7812.5	-300.0	190.0	7809.9	-250.0	340.0	7775.2
-350.0	50.0	7770.8	-300.0	200.0	7870.3	-250.0	350.0	7844.4
-350.0	60.0	7712.3	-300.0	210.0	7760.1	-250.0	360.0	7772.5
-350.0	70.0	7746.6	-300.0	220.0	7917.7	-250.0	370.0	7889.7
-350.0	80.0	7888.4	-300.0	230.0	7486.0	-250.0	380.0	7683.8
-350.0	90.0	7989.4	-300.0	240.0	7625.6	-250.0	390.0	7744.3
-350.0	100.0	7867.8	-300.0	250.0	7742.9	-250.0	400.0	7649.7
-350.0	110.0	7877.0	-300.0	260.0	7714.2	-250.0	410.0	7793.2
-350.0	120.0	7833.2	-300.0	270.0	7645.1	-250.0	420.0	7958.7
-350.0	130.0	7830.0	-300.0	280.0	7704.8	-250.0	430.0	7803.9
-350.0	140.0	7998.6	-300.0	290.0	7641.4	-250.0	440.0	7798.1
-350.0	150.0	7950.0	-300.0	300.0	7663.6	-250.0	450.0	7815.9
-350.0	160.0	7851.6	-300.0	310.0	7756.7	-250.0	460.0	7827.7
-350.0	170.0	7826.1	-300.0	320.0	7843.5	-250.0	470.0	7806.3
-350.0	180.0	7810.5	-300.0	330.0	7738.1	-250.0	480.0	7796.1
-350.0	190.0	7840.4	-300.0	340.0	7896.6	-250.0	490.0	7801.5
-350.0	200.0	7856.4	-300.0	350.0	7910.2	-250.0	500.0	7821.7
-350.0	210.0	7891.0	-300.0	360.0	7903.0	-250.0	510.0	7787.7
-350.0	220.0	7911.8	-300.0	370.0	7930.8	-250.0	520.0	7785.1
-350.0	230.0	7728.8	-300.0	380.0	7846.7	-250.0	530.0	7792.7
-350.0	240.0	7744.9	-300.0	390.0	7789.3	-250.0	540.0	7813.0
-350.0	250.0	7685.6	-300.0	400.0	7790.1	-250.0	550.0	7839.3
-350.0	260.0	7638.4	-300.0	410.0	7728.9	-250.0	560.0	7830.3
-350.0	270.0	7747.4	-300.0	420.0	7802.1	-250.0	570.0	7830.8
-350.0	280.0	7891.2	-300.0	430.0	7868.9	-250.0	580.0	7817.5
-350.0	290.0	8075.6	-300.0	440.0	7832.9	-250.0	590.0	7779.2
-350.0	300.0	8124.3	-300.0	450.0	7776.8	-250.0	600.0	7661.1
-350.0	310.0	8069.5	-300.0	460.0	7807.2	-200.0	0.0	7745.7
-350.0	320.0	7994.1	-300.0	470.0	7815.6	-200.0	10.0	7924.2
-350.0	330.0	7919.7	-300.0	480.0	7834.0	-200.0	20.0	7968.5
-350.0	340.0	7845.0	-300.0	490.0	7821.7	-200.0	30.0	7898.6
-350.0	350.0	7938.9	-300.0	500.0	7799.3	-200.0	40.0	7889.3
-350.0	360.0	7984.1	-300.0	510.0	7806.5	-200.0	50.0	7900.6
-350.0	370.0	7946.6	-300.0	520.0	7827.8	-200.0	60.0	7909.1
-350.0	380.0	7880.6	-300.0	530.0	7811.4	-200.0	70.0	7835.3
-350.0	390.0	7808.6	-300.0	540.0	7813.3	-200.0	80.0	7756.5
-350.0	400.0	7798.9	-300.0	550.0	7782.4	-200.0	90.0	7825.3

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-200.0	100.0	7806.0	-150.0	250.0	7776.3	-100.0	410.0	7883.1
-200.0	110.0	7769.7	-150.0	260.0	7768.5	-100.0	420.0	7780.3
-200.0	120.0	7731.5	-150.0	270.0	7764.4	-100.0	430.0	7809.9
-200.0	130.0	7733.1	-150.0	280.0	7757.0	-100.0	440.0	7808.2
-200.0	140.0	7725.5	-150.0	290.0	7786.6	-100.0	450.0	7848.0
-200.0	150.0	7720.5	-150.0	300.0	7798.0	-100.0	460.0	7793.0
-200.0	160.0	7742.8	-150.0	310.0	7773.6	-100.0	470.0	7723.6
-200.0	170.0	7765.7	-150.0	320.0	7758.2	-100.0	480.0	7715.8
-200.0	180.0	7745.4	-150.0	330.0	7771.0	-100.0	490.0	7759.2
-200.0	190.0	7780.1	-150.0	340.0	7789.9	-100.0	500.0	7708.1
-200.0	200.0	7784.0	-150.0	350.0	7736.2	-100.0	510.0	7633.8
-200.0	210.0	7720.7	-150.0	360.0	7694.6	-100.0	520.0	7590.5
-200.0	220.0	7771.9	-150.0	370.0	7693.8	-100.0	530.0	7638.8
-200.0	230.0	7846.4	-150.0	380.0	7690.9	-100.0	540.0	7713.1
-200.0	240.0	7858.0	-150.0	390.0	7783.8	-100.0	550.0	7693.4
-200.0	250.0	7752.6	-150.0	400.0	7760.2	-100.0	560.0	7668.9
-200.0	260.0	7762.5	-150.0	410.0	7819.9	-100.0	570.0	7689.3
-200.0	270.0	7747.9	-150.0	420.0	7848.2	-100.0	580.0	7721.0
-200.0	280.0	7752.3	-150.0	430.0	7806.5	-100.0	590.0	7744.9
-200.0	290.0	7761.2	-150.0	440.0	7844.7	-100.0	600.0	7724.8
-200.0	300.0	7764.3	-150.0	450.0	7820.3	-50.0	0.0	7931.3
-200.0	310.0	7738.4	-150.0	460.0	7828.7	-50.0	10.0	7752.1
-200.0	320.0	7752.7	-150.0	470.0	7846.7	-50.0	20.0	7802.1
-200.0	330.0	7736.3	-150.0	480.0	7809.1	-50.0	30.0	7820.8
-200.0	340.0	7693.8	-150.0	490.0	7860.5	-50.0	40.0	7783.4
-200.0	350.0	7673.3	-150.0	500.0	8135.6	-50.0	50.0	7737.2
-200.0	360.0	7662.9	-150.0	510.0	7823.4	-50.0	60.0	7680.6
-200.0	370.0	7684.1	-150.0	520.0	7578.7	-50.0	70.0	7769.7
-200.0	380.0	7665.2	-150.0	540.0	7645.3	-50.0	80.0	7718.5
-200.0	390.0	7654.3	-150.0	550.0	7717.3	-50.0	90.0	7684.9
-200.0	400.0	7706.3	-150.0	560.0	7717.7	-50.0	100.0	7720.0
-200.0	410.0	7702.4	-150.0	570.0	7718.9	-50.0	110.0	7715.7
-200.0	420.0	7649.2	-150.0	580.0	7701.8	-50.0	120.0	7716.0
-200.0	430.0	7728.2	-150.0	590.0	7662.9	-50.0	130.0	7752.6
-200.0	440.0	7771.5	-150.0	600.0	7731.6	-50.0	140.0	7789.1
-200.0	450.0	7862.3	-100.0	0.0	7884.7	-50.0	150.0	7826.2
-200.0	460.0	7917.4	-100.0	10.0	7851.5	-50.0	160.0	7808.0
-200.0	470.0	7903.9	-100.0	20.0	7839.0	-50.0	170.0	7729.4
-200.0	480.0	7875.8	-100.0	30.0	7809.9	-50.0	180.0	7662.9
-200.0	490.0	7763.2	-100.0	40.0	7790.0	-50.0	190.0	7735.1
-200.0	500.0	7835.1	-100.0	50.0	7821.6	-50.0	200.0	7800.2
-200.0	510.0	7799.1	-100.0	60.0	7813.0	-50.0	210.0	7795.5
-200.0	520.0	7780.1	-100.0	70.0	7790.1	-50.0	220.0	7799.8
-200.0	530.0	7749.1	-100.0	80.0	7777.9	-50.0	230.0	7747.3
-200.0	540.0	7669.7	-100.0	90.0	7759.8	-50.0	240.0	7685.9
-200.0	550.0	7666.9	-100.0	100.0	7748.0	-50.0	250.0	7710.6
-200.0	560.0	7625.9	-100.0	110.0	7742.8	-50.0	260.0	7736.3
-200.0	570.0	7644.0	-100.0	120.0	7757.2	-50.0	270.0	7781.4
-200.0	580.0	7762.1	-100.0	130.0	7688.8	-50.0	280.0	7777.4
-200.0	590.0	7798.1	-100.0	140.0	7763.7	-50.0	290.0	7792.4
-200.0	600.0	7723.9	-100.0	150.0	7758.6	-50.0	300.0	7787.1
-150.0	0.0	8032.8	-100.0	160.0	7724.8	-50.0	310.0	7773.4
-150.0	10.0	7942.5	-100.0	170.0	7726.8	-50.0	320.0	7743.0
-150.0	20.0	7892.0	-100.0	180.0	7734.1	-50.0	330.0	7730.5
-150.0	30.0	7859.8	-100.0	190.0	7752.5	-50.0	340.0	7697.5
-150.0	40.0	7862.4	-100.0	200.0	7795.4	-50.0	350.0	7729.1
-150.0	50.0	7776.5	-100.0	210.0	7794.8	-50.0	360.0	7728.1
-150.0	60.0	7784.6	-100.0	220.0	7785.6	-50.0	370.0	7777.6
-150.0	70.0	7794.7	-100.0	230.0	7711.6	-50.0	380.0	7702.6
-150.0	80.0	7791.0	-100.0	240.0	7715.9	-50.0	390.0	7807.3
-150.0	90.0	7770.1	-100.0	250.0	7758.8	-50.0	400.0	7754.3
-150.0	100.0	7781.2	-100.0	260.0	7743.0	-50.0	410.0	7662.1
-150.0	110.0	7729.2	-100.0	270.0	7747.1	-50.0	420.0	7780.6
-150.0	120.0	7697.6	-100.0	280.0	7744.4	-50.0	430.0	7737.4
-150.0	130.0	7705.9	-100.0	290.0	7753.5	-50.0	440.0	7670.9
-150.0	140.0	7717.8	-100.0	300.0	7768.3	-50.0	450.0	7660.9
-150.0	150.0	7749.3	-100.0	310.0	7795.9	-50.0	460.0	7702.3
-150.0	160.0	7774.8	-100.0	320.0	7734.9	-50.0	470.0	7679.5
-150.0	170.0	7765.8	-100.0	330.0	7753.5	-50.0	480.0	7740.5
-150.0	180.0	7810.6	-100.0	340.0	7795.7	-50.0	490.0	7759.1
-150.0	190.0	7749.6	-100.0	350.0	7835.5	-50.0	500.0	7769.1
-150.0	200.0	7712.6	-100.0	360.0	7784.6	-50.0	510.0	7738.9
-150.0	210.0	7732.3	-100.0	370.0	7830.3	-50.0	520.0	7765.9
-150.0	220.0	7728.7	-100.0	380.0	7726.0	-50.0	530.0	7804.8
-150.0	230.0	7751.1	-100.0	390.0	7775.8	-50.0	540.0	7774.6
-150.0	240.0	7803.3	-100.0	400.0	7875.3	-50.0	550.0	7756.3

X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.	X(East)	Y(North)	Tot F.
-50.0	560.0	7708.8	0.0	170.0	7762.0	0.0	390.0	7723.6
-50.0	570.0	7742.6	0.0	180.0	7761.5	0.0	400.0	7779.3
-50.0	580.0	7788.4	0.0	190.0	7713.2	0.0	410.0	7838.0
-50.0	590.0	7777.9	0.0	200.0	7730.8	0.0	420.0	7801.3
-50.0	600.0	7810.3	0.0	210.0	7838.4	0.0	430.0	7747.3
0.0	0.0	7754.0	0.0	220.0	7905.7	0.0	440.0	7761.5
0.0	10.0	7779.4	0.0	230.0	7841.7	0.0	450.0	7774.6
0.0	20.0	7787.8	0.0	240.0	7776.5	0.0	460.0	7778.4
0.0	30.0	7767.5	0.0	250.0	7756.9	0.0	470.0	7785.6
0.0	40.0	7726.7	0.0	260.0	7821.6	0.0	480.0	7810.8
0.0	50.0	7729.3	0.0	270.0	7828.3	0.0	490.0	7837.8
0.0	60.0	7825.4	0.0	280.0	7757.2	0.0	500.0	7832.4
0.0	70.0	7795.9	0.0	290.0	7663.4	0.0	510.0	7802.3
0.0	80.0	7850.1	0.0	300.0	7744.0	0.0	520.0	7753.4
0.0	90.0	7747.7	0.0	310.0	7711.7	0.0	530.0	7740.5
0.0	100.0	7810.8	0.0	320.0	7736.9	0.0	540.0	7746.7
0.0	110.0	7762.5	0.0	330.0	7818.9	0.0	550.0	7789.3
0.0	120.0	7764.2	0.0	340.0	7816.2	0.0	560.0	7754.9
0.0	130.0	7742.3	0.0	350.0	7825.0	0.0	570.0	7775.9
0.0	140.0	7643.7	0.0	360.0	7794.7	0.0	580.0	7829.2
0.0	150.0	7679.8	0.0	370.0	7757.7	0.0	590.0	7860.8
0.0	160.0	7778.5	0.0	380.0	7728.3	0.0	600.0	7818.2

VLF-EM DATA

In Phase, Quadrature

Station: NPM (Lualualei, Hawaii) 23.4 kHz

Equipment: Scintrex VLF-4 (IGS)

Lines: 0 to 30+00W

June, 1987

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-3000.0	0.0	-17	-6	-2950.0	140.0	-9	3	-2900.0	290.0	-17	4
-3000.0	0.0	-17	-6	-2950.0	150.0	-1	4	-2900.0	300.0	-21	2
-3000.0	10.0	-19	-9	-2950.0	160.0	-3	4	-2900.0	310.0	-19	1
-3000.0	20.0	-17	-10	-2950.0	170.0	-15	5	-2900.0	320.0	-15	2
-3000.0	30.0	-13	-8	-2950.0	180.0	-22	9	-2900.0	330.0	-14	3
-3000.0	40.0	-14	-8	-2950.0	190.0	-36	13	-2900.0	340.0	-7	3
-3000.0	50.0	-13	-8	-2950.0	200.0	-34	14	-2900.0	350.0	-8	4
-3000.0	60.0	-7	-6	-2950.0	210.0	-33	16	-2900.0	360.0	-3	7
-3000.0	70.0	-4	-4	-2950.0	220.0	-26	16	-2900.0	370.0	-8	5
-3000.0	80.0	-1	-6	-2950.0	230.0	-23	15	-2900.0	380.0	-5	6
-3000.0	90.0	-6	-3	-2950.0	240.0	-21	12	-2900.0	390.0	-11	4
-3000.0	100.0	-7	-2	-2950.0	250.0	-21	9	-2900.0	400.0	-13	3
-3000.0	110.0	-12	-1	-2950.0	260.0	-21	7	-2900.0	410.0	-12	5
-3000.0	120.0	-18	0	-2950.0	270.0	-21	8	-2900.0	420.0	-17	5
-3000.0	130.0	-17	3	-2950.0	280.0	-20	6	-2900.0	430.0	-11	4
-3000.0	140.0	-9	4	-2950.0	290.0	-20	4	-2900.0	440.0	-11	4
-3000.0	150.0	-6	5	-2950.0	300.0	-13	6	-2900.0	450.0	-12	3
-3000.0	160.0	-7	7	-2950.0	310.0	-15	6	-2900.0	460.0	-13	4
-3000.0	170.0	-18	10	-2950.0	320.0	-14	7	-2900.0	470.0	-8	3
-3000.0	180.0	-36	13	-2950.0	330.0	-12	6	-2900.0	480.0	-11	3
-3000.0	190.0	-38	18	-2950.0	340.0	-12	3	-2900.0	490.0	-11	3
-3000.0	200.0	-34	17	-2950.0	350.0	-11	5	-2900.0	500.0	-5	7
-3000.0	210.0	-34	17	-2950.0	360.0	-13	4	-2900.0	510.0	-4	6
-3000.0	220.0	-26	18	-2950.0	370.0	-16	4	-2900.0	520.0	-1	5
-3000.0	230.0	-27	12	-2950.0	380.0	-18	2	-2900.0	530.0	0	5
-3000.0	240.0	-21	13	-2950.0	390.0	-20	2	-2900.0	540.0	1	5
-3000.0	250.0	-24	9	-2950.0	400.0	-20	2	-2900.0	550.0	1	4
-3000.0	260.0	-22	10	-2950.0	410.0	-18	4	-2900.0	560.0	-2	2
-3000.0	270.0	-24	6	-2950.0	420.0	-17	3	-2900.0	570.0	0	2
-3000.0	280.0	-18	9	-2950.0	430.0	-19	1	-2900.0	580.0	-3	1
-3000.0	290.0	-18	6	-2950.0	440.0	-21	1	-2900.0	590.0	-3	0
-3000.0	300.0	-13	6	-2950.0	450.0	-23	0	-2900.0	600.0	-8	1
-3000.0	310.0	-12	8	-2950.0	460.0	-18	2	-2850.0	0.0	-18	-4
-3000.0	320.0	-12	7	-2950.0	470.0	-16	5	-2850.0	10.0	-28	-8
-3000.0	330.0	-14	5	-2950.0	480.0	-13	5	-2850.0	20.0	-28	-9
-3000.0	340.0	-8	5	-2950.0	490.0	-8	9	-2850.0	30.0	-14	-4
-3000.0	350.0	-11	5	-2950.0	500.0	-4	9	-2850.0	40.0	-7	-7
-3000.0	360.0	-12	4	-2950.0	510.0	-3	9	-2850.0	50.0	2	-5
-3000.0	370.0	-17	3	-2950.0	520.0	-2	6	-2850.0	60.0	14	-4
-3000.0	380.0	-18	4	-2950.0	530.0	2	7	-2850.0	70.0	21	-6
-3000.0	390.0	-20	4	-2950.0	540.0	2	6	-2850.0	80.0	10	-8
-3000.0	400.0	-16	4	-2950.0	550.0	-1	5	-2850.0	90.0	-3	-6
-3000.0	410.0	-18	4	-2950.0	560.0	-5	4	-2850.0	100.0	-6	-3
-3000.0	420.0	-17	5	-2950.0	570.0	-3	2	-2850.0	110.0	-1	0
-3000.0	430.0	-22	0	-2950.0	580.0	-4	1	-2850.0	120.0	-9	0
-3000.0	440.0	-26	0	-2950.0	590.0	-3	0	-2850.0	130.0	-15	3
-3000.0	450.0	-26	-5	-2950.0	600.0	-4	-1	-2850.0	140.0	-30	5
-3000.0	460.0	-25	-2	-2900.0	0.0	1	-3	-2850.0	150.0	-46	11
-3000.0	470.0	-19	2	-2900.0	10.0	-1	-1	-2850.0	160.0	-49	14
-3000.0	480.0	-18	1	-2900.0	20.0	-7	-3	-2850.0	170.0	-55	16
-3000.0	490.0	-17	0	-2900.0	30.0	-16	-8	-2850.0	180.0	-44	18
-3000.0	500.0	-12	4	-2900.0	40.0	-9	-10	-2850.0	190.0	-36	19
-3000.0	510.0	-9	3	-2900.0	50.0	-4	-8	-2850.0	200.0	-29	18
-3000.0	520.0	-9	1	-2900.0	60.0	7	-6	-2850.0	210.0	-28	15
-3000.0	530.0	-7	1	-2900.0	70.0	11	-6	-2850.0	220.0	-25	13
-3000.0	540.0	-4	2	-2900.0	80.0	10	-5	-2850.0	230.0	-25	10
-3000.0	550.0	-1	2	-2900.0	90.0	-4	-4	-2850.0	240.0	-22	11
-3000.0	560.0	0	1	-2900.0	100.0	-9	-3	-2850.0	250.0	-22	7
-3000.0	570.0	-3	2	-2900.0	110.0	-8	-1	-2850.0	260.0	-23	6
-3000.0	580.0	-2	1	-2900.0	120.0	-6	3	-2850.0	270.0	-18	6
-3000.0	590.0	-6	0	-2900.0	130.0	-10	3	-2850.0	280.0	-15	6
-3000.0	600.0	-7	-1	-2900.0	140.0	-9	5	-2850.0	290.0	-14	3
-2950.0	0.0	-12	-1	-2900.0	150.0	-11	6	-2850.0	300.0	-12	6
-2950.0	10.0	-13	-1	-2900.0	160.0	-11	6	-2850.0	310.0	-16	4
-2950.0	20.0	-13	-3	-2900.0	170.0	-14	6	-2850.0	320.0	-11	6
-2950.0	30.0	-20	-4	-2900.0	180.0	-24	8	-2850.0	330.0	-9	6
-2950.0	40.0	-18	-9	-2900.0	190.0	-34	11	-2850.0	340.0	-14	4
-2950.0	50.0	-8	-9	-2900.0	200.0	-45	10	-2850.0	350.0	-8	5
-2950.0	60.0	0	-6	-2900.0	210.0	-43	12	-2850.0	360.0	-5	6
-2950.0	70.0	3	-5	-2900.0	220.0	-32	11	-2850.0	370.0	-4	6
-2950.0	80.0	3	-4	-2900.0	230.0	-29	12	-2850.0	380.0	-6	6
-2950.0	90.0	-1	-4	-2900.0	240.0	-27	12	-2850.0	390.0	-3	5
-2950.0	100.0	-7	-1	-2900.0	250.0	-25	8	-2850.0	400.0	-5	5
-2950.0	110.0	-16	0	-2900.0	260.0	-24	7	-2850.0	410.0	-12	1
-2950.0	120.0	-15	1	-2900.0	270.0	-19	6	-2850.0	420.0	-15	0
-2950.0	130.0	-14	2	-2900.0	280.0	-22	5	-2850.0	430.0	-13	1

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-2850.0	440.0	-11	2	-2800.0	590.0	-8	1	-2700.0	130.0	-28	17
-2850.0	450.0	-10	3	-2800.0	600.0	-9	0	-2700.0	140.0	-25	15
-2850.0	460.0	-4	5	-2750.0	0.0	-5	-10	-2700.0	150.0	-21	14
-2850.0	470.0	-6	5	-2750.0	10.0	-6	-13	-2700.0	160.0	-27	11
-2850.0	480.0	-5	6	-2750.0	20.0	1	-13	-2700.0	170.0	-24	11
-2850.0	490.0	-2	5	-2750.0	30.0	8	-12	-2700.0	180.0	-24	9
-2850.0	500.0	-5	6	-2750.0	40.0	16	-6	-2700.0	190.0	-22	10
-2850.0	510.0	-2	5	-2750.0	50.0	13	-8	-2700.0	200.0	-21	10
-2850.0	520.0	-3	3	-2750.0	60.0	-4	-5	-2700.0	210.0	-20	8
-2850.0	530.0	-8	1	-2750.0	70.0	-10	-3	-2700.0	220.0	-18	9
-2850.0	540.0	-6	1	-2750.0	80.0	-25	-3	-2700.0	230.0	-17	7
-2850.0	550.0	-4	1	-2750.0	90.0	-24	1	-2700.0	240.0	-17	7
-2850.0	560.0	-6	0	-2750.0	100.0	-20	7	-2700.0	250.0	-14	8
-2850.0	570.0	-5	0	-2750.0	110.0	-26	10	-2700.0	260.0	-15	6
-2850.0	580.0	-8	0	-2750.0	120.0	-32	16	-2700.0	270.0	-9	6
-2850.0	590.0	-7	0	-2750.0	130.0	-28	19	-2700.0	280.0	-7	6
-2850.0	600.0	-10	-2	-2750.0	140.0	-24	20	-2700.0	290.0	-8	5
-2800.0	0.0	-2	-3	-2750.0	150.0	-25	17	-2700.0	300.0	-7	5
-2800.0	10.0	-14	-7	-2750.0	160.0	-33	15	-2700.0	310.0	-10	4
-2800.0	20.0	-16	-10	-2750.0	170.0	-35	15	-2700.0	320.0	-6	4
-2800.0	30.0	-9	-12	-2750.0	180.0	-33	14	-2700.0	330.0	-5	4
-2800.0	40.0	2	-10	-2750.0	190.0	-27	12	-2700.0	340.0	-7	4
-2800.0	50.0	13	-8	-2750.0	200.0	-25	11	-2700.0	350.0	-5	4
-2800.0	60.0	14	-7	-2750.0	210.0	-21	12	-2700.0	360.0	-7	4
-2800.0	70.0	4	-9	-2750.0	220.0	-21	7	-2700.0	370.0	4	4
-2800.0	80.0	-20	-4	-2750.0	230.0	-18	7	-2700.0	380.0	3	4
-2800.0	90.0	-17	1	-2750.0	240.0	-17	6	-2700.0	390.0	5	5
-2800.0	100.0	-19	0	-2750.0	250.0	-14	5	-2700.0	400.0	6	5
-2800.0	110.0	-16	2	-2750.0	260.0	-12	5	-2700.0	410.0	4	4
-2800.0	120.0	-24	5	-2750.0	270.0	-13	6	-2700.0	420.0	5	3
-2800.0	130.0	-37	10	-2750.0	280.0	-10	6	-2700.0	430.0	7	4
-2800.0	140.0	-41	12	-2750.0	290.0	-10	7	-2700.0	440.0	3	3
-2800.0	150.0	-42	15	-2750.0	300.0	-8	5	-2700.0	450.0	1	2
-2800.0	160.0	-48	14	-2750.0	310.0	-11	4	-2700.0	460.0	2	2
-2800.0	170.0	-42	12	-2750.0	320.0	-8	4	-2700.0	470.0	2	2
-2800.0	180.0	-31	16	-2750.0	330.0	-9	4	-2700.0	480.0	0	3
-2800.0	190.0	-24	16	-2750.0	340.0	-5	4	-2700.0	490.0	1	4
-2800.0	200.0	-24	13	-2750.0	350.0	-5	4	-2700.0	500.0	0	1
-2800.0	210.0	-23	10	-2750.0	360.0	-4	4	-2700.0	510.0	-2	2
-2800.0	220.0	-21	7	-2750.0	370.0	-2	6	-2700.0	520.0	-3	1
-2800.0	230.0	-21	7	-2750.0	380.0	-1	7	-2700.0	530.0	-9	0
-2800.0	240.0	-18	6	-2750.0	390.0	-1	5	-2700.0	540.0	-8	2
-2800.0	250.0	-20	4	-2750.0	400.0	-1	5	-2700.0	550.0	-10	0
-2800.0	260.0	-13	5	-2750.0	410.0	-6	6	-2700.0	560.0	-14	0
-2800.0	270.0	-15	3	-2750.0	420.0	-3	5	-2700.0	570.0	-12	0
-2800.0	280.0	-15	3	-2750.0	430.0	-7	6	-2700.0	580.0	-11	0
-2800.0	290.0	-12	3	-2750.0	440.0	-4	5	-2700.0	590.0	-13	-1
-2800.0	300.0	-10	1	-2750.0	450.0	-2	7	-2700.0	600.0	-11	-2
-2800.0	310.0	-10	1	-2750.0	460.0	-4	6	-2650.0	0.0	-2	-7
-2800.0	320.0	-10	0	-2750.0	470.0	-2	6	-2650.0	10.0	-1	-8
-2800.0	330.0	-12	2	-2750.0	480.0	-3	6	-2650.0	20.0	2	-9
-2800.0	340.0	-10	0	-2750.0	490.0	-1	6	-2650.0	30.0	5	-10
-2800.0	350.0	-12	2	-2750.0	500.0	-2	7	-2650.0	40.0	13	-7
-2800.0	360.0	-6	5	-2750.0	510.0	-5	6	-2650.0	50.0	16	-4
-2800.0	370.0	-3	6	-2750.0	520.0	-4	5	-2650.0	60.0	13	-4
-2800.0	380.0	-1	6	-2750.0	530.0	-7	3	-2650.0	70.0	7	-1
-2800.0	390.0	-2	5	-2750.0	540.0	-8	3	-2650.0	90.0	-14	3
-2800.0	400.0	-6	4	-2750.0	550.0	-7	2	-2650.0	100.0	-22	8
-2800.0	410.0	-8	3	-2750.0	560.0	-10	0	-2650.0	110.0	-22	12
-2800.0	420.0	-8	2	-2750.0	570.0	-10	2	-2650.0	120.0	-19	17
-2800.0	430.0	-8	4	-2750.0	580.0	-13	0	-2650.0	130.0	-17	16
-2800.0	440.0	-7	5	-2750.0	590.0	-11	1	-2650.0	140.0	-12	18
-2800.0	450.0	-7	6	-2750.0	600.0	-7	1	-2650.0	150.0	-10	20
-2800.0	460.0	-3	6	-2700.0	0.0	-5	-8	-2650.0	160.0	-6	17
-2800.0	470.0	-6	7	-2700.0	10.0	-4	-11	-2650.0	170.0	-5	15
-2800.0	480.0	-2	8	-2700.0	20.0	3	-10	-2650.0	180.0	-5	13
-2800.0	490.0	-5	7	-2700.0	30.0	10	-11	-2650.0	190.0	-6	11
-2800.0	500.0	-1	5	-2700.0	40.0	14	-5	-2650.0	200.0	-5	11
-2800.0	510.0	-6	4	-2700.0	50.0	9	-4	-2650.0	210.0	-4	8
-2800.0	520.0	-3	3	-2700.0	60.0	-6	-5	-2650.0	220.0	-9	6
-2800.0	530.0	-3	6	-2700.0	70.0	-15	-2	-2650.0	230.0	-8	5
-2800.0	540.0	-3	2	-2700.0	80.0	-14	1	-2650.0	240.0	-3	5
-2800.0	550.0	-7	2	-2700.0	90.0	-17	5	-2650.0	250.0	-5	4
-2800.0	560.0	-4	3	-2700.0	100.0	-24	7	-2650.0	260.0	-1	6
-2800.0	570.0	-5	2	-2700.0	110.0	-33	12	-2650.0	270.0	-2	6
-2800.0	580.0	-6	3	-2700.0	120.0	-33	15	-2650.0	280.0	0	5

X(East)	Y(North)	In Ph	Quad
-2650.0	290.0	3	4
-2650.0	300.0	5	4
-2650.0	310.0	1	3
-2650.0	320.0	2	2
-2650.0	330.0	2	2
-2650.0	340.0	0	1
-2650.0	350.0	4	4
-2650.0	360.0	6	2
-2650.0	370.0	6	4
-2650.0	380.0	7	2
-2650.0	390.0	9	4
-2650.0	400.0	8	2
-2650.0	410.0	6	1
-2650.0	420.0	9	1
-2650.0	430.0	7	1
-2650.0	440.0	5	0
-2650.0	450.0	5	2
-2650.0	460.0	3	2
-2650.0	470.0	3	0
-2650.0	480.0	3	2
-2650.0	490.0	1	1
-2650.0	500.0	-1	3
-2650.0	510.0	-6	2
-2650.0	520.0	-8	2
-2650.0	530.0	-11	0
-2650.0	540.0	-14	0
-2650.0	550.0	-15	1
-2650.0	560.0	-15	0
-2650.0	570.0	-18	0
-2650.0	580.0	-18	2
-2650.0	590.0	-15	0
-2650.0	600.0	-16	0
-2600.0	0.0	-6	-3
-2600.0	10.0	-3	-5
-2600.0	20.0	0	-4
-2600.0	30.0	0	-5
-2600.0	40.0	4	-5
-2600.0	50.0	9	-3
-2600.0	60.0	6	-2
-2600.0	70.0	3	0
-2600.0	80.0	0	1
-2600.0	90.0	-1	4
-2600.0	100.0	-9	8
-2600.0	110.0	-6	11
-2600.0	120.0	-6	16
-2600.0	130.0	-3	15
-2600.0	140.0	1	15
-2600.0	150.0	-2	15
-2600.0	160.0	1	13
-2600.0	170.0	3	13
-2600.0	180.0	0	11
-2600.0	190.0	1	9
-2600.0	200.0	-1	7
-2600.0	210.0	-6	6
-2600.0	220.0	-4	6
-2600.0	230.0	-6	7
-2600.0	240.0	-4	6
-2600.0	250.0	-3	4
-2600.0	260.0	-6	2
-2600.0	270.0	0	3
-2600.0	280.0	1	6
-2600.0	290.0	0	2
-2600.0	300.0	0	2
-2600.0	310.0	2	3
-2600.0	320.0	-2	1
-2600.0	330.0	3	1
-2600.0	340.0	4	1
-2600.0	350.0	5	2
-2600.0	360.0	3	0
-2600.0	370.0	4	0
-2600.0	380.0	6	0
-2600.0	390.0	6	0
-2600.0	400.0	2	-1
-2600.0	410.0	5	0
-2600.0	420.0	7	0
-2600.0	430.0	6	-1
-2600.0	440.0	6	0
-2600.0	450.0	5	1
-2600.0	460.0	5	1
-2600.0	470.0	0	0
-2600.0	480.0	-2	0
-2600.0	490.0	-2	0
-2600.0	500.0	-4	0
-2600.0	510.0	-8	1
-2600.0	520.0	-10	0
-2600.0	530.0	-13	2
-2600.0	540.0	-9	1
-2600.0	550.0	-14	1
-2600.0	560.0	-17	1
-2600.0	570.0	-17	0
-2600.0	580.0	-14	0
-2600.0	590.0	-15	0
-2600.0	600.0	-14	0
-2550.0	0.0	-4	-2
-2550.0	10.0	-5	-3
-2550.0	20.0	-4	-3
-2550.0	30.0	-3	-3
-2550.0	40.0	0	-1
-2550.0	50.0	0	0
-2550.0	60.0	-1	-1
-2550.0	70.0	1	1
-2550.0	80.0	0	2
-2550.0	90.0	0	3
-2550.0	100.0	4	7
-2550.0	110.0	3	8
-2550.0	120.0	1	9
-2550.0	130.0	6	9
-2550.0	140.0	7	10
-2550.0	150.0	3	10
-2550.0	160.0	3	9
-2550.0	170.0	3	11
-2550.0	180.0	-1	8
-2550.0	190.0	-3	7
-2550.0	200.0	-4	9
-2550.0	210.0	-5	11
-2550.0	220.0	-5	8
-2550.0	230.0	-1	4
-2550.0	240.0	0	6
-2550.0	250.0	-1	5
-2550.0	260.0	-2	5
-2550.0	280.0	0	4
-2550.0	290.0	-3	2
-2550.0	300.0	-3	2
-2550.0	310.0	-1	0
-2550.0	320.0	-3	0
-2550.0	330.0	0	1
-2550.0	340.0	2	0
-2550.0	350.0	0	0
-2550.0	360.0	1	-2
-2550.0	370.0	6	0
-2550.0	380.0	7	1
-2550.0	390.0	2	0
-2550.0	400.0	5	0
-2550.0	410.0	6	0
-2550.0	420.0	8	0
-2550.0	430.0	1	0
-2550.0	440.0	3	0
-2550.0	450.0	0	0
-2550.0	460.0	2	0
-2550.0	470.0	-2	0
-2550.0	480.0	-3	0
-2550.0	490.0	-5	1
-2550.0	500.0	-8	2
-2550.0	510.0	-6	1
-2550.0	520.0	-8	2
-2550.0	530.0	-9	1
-2550.0	540.0	-13	1
-2550.0	550.0	-12	2
-2550.0	560.0	-12	2
-2550.0	570.0	-15	2
-2550.0	580.0	-11	1
-2550.0	590.0	-15	1
-2550.0	600.0	-16	0
-2500.0	0.0	-2	0
-2500.0	10.0	-2	-2
-2500.0	20.0	-1	0
-2500.0	30.0	0	-1
-2500.0	40.0	2	0
-2500.0	50.0	0	0
-2500.0	60.0	0	1
-2500.0	70.0	0	1
-2500.0	80.0	2	2
-2500.0	90.0	-1	2
-2500.0	100.0	4	4
-2500.0	110.0	6	6
-2500.0	120.0	7	7
-2500.0	130.0	8	6
-2500.0	140.0	5	7
-2500.0	150.0	3	8
-2500.0	160.0	1	7
-2500.0	170.0	-1	7
-2500.0	180.0	0	6
-2500.0	190.0	-3	6
-2500.0	200.0	-10	7
-2500.0	210.0	-5	7
-2500.0	220.0	-8	6
-2500.0	230.0	-11	6
-2500.0	240.0	-11	5
-2500.0	250.0	-10	5
-2500.0	260.0	-7	4
-2500.0	270.0	-6	4
-2500.0	280.0	-5	2
-2500.0	290.0	-10	0
-2500.0	300.0	-11	0
-2500.0	310.0	-7	0
-2500.0	320.0	-3	1
-2500.0	330.0	-5	0
-2500.0	340.0	-4	0
-2500.0	350.0	-1	0
-2500.0	360.0	-1	0
-2500.0	370.0	0	0
-2500.0	380.0	0	0
-2500.0	390.0	3	0
-2500.0	400.0	5	0
-2500.0	410.0	0	-1
-2500.0	420.0	4	-1
-2500.0	430.0	6	-1
-2500.0	440.0	0	0
-2500.0	450.0	-3	0
-2500.0	460.0	-5	-2
-2500.0	470.0	-9	-2
-2500.0	480.0	-7	-3
-2500.0	490.0	-10	-3
-2500.0	500.0	-11	-3
-2500.0	510.0	-11	-2
-2500.0	520.0	-8	-1
-2500.0	530.0	-6	-1
-2500.0	540.0	-7	-2
-2500.0	550.0	-7	-2
-2500.0	560.0	-8	-2
-2500.0	570.0	-7	-2
-2500.0	580.0	-8	-1
-2500.0	590.0	-12	-3
-2500.0	600.0	-11	-4
-2450.0	0.0	1	-2
-2450.0	10.0	3	-1
-2450.0	20.0	4	0
-2450.0	30.0	5	0
-2450.0	40.0	4	0
-2450.0	50.0	4	-1
-2450.0	60.0	3	0
-2450.0	70.0	2	0
-2450.0	80.0	4	1
-2450.0	90.0	6	0
-2450.0	100.0	7	2
-2450.0	110.0	5	3
-2450.0	120.0	11	3
-2450.0	130.0	7	2

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-2450.0	140.0	8	4	-2400.0	290.0	-5	8	-2350.0	440.0	2	2
-2450.0	150.0	3	4	-2400.0	300.0	-3	8	-2350.0	450.0	1	3
-2450.0	160.0	2	5	-2400.0	310.0	-1	8	-2350.0	460.0	0	2
-2450.0	170.0	1	7	-2400.0	320.0	-1	7	-2350.0	470.0	-5	2
-2450.0	180.0	2	7	-2400.0	330.0	-1	6	-2350.0	480.0	-5	3
-2450.0	190.0	1	6	-2400.0	340.0	2	7	-2350.0	490.0	-4	3
-2450.0	200.0	-3	8	-2400.0	350.0	4	8	-2350.0	500.0	-4	3
-2450.0	210.0	-3	9	-2400.0	360.0	10	9	-2350.0	510.0	-2	3
-2450.0	220.0	-8	9	-2400.0	370.0	8	7	-2350.0	520.0	0	3
-2450.0	230.0	-10	7	-2400.0	380.0	8	5	-2350.0	530.0	-1	2
-2450.0	240.0	-9	7	-2400.0	390.0	5	3	-2350.0	540.0	0	1
-2450.0	250.0	-8	7	-2400.0	400.0	5	1	-2350.0	550.0	0	0
-2450.0	260.0	-7	6	-2400.0	410.0	3	1	-2350.0	560.0	2	0
-2450.0	270.0	-7	7	-2400.0	420.0	4	1	-2350.0	570.0	-2	0
-2450.0	280.0	-9	4	-2400.0	430.0	4	1	-2350.0	580.0	-1	-3
-2450.0	290.0	-10	4	-2400.0	440.0	4	2	-2350.0	590.0	-1	-2
-2450.0	300.0	-7	2	-2400.0	450.0	6	2	-2350.0	600.0	5	-1
-2450.0	310.0	-5	2	-2400.0	460.0	-1	2	-2300.0	0.0	6	1
-2450.0	320.0	-1	3	-2400.0	470.0	0	1	-2300.0	10.0	7	1
-2450.0	330.0	-3	3	-2400.0	480.0	-3	2	-2300.0	20.0	4	2
-2450.0	340.0	-1	2	-2400.0	490.0	0	3	-2300.0	30.0	6	2
-2450.0	350.0	-1	3	-2400.0	500.0	-2	3	-2300.0	40.0	5	0
-2450.0	360.0	1	0	-2400.0	510.0	1	3	-2300.0	50.0	3	0
-2450.0	370.0	2	1	-2400.0	520.0	1	3	-2300.0	60.0	4	1
-2450.0	380.0	4	0	-2400.0	530.0	2	2	-2300.0	70.0	6	2
-2450.0	390.0	4	1	-2400.0	540.0	2	1	-2300.0	80.0	5	3
-2450.0	400.0	3	0	-2400.0	550.0	4	0	-2300.0	90.0	3	3
-2450.0	410.0	3	0	-2400.0	560.0	0	0	-2300.0	100.0	7	4
-2450.0	420.0	0	-2	-2400.0	570.0	2	0	-2300.0	110.0	3	3
-2450.0	430.0	1	-2	-2400.0	580.0	2	0	-2300.0	120.0	6	4
-2450.0	440.0	-2	-1	-2400.0	590.0	2	0	-2300.0	130.0	5	5
-2450.0	450.0	-2	0	-2400.0	600.0	3	-1	-2300.0	140.0	5	5
-2450.0	460.0	-6	-2	-2350.0	0.0	5	0	-2300.0	150.0	3	6
-2450.0	470.0	-10	-2	-2350.0	10.0	6	1	-2300.0	160.0	5	7
-2450.0	480.0	-10	-2	-2350.0	20.0	7	2	-2300.0	170.0	6	8
-2450.0	490.0	-8	0	-2350.0	30.0	4	2	-2300.0	180.0	3	9
-2450.0	500.0	-10	-2	-2350.0	40.0	3	3	-2300.0	190.0	3	11
-2450.0	510.0	-7	0	-2350.0	50.0	5	4	-2300.0	200.0	2	13
-2450.0	520.0	-12	0	-2350.0	60.0	4	4	-2300.0	210.0	-1	13
-2450.0	530.0	-12	-3	-2350.0	70.0	2	4	-2300.0	220.0	0	12
-2450.0	540.0	-12	-1	-2350.0	80.0	4	5	-2300.0	230.0	-5	12
-2450.0	550.0	-5	0	-2350.0	90.0	3	5	-2300.0	240.0	-2	12
-2450.0	560.0	-6	-1	-2350.0	100.0	6	4	-2300.0	250.0	-7	11
-2450.0	570.0	-7	-2	-2350.0	110.0	4	5	-2300.0	260.0	-6	12
-2450.0	580.0	-8	-4	-2350.0	120.0	4	5	-2300.0	270.0	-6	12
-2450.0	590.0	-9	-3	-2350.0	130.0	6	5	-2300.0	280.0	-7	11
-2450.0	600.0	-5	-3	-2350.0	140.0	5	5	-2300.0	290.0	-9	10
-2400.0	0.0	5	3	-2350.0	150.0	5	7	-2300.0	300.0	-9	9
-2400.0	10.0	5	3	-2350.0	160.0	6	7	-2300.0	310.0	-8	7
-2400.0	20.0	5	5	-2350.0	170.0	4	8	-2300.0	320.0	-10	8
-2400.0	30.0	4	4	-2350.0	180.0	0	10	-2300.0	330.0	-6	8
-2400.0	40.0	2	6	-2350.0	190.0	2	11	-2300.0	340.0	-6	8
-2400.0	50.0	4	6	-2350.0	200.0	1	13	-2300.0	350.0	-5	9
-2400.0	60.0	7	5	-2350.0	210.0	0	13	-2300.0	360.0	-2	8
-2400.0	70.0	5	6	-2350.0	220.0	-1	13	-2300.0	370.0	0	8
-2400.0	80.0	5	6	-2350.0	230.0	-5	13	-2300.0	380.0	0	8
-2400.0	90.0	4	6	-2350.0	240.0	-9	12	-2300.0	390.0	1	8
-2400.0	100.0	4	5	-2350.0	250.0	-11	12	-2300.0	400.0	2	7
-2400.0	110.0	4	6	-2350.0	260.0	-11	10	-2300.0	410.0	3	8
-2400.0	120.0	3	7	-2350.0	270.0	-11	9	-2300.0	420.0	6	8
-2400.0	130.0	2	6	-2350.0	280.0	-10	10	-2300.0	430.0	3	7
-2400.0	140.0	3	7	-2350.0	290.0	-8	8	-2300.0	440.0	3	6
-2400.0	150.0	3	8	-2350.0	300.0	-7	8	-2300.0	450.0	2	6
-2400.0	160.0	3	10	-2350.0	310.0	-7	8	-2300.0	460.0	0	5
-2400.0	170.0	2	10	-2350.0	320.0	-8	7	-2300.0	470.0	-2	4
-2400.0	180.0	3	10	-2350.0	330.0	-5	7	-2300.0	480.0	-6	4
-2400.0	190.0	1	11	-2350.0	340.0	-3	7	-2300.0	490.0	-9	4
-2400.0	200.0	-3	11	-2350.0	350.0	0	8	-2300.0	500.0	-11	3
-2400.0	210.0	-6	11	-2350.0	360.0	0	7	-2300.0	510.0	-5	2
-2400.0	220.0	-8	11	-2350.0	370.0	3	8	-2300.0	520.0	-9	1
-2400.0	230.0	-9	12	-2350.0	380.0	7	8	-2300.0	530.0	-7	0
-2400.0	240.0	-8	12	-2350.0	390.0	10	8	-2300.0	540.0	-6	1
-2400.0	250.0	-9	11	-2350.0	400.0	6	7	-2300.0	550.0	-9	0
-2400.0	260.0	-10	12	-2350.0	410.0	7	6	-2300.0	560.0	-3	0
-2400.0	270.0	-5	12	-2350.0	420.0	3	4	-2300.0	570.0	-4	-1
-2400.0	280.0	-6	9	-2350.0	430.0	2	3	-2300.0	580.0	-5	-2

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-2300.0	590.0	-2	-1	-2200.0	130.0	2	2	-2150.0	280.0	2	10
-2300.0	600.0	-1	0	-2200.0	140.0	4	3	-2150.0	290.0	0	11
-2250.0	0.0	3	2	-2200.0	150.0	2	4	-2150.0	300.0	-1	11
-2250.0	10.0	3	1	-2200.0	160.0	3	5	-2150.0	310.0	0	11
-2250.0	20.0	3	0	-2200.0	170.0	8	7	-2150.0	320.0	3	11
-2250.0	30.0	3	0	-2200.0	180.0	4	8	-2150.0	330.0	-1	12
-2250.0	40.0	3	1	-2200.0	190.0	6	8	-2150.0	340.0	-4	12
-2250.0	50.0	5	2	-2200.0	200.0	3	9	-2150.0	350.0	-5	12
-2250.0	60.0	3	1	-2200.0	210.0	3	11	-2150.0	360.0	-7	12
-2250.0	70.0	2	0	-2200.0	220.0	1	11	-2150.0	370.0	-9	13
-2250.0	80.0	2	0	-2200.0	230.0	0	12	-2150.0	380.0	-10	13
-2250.0	90.0	3	1	-2200.0	240.0	-3	12	-2150.0	390.0	-9	13
-2250.0	100.0	3	2	-2200.0	250.0	-3	13	-2150.0	400.0	-8	14
-2250.0	110.0	1	2	-2200.0	260.0	-2	13	-2150.0	410.0	-11	13
-2250.0	120.0	5	3	-2200.0	270.0	-5	13	-2150.0	420.0	-12	13
-2250.0	130.0	10	4	-2200.0	280.0	-3	13	-2150.0	430.0	-14	14
-2250.0	140.0	7	6	-2200.0	290.0	-4	12	-2150.0	440.0	-9	14
-2250.0	150.0	6	6	-2200.0	300.0	-5	13	-2150.0	450.0	-12	15
-2250.0	160.0	8	8	-2200.0	310.0	-7	12	-2150.0	460.0	-8	15
-2250.0	170.0	5	9	-2200.0	320.0	-9	11	-2150.0	470.0	-12	15
-2250.0	180.0	4	10	-2200.0	330.0	-10	11	-2150.0	480.0	-14	16
-2250.0	190.0	5	10	-2200.0	340.0	-12	10	-2150.0	490.0	-17	15
-2250.0	200.0	0	11	-2200.0	350.0	-13	10	-2150.0	500.0	-19	13
-2250.0	210.0	-1	12	-2200.0	360.0	-15	8	-2150.0	510.0	-21	13
-2250.0	220.0	-3	12	-2200.0	370.0	-16	8	-2150.0	520.0	-21	12
-2250.0	230.0	-4	13	-2200.0	380.0	-16	8	-2150.0	530.0	-21	10
-2250.0	240.0	-2	13	-2200.0	390.0	-15	9	-2150.0	540.0	-23	8
-2250.0	250.0	-6	13	-2200.0	400.0	-11	10	-2150.0	550.0	-25	7
-2250.0	260.0	-5	13	-2200.0	410.0	-12	10	-2150.0	560.0	-24	4
-2250.0	270.0	-4	13	-2200.0	420.0	-10	11	-2150.0	570.0	-24	3
-2250.0	280.0	-5	12	-2200.0	430.0	-3	13	-2150.0	580.0	-18	2
-2250.0	290.0	-9	11	-2200.0	440.0	0	14	-2150.0	590.0	-21	1
-2250.0	300.0	-9	11	-2200.0	450.0	-1	14	-2150.0	600.0	-18	0
-2250.0	310.0	-11	10	-2200.0	460.0	-1	13	-2100.0	0.0	3	1
-2250.0	320.0	-11	9	-2200.0	470.0	-6	11	-2100.0	10.0	3	0
-2250.0	330.0	-12	9	-2200.0	480.0	-15	10	-2100.0	20.0	3	0
-2250.0	340.0	-9	8	-2200.0	490.0	-16	9	-2100.0	30.0	0	0
-2250.0	350.0	-12	8	-2200.0	500.0	-18	9	-2100.0	40.0	2	1
-2250.0	360.0	-9	9	-2200.0	510.0	-16	8	-2100.0	50.0	0	1
-2250.0	370.0	-6	9	-2200.0	520.0	-20	5	-2100.0	60.0	2	0
-2250.0	380.0	-10	9	-2200.0	530.0	-22	3	-2100.0	70.0	0	0
-2250.0	390.0	-8	10	-2200.0	540.0	-22	4	-2100.0	80.0	3	0
-2250.0	400.0	-3	11	-2200.0	550.0	-18	3	-2100.0	90.0	3	0
-2250.0	410.0	0	11	-2200.0	560.0	-23	1	-2100.0	100.0	0	0
-2250.0	420.0	0	11	-2200.0	570.0	-15	0	-2100.0	110.0	1	0
-2250.0	430.0	1	11	-2200.0	580.0	-16	0	-2100.0	120.0	2	0
-2250.0	440.0	2	10	-2200.0	590.0	-16	0	-2100.0	130.0	3	0
-2250.0	450.0	2	10	-2200.0	600.0	-13	0	-2100.0	140.0	2	0
-2250.0	460.0	-1	10	-2150.0	0.0	6	1	-2100.0	150.0	3	1
-2250.0	470.0	-3	8	-2150.0	10.0	2	1	-2100.0	160.0	1	1
-2250.0	480.0	-7	7	-2150.0	20.0	3	1	-2100.0	170.0	0	2
-2250.0	490.0	-16	6	-2150.0	30.0	2	0	-2100.0	180.0	0	1
-2250.0	500.0	-14	5	-2150.0	40.0	2	0	-2100.0	190.0	1	1
-2250.0	510.0	-16	3	-2150.0	50.0	1	1	-2100.0	200.0	5	2
-2250.0	520.0	-16	2	-2150.0	60.0	3	1	-2100.0	210.0	3	1
-2250.0	530.0	-16	3	-2150.0	70.0	4	0	-2100.0	220.0	2	1
-2250.0	540.0	-16	2	-2150.0	80.0	0	0	-2100.0	230.0	0	0
-2250.0	550.0	-17	0	-2150.0	90.0	0	0	-2100.0	240.0	0	0
-2250.0	560.0	-15	0	-2150.0	100.0	4	0	-2100.0	250.0	2	1
-2250.0	570.0	-15	-1	-2150.0	110.0	5	1	-2100.0	260.0	0	2
-2250.0	580.0	-12	-2	-2150.0	120.0	6	1	-2100.0	270.0	0	2
-2250.0	590.0	-7	-1	-2150.0	130.0	3	1	-2100.0	280.0	4	1
-2250.0	600.0	-5	0	-2150.0	140.0	6	2	-2100.0	290.0	6	2
-2200.0	0.0	3	1	-2150.0	150.0	4	3	-2100.0	300.0	6	4
-2200.0	10.0	5	1	-2150.0	160.0	5	3	-2100.0	310.0	4	4
-2200.0	20.0	3	1	-2150.0	170.0	3	4	-2100.0	320.0	5	6
-2200.0	30.0	2	1	-2150.0	180.0	5	4	-2100.0	330.0	6	6
-2200.0	40.0	5	0	-2150.0	190.0	6	5	-2100.0	340.0	6	6
-2200.0	50.0	3	1	-2150.0	200.0	2	6	-2100.0	350.0	6	7
-2200.0	60.0	5	0	-2150.0	210.0	3	6	-2100.0	360.0	4	8
-2200.0	70.0	5	0	-2150.0	220.0	2	4	-2100.0	370.0	3	8
-2200.0	80.0	5	0	-2150.0	230.0	1	5	-2100.0	380.0	0	9
-2200.0	90.0	4	1	-2150.0	240.0	0	7	-2100.0	390.0	1	11
-2200.0	100.0	5	1	-2150.0	250.0	2	8	-2100.0	400.0	-2	12
-2200.0	110.0	3	1	-2150.0	260.0	0	9	-2100.0	410.0	-3	13
-2200.0	120.0	4	2	-2150.0	270.0	1	10	-2100.0	420.0	-4	15

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-2100.0	430.0	-5	16	-2050.0	590.0	-24	16	-1950.0	120.0	2	2
-2100.0	440.0	-8	16	-2050.0	600.0	-24	15	-1950.0	130.0	1	2
-2100.0	450.0	-10	17	-2000.0	0.0	2	2	-1950.0	140.0	0	1
-2100.0	460.0	-14	18	-2000.0	10.0	1	2	-1950.0	150.0	1	0
-2100.0	470.0	-16	18	-2000.0	20.0	2	2	-1950.0	160.0	1	1
-2100.0	480.0	-21	19	-2000.0	30.0	1	1	-1950.0	170.0	-1	1
-2100.0	490.0	-22	18	-2000.0	40.0	3	1	-1950.0	180.0	1	2
-2100.0	500.0	-22	19	-2000.0	50.0	4	1	-1950.0	190.0	1	1
-2100.0	510.0	-21	18	-2000.0	60.0	4	0	-1950.0	200.0	1	1
-2100.0	520.0	-20	18	-2000.0	70.0	4	0	-1950.0	210.0	0	0
-2100.0	530.0	-20	16	-2000.0	80.0	3	0	-1950.0	220.0	0	-1
-2100.0	540.0	-19	16	-2000.0	90.0	0	0	-1950.0	230.0	-1	-3
-2100.0	550.0	-22	16	-2000.0	100.0	3	0	-1950.0	240.0	0	-3
-2100.0	560.0	-19	16	-2000.0	110.0	1	0	-1950.0	250.0	-2	-3
-2100.0	570.0	-21	12	-2000.0	120.0	3	0	-1950.0	260.0	-2	-3
-2100.0	580.0	-20	11	-2000.0	130.0	-1	1	-1950.0	270.0	-1	-3
-2100.0	590.0	-19	9	-2000.0	140.0	2	0	-1950.0	280.0	-2	-3
-2100.0	600.0	-20	7	-2000.0	150.0	1	0	-1950.0	290.0	-1	-3
-2050.0	0.0	0	1	-2000.0	160.0	0	0	-1950.0	300.0	-1	-2
-2050.0	10.0	1	0	-2000.0	170.0	3	0	-1950.0	310.0	-1	-3
-2050.0	20.0	4	0	-2000.0	180.0	2	0	-1950.0	320.0	0	-2
-2050.0	30.0	1	0	-2000.0	190.0	0	0	-1950.0	330.0	-1	-1
-2050.0	40.0	5	0	-2000.0	200.0	0	-1	-1950.0	340.0	0	-1
-2050.0	50.0	4	1	-2000.0	210.0	0	-1	-1950.0	350.0	1	-1
-2050.0	60.0	2	0	-2000.0	220.0	-1	-2	-1950.0	360.0	-2	0
-2050.0	70.0	0	0	-2000.0	230.0	0	-2	-1950.0	370.0	0	-1
-2050.0	90.0	3	0	-2000.0	240.0	-1	-2	-1950.0	380.0	-2	-1
-2050.0	100.0	0	0	-2000.0	250.0	0	-1	-1950.0	390.0	-1	-1
-2050.0	110.0	2	0	-2000.0	260.0	0	-1	-1950.0	400.0	0	-1
-2050.0	120.0	3	0	-2000.0	270.0	1	-1	-1950.0	410.0	0	0
-2050.0	130.0	1	0	-2000.0	280.0	-1	-1	-1950.0	420.0	1	-1
-2050.0	140.0	3	0	-2000.0	290.0	-2	0	-1950.0	430.0	0	-1
-2050.0	150.0	3	0	-2000.0	300.0	0	-1	-1950.0	440.0	-1	-2
-2050.0	160.0	3	0	-2000.0	310.0	1	-1	-1950.0	450.0	0	-3
-2050.0	170.0	3	0	-2000.0	320.0	0	-1	-1950.0	460.0	0	-3
-2050.0	180.0	3	0	-2000.0	330.0	1	0	-1950.0	470.0	1	-4
-2050.0	190.0	0	0	-2000.0	340.0	0	0	-1950.0	480.0	-1	-3
-2050.0	200.0	2	0	-2000.0	350.0	2	-1	-1950.0	490.0	0	-3
-2050.0	210.0	0	0	-2000.0	360.0	-1	-2	-1950.0	500.0	-1	-4
-2050.0	220.0	0	-1	-2000.0	370.0	0	-1	-1950.0	510.0	2	-3
-2050.0	230.0	0	0	-2000.0	380.0	-1	0	-1950.0	520.0	1	-2
-2050.0	240.0	-3	-1	-2000.0	390.0	0	-1	-1950.0	530.0	3	-1
-2050.0	250.0	0	-1	-2000.0	400.0	0	0	-1950.0	540.0	1	-1
-2050.0	260.0	-2	-1	-2000.0	410.0	3	1	-1950.0	550.0	2	0
-2050.0	270.0	-1	-1	-2000.0	420.0	5	0	-1950.0	560.0	2	0
-2050.0	280.0	1	-1	-2000.0	430.0	4	1	-1950.0	570.0	3	1
-2050.0	290.0	2	0	-2000.0	440.0	2	1	-1950.0	580.0	2	1
-2050.0	300.0	1	0	-2000.0	450.0	5	0	-1950.0	590.0	1	3
-2050.0	310.0	3	0	-2000.0	460.0	4	2	-1950.0	600.0	3	3
-2050.0	320.0	4	0	-2000.0	470.0	5	3	-1900.0	0.0	-2	-3
-2050.0	330.0	0	0	-2000.0	480.0	6	4	-1900.0	10.0	-1	-2
-2050.0	340.0	1	-1	-2000.0	490.0	9	5	-1900.0	20.0	2	-2
-2050.0	350.0	5	0	-2000.0	500.0	5	7	-1900.0	30.0	0	-1
-2050.0	360.0	2	0	-2000.0	510.0	8	7	-1900.0	40.0	-2	-2
-2050.0	370.0	6	2	-2000.0	520.0	6	9	-1900.0	50.0	0	-3
-2050.0	380.0	7	2	-2000.0	530.0	9	11	-1900.0	60.0	1	-3
-2050.0	390.0	5	3	-2000.0	540.0	7	12	-1900.0	70.0	2	-3
-2050.0	400.0	9	5	-2000.0	550.0	7	13	-1900.0	80.0	0	-3
-2050.0	410.0	8	6	-2000.0	560.0	7	14	-1900.0	90.0	1	-2
-2050.0	420.0	5	8	-2000.0	570.0	3	15	-1900.0	100.0	0	-2
-2050.0	430.0	6	9	-2000.0	580.0	2	15	-1900.0	110.0	0	-1
-2050.0	440.0	3	11	-2000.0	590.0	-2	16	-1900.0	120.0	1	0
-2050.0	450.0	5	12	-2000.0	600.0	0	16	-1900.0	130.0	3	0
-2050.0	460.0	0	14	-2000.0	610.0	-4	17	-1900.0	140.0	1	0
-2050.0	470.0	1	15	-1950.0	0.0	0	1	-1900.0	150.0	-1	0
-2050.0	480.0	0	17	-1950.0	10.0	1	3	-1900.0	160.0	0	1
-2050.0	490.0	-3	19	-1950.0	20.0	2	3	-1900.0	170.0	-1	1
-2050.0	500.0	-2	20	-1950.0	30.0	2	2	-1900.0	180.0	0	1
-2050.0	510.0	-4	20	-1950.0	40.0	0	0	-1900.0	190.0	0	0
-2050.0	520.0	-5	20	-1950.0	50.0	0	-2	-1900.0	200.0	1	0
-2050.0	530.0	-4	22	-1950.0	60.0	0	-1	-1900.0	210.0	1	0
-2050.0	540.0	-10	21	-1950.0	70.0	0	0	-1900.0	220.0	1	-2
-2050.0	550.0	-9	21	-1950.0	80.0	1	-1	-1900.0	230.0	0	-2
-2050.0	560.0	-11	22	-1950.0	90.0	1	0	-1900.0	240.0	0	-4
-2050.0	570.0	-11	19	-1950.0	100.0	1	0	-1900.0	250.0	0	-4
-2050.0	580.0	-18	18	-1950.0	110.0	2	2	-1900.0	260.0	1	-5

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-1900.0	270.0	0	-5	-1850.0	420.0	1	-5	-1800.0	570.0	1	-14
-1900.0	280.0	0	-6	-1850.0	430.0	1	-8	-1800.0	580.0	1	-13
-1900.0	290.0	1	-5	-1850.0	440.0	2	-8	-1800.0	590.0	-2	-13
-1900.0	300.0	-2	-4	-1850.0	450.0	0	-9	-1800.0	600.0	1	-12
-1900.0	310.0	0	-5	-1850.0	460.0	2	-9	-1750.0	0.0	-7	0
-1900.0	320.0	0	-4	-1850.0	470.0	0	-11	-1750.0	10.0	-7	0
-1900.0	330.0	1	-4	-1850.0	480.0	2	-11	-1750.0	20.0	-6	-1
-1900.0	340.0	1	-3	-1850.0	490.0	3	-10	-1750.0	30.0	-1	0
-1900.0	350.0	0	-2	-1850.0	500.0	4	-11	-1750.0	40.0	0	0
-1900.0	360.0	1	-2	-1850.0	510.0	0	-10	-1750.0	50.0	-2	-1
-1900.0	370.0	0	-2	-1850.0	520.0	0	-9	-1750.0	60.0	-5	-3
-1900.0	380.0	0	-2	-1850.0	530.0	-3	-9	-1750.0	70.0	-2	-2
-1900.0	390.0	1	-1	-1850.0	540.0	-2	-8	-1750.0	80.0	-3	-3
-1900.0	400.0	1	-2	-1850.0	550.0	-2	-7	-1750.0	90.0	-6	-1
-1900.0	410.0	-2	-3	-1850.0	560.0	-3	-7	-1750.0	100.0	-1	0
-1900.0	420.0	-3	-3	-1850.0	570.0	-2	-5	-1750.0	110.0	-3	0
-1900.0	430.0	-1	-3	-1850.0	580.0	-4	-6	-1750.0	120.0	-1	0
-1900.0	440.0	-3	-3	-1850.0	590.0	-5	-5	-1750.0	130.0	-2	-2
-1900.0	450.0	-3	-3	-1850.0	600.0	-9	-5	-1750.0	140.0	0	-3
-1900.0	460.0	-2	-3	-1800.0	0.0	-6	0	-1750.0	150.0	0	-5
-1900.0	470.0	-1	-3	-1800.0	10.0	-5	-2	-1750.0	160.0	5	-5
-1900.0	480.0	0	-2	-1800.0	20.0	-5	-1	-1750.0	170.0	7	-6
-1900.0	490.0	0	-3	-1800.0	30.0	-4	-1	-1750.0	180.0	11	-6
-1900.0	500.0	-2	-2	-1800.0	40.0	-3	-1	-1750.0	190.0	13	-3
-1900.0	510.0	-1	-3	-1800.0	50.0	-3	-2	-1750.0	200.0	7	-1
-1900.0	520.0	-4	-3	-1800.0	60.0	-4	-2	-1750.0	210.0	0	0
-1900.0	530.0	-5	-3	-1800.0	70.0	-2	-3	-1750.0	220.0	-11	0
-1900.0	540.0	-1	-3	-1800.0	80.0	-3	-3	-1750.0	230.0	-23	2
-1900.0	550.0	-2	-2	-1800.0	90.0	-1	-3	-1750.0	240.0	-25	3
-1900.0	560.0	-2	-2	-1800.0	100.0	0	-2	-1750.0	250.0	-22	2
-1900.0	570.0	-1	-2	-1800.0	110.0	0	-1	-1750.0	260.0	-18	2
-1900.0	580.0	0	-2	-1800.0	120.0	-1	-1	-1750.0	270.0	-10	0
-1900.0	590.0	-1	-2	-1800.0	130.0	-2	-2	-1750.0	280.0	-12	0
-1900.0	600.0	-4	-1	-1800.0	140.0	-1	-2	-1750.0	290.0	-8	-2
-1850.0	0.0	-6	-3	-1800.0	150.0	0	-4	-1750.0	300.0	-4	-4
-1850.0	10.0	-5	-3	-1800.0	160.0	-1	-4	-1750.0	310.0	1	-3
-1850.0	20.0	-2	-3	-1800.0	170.0	0	-4	-1750.0	320.0	2	-2
-1850.0	30.0	-3	-2	-1800.0	180.0	-2	-4	-1750.0	330.0	5	-1
-1850.0	40.0	-2	-3	-1800.0	190.0	-4	-3	-1750.0	340.0	2	0
-1850.0	50.0	0	-3	-1800.0	200.0	-9	-2	-1750.0	350.0	3	1
-1850.0	60.0	0	-3	-1800.0	210.0	-12	0	-1750.0	360.0	0	3
-1850.0	70.0	0	-3	-1800.0	220.0	-21	1	-1750.0	370.0	-7	4
-1850.0	80.0	1	-2	-1800.0	230.0	-18	2	-1750.0	380.0	-9	5
-1850.0	90.0	0	-2	-1800.0	240.0	-17	1	-1750.0	390.0	-11	6
-1850.0	100.0	0	-3	-1800.0	250.0	-12	1	-1750.0	400.0	-10	6
-1850.0	110.0	0	-2	-1800.0	260.0	-6	0	-1750.0	410.0	-11	4
-1850.0	120.0	0	-2	-1800.0	270.0	-1	-1	-1750.0	420.0	-6	4
-1850.0	130.0	-1	-1	-1800.0	280.0	-1	-2	-1750.0	430.0	-6	4
-1850.0	140.0	-1	-1	-1800.0	290.0	4	-4	-1750.0	440.0	0	3
-1850.0	150.0	-3	0	-1800.0	300.0	4	-5	-1750.0	450.0	5	3
-1850.0	160.0	-4	0	-1800.0	310.0	6	-4	-1750.0	460.0	6	1
-1850.0	170.0	-5	0	-1800.0	320.0	8	-3	-1750.0	470.0	10	0
-1850.0	180.0	-6	0	-1800.0	330.0	9	-3	-1750.0	480.0	8	-1
-1850.0	190.0	-7	2	-1800.0	340.0	6	-1	-1750.0	490.0	9	-4
-1850.0	200.0	-5	2	-1800.0	350.0	6	0	-1750.0	500.0	13	-1
-1850.0	210.0	-5	3	-1800.0	360.0	3	1	-1750.0	510.0	15	-1
-1850.0	220.0	0	2	-1800.0	370.0	3	2	-1750.0	520.0	15	-2
-1850.0	230.0	0	0	-1800.0	380.0	1	2	-1750.0	530.0	14	-3
-1850.0	240.0	2	0	-1800.0	390.0	4	3	-1750.0	540.0	14	-5
-1850.0	250.0	7	-3	-1800.0	400.0	4	1	-1750.0	550.0	13	-5
-1850.0	260.0	8	-5	-1800.0	410.0	8	0	-1750.0	560.0	10	-7
-1850.0	270.0	9	-6	-1800.0	420.0	7	0	-1750.0	570.0	9	-9
-1850.0	280.0	9	-9	-1800.0	430.0	10	-2	-1750.0	580.0	11	-7
-1850.0	290.0	5	-8	-1800.0	440.0	12	-2	-1750.0	590.0	12	-7
-1850.0	300.0	7	-10	-1800.0	450.0	15	-5	-1750.0	600.0	7	-9
-1850.0	310.0	6	-8	-1800.0	460.0	12	-6	-1700.0	0.0	-4	2
-1850.0	320.0	5	-8	-1800.0	470.0	11	-8	-1700.0	10.0	-5	-1
-1850.0	330.0	5	-6	-1800.0	480.0	11	-10	-1700.0	20.0	-5	-1
-1850.0	340.0	2	-5	-1800.0	490.0	11	-10	-1700.0	30.0	-5	-1
-1850.0	350.0	0	-5	-1800.0	500.0	7	-11	-1700.0	40.0	-7	-2
-1850.0	360.0	-3	-6	-1800.0	510.0	9	-11	-1700.0	50.0	-7	-2
-1850.0	370.0	0	-5	-1800.0	520.0	6	-13	-1700.0	60.0	-7	0
-1850.0	380.0	0	-5	-1800.0	530.0	8	-14	-1700.0	70.0	-8	-1
-1850.0	390.0	0	-5	-1800.0	540.0	4	-14	-1700.0	80.0	-13	0
-1850.0	400.0	2	-5	-1800.0	550.0	2	-14	-1700.0	90.0	-13	0
-1850.0	410.0	4	-5	-1800.0	560.0	5	-14	-1700.0	100.0	-13	1

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-1700.0	110.0	-11	1	-1650.0	260.0	-20	0	-1600.0	420.0	-37	10
-1700.0	120.0	-10	3	-1650.0	270.0	-16	2	-1600.0	430.0	-39	12
-1700.0	130.0	-5	2	-1650.0	280.0	-15	1	-1600.0	440.0	-34	16
-1700.0	140.0	-6	0	-1650.0	290.0	-14	-1	-1600.0	450.0	-29	16
-1700.0	150.0	-2	0	-1650.0	300.0	-11	-2	-1600.0	460.0	-26	12
-1700.0	160.0	1	-2	-1650.0	310.0	-14	-7	-1600.0	470.0	-23	12
-1700.0	170.0	2	-3	-1650.0	320.0	-8	-9	-1600.0	480.0	-17	10
-1700.0	180.0	5	-2	-1650.0	330.0	-3	-8	-1600.0	490.0	-13	10
-1700.0	190.0	8	0	-1650.0	340.0	4	-6	-1600.0	500.0	-7	10
-1700.0	200.0	13	2	-1650.0	350.0	8	-2	-1600.0	510.0	-6	10
-1700.0	210.0	17	4	-1650.0	360.0	5	0	-1600.0	520.0	-4	9
-1700.0	220.0	12	6	-1650.0	370.0	-3	2	-1600.0	530.0	-1	9
-1700.0	230.0	-7	4	-1650.0	380.0	-14	3	-1600.0	540.0	1	8
-1700.0	240.0	-24	3	-1650.0	390.0	-22	7	-1600.0	550.0	0	7
-1700.0	250.0	-25	3	-1650.0	400.0	-31	10	-1600.0	560.0	-1	4
-1700.0	260.0	-22	2	-1650.0	410.0	-31	11	-1600.0	570.0	-5	0
-1700.0	270.0	-18	1	-1650.0	420.0	-31	13	-1600.0	580.0	-7	-5
-1700.0	280.0	-15	-2	-1650.0	430.0	-30	17	-1600.0	590.0	-8	-6
-1700.0	290.0	-14	-4	-1650.0	440.0	-21	16	-1600.0	600.0	-5	-5
-1700.0	300.0	-13	-5	-1650.0	450.0	-21	10	-1550.0	0.0	-5	-3
-1700.0	310.0	-7	-5	-1650.0	460.0	-21	6	-1550.0	10.0	-2	-6
-1700.0	320.0	-2	-2	-1650.0	470.0	-16	5	-1550.0	20.0	8	-5
-1700.0	330.0	3	0	-1650.0	480.0	-14	5	-1550.0	30.0	7	-2
-1700.0	340.0	7	1	-1650.0	490.0	-8	6	-1550.0	40.0	-5	-1
-1700.0	350.0	8	3	-1650.0	500.0	-3	6	-1550.0	50.0	-6	0
-1700.0	360.0	5	3	-1650.0	510.0	-3	5	-1550.0	60.0	-8	0
-1700.0	370.0	1	3	-1650.0	520.0	0	6	-1550.0	70.0	-12	-1
-1700.0	380.0	2	6	-1650.0	530.0	4	5	-1550.0	80.0	-14	-1
-1700.0	390.0	-8	8	-1650.0	540.0	4	4	-1550.0	90.0	-13	3
-1700.0	400.0	-22	8	-1650.0	550.0	4	1	-1550.0	100.0	-18	9
-1700.0	410.0	-27	11	-1650.0	560.0	0	0	-1550.0	110.0	-23	13
-1700.0	420.0	-22	12	-1650.0	570.0	-4	-5	-1550.0	120.0	-28	14
-1700.0	430.0	-20	9	-1650.0	580.0	-2	-6	-1550.0	130.0	-20	10
-1700.0	440.0	-19	8	-1650.0	590.0	1	-4	-1550.0	140.0	-17	8
-1700.0	450.0	-14	6	-1650.0	600.0	3	-3	-1550.0	150.0	-14	5
-1700.0	460.0	-7	5	-1600.0	0.0	2	-2	-1550.0	160.0	-10	0
-1700.0	470.0	-10	3	-1600.0	10.0	-3	-7	-1550.0	170.0	-9	-3
-1700.0	480.0	-2	2	-1600.0	20.0	-7	-7	-1550.0	180.0	-7	-4
-1700.0	490.0	-1	1	-1600.0	30.0	-2	-4	-1550.0	190.0	-1	-3
-1700.0	500.0	0	2	-1600.0	40.0	-8	-1	-1550.0	200.0	3	-1
-1700.0	510.0	4	1	-1600.0	50.0	-9	0	-1550.0	210.0	5	1
-1700.0	520.0	8	4	-1600.0	60.0	-11	0	-1550.0	220.0	4	2
-1700.0	530.0	8	2	-1600.0	80.0	-9	0	-1550.0	230.0	3	4
-1700.0	540.0	8	1	-1600.0	90.0	-12	1	-1550.0	240.0	-1	7
-1700.0	550.0	4	0	-1600.0	100.0	-13	3	-1550.0	250.0	-2	7
-1700.0	560.0	2	-4	-1600.0	110.0	-12	6	-1550.0	260.0	-9	6
-1700.0	570.0	1	-5	-1600.0	120.0	-16	7	-1550.0	270.0	-13	4
-1700.0	580.0	0	-4	-1600.0	130.0	-15	6	-1550.0	280.0	-21	2
-1700.0	590.0	4	-4	-1600.0	140.0	-17	2	-1550.0	290.0	-17	2
-1700.0	600.0	4	-4	-1600.0	150.0	-14	1	-1550.0	300.0	-16	0
-1650.0	0.0	0	-2	-1600.0	160.0	-11	-1	-1550.0	310.0	-12	-1
-1650.0	10.0	2	-3	-1600.0	170.0	-5	-2	-1550.0	320.0	-6	-3
-1650.0	20.0	1	-2	-1600.0	180.0	0	-3	-1550.0	330.0	0	-5
-1650.0	30.0	-4	-2	-1600.0	190.0	0	-3	-1550.0	340.0	4	-4
-1650.0	40.0	-7	0	-1600.0	200.0	3	-1	-1550.0	350.0	14	-4
-1650.0	50.0	-9	-1	-1600.0	210.0	1	0	-1550.0	360.0	20	-3
-1650.0	60.0	-8	0	-1600.0	220.0	3	1	-1550.0	370.0	20	2
-1650.0	70.0	-10	-1	-1600.0	230.0	6	4	-1550.0	380.0	10	4
-1650.0	80.0	-8	0	-1600.0	240.0	8	8	-1550.0	390.0	-10	4
-1650.0	90.0	-15	0	-1600.0	250.0	8	9	-1550.0	400.0	-23	5
-1650.0	100.0	-17	0	-1600.0	260.0	-5	5	-1550.0	410.0	-36	8
-1650.0	110.0	-15	1	-1600.0	270.0	-18	-1	-1550.0	420.0	-36	11
-1650.0	120.0	-13	3	-1600.0	280.0	-22	-1	-1550.0	430.0	-42	14
-1650.0	130.0	-15	2	-1600.0	290.0	-15	0	-1550.0	440.0	-40	13
-1650.0	140.0	-15	1	-1600.0	300.0	-12	0	-1550.0	450.0	-38	14
-1650.0	150.0	-11	-1	-1600.0	310.0	-4	0	-1550.0	460.0	-32	15
-1650.0	160.0	-5	0	-1600.0	320.0	0	0	-1550.0	470.0	-28	15
-1650.0	170.0	-1	-2	-1600.0	330.0	0	-3	-1550.0	480.0	-21	15
-1650.0	180.0	1	-1	-1600.0	340.0	7	-5	-1550.0	490.0	-16	14
-1650.0	190.0	4	0	-1600.0	350.0	7	-9	-1550.0	500.0	-9	14
-1650.0	200.0	5	0	-1600.0	360.0	13	-5	-1550.0	510.0	-8	13
-1650.0	210.0	10	3	-1600.0	370.0	13	-1	-1550.0	520.0	-6	12
-1650.0	220.0	12	6	-1600.0	380.0	0	0	-1550.0	530.0	-5	12
-1650.0	230.0	9	8	-1600.0	390.0	-13	1	-1550.0	540.0	-1	11
-1650.0	240.0	4	8	-1600.0	400.0	-27	5	-1550.0	550.0	0	9
-1650.0	250.0	-14	1	-1600.0	410.0	-32	8	-1550.0	560.0	-2	8

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-1550.0	570.0	-3	3	-1450.0	100.0	17	1	-1400.0	290.0	-27	2
-1550.0	580.0	-3	2	-1450.0	110.0	-10	6	-1400.0	300.0	-32	4
-1550.0	590.0	-8	-1	-1450.0	120.0	-10	8	-1400.0	310.0	-31	3
-1550.0	600.0	-7	-1	-1450.0	130.0	-4	9	-1400.0	320.0	-22	1
-1500.0	0.0	-10	-6	-1450.0	140.0	-2	10	-1400.0	330.0	-14	3
-1500.0	0.0	-10	-6	-1450.0	150.0	-8	9	-1400.0	340.0	-8	4
-1500.0	10.0	-4	-6	-1450.0	160.0	-10	7	-1400.0	350.0	-2	5
-1500.0	20.0	-2	-6	-1450.0	170.0	-18	0	-1400.0	360.0	-1	3
-1500.0	30.0	0	-5	-1450.0	180.0	-30	-7	-1400.0	370.0	1	2
-1500.0	40.0	3	-4	-1450.0	190.0	-21	-8	-1400.0	380.0	-2	0
-1500.0	50.0	5	-3	-1450.0	200.0	-7	-3	-1400.0	390.0	0	-1
-1500.0	60.0	8	-5	-1450.0	210.0	2	-1	-1400.0	400.0	0	-1
-1500.0	70.0	5	-6	-1450.0	220.0	15	0	-1400.0	410.0	1	0
-1500.0	80.0	7	-6	-1450.0	230.0	22	3	-1400.0	420.0	0	0
-1500.0	90.0	8	-3	-1450.0	240.0	23	6	-1400.0	430.0	2	1
-1500.0	100.0	1	3	-1450.0	250.0	11	10	-1400.0	440.0	2	3
-1500.0	110.0	-12	9	-1450.0	260.0	-18	9	-1400.0	450.0	-1	5
-1500.0	120.0	-28	13	-1450.0	270.0	-31	4	-1400.0	460.0	-6	6
-1500.0	130.0	-25	16	-1450.0	280.0	-24	9	-1400.0	470.0	-9	10
-1500.0	140.0	-17	14	-1450.0	290.0	-19	7	-1400.0	480.0	-11	13
-1500.0	150.0	-16	11	-1450.0	300.0	-18	5	-1400.0	490.0	-18	14
-1500.0	160.0	-17	6	-1450.0	310.0	-18	5	-1400.0	500.0	-18	14
-1500.0	170.0	-16	4	-1450.0	320.0	-11	5	-1400.0	510.0	-25	13
-1500.0	180.0	-20	-7	-1450.0	330.0	-7	5	-1400.0	520.0	-27	11
-1500.0	190.0	-6	-6	-1450.0	340.0	-6	4	-1400.0	530.0	-25	10
-1500.0	200.0	1	-4	-1450.0	350.0	-6	0	-1400.0	540.0	-28	12
-1500.0	210.0	6	-2	-1450.0	360.0	-1	-2	-1400.0	550.0	-24	13
-1500.0	220.0	10	0	-1450.0	370.0	3	-3	-1400.0	560.0	-17	14
-1500.0	230.0	8	4	-1450.0	380.0	9	-1	-1400.0	570.0	-16	15
-1500.0	240.0	9	6	-1450.0	390.0	16	1	-1400.0	580.0	-13	16
-1500.0	250.0	1	10	-1450.0	400.0	17	3	-1400.0	590.0	-11	14
-1500.0	260.0	-15	11	-1450.0	410.0	21	7	-1400.0	600.0	-11	12
-1500.0	270.0	-21	7	-1450.0	420.0	8	6	-1350.0	0.0	27	-9
-1500.0	280.0	-17	7	-1450.0	430.0	0	5	-1350.0	10.0	41	-3
-1500.0	290.0	-18	5	-1450.0	440.0	-14	8	-1350.0	20.0	33	-2
-1500.0	300.0	-17	6	-1450.0	450.0	-31	11	-1350.0	30.0	0	-2
-1500.0	310.0	-13	4	-1450.0	460.0	-36	14	-1350.0	40.0	-9	0
-1500.0	320.0	-14	2	-1450.0	470.0	-34	19	-1350.0	50.0	-1	4
-1500.0	330.0	9	0	-1450.0	480.0	-28	20	-1350.0	60.0	5	4
-1500.0	340.0	-3	-1	-1450.0	490.0	-23	19	-1350.0	170.0	-21	2
-1500.0	350.0	1	-4	-1450.0	500.0	-24	17	-1350.0	180.0	-38	0
-1500.0	360.0	8	-5	-1450.0	510.0	-22	14	-1350.0	190.0	-33	1
-1500.0	370.0	13	-4	-1450.0	520.0	-19	13	-1350.0	200.0	-26	2
-1500.0	380.0	20	0	-1450.0	530.0	-15	16	-1350.0	210.0	-17	2
-1500.0	390.0	21	4	-1450.0	540.0	-12	16	-1350.0	220.0	-10	2
-1500.0	400.0	0	1	-1450.0	550.0	-10	16	-1350.0	230.0	-4	0
-1500.0	410.0	-26	4	-1450.0	560.0	-8	15	-1350.0	240.0	-1	1
-1500.0	420.0	-30	8	-1450.0	570.0	-6	15	-1350.0	250.0	5	3
-1500.0	430.0	-35	10	-1450.0	580.0	-3	13	-1350.0	260.0	8	3
-1500.0	440.0	-38	13	-1450.0	590.0	-6	9	-1350.0	270.0	11	5
-1500.0	450.0	-37	15	-1450.0	600.0	-14	4	-1350.0	280.0	9	6
-1500.0	460.0	-37	17	-1450.0	610.0	-12	0	-1350.0	290.0	4	5
-1500.0	470.0	-32	17	-1450.0	620.0	-15	0	-1350.0	300.0	-2	4
-1500.0	480.0	-24	16	-1400.0	0.0	9	-10	-1350.0	310.0	-9	3
-1500.0	490.0	-22	15	-1400.0	10.0	28	-4	-1350.0	320.0	-17	2
-1500.0	500.0	-19	16	-1400.0	20.0	22	-6	-1350.0	330.0	-18	2
-1500.0	510.0	-16	14	-1400.0	30.0	15	-8	-1350.0	340.0	-14	2
-1500.0	520.0	-13	13	-1400.0	40.0	16	-5	-1350.0	350.0	-13	1
-1500.0	530.0	-10	14	-1400.0	50.0	4	-4	-1350.0	360.0	-9	0
-1500.0	540.0	-5	12	-1400.0	120.0	0	4	-1350.0	370.0	-7	-1
-1500.0	550.0	-6	11	-1400.0	130.0	-7	5	-1350.0	380.0	-7	-3
-1500.0	560.0	-2	11	-1400.0	140.0	-6	6	-1350.0	390.0	-4	-5
-1500.0	570.0	0	11	-1400.0	150.0	0	5	-1350.0	400.0	-2	-7
-1500.0	580.0	-4	6	-1400.0	160.0	-5	4	-1350.0	410.0	0	-7
-1500.0	590.0	-10	1	-1400.0	170.0	-11	3	-1350.0	420.0	1	-6
-1500.0	600.0	-11	0	-1400.0	180.0	-26	0	-1350.0	430.0	3	-6
-1450.0	0.0	0	-9	-1400.0	190.0	-31	-2	-1350.0	440.0	3	-4
-1450.0	10.0	14	-4	-1400.0	200.0	-25	-3	-1350.0	450.0	3	-2
-1450.0	20.0	15	-3	-1400.0	210.0	-13	-3	-1350.0	460.0	5	0
-1450.0	30.0	8	-2	-1400.0	220.0	-7	-1	-1350.0	470.0	0	0
-1450.0	40.0	2	-3	-1400.0	230.0	3	0	-1350.0	480.0	-3	1
-1450.0	50.0	-5	-3	-1400.0	240.0	12	2	-1350.0	490.0	-4	3
-1450.0	60.0	-3	-4	-1400.0	250.0	17	4	-1350.0	500.0	-5	4
-1450.0	70.0	0	-7	-1400.0	260.0	20	8	-1350.0	510.0	-2	7
-1450.0	80.0	3	-6	-1400.0	270.0	8	7	-1350.0	520.0	-7	7
-1450.0	90.0	13	-4	-1400.0	280.0	-11	4	-1350.0	530.0	-7	7

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-1350.0	540.0	-7	8	-1250.0	70.0	13	-5	-1200.0	230.0	-13	11
-1350.0	550.0	-11	9	-1250.0	80.0	24	0	-1200.0	240.0	-2	12
-1350.0	560.0	-9	9	-1250.0	90.0	24	0	-1200.0	250.0	9	11
-1350.0	570.0	-9	10	-1250.0	100.0	8	0	-1200.0	260.0	18	12
-1350.0	580.0	-7	11	-1250.0	110.0	-9	1	-1200.0	270.0	26	8
-1350.0	590.0	-10	10	-1250.0	120.0	-24	-3	-1200.0	280.0	17	-2
-1350.0	600.0	-10	11	-1250.0	130.0	-9	1	-1200.0	290.0	19	-1
-1300.0	-10.0	14	-11	-1250.0	140.0	1	4	-1200.0	300.0	-1	1
-1300.0	0.0	24	-14	-1250.0	150.0	6	5	-1200.0	310.0	-22	1
-1300.0	10.0	30	-11	-1250.0	160.0	5	4	-1200.0	320.0	-26	-1
-1300.0	20.0	35	-7	-1250.0	170.0	4	3	-1200.0	330.0	-24	-2
-1300.0	30.0	21	-5	-1250.0	180.0	3	2	-1200.0	340.0	-16	1
-1300.0	40.0	1	-4	-1250.0	190.0	-7	3	-1200.0	350.0	-8	6
-1300.0	50.0	-1	-1	-1250.0	200.0	-27	2	-1200.0	360.0	-7	5
-1300.0	60.0	4	1	-1250.0	210.0	-24	6	-1200.0	370.0	-7	4
-1300.0	70.0	5	-2	-1250.0	220.0	-14	10	-1200.0	380.0	-10	5
-1300.0	80.0	6	-5	-1250.0	230.0	0	12	-1200.0	390.0	-10	4
-1300.0	90.0	12	0	-1250.0	240.0	12	13	-1200.0	400.0	-11	3
-1300.0	100.0	-12	-1	-1250.0	250.0	11	8	-1200.0	410.0	-13	3
-1300.0	110.0	-5	0	-1250.0	260.0	1	0	-1200.0	420.0	-10	3
-1300.0	120.0	6	2	-1250.0	270.0	-4	-1	-1200.0	430.0	-8	4
-1300.0	130.0	15	5	-1250.0	280.0	-16	1	-1200.0	440.0	-4	2
-1300.0	140.0	0	3	-1250.0	290.0	-27	-4	-1200.0	450.0	0	1
-1300.0	150.0	-11	1	-1250.0	300.0	-18	-12	-1200.0	460.0	0	1
-1300.0	160.0	2	1	-1250.0	310.0	-7	-7	-1200.0	470.0	3	0
-1300.0	170.0	1	3	-1250.0	320.0	0	0	-1200.0	480.0	2	0
-1300.0	180.0	-33	1	-1250.0	330.0	4	4	-1200.0	490.0	1	0
-1300.0	190.0	-39	4	-1250.0	340.0	1	7	-1200.0	500.0	0	0
-1300.0	200.0	-29	9	-1250.0	350.0	-4	5	-1200.0	510.0	0	0
-1300.0	210.0	-15	8	-1250.0	360.0	-12	4	-1200.0	520.0	0	0
-1300.0	220.0	-8	8	-1250.0	370.0	-18	3	-1200.0	530.0	0	-2
-1300.0	230.0	-1	11	-1250.0	380.0	-16	4	-1200.0	540.0	-2	-1
-1300.0	240.0	4	11	-1250.0	390.0	-7	6	-1200.0	550.0	-2	-2
-1300.0	250.0	-1	3	-1250.0	400.0	-7	4	-1200.0	560.0	-2	-2
-1300.0	260.0	-9	-6	-1250.0	410.0	-7	1	-1200.0	570.0	-3	0
-1300.0	270.0	-7	-5	-1250.0	420.0	-2	0	-1200.0	580.0	-2	-2
-1300.0	280.0	-2	-3	-1250.0	430.0	0	0	-1200.0	590.0	2	0
-1300.0	290.0	0	0	-1250.0	440.0	1	0	-1200.0	600.0	0	-1
-1300.0	300.0	6	4	-1250.0	450.0	5	0	-1150.0	0.0	-11	-10
-1300.0	310.0	1	5	-1250.0	460.0	5	0	-1150.0	10.0	-1	-7
-1300.0	320.0	6	8	-1250.0	470.0	5	0	-1150.0	20.0	4	-5
-1300.0	330.0	1	9	-1250.0	480.0	5	0	-1150.0	30.0	12	-4
-1300.0	340.0	-15	2	-1250.0	490.0	2	0	-1150.0	40.0	19	-8
-1300.0	350.0	-25	0	-1250.0	500.0	1	-2	-1150.0	50.0	22	-11
-1300.0	360.0	-18	3	-1250.0	510.0	0	-2	-1150.0	60.0	31	-10
-1300.0	370.0	-11	3	-1250.0	520.0	0	-2	-1150.0	70.0	35	-8
-1300.0	380.0	-10	3	-1250.0	530.0	-1	-3	-1150.0	80.0	24	-9
-1300.0	390.0	-8	1	-1250.0	540.0	-2	-2	-1150.0	90.0	9	-11
-1300.0	400.0	-6	0	-1250.0	550.0	-4	-3	-1150.0	100.0	9	-6
-1300.0	410.0	-1	-1	-1250.0	560.0	-1	-1	-1150.0	110.0	5	-4
-1300.0	420.0	1	-2	-1250.0	570.0	-1	0	-1150.0	120.0	2	-2
-1300.0	430.0	3	-3	-1250.0	580.0	-3	0	-1150.0	130.0	-1	-1
-1300.0	440.0	3	-5	-1250.0	590.0	0	2	-1150.0	140.0	-6	0
-1300.0	450.0	6	-5	-1250.0	600.0	0	3	-1150.0	150.0	-6	2
-1300.0	460.0	5	-5	-1200.0	0.0	9	-8	-1150.0	160.0	-11	4
-1300.0	470.0	4	-5	-1200.0	10.0	14	-11	-1150.0	170.0	-18	5
-1300.0	480.0	6	-3	-1200.0	20.0	20	-11	-1150.0	180.0	-20	10
-1300.0	490.0	7	-2	-1200.0	30.0	29	-7	-1150.0	190.0	-16	11
-1300.0	500.0	4	-2	-1200.0	40.0	38	-7	-1150.0	200.0	-41	6
-1300.0	510.0	3	-2	-1200.0	50.0	41	-5	-1150.0	210.0	-53	4
-1300.0	520.0	0	-2	-1200.0	60.0	37	-5	-1150.0	220.0	-55	6
-1300.0	530.0	3	-1	-1200.0	70.0	16	-8	-1150.0	230.0	-48	8
-1300.0	540.0	0	-1	-1200.0	80.0	6	-8	-1150.0	240.0	-35	10
-1300.0	550.0	-2	-1	-1200.0	90.0	10	-4	-1150.0	250.0	-23	10
-1300.0	560.0	-2	0	-1200.0	100.0	6	-3	-1150.0	260.0	-14	7
-1300.0	570.0	-4	2	-1200.0	110.0	4	-2	-1150.0	270.0	-5	5
-1300.0	580.0	-5	4	-1200.0	120.0	-4	-1	-1150.0	280.0	5	5
-1300.0	590.0	-3	6	-1200.0	130.0	-9	0	-1150.0	290.0	19	7
-1300.0	600.0	-3	8	-1200.0	140.0	-14	2	-1150.0	300.0	24	8
-1250.0	0.0	15	-12	-1200.0	150.0	-2	6	-1150.0	310.0	30	9
-1250.0	10.0	22	-11	-1200.0	160.0	2	9	-1150.0	320.0	27	9
-1250.0	20.0	30	-7	-1200.0	170.0	-6	9	-1150.0	330.0	25	9
-1250.0	30.0	33	-4	-1200.0	180.0	-21	10	-1150.0	340.0	11	7
-1250.0	40.0	26	-2	-1200.0	190.0	-26	9	-1150.0	350.0	-12	0
-1250.0	50.0	7	-11	-1200.0	200.0	-37	5	-1150.0	360.0	-16	0
-1250.0	60.0	5	-11	-1200.0	220.0	-30	9	-1150.0	370.0	-13	1

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-1150.0	380.0	-10	3	-1100.0	520.0	-2	0	-1000.0	20.0	1	12
-1150.0	390.0	-8	4	-1100.0	530.0	-2	0	-1000.0	30.0	-1	7
-1150.0	400.0	-11	5	-1100.0	540.0	0	0	-1000.0	40.0	-1	5
-1150.0	410.0	-9	3	-1100.0	550.0	-3	-1	-1000.0	50.0	0	2
-1150.0	420.0	-9	3	-1100.0	560.0	-4	0	-1000.0	60.0	-1	-2
-1150.0	430.0	-7	4	-1100.0	570.0	-3	-1	-1000.0	70.0	3	-1
-1150.0	440.0	-7	3	-1100.0	580.0	-5	-1	-1000.0	80.0	9	-1
-1150.0	450.0	-2	3	-1100.0	590.0	-6	-1	-1000.0	90.0	13	-1
-1150.0	460.0	-2	1	-1100.0	600.0	-8	-1	-1000.0	100.0	16	-3
-1150.0	470.0	-3	0	-1050.0	0.0	12	14	-1000.0	110.0	18	-5
-1150.0	480.0	-5	0	-1050.0	10.0	3	4	-1000.0	120.0	12	-5
-1150.0	490.0	-2	0	-1050.0	20.0	-13	-4	-1000.0	130.0	8	-4
-1150.0	500.0	-4	-1	-1050.0	30.0	-17	-7	-1000.0	140.0	5	-4
-1150.0	510.0	-4	-2	-1050.0	40.0	-12	-3	-1000.0	150.0	2	-3
-1150.0	520.0	-4	-2	-1050.0	50.0	1	0	-1000.0	160.0	10	-2
-1150.0	530.0	-5	-2	-1050.0	60.0	3	-5	-1000.0	170.0	8	-2
-1150.0	540.0	-5	-1	-1050.0	70.0	8	-10	-1000.0	180.0	3	-4
-1150.0	550.0	-4	-1	-1050.0	80.0	19	-7	-1000.0	190.0	7	-3
-1150.0	560.0	-8	-1	-1050.0	90.0	29	-4	-1000.0	200.0	10	0
-1150.0	570.0	-7	-2	-1050.0	100.0	28	-5	-1000.0	210.0	1	2
-1150.0	580.0	-4	0	-1050.0	110.0	11	-7	-1000.0	220.0	-5	2
-1150.0	590.0	-5	0	-1050.0	120.0	-1	-7	-1000.0	230.0	-7	3
-1150.0	600.0	-3	0	-1050.0	130.0	0	-3	-1000.0	240.0	-5	3
-1100.0	-10.0	2	2	-1050.0	140.0	7	0	-1000.0	250.0	-3	4
-1100.0	0.0	-2	-3	-1050.0	150.0	0	-6	-1000.0	260.0	-4	4
-1100.0	10.0	-14	-11	-1050.0	160.0	3	-8	-1000.0	270.0	-5	4
-1100.0	20.0	-14	-13	-1050.0	170.0	12	-6	-1000.0	280.0	-5	6
-1100.0	30.0	-10	-8	-1050.0	180.0	15	-5	-1000.0	290.0	-8	6
-1100.0	40.0	-4	-9	-1050.0	190.0	16	-6	-1000.0	300.0	-6	6
-1100.0	50.0	6	-9	-1050.0	200.0	11	-3	-1000.0	310.0	-5	6
-1100.0	60.0	18	-8	-1050.0	210.0	10	-1	-1000.0	320.0	-3	5
-1100.0	70.0	28	-8	-1050.0	220.0	5	0	-1000.0	330.0	1	4
-1100.0	80.0	31	-8	-1050.0	230.0	4	1	-1000.0	340.0	0	2
-1100.0	90.0	34	-9	-1050.0	240.0	-5	2	-1000.0	350.0	0	1
-1100.0	100.0	32	-9	-1050.0	250.0	-14	3	-1000.0	360.0	1	0
-1100.0	110.0	16	-8	-1050.0	260.0	-13	4	-1000.0	370.0	1	0
-1100.0	120.0	5	-8	-1050.0	270.0	-12	5	-1000.0	380.0	0	-1
-1100.0	130.0	6	-8	-1050.0	280.0	-10	5	-1000.0	390.0	-4	-2
-1100.0	140.0	15	-4	-1050.0	290.0	-14	6	-1000.0	400.0	-4	-2
-1100.0	150.0	14	-5	-1050.0	300.0	-10	6	-1000.0	410.0	-4	-2
-1100.0	160.0	13	-5	-1050.0	310.0	-7	4	-1000.0	420.0	-8	-3
-1100.0	170.0	6	-3	-1050.0	320.0	-4	4	-1000.0	430.0	-7	-2
-1100.0	180.0	1	0	-1050.0	330.0	0	3	-1000.0	440.0	-7	-1
-1100.0	190.0	0	4	-1050.0	340.0	0	2	-1000.0	450.0	-7	-1
-1100.0	200.0	-15	5	-1050.0	350.0	2	1	-1000.0	460.0	-6	0
-1100.0	210.0	-16	8	-1050.0	360.0	0	1	-1000.0	470.0	-3	0
-1100.0	220.0	-11	11	-1050.0	370.0	0	0	-1000.0	480.0	-4	0
-1100.0	230.0	-10	12	-1050.0	380.0	0	0	-1000.0	490.0	-3	0
-1100.0	240.0	-18	9	-1050.0	390.0	0	0	-1000.0	500.0	-2	0
-1100.0	250.0	-30	7	-1050.0	400.0	0	0	-1000.0	510.0	-3	0
-1100.0	260.0	-35	4	-1050.0	410.0	-2	0	-1000.0	520.0	-3	0
-1100.0	270.0	-31	4	-1050.0	420.0	-4	0	-1000.0	530.0	-3	0
-1100.0	280.0	-21	4	-1050.0	430.0	-5	0	-1000.0	540.0	-3	0
-1100.0	290.0	-13	5	-1050.0	440.0	-3	0	-1000.0	550.0	-2	0
-1100.0	300.0	-5	4	-1050.0	450.0	-3	1	-1000.0	560.0	-4	0
-1100.0	310.0	0	5	-1050.0	460.0	-5	1	-1000.0	570.0	-4	0
-1100.0	320.0	6	6	-1050.0	470.0	-1	1	-1000.0	580.0	-4	1
-1100.0	330.0	10	6	-1050.0	480.0	-1	1	-1000.0	590.0	-3	0
-1100.0	340.0	8	4	-1050.0	490.0	-2	0	-1000.0	600.0	-2	0
-1100.0	350.0	6	4	-1050.0	500.0	-3	0	-950.0	0.0	-19	0
-1100.0	360.0	2	3	-1050.0	510.0	-2	0	-950.0	10.0	-24	1
-1100.0	370.0	-1	3	-1050.0	520.0	-2	0	-950.0	20.0	-20	3
-1100.0	380.0	-1	2	-1050.0	530.0	0	1	-950.0	30.0	-18	4
-1100.0	390.0	0	2	-1050.0	540.0	-2	0	-950.0	40.0	-16	4
-1100.0	400.0	-5	1	-1050.0	550.0	-2	0	-950.0	50.0	-9	5
-1100.0	410.0	-3	1	-1050.0	560.0	0	0	-950.0	60.0	-5	5
-1100.0	420.0	-2	2	-1050.0	570.0	0	0	-950.0	70.0	-2	2
-1100.0	430.0	-4	1	-1050.0	580.0	0	0	-950.0	80.0	-1	1
-1100.0	440.0	0	3	-1050.0	590.0	-2	0	-950.0	90.0	5	2
-1100.0	450.0	-2	3	-1050.0	600.0	-5	0	-950.0	100.0	6	0
-1100.0	460.0	-4	2	-1000.0	-40.0	-14	4	-950.0	110.0	9	-1
-1100.0	470.0	-3	1	-1000.0	-30.0	-14	5	-950.0	120.0	13	-1
-1100.0	480.0	-4	0	-1000.0	-20.0	-15	5	-950.0	130.0	13	-2
-1100.0	490.0	-3	0	-1000.0	-10.0	-14	6	-950.0	140.0	11	-2
-1100.0	500.0	-1	0	-1000.0	0.0	-13	8	-950.0	150.0	11	-3
-1100.0	510.0	-1	0	-1000.0	10.0	-8	13	-950.0	160.0	9	-2

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-950.0	170.0	4	-2	-900.0	320.0	3	2	-850.0	470.0	0	-1
-950.0	180.0	0	-1	-900.0	330.0	1	2	-850.0	480.0	-1	-1
-950.0	190.0	0	0	-900.0	340.0	0	2	-850.0	490.0	-3	-1
-950.0	200.0	-3	1	-900.0	350.0	0	1	-850.0	500.0	-2	-1
-950.0	210.0	-2	2	-900.0	360.0	0	1	-850.0	510.0	-3	0
-950.0	220.0	-1	4	-900.0	370.0	0	0	-850.0	520.0	-4	-1
-950.0	230.0	-1	5	-900.0	380.0	-3	0	-850.0	530.0	-7	-1
-950.0	240.0	-5	5	-900.0	390.0	0	0	-850.0	540.0	-4	-1
-950.0	250.0	-4	6	-900.0	400.0	-1	-1	-850.0	550.0	-5	-1
-950.0	260.0	-1	6	-900.0	410.0	0	-1	-850.0	560.0	-2	-1
-950.0	270.0	0	7	-900.0	420.0	2	-1	-850.0	570.0	-6	-1
-950.0	280.0	-3	7	-900.0	430.0	0	-1	-850.0	580.0	-3	0
-950.0	290.0	-2	6	-900.0	440.0	0	-1	-850.0	590.0	-3	0
-950.0	300.0	-2	7	-900.0	450.0	-2	-1	-850.0	600.0	-4	0
-950.0	310.0	0	6	-900.0	460.0	-3	-1	-850.0	610.0	-4	0
-950.0	320.0	0	5	-900.0	470.0	-2	-1	-850.0	620.0	-3	0
-950.0	330.0	0	4	-900.0	480.0	-4	-1	-800.0	0.0	-2	-3
-950.0	340.0	0	4	-900.0	490.0	-1	0	-800.0	10.0	-3	-4
-950.0	350.0	0	1	-900.0	500.0	-5	0	-800.0	20.0	-4	-4
-950.0	360.0	1	1	-900.0	510.0	-4	0	-800.0	30.0	-6	-4
-950.0	370.0	2	0	-900.0	520.0	-6	0	-800.0	40.0	-4	-5
-950.0	380.0	1	0	-900.0	530.0	-4	0	-800.0	50.0	-3	-4
-950.0	390.0	-1	0	-900.0	540.0	-5	0	-800.0	60.0	-3	-3
-950.0	400.0	-1	-1	-900.0	550.0	-5	0	-800.0	70.0	0	-2
-950.0	410.0	0	-2	-900.0	560.0	-3	0	-800.0	80.0	1	-2
-950.0	420.0	-3	-2	-900.0	570.0	-4	0	-800.0	90.0	0	-2
-950.0	430.0	-5	-3	-900.0	580.0	-2	0	-800.0	100.0	3	-1
-950.0	440.0	-2	-2	-900.0	590.0	0	1	-800.0	110.0	3	-1
-950.0	450.0	-4	-1	-900.0	600.0	-3	0	-800.0	120.0	3	1
-950.0	460.0	-3	-1	-850.0	0.0	0	-6	-800.0	130.0	5	2
-950.0	470.0	-2	-1	-850.0	10.0	-1	-6	-800.0	140.0	6	2
-950.0	480.0	-5	0	-850.0	20.0	-1	-6	-800.0	150.0	3	0
-950.0	490.0	-6	0	-850.0	30.0	-1	-5	-800.0	160.0	1	-4
-950.0	500.0	-5	0	-850.0	40.0	0	-5	-800.0	170.0	1	-5
-950.0	510.0	-5	0	-850.0	50.0	0	-5	-800.0	180.0	-1	-6
-950.0	520.0	-5	0	-850.0	60.0	0	-4	-800.0	190.0	-2	-7
-950.0	530.0	-4	1	-850.0	70.0	0	-4	-800.0	200.0	-1	-6
-950.0	540.0	-3	0	-850.0	80.0	-1	-3	-800.0	210.0	0	-5
-950.0	550.0	-3	0	-850.0	90.0	-3	-4	-800.0	220.0	1	-2
-950.0	560.0	-2	0	-850.0	100.0	-2	-4	-800.0	230.0	4	-2
-950.0	570.0	-4	0	-850.0	110.0	1	-3	-800.0	240.0	0	-3
-950.0	580.0	-2	0	-850.0	120.0	2	-1	-800.0	250.0	1	-3
-950.0	590.0	-4	0	-850.0	130.0	4	0	-800.0	260.0	0	-2
-950.0	600.0	-3	0	-850.0	140.0	3	0	-800.0	270.0	3	-2
-900.0	0.0	4	-4	-850.0	150.0	3	-1	-800.0	280.0	3	-2
-900.0	10.0	1	-4	-850.0	160.0	-1	-5	-800.0	290.0	0	-2
-900.0	20.0	3	-3	-850.0	170.0	0	-6	-800.0	300.0	3	0
-900.0	30.0	1	-4	-850.0	180.0	0	-6	-800.0	310.0	3	0
-900.0	40.0	-7	-2	-850.0	190.0	0	-5	-800.0	320.0	5	1
-900.0	50.0	-11	0	-850.0	200.0	0	-4	-800.0	330.0	3	0
-900.0	60.0	-9	1	-850.0	210.0	0	-3	-800.0	340.0	2	0
-900.0	70.0	-10	1	-850.0	220.0	3	-1	-800.0	350.0	4	0
-900.0	80.0	-9	2	-850.0	230.0	0	0	-800.0	360.0	2	-1
-900.0	90.0	-4	4	-850.0	240.0	0	0	-800.0	370.0	2	-1
-900.0	100.0	0	2	-850.0	250.0	0	0	-800.0	380.0	1	-2
-900.0	110.0	2	0	-850.0	260.0	0	0	-800.0	390.0	0	-1
-900.0	120.0	4	-1	-850.0	270.0	0	0	-800.0	400.0	0	-2
-900.0	130.0	9	-3	-850.0	280.0	-1	0	-800.0	410.0	0	-2
-900.0	140.0	6	-3	-850.0	290.0	0	0	-800.0	420.0	0	-2
-900.0	150.0	6	-4	-850.0	300.0	0	1	-800.0	430.0	-3	-2
-900.0	160.0	6	-5	-850.0	310.0	1	0	-800.0	440.0	-1	-1
-900.0	170.0	6	-3	-850.0	320.0	1	0	-800.0	450.0	0	-1
-900.0	180.0	1	-2	-850.0	330.0	1	0	-800.0	460.0	-2	-1
-900.0	190.0	3	-1	-850.0	340.0	0	0	-800.0	470.0	0	-1
-900.0	200.0	2	0	-850.0	350.0	-1	0	-800.0	480.0	0	-1
-900.0	210.0	0	0	-850.0	360.0	0	0	-800.0	490.0	-1	-1
-900.0	220.0	0	0	-850.0	370.0	2	0	-800.0	500.0	-1	-1
-900.0	230.0	0	1	-850.0	380.0	-1	-1	-800.0	510.0	-2	-1
-900.0	240.0	0	1	-850.0	390.0	-1	-1	-800.0	520.0	-3	-2
-900.0	250.0	0	2	-850.0	400.0	-1	-1	-800.0	530.0	-4	-1
-900.0	260.0	-2	2	-850.0	410.0	-3	-1	-800.0	540.0	-5	-1
-900.0	270.0	-1	3	-850.0	420.0	-1	-1	-800.0	550.0	-2	-1
-900.0	280.0	-2	3	-850.0	430.0	0	-2	-800.0	560.0	-3	-1
-900.0	290.0	1	3	-850.0	440.0	-2	-1	-800.0	570.0	0	-1
-900.0	300.0	1	3	-850.0	450.0	0	-1	-800.0	580.0	-2	-1
-900.0	310.0	1	2	-850.0	460.0	-1	-1	-800.0	590.0	-1	0

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-800.0	600.0	0	1	-700.0	140.0	7	4	-650.0	290.0	9	2
-750.0	0.0	-1	0	-700.0	150.0	9	3	-650.0	300.0	10	3
-750.0	10.0	-1	0	-700.0	160.0	6	3	-650.0	310.0	9	3
-750.0	20.0	-5	0	-700.0	170.0	9	3	-650.0	320.0	10	3
-750.0	30.0	-3	-1	-700.0	180.0	7	3	-650.0	330.0	12	5
-750.0	40.0	-3	-1	-700.0	190.0	7	4	-650.0	340.0	12	6
-750.0	50.0	0	-1	-700.0	200.0	7	3	-650.0	350.0	12	7
-750.0	60.0	-1	-1	-700.0	210.0	9	3	-650.0	360.0	11	7
-750.0	70.0	-1	-2	-700.0	220.0	11	4	-650.0	370.0	13	7
-750.0	80.0	-3	-3	-700.0	230.0	12	5	-650.0	380.0	12	6
-750.0	90.0	1	0	-700.0	240.0	11	5	-650.0	390.0	14	7
-750.0	100.0	5	2	-700.0	250.0	11	5	-650.0	400.0	11	6
-750.0	110.0	5	1	-700.0	260.0	12	4	-650.0	410.0	13	7
-750.0	120.0	7	1	-700.0	270.0	12	3	-650.0	420.0	10	6
-750.0	130.0	7	2	-700.0	280.0	11	3	-650.0	430.0	9	5
-750.0	140.0	6	4	-700.0	290.0	15	5	-650.0	440.0	8	2
-750.0	150.0	7	3	-700.0	300.0	16	8	-650.0	450.0	7	1
-750.0	160.0	5	1	-700.0	310.0	14	9	-650.0	460.0	6	0
-750.0	170.0	6	0	-700.0	320.0	14	6	-650.0	470.0	7	0
-750.0	180.0	2	0	-700.0	330.0	10	5	-650.0	480.0	4	-1
-750.0	190.0	5	0	-700.0	340.0	9	4	-650.0	490.0	5	0
-750.0	200.0	1	-1	-700.0	350.0	8	2	-650.0	500.0	3	0
-750.0	210.0	3	-1	-700.0	360.0	7	2	-650.0	510.0	5	0
-750.0	220.0	6	0	-700.0	370.0	7	0	-650.0	520.0	4	0
-750.0	230.0	6	0	-700.0	380.0	7	0	-650.0	530.0	2	0
-750.0	240.0	5	-1	-700.0	390.0	6	0	-650.0	540.0	1	0
-750.0	250.0	3	-1	-700.0	400.0	5	0	-650.0	550.0	2	0
-750.0	260.0	3	-1	-700.0	410.0	5	0	-650.0	560.0	1	0
-750.0	270.0	5	-2	-700.0	420.0	4	0	-650.0	570.0	2	0
-750.0	280.0	5	0	-700.0	430.0	3	-1	-650.0	580.0	4	0
-750.0	290.0	7	0	-700.0	440.0	3	-1	-650.0	590.0	2	0
-750.0	300.0	11	2	-700.0	450.0	2	-1	-650.0	600.0	1	-1
-750.0	310.0	13	6	-700.0	460.0	2	-1	-600.0	0.0	-5	1
-750.0	320.0	11	6	-700.0	470.0	0	-1	-600.0	10.0	-7	0
-750.0	330.0	10	2	-700.0	480.0	1	-1	-600.0	20.0	-7	-1
-750.0	340.0	7	0	-700.0	490.0	0	-1	-600.0	30.0	-7	0
-750.0	350.0	4	0	-700.0	500.0	-1	-2	-600.0	40.0	-5	-1
-750.0	360.0	5	0	-700.0	510.0	-2	-3	-600.0	50.0	-5	0
-750.0	370.0	5	0	-700.0	520.0	-1	-3	-600.0	60.0	-4	0
-750.0	380.0	3	-1	-700.0	530.0	0	0	-600.0	70.0	-3	0
-750.0	390.0	2	-2	-700.0	540.0	0	0	-600.0	80.0	0	0
-750.0	400.0	3	-1	-700.0	550.0	-1	0	-600.0	90.0	0	0
-750.0	410.0	4	-2	-700.0	560.0	0	1	-600.0	100.0	-3	1
-750.0	420.0	0	-2	-700.0	570.0	1	1	-600.0	110.0	-3	1
-750.0	430.0	2	-2	-700.0	580.0	1	1	-600.0	120.0	-2	1
-750.0	440.0	0	-2	-700.0	590.0	-1	0	-600.0	130.0	-2	2
-750.0	450.0	-1	-1	-700.0	600.0	0	0	-600.0	140.0	-2	2
-750.0	460.0	0	-1	-650.0	0.0	-4	0	-600.0	150.0	-3	2
-750.0	470.0	0	-2	-650.0	10.0	-6	-1	-600.0	160.0	-3	2
-750.0	480.0	0	-2	-650.0	20.0	-7	-2	-600.0	170.0	-2	3
-750.0	490.0	0	-2	-650.0	30.0	-5	-3	-600.0	180.0	-4	2
-750.0	500.0	-4	-2	-650.0	40.0	-5	-2	-600.0	190.0	-2	2
-750.0	510.0	-1	-2	-650.0	50.0	-5	-2	-600.0	200.0	0	2
-750.0	520.0	-2	-2	-650.0	60.0	-4	-1	-600.0	210.0	1	2
-750.0	530.0	-5	-2	-650.0	70.0	-4	-1	-600.0	220.0	0	1
-750.0	540.0	-2	-2	-650.0	80.0	-3	-1	-600.0	230.0	2	1
-750.0	550.0	-1	-1	-650.0	90.0	-5	0	-600.0	240.0	1	1
-750.0	560.0	0	-1	-650.0	100.0	-1	0	-600.0	250.0	1	0
-750.0	570.0	0	0	-650.0	110.0	-1	2	-600.0	260.0	5	1
-750.0	580.0	0	0	-650.0	120.0	0	2	-600.0	270.0	2	1
-750.0	590.0	0	1	-650.0	130.0	0	4	-600.0	280.0	3	1
-750.0	600.0	1	1	-650.0	140.0	1	4	-600.0	290.0	4	1
-700.0	0.0	-5	0	-650.0	150.0	1	5	-600.0	300.0	3	0
-700.0	10.0	-4	0	-650.0	160.0	0	3	-600.0	310.0	4	0
-700.0	20.0	-1	0	-650.0	170.0	-1	3	-600.0	320.0	5	0
-700.0	30.0	-5	-1	-650.0	180.0	2	3	-600.0	330.0	1	1
-700.0	40.0	-6	-2	-650.0	190.0	2	2	-600.0	340.0	4	1
-700.0	50.0	-5	-4	-650.0	200.0	0	1	-600.0	350.0	3	0
-700.0	60.0	-5	-3	-650.0	210.0	2	1	-600.0	360.0	5	1
-700.0	70.0	-2	-1	-650.0	220.0	0	1	-600.0	370.0	5	1
-700.0	80.0	1	0	-650.0	230.0	2	0	-600.0	380.0	4	1
-700.0	90.0	1	1	-650.0	240.0	2	0	-600.0	390.0	4	1
-700.0	100.0	6	6	-650.0	250.0	5	2	-600.0	400.0	8	1
-700.0	110.0	7	7	-650.0	260.0	4	1	-600.0	410.0	6	1
-700.0	120.0	6	4	-650.0	270.0	5	3	-600.0	420.0	3	1
-700.0	130.0	4	3	-650.0	280.0	9	2	-600.0	430.0	4	0

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-600.0	440.0	5	0	-550.0	590.0	6	2	-450.0	130.0	1	3
-600.0	450.0	3	0	-550.0	600.0	7	1	-450.0	140.0	6	4
-600.0	460.0	3	0	-500.0	0.0	-9	-6	-450.0	150.0	1	3
-600.0	470.0	5	0	-500.0	10.0	-9	-5	-450.0	160.0	-2	0
-600.0	480.0	3	0	-500.0	20.0	-8	-5	-450.0	170.0	1	1
-600.0	490.0	4	0	-500.0	30.0	-6	-1	-450.0	180.0	2	0
-600.0	500.0	5	0	-500.0	40.0	-4	-2	-450.0	190.0	2	0
-600.0	510.0	3	1	-500.0	50.0	-5	-1	-450.0	200.0	8	0
-600.0	520.0	2	0	-500.0	60.0	-4	-1	-450.0	210.0	4	2
-600.0	530.0	2	0	-500.0	70.0	-3	1	-450.0	220.0	6	1
-600.0	540.0	3	0	-500.0	80.0	-7	4	-450.0	230.0	6	2
-600.0	550.0	0	0	-500.0	90.0	-5	3	-450.0	240.0	6	3
-600.0	560.0	2	0	-500.0	100.0	-7	5	-450.0	250.0	6	3
-600.0	570.0	0	0	-500.0	110.0	-9	4	-450.0	260.0	4	3
-600.0	580.0	1	0	-500.0	120.0	-2	4	-450.0	270.0	7	2
-600.0	590.0	2	0	-500.0	130.0	-5	4	-450.0	280.0	5	2
-600.0	600.0	0	0	-500.0	140.0	-2	2	-450.0	290.0	2	0
-550.0	0.0	-22	-12	-500.0	150.0	-6	2	-450.0	300.0	3	-1
-550.0	10.0	-19	-9	-500.0	160.0	-3	1	-450.0	310.0	7	0
-550.0	20.0	-19	-9	-500.0	170.0	0	1	-450.0	320.0	8	0
-550.0	30.0	-12	-7	-500.0	180.0	-1	0	-450.0	330.0	4	1
-550.0	40.0	-11	-5	-500.0	190.0	0	1	-450.0	340.0	7	3
-550.0	50.0	-10	-6	-500.0	200.0	-1	1	-450.0	350.0	2	2
-550.0	60.0	-12	-6	-500.0	210.0	0	0	-450.0	360.0	4	1
-550.0	70.0	-6	-4	-500.0	220.0	0	0	-450.0	370.0	3	0
-550.0	80.0	-7	-3	-500.0	230.0	2	0	-450.0	380.0	5	2
-550.0	90.0	-8	0	-500.0	240.0	0	0	-450.0	390.0	2	2
-550.0	100.0	-8	2	-500.0	250.0	0	-1	-450.0	400.0	1	0
-550.0	110.0	-8	0	-500.0	260.0	2	0	-450.0	410.0	5	2
-550.0	120.0	-12	2	-500.0	270.0	1	0	-450.0	420.0	5	2
-550.0	130.0	-8	3	-500.0	280.0	3	0	-450.0	430.0	5	4
-550.0	140.0	-6	3	-500.0	290.0	2	0	-450.0	440.0	9	5
-550.0	150.0	-6	0	-500.0	300.0	1	0	-450.0	450.0	12	7
-550.0	160.0	-4	0	-500.0	310.0	1	0	-450.0	460.0	9	6
-550.0	170.0	-4	1	-500.0	320.0	1	-3	-450.0	470.0	10	5
-550.0	180.0	-3	0	-500.0	330.0	0	-1	-450.0	480.0	8	4
-550.0	190.0	-4	1	-500.0	340.0	0	-1	-450.0	490.0	9	3
-550.0	200.0	-2	1	-500.0	350.0	2	0	-450.0	500.0	9	6
-550.0	210.0	-1	1	-500.0	360.0	4	0	-450.0	510.0	9	6
-550.0	220.0	-1	0	-500.0	370.0	0	-2	-450.0	520.0	11	8
-550.0	230.0	-2	-1	-500.0	380.0	0	0	-450.0	530.0	13	9
-550.0	240.0	0	1	-500.0	390.0	-1	-1	-450.0	540.0	13	7
-550.0	250.0	-1	0	-500.0	400.0	-3	0	-450.0	550.0	17	10
-550.0	260.0	0	1	-500.0	410.0	-4	-1	-450.0	560.0	16	11
-550.0	270.0	0	0	-500.0	420.0	-1	0	-450.0	570.0	18	13
-550.0	280.0	1	0	-500.0	430.0	-1	-1	-450.0	580.0	18	11
-550.0	290.0	1	0	-500.0	440.0	0	-1	-450.0	590.0	18	10
-550.0	300.0	1	0	-500.0	450.0	0	-2	-450.0	600.0	17	8
-550.0	310.0	4	0	-500.0	460.0	1	0	-400.0	0.0	3	-4
-550.0	320.0	1	0	-500.0	470.0	3	0	-400.0	10.0	5	0
-550.0	330.0	0	-1	-500.0	480.0	2	0	-400.0	20.0	2	0
-550.0	340.0	-1	-2	-500.0	490.0	4	0	-400.0	30.0	8	4
-550.0	350.0	2	0	-500.0	500.0	6	1	-400.0	40.0	7	8
-550.0	360.0	0	-1	-500.0	510.0	4	2	-400.0	50.0	10	13
-550.0	370.0	0	-2	-500.0	520.0	6	0	-400.0	60.0	10	17
-550.0	380.0	0	-2	-500.0	530.0	5	0	-400.0	70.0	9	12
-550.0	390.0	0	-1	-500.0	540.0	9	0	-400.0	80.0	7	9
-550.0	400.0	3	-1	-500.0	550.0	10	0	-400.0	90.0	5	5
-550.0	410.0	1	-2	-500.0	560.0	9	1	-400.0	100.0	4	2
-550.0	420.0	-1	-1	-500.0	570.0	10	2	-400.0	110.0	4	3
-550.0	430.0	-2	0	-500.0	580.0	12	2	-400.0	120.0	2	1
-550.0	440.0	-3	-1	-500.0	590.0	13	4	-400.0	130.0	6	0
-550.0	450.0	-3	0	-500.0	600.0	13	5	-400.0	140.0	6	1
-550.0	460.0	0	-1	-450.0	0.0	-3	-4	-400.0	150.0	5	0
-550.0	470.0	0	-3	-450.0	10.0	-5	-5	-400.0	160.0	5	0
-550.0	480.0	-1	-1	-450.0	20.0	-2	-2	-400.0	170.0	2	-1
-550.0	490.0	-2	-1	-450.0	30.0	-3	-1	-400.0	180.0	4	0
-550.0	500.0	0	0	-450.0	40.0	0	-1	-400.0	190.0	3	0
-550.0	510.0	-3	-1	-450.0	50.0	3	1	-400.0	200.0	8	-1
-550.0	520.0	0	0	-450.0	60.0	6	4	-400.0	210.0	3	-1
-550.0	530.0	-1	0	-450.0	70.0	9	5	-400.0	220.0	4	-1
-550.0	540.0	0	1	-450.0	80.0	6	13	-400.0	230.0	4	-2
-550.0	550.0	0	-1	-450.0	90.0	7	11	-400.0	240.0	5	0
-550.0	560.0	0	0	-450.0	100.0	5	11	-400.0	250.0	2	0
-550.0	570.0	2	0	-450.0	110.0	4	8	-400.0	260.0	3	0
-550.0	580.0	3	2	-450.0	120.0	4	5	-400.0	270.0	4	-2

X(East)	Y(North)	In Ph	Quad
-400.0	280.0	6	-1
-400.0	290.0	8	0
-400.0	300.0	8	0
-400.0	310.0	7	0
-400.0	320.0	9	1
-400.0	330.0	12	4
-400.0	340.0	14	6
-400.0	350.0	15	6
-400.0	360.0	12	5
-400.0	370.0	12	2
-400.0	380.0	6	3
-400.0	390.0	6	4
-400.0	400.0	9	6
-400.0	410.0	6	5
-400.0	420.0	12	5
-400.0	430.0	6	2
-400.0	440.0	10	1
-400.0	450.0	9	2
-400.0	460.0	9	0
-400.0	470.0	8	1
-400.0	480.0	10	1
-400.0	490.0	14	2
-400.0	500.0	11	1
-400.0	510.0	13	1
-400.0	520.0	10	2
-400.0	530.0	15	2
-400.0	540.0	8	0
-400.0	550.0	9	0
-400.0	560.0	9	0
-400.0	570.0	11	2
-400.0	580.0	9	0
-400.0	590.0	8	0
-400.0	600.0	9	1
-350.0	0.0	6	2
-350.0	10.0	9	3
-350.0	20.0	8	5
-350.0	30.0	7	7
-350.0	40.0	5	5
-350.0	50.0	9	8
-350.0	60.0	9	12
-350.0	70.0	12	12
-350.0	80.0	15	12
-350.0	90.0	11	9
-350.0	100.0	4	0
-350.0	110.0	4	0
-350.0	120.0	3	-3
-350.0	130.0	6	-2
-350.0	140.0	8	-1
-350.0	150.0	5	-2
-350.0	160.0	3	-5
-350.0	170.0	5	-2
-350.0	180.0	0	-5
-350.0	190.0	6	-3
-350.0	200.0	0	-1
-350.0	210.0	3	0
-350.0	220.0	6	-1
-350.0	230.0	8	0
-350.0	240.0	10	-2
-350.0	250.0	9	0
-350.0	260.0	8	2
-350.0	270.0	10	3
-350.0	280.0	10	2
-350.0	290.0	8	0
-350.0	300.0	10	2
-350.0	310.0	8	1
-350.0	320.0	11	1
-350.0	330.0	8	0
-350.0	340.0	10	0
-350.0	350.0	9	0
-350.0	360.0	9	1
-350.0	370.0	9	0
-350.0	380.0	7	0
-350.0	390.0	7	-1
-350.0	400.0	7	-1
-350.0	410.0	7	-1
-350.0	420.0	8	-2
-350.0	430.0	7	-1
-350.0	440.0	8	0
-350.0	450.0	13	0
-350.0	460.0	11	0
-350.0	470.0	12	0
-350.0	480.0	11	0
-350.0	490.0	11	-1
-350.0	500.0	10	0
-350.0	510.0	12	1
-350.0	520.0	10	0
-350.0	530.0	8	-1
-350.0	540.0	8	0
-350.0	550.0	11	0
-350.0	560.0	7	-1
-350.0	570.0	6	0
-350.0	580.0	7	-2
-350.0	590.0	7	1
-350.0	600.0	7	0
-300.0	0.0	4	3
-300.0	10.0	7	7
-300.0	20.0	5	10
-300.0	30.0	4	6
-300.0	40.0	8	7
-300.0	50.0	8	9
-300.0	60.0	8	6
-300.0	70.0	7	5
-300.0	80.0	7	2
-300.0	90.0	6	0
-300.0	100.0	4	0
-300.0	110.0	8	-1
-300.0	120.0	6	0
-300.0	130.0	6	-1
-300.0	140.0	9	0
-300.0	150.0	5	0
-300.0	160.0	7	0
-300.0	170.0	4	-2
-300.0	180.0	6	-1
-300.0	190.0	6	-2
-300.0	200.0	9	-1
-300.0	210.0	9	-1
-300.0	220.0	8	0
-300.0	230.0	8	0
-300.0	240.0	7	0
-300.0	250.0	6	0
-300.0	260.0	6	0
-300.0	270.0	7	0
-300.0	280.0	6	-1
-300.0	290.0	5	0
-300.0	300.0	8	0
-300.0	310.0	9	0
-300.0	320.0	9	-1
-300.0	330.0	13	0
-300.0	340.0	12	1
-300.0	350.0	9	1
-300.0	360.0	7	1
-300.0	370.0	7	0
-300.0	380.0	6	0
-300.0	390.0	5	-1
-300.0	400.0	5	-2
-300.0	410.0	3	-2
-300.0	420.0	10	0
-300.0	430.0	11	-1
-300.0	440.0	12	0
-300.0	450.0	13	-1
-300.0	460.0	14	-1
-300.0	470.0	10	-2
-300.0	480.0	11	0
-300.0	490.0	11	0
-300.0	500.0	12	-1
-300.0	510.0	10	0
-300.0	520.0	12	-1
-300.0	530.0	9	0
-300.0	540.0	10	1
-300.0	550.0	10	0
-300.0	560.0	8	0
-300.0	570.0	11	0
-300.0	580.0	12	0
-300.0	590.0	12	0
-300.0	600.0	8	1
-250.0	0.0	7	5
-250.0	10.0	4	4
-250.0	20.0	3	3
-250.0	30.0	5	3
-250.0	40.0	6	5
-250.0	50.0	6	4
-250.0	60.0	7	3
-250.0	70.0	5	3
-250.0	80.0	6	3
-250.0	90.0	5	3
-250.0	100.0	6	2
-250.0	110.0	6	2
-250.0	120.0	8	3
-250.0	130.0	5	2
-250.0	140.0	4	2
-250.0	150.0	3	2
-250.0	160.0	2	1
-250.0	170.0	4	2
-250.0	180.0	4	2
-250.0	190.0	2	0
-250.0	200.0	0	0
-250.0	210.0	1	1
-250.0	220.0	0	1
-250.0	230.0	5	1
-250.0	240.0	1	0
-250.0	250.0	3	1
-250.0	260.0	4	2
-250.0	270.0	3	1
-250.0	280.0	6	1
-250.0	290.0	4	1
-250.0	300.0	6	2
-250.0	310.0	5	1
-250.0	320.0	5	0
-250.0	330.0	4	1
-250.0	340.0	3	0
-250.0	350.0	1	1
-250.0	360.0	2	2
-250.0	370.0	2	3
-250.0	380.0	6	5
-250.0	390.0	4	4
-250.0	400.0	7	4
-250.0	410.0	4	3
-250.0	420.0	3	0
-250.0	430.0	4	0
-250.0	440.0	5	0
-250.0	450.0	5	0
-250.0	460.0	7	0
-250.0	470.0	4	0
-250.0	480.0	2	0
-250.0	490.0	6	0
-250.0	500.0	3	0
-250.0	510.0	4	0
-250.0	520.0	3	0
-250.0	530.0	3	0
-250.0	540.0	4	0
-250.0	550.0	3	0
-250.0	560.0	0	1
-250.0	570.0	3	1
-250.0	580.0	3	1
-250.0	590.0	3	3
-250.0	600.0	1	-3
-200.0	0.0	10	8
-200.0	10.0	6	5
-200.0	20.0	5	2
-200.0	30.0	2	0
-200.0	40.0	2	0
-200.0	50.0	3	0
-200.0	60.0	3	1
-200.0	70.0	5	1
-200.0	80.0	6	0
-200.0	90.0	5	0
-200.0	100.0	5	0
-200.0	110.0	8	2

X(East)	Y(North)	In Ph	Quad
-200.0	120.0	10	3
-200.0	130.0	8	1
-200.0	140.0	2	0
-200.0	150.0	-1	-2
-200.0	160.0	-1	-3
-200.0	170.0	1	0
-200.0	180.0	1	1
-200.0	190.0	7	3
-200.0	200.0	4	1
-200.0	210.0	4	1
-200.0	220.0	1	0
-200.0	230.0	3	1
-200.0	240.0	3	1
-200.0	250.0	4	1
-200.0	260.0	6	2
-200.0	270.0	4	2
-200.0	280.0	7	2
-200.0	290.0	5	1
-200.0	300.0	6	1
-200.0	310.0	6	2
-200.0	320.0	8	2
-200.0	330.0	7	2
-200.0	340.0	10	3
-200.0	350.0	8	3
-200.0	360.0	6	2
-200.0	370.0	2	0
-200.0	380.0	2	0
-200.0	390.0	2	-1
-200.0	400.0	4	0
-200.0	410.0	10	2
-200.0	420.0	11	5
-200.0	430.0	13	5
-200.0	440.0	10	4
-200.0	450.0	8	2
-200.0	460.0	10	1
-200.0	470.0	7	0
-200.0	480.0	6	0
-200.0	490.0	6	0
-200.0	500.0	6	0
-200.0	510.0	5	0
-200.0	520.0	2	0
-200.0	530.0	2	0
-200.0	540.0	1	0
-200.0	550.0	1	0
-200.0	560.0	0	0
-200.0	570.0	0	0
-200.0	580.0	2	0
-200.0	590.0	1	0
-200.0	600.0	1	1
-150.0	0.0	4	2
-150.0	10.0	2	0
-150.0	20.0	3	0
-150.0	30.0	0	-1
-150.0	40.0	1	0
-150.0	50.0	0	-2
-150.0	60.0	0	-2
-150.0	70.0	4	-1
-150.0	80.0	2	0
-150.0	90.0	6	2
-150.0	100.0	5	3
-150.0	110.0	7	3
-150.0	120.0	5	2
-150.0	130.0	3	1
-150.0	140.0	-2	0
-150.0	150.0	-3	-1
-150.0	160.0	-3	0
-150.0	170.0	-3	-1
-150.0	180.0	-1	-1
-150.0	190.0	3	1
-150.0	200.0	4	1
-150.0	210.0	4	0
-150.0	220.0	3	-1
-150.0	230.0	4	-2
-150.0	240.0	6	0
-150.0	250.0	7	0
-150.0	260.0	8	1

X(East)	Y(North)	In Ph	Quad
-150.0	270.0	6	1
-150.0	280.0	3	0
-150.0	290.0	5	0
-150.0	300.0	3	0
-150.0	310.0	5	0
-150.0	320.0	4	0
-150.0	330.0	8	1
-150.0	340.0	8	2
-150.0	350.0	10	2
-150.0	360.0	5	2
-150.0	370.0	7	1
-150.0	380.0	5	0
-150.0	390.0	6	1
-150.0	400.0	8	3
-150.0	410.0	11	4
-150.0	420.0	14	5
-150.0	430.0	15	5
-150.0	440.0	15	4
-150.0	450.0	12	2
-150.0	460.0	13	2
-150.0	470.0	8	0
-150.0	480.0	7	0
-150.0	490.0	9	0
-150.0	500.0	6	-1
-150.0	510.0	4	-2
-150.0	520.0	6	-1
-150.0	540.0	1	-2
-150.0	550.0	4	-1
-150.0	560.0	6	0
-150.0	570.0	5	0
-150.0	580.0	6	1
-150.0	590.0	5	2
-150.0	600.0	6	3
-100.0	0.0	0	0
-100.0	10.0	-4	-3
-100.0	20.0	-3	-4
-100.0	30.0	-1	-3
-100.0	40.0	0	-2
-100.0	50.0	-2	-2
-100.0	60.0	-1	-2
-100.0	70.0	-2	-1
-100.0	80.0	0	-1
-100.0	90.0	-1	0
-100.0	100.0	0	0
-100.0	110.0	-1	1
-100.0	120.0	1	2
-100.0	130.0	-1	1
-100.0	140.0	0	0
-100.0	150.0	2	2
-100.0	160.0	3	3
-100.0	170.0	0	2
-100.0	180.0	0	1
-100.0	190.0	2	0
-100.0	200.0	0	-1
-100.0	210.0	4	0
-100.0	220.0	1	-1
-100.0	230.0	3	0
-100.0	240.0	6	0
-100.0	250.0	5	1
-100.0	260.0	8	2
-100.0	270.0	8	2
-100.0	280.0	5	1
-100.0	290.0	4	1
-100.0	300.0	5	1
-100.0	310.0	3	1
-100.0	320.0	6	0
-100.0	330.0	3	0
-100.0	340.0	1	0
-100.0	350.0	4	0
-100.0	360.0	1	0
-100.0	370.0	2	0
-100.0	380.0	1	0
-100.0	390.0	5	1
-100.0	400.0	6	2
-100.0	410.0	9	3
-100.0	420.0	10	3

X(East)	Y(North)	In Ph	Quad
-100.0	430.0	14	3
-100.0	440.0	16	3
-100.0	450.0	17	3
-100.0	460.0	14	2
-100.0	470.0	13	1
-100.0	480.0	13	0
-100.0	490.0	11	0
-100.0	500.0	10	-1
-100.0	510.0	7	-2
-100.0	520.0	6	-2
-100.0	530.0	2	-2
-100.0	540.0	0	-4
-100.0	550.0	-1	-5
-100.0	560.0	-1	-4
-100.0	570.0	-1	-1
-100.0	580.0	2	0
-100.0	590.0	4	0
-100.0	600.0	4	1
-50.0	0.0	-3	-1
-50.0	10.0	-4	-2
-50.0	20.0	-3	-2
-50.0	30.0	-3	-3
-50.0	40.0	-3	-5
-50.0	50.0	-3	-5
-50.0	60.0	-3	-4
-50.0	70.0	-5	-4
-50.0	90.0	-4	-1
-50.0	100.0	-4	0
-50.0	110.0	-3	0
-50.0	120.0	-3	0
-50.0	130.0	-3	0
-50.0	140.0	-5	0
-50.0	150.0	0	0
-50.0	160.0	-2	1
-50.0	170.0	0	1
-50.0	180.0	0	1
-50.0	190.0	-1	0
-50.0	200.0	2	0
-50.0	210.0	-1	0
-50.0	220.0	0	0
-50.0	230.0	2	0
-50.0	240.0	2	0
-50.0	250.0	0	0
-50.0	260.0	4	0
-50.0	270.0	4	1
-50.0	280.0	3	1
-50.0	290.0	4	1
-50.0	300.0	4	1
-50.0	310.0	4	1
-50.0	320.0	3	2
-50.0	330.0	2	1
-50.0	340.0	1	1
-50.0	350.0	4	1
-50.0	360.0	2	2
-50.0	370.0	4	2
-50.0	380.0	4	1
-50.0	390.0	4	2
-50.0	400.0	6	2
-50.0	410.0	7	1
-50.0	420.0	8	1
-50.0	430.0	9	1
-50.0	440.0	14	3
-50.0	450.0	15	5
-50.0	460.0	11	0
-50.0	470.0	9	0
-50.0	480.0	12	0
-50.0	490.0	11	-1
-50.0	500.0	11	0
-50.0	510.0	12	0
-50.0	520.0	11	-1
-50.0	530.0	12	-1
-50.0	540.0	13	0
-50.0	550.0	12	-1
-50.0	560.0	6	-1
-50.0	570.0	7	-1
-50.0	580.0	3	0

X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad	X(East)	Y(North)	In Ph	Quad
-50.0	590.0	6	0	0.0	190.0	-2	0	0.0	400.0	6	3
-50.0	600.0	7	1	0.0	200.0	-2	0	0.0	410.0	6	1
0.0	0.0	0	-1	0.0	210.0	-3	-1	0.0	420.0	5	0
0.0	10.0	0	-2	0.0	220.0	-5	-2	0.0	430.0	3	0
0.0	20.0	-2	-3	0.0	230.0	-7	-4	0.0	440.0	8	0
0.0	30.0	-3	-3	0.0	240.0	-6	-4	0.0	450.0	6	0
0.0	40.0	-1	-3	0.0	250.0	-3	-3	0.0	460.0	8	0
0.0	50.0	-3	-2	0.0	260.0	-3	-2	0.0	470.0	9	0
0.0	60.0	-2	-2	0.0	270.0	-2	-2	0.0	480.0	9	0
0.0	70.0	-4	-3	0.0	280.0	0	-2	0.0	490.0	7	-1
0.0	80.0	-4	-3	0.0	290.0	0	-1	0.0	500.0	7	-1
0.0	90.0	-3	-3	0.0	300.0	1	-1	0.0	510.0	9	-1
0.0	100.0	-2	-2	0.0	310.0	-1	0	0.0	520.0	7	-1
0.0	110.0	-3	-2	0.0	320.0	0	0	0.0	530.0	8	-1
0.0	120.0	-4	-2	0.0	330.0	0	0	0.0	540.0	6	-1
0.0	130.0	-3	-1	0.0	340.0	3	0	0.0	550.0	5	0
0.0	140.0	-2	0	0.0	350.0	2	1	0.0	560.0	5	0
0.0	150.0	-2	0	0.0	360.0	3	0	0.0	570.0	5	0
0.0	160.0	-3	0	0.0	370.0	4	1	0.0	580.0	7	0
0.0	170.0	-2	-1	0.0	380.0	6	1	0.0	590.0	5	0
0.0	180.0	-4	-1	0.0	390.0	4	2	0.0	600.0	5	1

VLF-EM DATA

"Fraser Filter" of In-Phase Response

(15 Meter re-sampling of in-phase data provides the data-base for the filtering operation)

Station: NPM (Lualualei, Hawaii) 23.4 kHz

Lines: 0 to 30+00W

June, 1987

X(East)	Y(North)	Fraser
-3000.0	22.5	-8
-3000.0	37.5	-10
-3000.0	52.5	-18
-3000.0	67.5	-13
-3000.0	82.5	6
-3000.0	97.5	19
-3000.0	112.5	16
-3000.0	127.5	-8
-3000.0	142.5	-14
-3000.0	157.5	28
-3000.0	172.5	55
-3000.0	187.5	23
-3000.0	202.5	-11
-3000.0	217.5	-22
-3000.0	232.5	-16
-3000.0	247.5	0
-3000.0	262.5	-2
-3000.0	277.5	-16
-3000.0	292.5	-17
-3000.0	307.5	-5
-3000.0	322.5	-2
-3000.0	337.5	-5
-3000.0	352.5	7
-3000.0	367.5	17
-3000.0	382.5	7
-3000.0	397.5	-4
-3000.0	412.5	5
-3000.0	427.5	17
-3000.0	442.5	6
-3000.0	457.5	-11
-3000.0	472.5	-15
-3000.0	487.5	-16
-3000.0	502.5	-15
-3000.0	517.5	-11
-3000.0	532.5	-13
-3000.0	547.5	-9
-3000.0	562.5	3
-3000.0	577.5	8
-2950.0	22.5	9
-2950.0	37.5	-19
-2950.0	52.5	-37
-2950.0	67.5	-16
-2950.0	82.5	17
-2950.0	97.5	30
-2950.0	112.5	14
-2950.0	127.5	-14
-2950.0	142.5	-17
-2950.0	157.5	18
-2950.0	172.5	48
-2950.0	187.5	38
-2950.0	202.5	-1
-2950.0	217.5	-24
-2950.0	232.5	-15
-2950.0	247.5	-3
-2950.0	262.5	0
-2950.0	277.5	-8
-2950.0	292.5	-14
-2950.0	307.5	-7
-2950.0	322.5	-5
-2950.0	337.5	-3
-2950.0	352.5	7
-2950.0	367.5	13
-2950.0	382.5	9
-2950.0	397.5	-1
-2950.0	412.5	-2
-2950.0	427.5	7
-2950.0	442.5	3
-2950.0	457.5	-13
-2950.0	472.5	-21
-2950.0	487.5	-21
-2950.0	502.5	-16
-2950.0	517.5	-11
-2950.0	532.5	-1
-2950.0	547.5	9
-2950.0	562.5	5
-2950.0	577.5	1

X(East)	Y(North)	Fraser
-2900.0	22.5	21
-2900.0	37.5	-19
-2900.0	52.5	-42
-2900.0	67.5	-8
-2900.0	82.5	32
-2900.0	97.5	23
-2900.0	112.5	3
-2900.0	127.5	6
-2900.0	142.5	7
-2900.0	157.5	15
-2900.0	172.5	42
-2900.0	187.5	48
-2900.0	202.5	8
-2900.0	217.5	-27
-2900.0	232.5	-21
-2900.0	247.5	-13
-2900.0	262.5	-13
-2900.0	277.5	-3
-2900.0	292.5	-1
-2900.0	307.5	-10
-2900.0	322.5	-16
-2900.0	337.5	-20
-2900.0	352.5	-12
-2900.0	367.5	7
-2900.0	382.5	13
-2900.0	397.5	11
-2900.0	412.5	4
-2900.0	427.5	-7
-2900.0	442.5	-5
-2900.0	457.5	-1
-2900.0	472.5	-3
-2900.0	487.5	-9
-2900.0	502.5	-15
-2900.0	517.5	-13
-2900.0	532.5	-4
-2900.0	547.5	2
-2900.0	562.5	3
-2900.0	577.5	10
-2850.0	22.5	-31
-2850.0	37.5	-55
-2850.0	52.5	-48
-2850.0	67.5	-3
-2850.0	82.5	37
-2850.0	97.5	26
-2850.0	112.5	24
-2850.0	127.5	55
-2850.0	142.5	69
-2850.0	157.5	30
-2850.0	172.5	-23
-2850.0	187.5	-37
-2850.0	202.5	-23
-2850.0	217.5	-13
-2850.0	232.5	-8
-2850.0	247.5	-6
-2850.0	262.5	-12
-2850.0	277.5	-14
-2850.0	292.5	-6
-2850.0	307.5	-3
-2850.0	322.5	-6
-2850.0	337.5	-7
-2850.0	352.5	-11
-2850.0	367.5	-9
-2850.0	382.5	1
-2850.0	397.5	15
-2850.0	412.5	15
-2850.0	427.5	-2
-2850.0	442.5	-12
-2850.0	457.5	-12
-2850.0	472.5	-6
-2850.0	487.5	-4
-2850.0	502.5	-1
-2850.0	517.5	6
-2850.0	532.5	3
-2850.0	547.5	-2
-2850.0	562.5	2
-2850.0	577.5	8

X(East)	Y(North)	Fraser
-2800.0	22.5	-18
-2800.0	37.5	-48
-2800.0	52.5	-5
-2800.0	67.5	49
-2800.0	82.5	39
-2800.0	97.5	15
-2800.0	112.5	30
-2800.0	127.5	41
-2800.0	142.5	24
-2800.0	157.5	-5
-2800.0	172.5	-34
-2800.0	187.5	-31
-2800.0	202.5	-10
-2800.0	217.5	-7
-2800.0	232.5	-10
-2800.0	247.5	-8
-2800.0	262.5	-6
-2800.0	277.5	-8
-2800.0	292.5	-9
-2800.0	307.5	-2
-2800.0	322.5	4
-2800.0	337.5	-4
-2800.0	352.5	-15
-2800.0	367.5	-13
-2800.0	382.5	2
-2800.0	397.5	12
-2800.0	412.5	6
-2800.0	427.5	-1
-2800.0	442.5	-4
-2800.0	457.5	-8
-2800.0	472.5	-7
-2800.0	487.5	2
-2800.0	502.5	4
-2800.0	517.5	-3
-2800.0	532.5	0
-2800.0	547.5	5
-2800.0	562.5	3
-2800.0	577.5	5
-2750.0	22.5	-33
-2750.0	37.5	-8
-2750.0	52.5	46
-2750.0	67.5	54
-2750.0	82.5	24
-2750.0	97.5	12
-2750.0	112.5	12
-2750.0	127.5	-3
-2750.0	142.5	2
-2750.0	157.5	17
-2750.0	172.5	-1
-2750.0	187.5	-21
-2750.0	202.5	-18
-2750.0	217.5	-10
-2750.0	232.5	-11
-2750.0	247.5	-11
-2750.0	262.5	-7
-2750.0	277.5	-8
-2750.0	292.5	-5
-2750.0	307.5	1
-2750.0	322.5	-4
-2750.0	337.5	-10
-2750.0	352.5	-8
-2750.0	367.5	-6
-2750.0	382.5	0
-2750.0	397.5	5
-2750.0	412.5	4
-2750.0	427.5	1
-2750.0	442.5	-4
-2750.0	457.5	-2
-2750.0	472.5	-1
-2750.0	487.5	0
-2750.0	502.5	6
-2750.0	517.5	7
-2750.0	532.5	6
-2750.0	547.5	5
-2750.0	562.5	6
-2750.0	577.5	1

X(East)	Y(North)	Fraser
-2700.0	22.5	-29
-2700.0	37.5	2
-2700.0	52.5	44
-2700.0	67.5	39
-2700.0	82.5	25
-2700.0	97.5	30
-2700.0	112.5	14
-2700.0	127.5	-14
-2700.0	142.5	-12
-2700.0	157.5	3
-2700.0	172.5	-2
-2700.0	187.5	-9
-2700.0	202.5	-8
-2700.0	217.5	-7
-2700.0	232.5	-5
-2700.0	247.5	-10
-2700.0	262.5	-15
-2700.0	277.5	-9
-2700.0	292.5	-1
-2700.0	307.5	-1
-2700.0	322.5	-5
-2700.0	337.5	-1
-2700.0	352.5	-8
-2700.0	367.5	-22
-2700.0	382.5	-12
-2700.0	397.5	0
-2700.0	412.5	0
-2700.0	427.5	4
-2700.0	442.5	7
-2700.0	457.5	4
-2700.0	472.5	2
-2700.0	487.5	3
-2700.0	502.5	9
-2700.0	517.5	13
-2700.0	532.5	12
-2700.0	547.5	10
-2700.0	562.5	4
-2700.0	577.5	-1
-2650.0	22.5	-22
-2650.0	37.5	-23
-2650.0	52.5	5
-2650.0	67.5	40
-2650.0	82.5	52
-2650.0	97.5	30
-2650.0	112.5	-3
-2650.0	127.5	-17
-2650.0	142.5	-18
-2650.0	157.5	-14
-2650.0	172.5	-4
-2650.0	187.5	0
-2650.0	202.5	3
-2650.0	217.5	3
-2650.0	232.5	-7
-2650.0	247.5	-7
-2650.0	262.5	-6
-2650.0	277.5	-12
-2650.0	292.5	-7
-2650.0	307.5	3
-2650.0	322.5	2
-2650.0	337.5	-5
-2650.0	352.5	-9
-2650.0	367.5	-8
-2650.0	382.5	-3
-2650.0	397.5	0
-2650.0	412.5	1
-2650.0	427.5	5
-2650.0	442.5	7
-2650.0	457.5	5
-2650.0	472.5	4
-2650.0	487.5	11
-2650.0	502.5	19
-2650.0	517.5	18
-2650.0	532.5	13
-2650.0	547.5	9
-2650.0	562.5	6
-2650.0	577.5	0

X(East)	Y(North)	Fraser
-2600.0	22.5	-14
-2600.0	37.5	-14
-2600.0	52.5	0
-2600.0	67.5	13
-2600.0	82.5	16
-2600.0	97.5	14
-2600.0	112.5	-3
-2600.0	127.5	-12
-2600.0	142.5	-7
-2600.0	157.5	-5
-2600.0	172.5	0
-2600.0	187.5	8
-2600.0	202.5	12
-2600.0	217.5	4
-2600.0	232.5	-2
-2600.0	247.5	-4
-2600.0	262.5	-10
-2600.0	277.5	-6
-2600.0	292.5	1
-2600.0	307.5	-2
-2600.0	322.5	-8
-2600.0	337.5	-5
-2600.0	352.5	0
-2600.0	367.5	-3
-2600.0	382.5	-1
-2600.0	397.5	1
-2600.0	412.5	-4
-2600.0	427.5	-1
-2600.0	442.5	5
-2600.0	457.5	10
-2600.0	472.5	12
-2600.0	487.5	11
-2600.0	502.5	16
-2600.0	517.5	11
-2600.0	532.5	5
-2600.0	547.5	12
-2600.0	562.5	6
-2600.0	577.5	-5
-2550.0	22.5	-6
-2550.0	37.5	-7
-2550.0	52.5	-2
-2550.0	67.5	-1
-2550.0	82.5	-4
-2550.0	97.5	-4
-2550.0	112.5	-4
-2550.0	127.5	-5
-2550.0	142.5	2
-2550.0	157.5	8
-2550.0	172.5	11
-2550.0	187.5	11
-2550.0	202.5	4
-2550.0	217.5	-5
-2550.0	232.5	-6
-2550.0	247.5	-1
-2550.0	262.5	0
-2550.0	277.5	2
-2550.0	292.5	3
-2550.0	307.5	-2
-2550.0	322.5	-6
-2550.0	337.5	-4
-2550.0	352.5	-7
-2550.0	367.5	-7
-2550.0	382.5	1
-2550.0	397.5	-4
-2550.0	412.5	-2
-2550.0	427.5	12
-2550.0	442.5	9
-2550.0	457.5	4
-2550.0	472.5	10
-2550.0	487.5	10
-2550.0	502.5	4
-2550.0	517.5	8
-2550.0	532.5	10
-2550.0	547.5	5
-2550.0	562.5	3
-2550.0	577.5	2

X(East)	Y(North)	Fraser
-2500.0	22.5	-5
-2500.0	37.5	-3
-2500.0	52.5	0
-2500.0	67.5	1
-2500.0	82.5	-3
-2500.0	97.5	-12
-2500.0	112.5	-9
-2500.0	127.5	3
-2500.0	142.5	11
-2500.0	157.5	10
-2500.0	172.5	10
-2500.0	187.5	12
-2500.0	202.5	8
-2500.0	217.5	9
-2500.0	232.5	4
-2500.0	247.5	-7
-2500.0	262.5	-6
-2500.0	277.5	4
-2500.0	292.5	2
-2500.0	307.5	-9
-2500.0	322.5	-8
-2500.0	337.5	-6
-2500.0	352.5	-6
-2500.0	367.5	-6
-2500.0	382.5	-6
-2500.0	397.5	-3
-2500.0	412.5	-2
-2500.0	427.5	6
-2500.0	442.5	18
-2500.0	457.5	15
-2500.0	472.5	7
-2500.0	487.5	7
-2500.0	502.5	0
-2500.0	517.5	-8
-2500.0	532.5	-3
-2500.0	547.5	1
-2500.0	562.5	3
-2500.0	577.5	7
-2450.0	22.5	-4
-2450.0	37.5	2
-2450.0	52.5	3
-2450.0	67.5	-2
-2450.0	82.5	-6
-2450.0	97.5	-8
-2450.0	112.5	-7
-2450.0	127.5	6
-2450.0	142.5	14
-2450.0	157.5	7
-2450.0	172.5	4
-2450.0	187.5	8
-2450.0	202.5	13
-2450.0	217.5	14
-2450.0	232.5	4
-2450.0	247.5	-4
-2450.0	262.5	1
-2450.0	277.5	3
-2450.0	292.5	-7
-2450.0	307.5	-11
-2450.0	322.5	-6
-2450.0	337.5	-6
-2450.0	352.5	-8
-2450.0	367.5	-7
-2450.0	382.5	-3
-2450.0	397.5	4
-2450.0	412.5	8
-2450.0	427.5	6
-2450.0	442.5	10
-2450.0	457.5	16
-2450.0	472.5	9
-2450.0	487.5	-2
-2450.0	502.5	0
-2450.0	517.5	8
-2450.0	532.5	-3
-2450.0	547.5	-13
-2450.0	562.5	-1
-2450.0	577.5	2

X(East)	Y(North)	Fraser
-2400.0	22.5	4
-2400.0	37.5	0
-2400.0	52.5	-5
-2400.0	67.5	1
-2400.0	82.5	4
-2400.0	97.5	2
-2400.0	112.5	3
-2400.0	127.5	2
-2400.0	142.5	0
-2400.0	157.5	0
-2400.0	172.5	3
-2400.0	187.5	12
-2400.0	202.5	17
-2400.0	217.5	10
-2400.0	232.5	3
-2400.0	247.5	-2
-2400.0	262.5	-7
-2400.0	277.5	-6
-2400.0	292.5	-7
-2400.0	307.5	-7
-2400.0	322.5	-5
-2400.0	337.5	-14
-2400.0	352.5	-16
-2400.0	367.5	0
-2400.0	382.5	9
-2400.0	397.5	5
-2400.0	412.5	1
-2400.0	427.5	-2
-2400.0	442.5	2
-2400.0	457.5	13
-2400.0	472.5	9
-2400.0	487.5	-4
-2400.0	502.5	-6
-2400.0	517.5	-3
-2400.0	532.5	-2
-2400.0	547.5	-1
-2400.0	562.5	0
-2400.0	577.5	-1
-2350.0	22.5	4
-2350.0	37.5	3
-2350.0	52.5	1
-2350.0	67.5	2
-2350.0	82.5	-1
-2350.0	97.5	-3
-2350.0	112.5	-1
-2350.0	127.5	-1
-2350.0	142.5	-1
-2350.0	157.5	5
-2350.0	172.5	9
-2350.0	187.5	4
-2350.0	202.5	5
-2350.0	217.5	14
-2350.0	232.5	17
-2350.0	247.5	10
-2350.0	262.5	0
-2350.0	277.5	-6
-2350.0	292.5	-5
-2350.0	307.5	-3
-2350.0	322.5	-8
-2350.0	337.5	-11
-2350.0	352.5	-11
-2350.0	367.5	-16
-2350.0	382.5	-12
-2350.0	397.5	5
-2350.0	412.5	11
-2350.0	427.5	6
-2350.0	442.5	7
-2350.0	457.5	11
-2350.0	472.5	8
-2350.0	487.5	-1
-2350.0	502.5	-7
-2350.0	517.5	-6
-2350.0	532.5	-4
-2350.0	547.5	0
-2350.0	562.5	5
-2350.0	577.5	-4

X(East)	Y(North)	Fraser
-2300.0	22.5	2
-2300.0	37.5	4
-2300.0	52.5	0
-2300.0	67.5	-1
-2300.0	82.5	2
-2300.0	97.5	-2
-2300.0	112.5	-3
-2300.0	127.5	3
-2300.0	142.5	2
-2300.0	157.5	-1
-2300.0	172.5	3
-2300.0	187.5	7
-2300.0	202.5	10
-2300.0	217.5	7
-2300.0	232.5	5
-2300.0	247.5	8
-2300.0	262.5	5
-2300.0	277.5	4
-2300.0	292.5	4
-2300.0	307.5	-2
-2300.0	322.5	-6
-2300.0	337.5	-7
-2300.0	352.5	-10
-2300.0	367.5	-9
-2300.0	382.5	-5
-2300.0	397.5	-7
-2300.0	412.5	-5
-2300.0	427.5	4
-2300.0	442.5	7
-2300.0	457.5	11
-2300.0	472.5	18
-2300.0	487.5	9
-2300.0	502.5	-3
-2300.0	517.5	-1
-2300.0	532.5	-2
-2300.0	547.5	-5
-2300.0	562.5	-5
-2300.0	577.5	-6
-2250.0	22.5	-1
-2250.0	37.5	-1
-2250.0	52.5	2
-2250.0	67.5	2
-2250.0	82.5	0
-2250.0	97.5	-2
-2250.0	112.5	-9
-2250.0	127.5	-8
-2250.0	142.5	1
-2250.0	157.5	4
-2250.0	172.5	6
-2250.0	187.5	9
-2250.0	202.5	12
-2250.0	217.5	8
-2250.0	232.5	3
-2250.0	247.5	4
-2250.0	262.5	3
-2250.0	277.5	6
-2250.0	292.5	9
-2250.0	307.5	7
-2250.0	322.5	2
-2250.0	337.5	-4
-2250.0	352.5	-5
-2250.0	367.5	-3
-2250.0	382.5	-8
-2250.0	397.5	-15
-2250.0	412.5	-11
-2250.0	427.5	-5
-2250.0	442.5	2
-2250.0	457.5	13
-2250.0	472.5	22
-2250.0	487.5	22
-2250.0	502.5	9
-2250.0	517.5	0
-2250.0	532.5	0
-2250.0	547.5	-1
-2250.0	562.5	-8
-2250.0	577.5	-17

X(East)	Y(North)	Fraser
-2200.0	22.5	1
-2200.0	37.5	-3
-2200.0	52.5	-4
-2200.0	67.5	0
-2200.0	82.5	2
-2200.0	97.5	1
-2200.0	112.5	1
-2200.0	127.5	3
-2200.0	142.5	-1
-2200.0	157.5	-5
-2200.0	172.5	-1
-2200.0	187.5	2
-2200.0	202.5	5
-2200.0	217.5	10
-2200.0	232.5	9
-2200.0	247.5	5
-2200.0	262.5	3
-2200.0	277.5	1
-2200.0	292.5	5
-2200.0	307.5	10
-2200.0	322.5	9
-2200.0	337.5	9
-2200.0	352.5	9
-2200.0	367.5	4
-2200.0	382.5	-5
-2200.0	397.5	-10
-2200.0	412.5	-15
-2200.0	427.5	-19
-2200.0	442.5	-7
-2200.0	457.5	16
-2200.0	472.5	29
-2200.0	487.5	16
-2200.0	502.5	5
-2200.0	517.5	10
-2200.0	532.5	6
-2200.0	547.5	-7
-2200.0	562.5	-11
-2200.0	577.5	-6
-2150.0	22.5	5
-2150.0	37.5	0
-2150.0	52.5	-2
-2150.0	67.5	2
-2150.0	82.5	0
-2150.0	97.5	-9
-2150.0	112.5	-6
-2150.0	127.5	2
-2150.0	142.5	2
-2150.0	157.5	-1
-2150.0	172.5	-1
-2150.0	187.5	2
-2150.0	202.5	4
-2150.0	217.5	5
-2150.0	232.5	3
-2150.0	247.5	-1
-2150.0	262.5	-1
-2150.0	277.5	2
-2150.0	292.5	1
-2150.0	307.5	-1
-2150.0	322.5	6
-2150.0	337.5	12
-2150.0	352.5	11
-2150.0	367.5	7
-2150.0	382.5	2
-2150.0	397.5	3
-2150.0	412.5	5
-2150.0	427.5	2
-2150.0	442.5	-2
-2150.0	457.5	0
-2150.0	472.5	11
-2150.0	487.5	16
-2150.0	502.5	10
-2150.0	517.5	5
-2150.0	532.5	6
-2150.0	547.5	5
-2150.0	562.5	-4
-2150.0	577.5	-11

X(East)	Y(North)	Fraser	X(East)	Y(North)	Fraser	X(East)	Y(North)	Fraser
-2100.0	22.5	5	-2000.0	22.5	-1	-1900.0	22.5	0
-2100.0	37.5	0	-2000.0	37.5	-5	-1900.0	37.5	1
-2100.0	52.5	-2	-2000.0	52.5	-3	-1900.0	52.5	-3
-2100.0	67.5	-1	-2000.0	67.5	4	-1900.0	67.5	-2
-2100.0	82.5	0	-2000.0	82.5	6	-1900.0	82.5	1
-2100.0	97.5	2	-2000.0	97.5	-1	-1900.0	97.5	1
-2100.0	112.5	-1	-2000.0	112.5	-1	-1900.0	112.5	-3
-2100.0	127.5	-3	-2000.0	127.5	4	-1900.0	127.5	-1
-2100.0	142.5	1	-2000.0	142.5	1	-1900.0	142.5	5
-2100.0	157.5	5	-2000.0	157.5	-2	-1900.0	157.5	2
-2100.0	172.5	0	-2000.0	172.5	1	-1900.0	172.5	-2
-2100.0	187.5	-6	-2000.0	187.5	4	-1900.0	187.5	-2
-2100.0	202.5	-1	-2000.0	202.5	2	-1900.0	202.5	-1
-2100.0	217.5	5	-2000.0	217.5	1	-1900.0	217.5	1
-2100.0	232.5	3	-2000.0	232.5	1	-1900.0	232.5	1
-2100.0	247.5	0	-2000.0	247.5	-2	-1900.0	247.5	0
-2100.0	262.5	-4	-2000.0	262.5	0	-1900.0	262.5	0
-2100.0	277.5	-10	-2000.0	277.5	3	-1900.0	277.5	2
-2100.0	292.5	-5	-2000.0	292.5	-1	-1900.0	292.5	3
-2100.0	307.5	1	-2000.0	307.5	-3	-1900.0	307.5	-2
-2100.0	322.5	-2	-2000.0	322.5	-2	-1900.0	322.5	-3
-2100.0	337.5	0	-2000.0	337.5	1	-1900.0	337.5	0
-2100.0	352.5	7	-2000.0	352.5	4	-1900.0	352.5	1
-2100.0	367.5	8	-2000.0	367.5	1	-1900.0	367.5	1
-2100.0	382.5	7	-2000.0	382.5	-3	-1900.0	382.5	0
-2100.0	397.5	9	-2000.0	397.5	-7	-1900.0	397.5	4
-2100.0	412.5	9	-2000.0	412.5	-6	-1900.0	412.5	5
-2100.0	427.5	10	-2000.0	427.5	-1	-1900.0	427.5	1
-2100.0	442.5	14	-2000.0	442.5	-2	-1900.0	442.5	0
-2100.0	457.5	19	-2000.0	457.5	-3	-1900.0	457.5	-3
-2100.0	472.5	18	-2000.0	472.5	-4	-1900.0	472.5	-3
-2100.0	487.5	7	-2000.0	487.5	-5	-1900.0	487.5	1
-2100.0	502.5	-2	-2000.0	502.5	-2	-1900.0	502.5	5
-2100.0	517.5	-4	-2000.0	517.5	1	-1900.0	517.5	4
-2100.0	532.5	-2	-2000.0	532.5	1	-1900.0	532.5	-3
-2100.0	547.5	2	-2000.0	547.5	4	-1900.0	547.5	-3
-2100.0	562.5	1	-2000.0	562.5	12	-1900.0	562.5	-2
-2100.0	577.5	-2	-2000.0	577.5	11	-1900.0	577.5	1
-2050.0	22.5	-3	-1950.0	22.5	0	-1850.0	22.5	-5
-2050.0	37.5	-3	-1950.0	37.5	4	-1850.0	37.5	-5
-2050.0	52.5	4	-1950.0	52.5	1	-1850.0	52.5	-4
-2050.0	67.5	4	-1950.0	67.5	-2	-1850.0	67.5	-1
-2050.0	82.5	-1	-1950.0	82.5	-2	-1850.0	82.5	1
-2050.0	97.5	0	-1950.0	97.5	-2	-1850.0	97.5	1
-2050.0	112.5	-1	-1950.0	112.5	0	-1850.0	112.5	1
-2050.0	127.5	-1	-1950.0	127.5	2	-1850.0	127.5	4
-2050.0	142.5	-1	-1950.0	142.5	2	-1850.0	142.5	7
-2050.0	157.5	-1	-1950.0	157.5	1	-1850.0	157.5	7
-2050.0	172.5	2	-1950.0	172.5	-1	-1850.0	172.5	4
-2050.0	187.5	5	-1950.0	187.5	0	-1850.0	187.5	0
-2050.0	202.5	3	-1950.0	202.5	3	-1850.0	202.5	-7
-2050.0	217.5	3	-1950.0	217.5	2	-1850.0	217.5	-13
-2050.0	232.5	4	-1950.0	232.5	2	-1850.0	232.5	-14
-2050.0	247.5	-1	-1950.0	247.5	3	-1850.0	247.5	-14
-2050.0	262.5	-4	-1950.0	262.5	0	-1850.0	262.5	-6
-2050.0	277.5	-4	-1950.0	277.5	-1	-1850.0	277.5	3
-2050.0	292.5	-4	-1950.0	292.5	-1	-1850.0	292.5	4
-2050.0	307.5	-1	-1950.0	307.5	-1	-1850.0	307.5	4
-2050.0	322.5	2	-1950.0	322.5	-1	-1850.0	322.5	6
-2050.0	337.5	-1	-1950.0	337.5	0	-1850.0	337.5	12
-2050.0	352.5	-6	-1950.0	352.5	3	-1850.0	352.5	9
-2050.0	367.5	-7	-1950.0	367.5	1	-1850.0	367.5	-2
-2050.0	382.5	-5	-1950.0	382.5	-2	-1850.0	382.5	-6
-2050.0	397.5	-2	-1950.0	397.5	-3	-1850.0	397.5	-4
-2050.0	412.5	5	-1950.0	412.5	-1	-1850.0	412.5	1
-2050.0	427.5	5	-1950.0	427.5	2	-1850.0	427.5	3
-2050.0	442.5	4	-1950.0	442.5	0	-1850.0	442.5	2
-2050.0	457.5	9	-1950.0	457.5	0	-1850.0	457.5	-1
-2050.0	472.5	8	-1950.0	472.5	2	-1850.0	472.5	-5
-2050.0	487.5	7	-1950.0	487.5	-2	-1850.0	487.5	-1
-2050.0	502.5	5	-1950.0	502.5	-6	-1850.0	502.5	7
-2050.0	517.5	7	-1950.0	517.5	-2	-1850.0	517.5	7
-2050.0	532.5	12	-1950.0	532.5	1	-1850.0	532.5	3
-2050.0	547.5	7	-1950.0	547.5	-2	-1850.0	547.5	1
-2050.0	562.5	13	-1950.0	562.5	-1	-1850.0	562.5	2
-2050.0	577.5	25	-1950.0	577.5	1	-1850.0	577.5	9

X(East)	Y(North)	Fraser
-1800.0	22.5	-4
-1800.0	37.5	-2
-1800.0	52.5	0
-1800.0	67.5	-3
-1800.0	82.5	-6
-1800.0	97.5	-3
-1800.0	112.5	2
-1800.0	127.5	1
-1800.0	142.5	-2
-1800.0	157.5	1
-1800.0	172.5	8
-1800.0	187.5	16
-1800.0	202.5	24
-1800.0	217.5	19
-1800.0	232.5	-6
-1800.0	247.5	-27
-1800.0	262.5	-26
-1800.0	277.5	-15
-1800.0	292.5	-11
-1800.0	307.5	-11
-1800.0	322.5	-4
-1800.0	337.5	7
-1800.0	352.5	10
-1800.0	367.5	3
-1800.0	382.5	-5
-1800.0	397.5	-7
-1800.0	412.5	-8
-1800.0	427.5	-13
-1800.0	442.5	-8
-1800.0	457.5	4
-1800.0	472.5	6
-1800.0	487.5	4
-1800.0	502.5	4
-1800.0	517.5	7
-1800.0	532.5	8
-1800.0	547.5	6
-1800.0	562.5	7
-1800.0	577.5	4
-1750.0	22.5	-12
-1750.0	37.5	-2
-1750.0	52.5	5
-1750.0	67.5	2
-1750.0	82.5	1
-1750.0	97.5	-5
-1750.0	112.5	-6
-1750.0	127.5	-2
-1750.0	142.5	-8
-1750.0	157.5	-18
-1750.0	172.5	-15
-1750.0	187.5	7
-1750.0	202.5	39
-1750.0	217.5	53
-1750.0	232.5	28
-1750.0	247.5	-12
-1750.0	262.5	-25
-1750.0	277.5	-16
-1750.0	292.5	-18
-1750.0	307.5	-21
-1750.0	322.5	-10
-1750.0	337.5	4
-1750.0	352.5	16
-1750.0	367.5	22
-1750.0	382.5	14
-1750.0	397.5	-2
-1750.0	412.5	-12
-1750.0	427.5	-18
-1750.0	442.5	-23
-1750.0	457.5	-15
-1750.0	472.5	-6
-1750.0	487.5	-10
-1750.0	502.5	-10
-1750.0	517.5	-2
-1750.0	532.5	4
-1750.0	547.5	8
-1750.0	562.5	4
-1750.0	577.5	1

X(East)	Y(North)	Fraser
-1700.0	22.5	3
-1700.0	37.5	4
-1700.0	52.5	5
-1700.0	67.5	9
-1700.0	82.5	7
-1700.0	97.5	-2
-1700.0	112.5	-10
-1700.0	127.5	-15
-1700.0	142.5	-15
-1700.0	157.5	-14
-1700.0	172.5	-16
-1700.0	187.5	-21
-1700.0	202.5	-5
-1700.0	217.5	48
-1700.0	232.5	68
-1700.0	247.5	21
-1700.0	262.5	-15
-1700.0	277.5	-14
-1700.0	292.5	-15
-1700.0	307.5	-26
-1700.0	322.5	-28
-1700.0	337.5	-14
-1700.0	352.5	4
-1700.0	367.5	19
-1700.0	382.5	41
-1700.0	397.5	42
-1700.0	412.5	8
-1700.0	427.5	-14
-1700.0	442.5	-19
-1700.0	457.5	-23
-1700.0	472.5	-20
-1700.0	487.5	-14
-1700.0	502.5	-15
-1700.0	517.5	-13
-1700.0	532.5	2
-1700.0	547.5	13
-1700.0	562.5	8
-1700.0	577.5	-2
-1650.0	22.5	14
-1650.0	37.5	14
-1650.0	52.5	4
-1650.0	67.5	7
-1650.0	82.5	15
-1650.0	97.5	6
-1650.0	112.5	-3
-1650.0	127.5	-3
-1650.0	142.5	-15
-1650.0	157.5	-25
-1650.0	172.5	-19
-1650.0	187.5	-16
-1650.0	202.5	-15
-1650.0	217.5	0
-1650.0	232.5	36
-1650.0	247.5	50
-1650.0	262.5	16
-1650.0	277.5	-9
-1650.0	292.5	-8
-1650.0	307.5	-11
-1650.0	322.5	-26
-1650.0	337.5	-26
-1650.0	352.5	7
-1650.0	367.5	42
-1650.0	382.5	50
-1650.0	397.5	32
-1650.0	412.5	3
-1650.0	427.5	-16
-1650.0	442.5	-17
-1650.0	457.5	-14
-1650.0	472.5	-21
-1650.0	487.5	-25
-1650.0	502.5	-18
-1650.0	517.5	-14
-1650.0	532.5	-7
-1650.0	547.5	8
-1650.0	562.5	11
-1650.0	577.5	-4

X(East)	Y(North)	Fraser
-1600.0	22.5	7
-1600.0	37.5	12
-1600.0	52.5	9
-1600.0	67.5	1
-1600.0	82.5	4
-1600.0	97.5	7
-1600.0	112.5	8
-1600.0	127.5	2
-1600.0	142.5	-10
-1600.0	157.5	-22
-1600.0	172.5	-24
-1600.0	187.5	-11
-1600.0	202.5	-4
-1600.0	217.5	-10
-1600.0	232.5	-5
-1600.0	247.5	28
-1600.0	262.5	47
-1600.0	277.5	15
-1600.0	292.5	-24
-1600.0	307.5	-30
-1600.0	322.5	-20
-1600.0	337.5	-21
-1600.0	352.5	-13
-1600.0	367.5	26
-1600.0	382.5	64
-1600.0	397.5	62
-1600.0	412.5	31
-1600.0	427.5	-1
-1600.0	442.5	-20
-1600.0	457.5	-24
-1600.0	472.5	-27
-1600.0	487.5	-26
-1600.0	502.5	-18
-1600.0	517.5	-14
-1600.0	532.5	-9
-1600.0	547.5	4
-1600.0	562.5	14
-1600.0	577.5	8
-1550.0	22.5	-2
-1550.0	37.5	25
-1550.0	52.5	22
-1550.0	67.5	12
-1550.0	82.5	12
-1550.0	97.5	22
-1550.0	112.5	12
-1550.0	127.5	-17
-1550.0	142.5	-23
-1550.0	157.5	-16
-1550.0	172.5	-18
-1550.0	187.5	-23
-1550.0	202.5	-14
-1550.0	217.5	4
-1550.0	232.5	15
-1550.0	247.5	21
-1550.0	262.5	26
-1550.0	277.5	17
-1550.0	292.5	-8
-1550.0	307.5	-27
-1550.0	322.5	-34
-1550.0	337.5	-38
-1550.0	352.5	-28
-1550.0	367.5	22
-1550.0	382.5	77
-1550.0	397.5	73
-1550.0	412.5	37
-1550.0	427.5	13
-1550.0	442.5	-10
-1550.0	457.5	-29
-1550.0	472.5	-35
-1550.0	487.5	-31
-1550.0	502.5	-20
-1550.0	517.5	-14
-1550.0	532.5	-12
-1550.0	547.5	-3
-1550.0	562.5	7
-1550.0	577.5	9

X(East)	Y(North)	Fraser
-1500.0	22.5	-17
-1500.0	37.5	-15
-1500.0	52.5	-10
-1500.0	67.5	-2
-1500.0	82.5	10
-1500.0	97.5	46
-1500.0	112.5	52
-1500.0	127.5	4
-1500.0	142.5	-17
-1500.0	157.5	-1
-1500.0	172.5	-10
-1500.0	187.5	-40
-1500.0	202.5	-36
-1500.0	217.5	-13
-1500.0	232.5	13
-1500.0	247.5	46
-1500.0	262.5	40
-1500.0	277.5	6
-1500.0	292.5	-5
-1500.0	307.5	-27
-1500.0	322.5	-38
-1500.0	337.5	-11
-1500.0	352.5	-19
-1500.0	367.5	-33
-1500.0	382.5	18
-1500.0	397.5	82
-1500.0	412.5	73
-1500.0	427.5	29
-1500.0	442.5	5
-1500.0	457.5	-15
-1500.0	472.5	-28
-1500.0	487.5	-23
-1500.0	502.5	-17
-1500.0	517.5	-20
-1500.0	532.5	-18
-1500.0	547.5	-12
-1500.0	562.5	-2
-1500.0	577.5	14
-1450.0	22.5	10
-1450.0	37.5	29
-1450.0	52.5	8
-1450.0	67.5	-19
-1450.0	82.5	-19
-1450.0	97.5	20
-1450.0	112.5	29
-1450.0	127.5	4
-1450.0	142.5	9
-1450.0	157.5	33
-1450.0	172.5	23
-1450.0	187.5	-31
-1450.0	202.5	-65
-1450.0	217.5	-54
-1450.0	232.5	2
-1450.0	247.5	77
-1450.0	262.5	72
-1450.0	277.5	5
-1450.0	292.5	-19
-1450.0	307.5	-17
-1450.0	322.5	-19
-1450.0	337.5	-14
-1450.0	352.5	-18
-1450.0	367.5	-29
-1450.0	382.5	-32
-1450.0	397.5	-7
-1450.0	412.5	34
-1450.0	427.5	65
-1450.0	442.5	69
-1450.0	457.5	27
-1450.0	472.5	-15
-1450.0	487.5	-18
-1450.0	502.5	-12
-1450.0	517.5	-16
-1450.0	532.5	-18
-1450.0	547.5	-14
-1450.0	562.5	-12
-1450.0	577.5	2

X(East)	Y(North)	Fraser
-1450.0	592.5	17
-1400.0	22.5	10
-1400.0	37.5	36
-1400.0	52.5	39
-1400.0	67.5	15
-1400.0	127.5	11
-1400.0	142.5	-1
-1400.0	157.5	25
-1400.0	172.5	48
-1400.0	187.5	9
-1400.0	202.5	-40
-1400.0	217.5	-52
-1400.0	232.5	-47
-1400.0	247.5	-18
-1400.0	262.5	44
-1400.0	277.5	80
-1400.0	292.5	47
-1400.0	307.5	-11
-1400.0	322.5	-40
-1400.0	337.5	-35
-1400.0	352.5	-17
-1400.0	367.5	-5
-1400.0	382.5	-2
-1400.0	397.5	-1
-1400.0	412.5	-2
-1400.0	427.5	-1
-1400.0	442.5	11
-1400.0	457.5	20
-1400.0	472.5	20
-1400.0	487.5	24
-1400.0	502.5	22
-1400.0	517.5	11
-1400.0	532.5	-3
-1400.0	547.5	-18
-1400.0	562.5	-20
-1400.0	577.5	-13
-1350.0	22.5	74
-1350.0	37.5	42
-1350.0	52.5	-24
-1350.0	157.5	84
-1350.0	172.5	67
-1350.0	187.5	-3
-1350.0	202.5	-44
-1350.0	217.5	-39
-1350.0	232.5	-29
-1350.0	247.5	-25
-1350.0	262.5	-12
-1350.0	277.5	13
-1350.0	292.5	33
-1350.0	307.5	36
-1350.0	322.5	16
-1350.0	337.5	-9
-1350.0	352.5	-15
-1350.0	367.5	-11
-1350.0	382.5	-11
-1350.0	397.5	-11
-1350.0	412.5	-9
-1350.0	427.5	-6
-1350.0	442.5	-2
-1350.0	457.5	6
-1350.0	472.5	14
-1350.0	487.5	7
-1350.0	502.5	2
-1350.0	517.5	8
-1350.0	532.5	8
-1350.0	547.5	5
-1350.0	562.5	0
-1350.0	577.5	-1
-1300.0	12.5	-4
-1300.0	27.5	53
-1300.0	42.5	41
-1300.0	57.5	-2
-1300.0	72.5	-2
-1300.0	87.5	16
-1300.0	102.5	-1
-1300.0	117.5	-17

X(East)	Y(North)	Fraser
-1300.0	132.5	13
-1300.0	147.5	17
-1300.0	162.5	33
-1300.0	177.5	64
-1300.0	192.5	1
-1300.0	207.5	-57
-1300.0	222.5	-42
-1300.0	237.5	-6
-1300.0	252.5	15
-1300.0	267.5	-2
-1300.0	282.5	-17
-1300.0	297.5	-14
-1300.0	312.5	4
-1300.0	327.5	41
-1300.0	342.5	38
-1300.0	357.5	-8
-1300.0	372.5	-21
-1300.0	387.5	-15
-1300.0	402.5	-18
-1300.0	417.5	-13
-1300.0	432.5	-8
-1300.0	447.5	-5
-1300.0	462.5	-2
-1300.0	477.5	-1
-1300.0	492.5	6
-1300.0	507.5	7
-1300.0	522.5	4
-1300.0	537.5	8
-1300.0	552.5	8
-1300.0	567.5	4
-1250.0	22.5	-8
-1250.0	37.5	38
-1250.0	52.5	25
-1250.0	67.5	-22
-1250.0	82.5	0
-1250.0	97.5	67
-1250.0	112.5	51
-1250.0	127.5	-27
-1250.0	142.5	-37
-1250.0	157.5	-4
-1250.0	172.5	25
-1250.0	187.5	49
-1250.0	202.5	16
-1250.0	217.5	-47
-1250.0	232.5	-49
-1250.0	247.5	3
-1250.0	262.5	45
-1250.0	277.5	43
-1250.0	292.5	-6
-1250.0	307.5	-42
-1250.0	322.5	-24
-1250.0	337.5	14
-1250.0	352.5	33
-1250.0	367.5	12
-1250.0	382.5	-16
-1250.0	397.5	-16
-1250.0	412.5	-13
-1250.0	427.5	-15
-1250.0	442.5	-12
-1250.0	457.5	-5
-1250.0	472.5	4
-1250.0	487.5	9
-1250.0	502.5	7
-1250.0	517.5	4
-1250.0	532.5	4
-1250.0	547.5	1
-1250.0	562.5	-2
-1250.0	577.5	-2
-1200.0	22.5	-43
-1200.0	37.5	-31
-1200.0	52.5	24
-1200.0	67.5	59
-1200.0	82.5	30
-1200.0	97.5	17
-1200.0	112.5	32
-1200.0	127.5	16

X(East)	Y(North)	Fraser
-1200.0	142.5	-14
-1200.0	157.5	7
-1200.0	172.5	50
-1200.0	187.5	49
-1200.0	202.5	9
-1200.0	217.5	-48
-1200.0	232.5	-72
-1200.0	247.5	-63
-1200.0	262.5	-33
-1200.0	277.5	22
-1200.0	292.5	71
-1200.0	307.5	67
-1200.0	322.5	9
-1200.0	337.5	-31
-1200.0	352.5	-20
-1200.0	367.5	0
-1200.0	382.5	7
-1200.0	397.5	4
-1200.0	412.5	-6
-1200.0	427.5	-16
-1200.0	442.5	-18
-1200.0	457.5	-10
-1200.0	472.5	-1
-1200.0	487.5	3
-1200.0	502.5	2
-1200.0	517.5	2
-1200.0	532.5	4
-1200.0	547.5	3
-1200.0	562.5	-1
-1200.0	577.5	-5
-1150.0	22.5	-42
-1150.0	37.5	-38
-1150.0	52.5	-30
-1150.0	67.5	11
-1150.0	82.5	46
-1150.0	97.5	31
-1150.0	112.5	18
-1150.0	127.5	19
-1150.0	142.5	19
-1150.0	157.5	25
-1150.0	172.5	26
-1150.0	187.5	45
-1150.0	202.5	59
-1150.0	217.5	8
-1150.0	232.5	-52
-1150.0	247.5	-64
-1150.0	262.5	-61
-1150.0	277.5	-60
-1150.0	292.5	-46
-1150.0	307.5	-18
-1150.0	322.5	29
-1150.0	337.5	71
-1150.0	352.5	51
-1150.0	367.5	2
-1150.0	382.5	-9
-1150.0	397.5	0
-1150.0	412.5	-2
-1150.0	427.5	-10
-1150.0	442.5	-12
-1150.0	457.5	-2
-1150.0	472.5	3
-1150.0	487.5	-1
-1150.0	502.5	1
-1150.0	517.5	3
-1150.0	532.5	2
-1150.0	547.5	3
-1150.0	562.5	0
-1150.0	577.5	-6
-1100.0	12.5	15
-1100.0	27.5	-21
-1100.0	42.5	-51
-1100.0	57.5	-56
-1100.0	72.5	-36
-1100.0	87.5	4
-1100.0	102.5	46
-1100.0	117.5	32
-1100.0	132.5	-9
-1100.0	147.5	-1
-1100.0	162.5	21
-1100.0	177.5	33
-1100.0	192.5	36
-1100.0	207.5	10
-1100.0	222.5	6
-1100.0	237.5	36
-1100.0	252.5	27
-1100.0	267.5	-20
-1100.0	282.5	-46
-1100.0	297.5	-43
-1100.0	312.5	-31
-1100.0	327.5	-12
-1100.0	342.5	9
-1100.0	357.5	16
-1100.0	372.5	10
-1100.0	387.5	5
-1100.0	402.5	3
-1100.0	417.5	-2
-1100.0	432.5	-3
-1100.0	447.5	3
-1100.0	462.5	3
-1100.0	477.5	-2
-1100.0	492.5	-4
-1100.0	507.5	-1
-1100.0	522.5	1
-1100.0	537.5	2
-1100.0	552.5	5
-1100.0	567.5	5
-1050.0	22.5	29
-1050.0	37.5	-20
-1050.0	52.5	-38
-1050.0	67.5	-44
-1050.0	82.5	-33
-1050.0	97.5	23
-1050.0	112.5	46
-1050.0	127.5	15
-1050.0	142.5	-4
-1050.0	157.5	-18
-1050.0	172.5	-21
-1050.0	187.5	-1
-1050.0	202.5	14
-1050.0	217.5	24
-1050.0	232.5	34
-1050.0	247.5	26
-1050.0	262.5	5
-1050.0	277.5	-4
-1050.0	292.5	-8
-1050.0	307.5	-16
-1050.0	322.5	-17
-1050.0	337.5	-7
-1050.0	352.5	1
-1050.0	367.5	1
-1050.0	382.5	1
-1050.0	397.5	5
-1050.0	412.5	7
-1050.0	427.5	2
-1050.0	442.5	-2
-1050.0	457.5	-3
-1050.0	472.5	-3
-1050.0	487.5	0
-1050.0	502.5	-1
-1050.0	517.5	-2
-1050.0	532.5	0
-1050.0	547.5	-2
-1050.0	562.5	-2
-1050.0	577.5	5
-1000.0	-17.5	-3
-1000.0	-2.5	-18
-1000.0	12.5	-25
-1000.0	27.5	-9
-1000.0	42.5	-1
-1000.0	57.5	-11
-1000.0	72.5	-23
-1000.0	87.5	-23
-1000.0	102.5	-4
-1000.0	117.5	18
-1000.0	132.5	17
-1000.0	147.5	1
-1000.0	162.5	-1
-1000.0	177.5	0
-1000.0	192.5	5
-1000.0	207.5	24
-1000.0	222.5	18
-1000.0	237.5	-2
-1000.0	252.5	-2
-1000.0	267.5	5
-1000.0	282.5	5
-1000.0	297.5	-4
-1000.0	312.5	-11
-1000.0	327.5	-9
-1000.0	342.5	-3
-1000.0	357.5	0
-1000.0	372.5	6
-1000.0	387.5	10
-1000.0	402.5	7
-1000.0	417.5	6
-1000.0	432.5	2
-1000.0	447.5	-5
-1000.0	462.5	-7
-1000.0	477.5	-4
-1000.0	492.5	-2
-1000.0	507.5	0
-1000.0	522.5	0
-1000.0	537.5	0
-1000.0	552.5	3
-1000.0	567.5	1
-950.0	22.5	-11
-950.0	37.5	-23
-950.0	52.5	-24
-950.0	67.5	-21
-950.0	82.5	-19
-950.0	97.5	-17
-950.0	112.5	-13
-950.0	127.5	-3
-950.0	142.5	7
-950.0	157.5	16
-950.0	172.5	19
-950.0	187.5	10
-950.0	202.5	1
-950.0	217.5	2
-950.0	232.5	5
-950.0	247.5	-3
-950.0	262.5	-5
-950.0	277.5	2
-950.0	292.5	-1
-950.0	307.5	-5
-950.0	322.5	-2
-950.0	337.5	-1
-950.0	352.5	-3
-950.0	367.5	0
-950.0	382.5	4
-950.0	397.5	4
-950.0	412.5	5
-950.0	427.5	4
-950.0	442.5	0
-950.0	457.5	0
-950.0	472.5	4
-950.0	487.5	3
-950.0	502.5	-1
-950.0	517.5	-3
-950.0	532.5	-4
-950.0	547.5	-1
-950.0	562.5	2
-950.0	577.5	0
-900.0	22.5	15
-900.0	37.5	22
-900.0	52.5	10
-900.0	67.5	-5
-900.0	82.5	-16
-900.0	97.5	-19

X(East)	Y(North)	Fraser
-900.0	112.5	-15
-900.0	127.5	-9
-900.0	142.5	-1
-900.0	157.5	6
-900.0	172.5	8
-900.0	187.5	4
-900.0	202.5	4
-900.0	217.5	3
-900.0	232.5	1
-900.0	247.5	2
-900.0	262.5	1
-900.0	277.5	-2
-900.0	292.5	-5
-900.0	307.5	-3
-900.0	322.5	2
-900.0	337.5	3
-900.0	352.5	3
-900.0	367.5	2
-900.0	382.5	-1
-900.0	397.5	-3
-900.0	412.5	-3
-900.0	427.5	3
-900.0	442.5	6
-900.0	457.5	4
-900.0	472.5	3
-900.0	487.5	1
-900.0	502.5	2
-900.0	517.5	3
-900.0	532.5	0
-900.0	547.5	-2
-900.0	562.5	-4
-900.0	577.5	-4
-850.0	22.5	0
-850.0	37.5	-2
-850.0	52.5	-1
-850.0	67.5	3
-850.0	82.5	3
-850.0	97.5	-5
-850.0	112.5	-9
-850.0	127.5	-5
-850.0	142.5	3
-850.0	157.5	7
-850.0	172.5	2
-850.0	187.5	-1
-850.0	202.5	-2
-850.0	217.5	-2
-850.0	232.5	2
-850.0	247.5	2
-850.0	262.5	1
-850.0	277.5	1
-850.0	292.5	-2
-850.0	307.5	-3
-850.0	322.5	1
-850.0	337.5	3
-850.0	352.5	0
-850.0	367.5	0
-850.0	382.5	4
-850.0	397.5	3
-850.0	412.5	-1
-850.0	427.5	-2
-850.0	442.5	-2
-850.0	457.5	0
-850.0	472.5	3
-850.0	487.5	4
-850.0	502.5	5
-850.0	517.5	4
-850.0	532.5	-2
-850.0	547.5	-1
-850.0	562.5	1
-850.0	577.5	-3
-850.0	592.5	-1
-800.0	22.5	4
-800.0	37.5	-3
-800.0	52.5	-7
-800.0	67.5	-7
-800.0	82.5	-5

X(East)	Y(North)	Fraser
-800.0	97.5	-5
-800.0	112.5	-6
-800.0	127.5	-3
-800.0	142.5	5
-800.0	157.5	9
-800.0	172.5	7
-800.0	187.5	2
-800.0	202.5	-6
-800.0	217.5	-5
-800.0	232.5	3
-800.0	247.5	0
-800.0	262.5	-4
-800.0	277.5	-1
-800.0	292.5	-3
-800.0	307.5	-3
-800.0	322.5	1
-800.0	337.5	2
-800.0	352.5	3
-800.0	367.5	4
-800.0	382.5	4
-800.0	397.5	2
-800.0	412.5	2
-800.0	427.5	2
-800.0	442.5	-1
-800.0	457.5	-1
-800.0	472.5	0
-800.0	487.5	2
-800.0	502.5	4
-800.0	517.5	5
-800.0	532.5	2
-800.0	547.5	-6
-800.0	562.5	-6
-800.0	577.5	-1
-750.0	22.5	0
-750.0	37.5	-4
-750.0	52.5	-1
-750.0	67.5	-1
-750.0	82.5	-9
-750.0	97.5	-13
-750.0	112.5	-7
-750.0	127.5	-1
-750.0	142.5	0
-750.0	157.5	5
-750.0	172.5	7
-750.0	187.5	1
-750.0	202.5	-4
-750.0	217.5	-5
-750.0	232.5	2
-750.0	247.5	4
-750.0	262.5	-3
-750.0	277.5	-9
-750.0	292.5	-13
-750.0	307.5	-6
-750.0	322.5	8
-750.0	337.5	12
-750.0	352.5	6
-750.0	367.5	4
-750.0	382.5	3
-750.0	397.5	2
-750.0	412.5	5
-750.0	427.5	4
-750.0	442.5	2
-750.0	457.5	0
-750.0	472.5	1
-750.0	487.5	3
-750.0	502.5	3
-750.0	517.5	3
-750.0	532.5	-2
-750.0	547.5	-5
-750.0	562.5	-2
-750.0	577.5	-1
-700.0	22.5	3
-700.0	37.5	3
-700.0	52.5	-5
-700.0	67.5	-11
-700.0	82.5	-13

X(East)	Y(North)	Fraser
-700.0	97.5	-12
-700.0	112.5	-3
-700.0	127.5	-1
-700.0	142.5	-5
-700.0	157.5	0
-700.0	172.5	2
-700.0	187.5	-2
-700.0	202.5	-7
-700.0	217.5	-7
-700.0	232.5	-2
-700.0	247.5	-1
-700.0	262.5	-2
-700.0	277.5	-5
-700.0	292.5	-5
-700.0	307.5	5
-700.0	322.5	12
-700.0	337.5	9
-700.0	352.5	5
-700.0	367.5	3
-700.0	382.5	3
-700.0	397.5	4
-700.0	412.5	4
-700.0	427.5	4
-700.0	442.5	4
-700.0	457.5	3
-700.0	472.5	2
-700.0	487.5	4
-700.0	502.5	3
-700.0	517.5	-2
-700.0	532.5	-2
-700.0	547.5	-1
-700.0	562.5	-2
-700.0	577.5	0
-650.0	22.5	-1
-650.0	37.5	-3
-650.0	52.5	-3
-650.0	67.5	-1
-650.0	82.5	-2
-650.0	97.5	-8
-650.0	112.5	-6
-650.0	127.5	-2
-650.0	142.5	0
-650.0	157.5	0
-650.0	172.5	-3
-650.0	187.5	-2
-650.0	202.5	0
-650.0	217.5	0
-650.0	232.5	-4
-650.0	247.5	-7
-650.0	262.5	-7
-650.0	277.5	-9
-650.0	292.5	-5
-650.0	307.5	-2
-650.0	322.5	-5
-650.0	337.5	-2
-650.0	352.5	1
-650.0	367.5	-3
-650.0	382.5	-2
-650.0	397.5	5
-650.0	412.5	7
-650.0	427.5	6
-650.0	442.5	5
-650.0	457.5	5
-650.0	472.5	6
-650.0	487.5	2
-650.0	502.5	0
-650.0	517.5	5
-650.0	532.5	5
-650.0	547.5	0
-650.0	562.5	-3
-650.0	577.5	-1
-600.0	22.5	0
-600.0	37.5	-5
-600.0	52.5	-6
-600.0	67.5	-7
-600.0	82.5	-2

X(East)	Y(North)	Fraser
-600.0	97.5	4
-600.0	112.5	1
-600.0	127.5	0
-600.0	142.5	1
-600.0	157.5	1
-600.0	172.5	0
-600.0	187.5	-6
-600.0	202.5	-7
-600.0	217.5	-2
-600.0	232.5	-2
-600.0	247.5	-3
-600.0	262.5	-1
-600.0	277.5	-1
-600.0	292.5	-2
-600.0	307.5	1
-600.0	322.5	3
-600.0	337.5	-3
-600.0	352.5	-5
-600.0	367.5	0
-600.0	382.5	-2
-600.0	397.5	-2
-600.0	412.5	4
-600.0	427.5	3
-600.0	442.5	1
-600.0	457.5	1
-600.0	472.5	-1
-600.0	487.5	-1
-600.0	502.5	3
-600.0	517.5	3
-600.0	532.5	1
-600.0	547.5	4
-600.0	562.5	2
-600.0	577.5	-1
-550.0	22.5	-19
-550.0	37.5	-9
-550.0	52.5	-4
-550.0	67.5	-8
-550.0	82.5	-2
-550.0	97.5	6
-550.0	112.5	3
-550.0	127.5	-7
-550.0	142.5	-8
-550.0	157.5	-5
-550.0	172.5	-4
-550.0	187.5	-3
-550.0	202.5	-3
-550.0	217.5	-2
-550.0	232.5	-2
-550.0	247.5	-1
-550.0	262.5	-2
-550.0	277.5	-3
-550.0	292.5	-3
-550.0	307.5	-1
-550.0	322.5	3
-550.0	337.5	2
-550.0	352.5	0
-550.0	367.5	0
-550.0	382.5	-2
-550.0	397.5	-1
-550.0	412.5	6
-550.0	427.5	7
-550.0	442.5	-1
-550.0	457.5	-5
-550.0	472.5	-1
-550.0	487.5	3
-550.0	502.5	2
-550.0	517.5	-3
-550.0	532.5	-3
-550.0	547.5	-2
-550.0	562.5	-7
-550.0	577.5	-10
-500.0	22.5	-7
-500.0	37.5	-6
-500.0	52.5	-1
-500.0	67.5	2
-500.0	82.5	5

X(East)	Y(North)	Fraser
-500.0	97.5	1
-500.0	112.5	-9
-500.0	127.5	-2
-500.0	142.5	1
-500.0	157.5	-8
-500.0	172.5	-5
-500.0	187.5	-1
-500.0	202.5	-3
-500.0	217.5	-2
-500.0	232.5	0
-500.0	247.5	-1
-500.0	262.5	-3
-500.0	277.5	-2
-500.0	292.5	2
-500.0	307.5	3
-500.0	322.5	1
-500.0	337.5	-4
-500.0	352.5	-3
-500.0	367.5	6
-500.0	382.5	9
-500.0	397.5	4
-500.0	412.5	-3
-500.0	427.5	-4
-500.0	442.5	-4
-500.0	457.5	-5
-500.0	472.5	-5
-500.0	487.5	-5
-500.0	502.5	-2
-500.0	517.5	-5
-500.0	532.5	-9
-500.0	547.5	-5
-500.0	562.5	-4
-500.0	577.5	-6
-450.0	22.5	-5
-450.0	37.5	-14
-450.0	52.5	-15
-450.0	67.5	-7
-450.0	82.5	2
-450.0	97.5	6
-450.0	112.5	4
-450.0	127.5	4
-450.0	142.5	7
-450.0	157.5	3
-450.0	172.5	-7
-450.0	187.5	-8
-450.0	202.5	-3
-450.0	217.5	-3
-450.0	232.5	0
-450.0	247.5	1
-450.0	262.5	0
-450.0	277.5	5
-450.0	292.5	-1
-450.0	307.5	-6
-450.0	322.5	3
-450.0	337.5	4
-450.0	352.5	1
-450.0	367.5	3
-450.0	382.5	3
-450.0	397.5	-2
-450.0	412.5	-7
-450.0	427.5	-11
-450.0	442.5	-10
-450.0	457.5	1
-450.0	472.5	4
-450.0	487.5	-1
-450.0	502.5	-4
-450.0	517.5	-7
-450.0	532.5	-8
-450.0	547.5	-9
-450.0	562.5	-6
-450.0	577.5	0
-400.0	22.5	-10
-400.0	37.5	-7
-400.0	52.5	-2
-400.0	67.5	5
-400.0	82.5	9

X(East)	Y(North)	Fraser
-400.0	97.5	7
-400.0	112.5	1
-400.0	127.5	-5
-400.0	142.5	0
-400.0	157.5	4
-400.0	172.5	-2
-400.0	187.5	-2
-400.0	202.5	3
-400.0	217.5	0
-400.0	232.5	0
-400.0	247.5	3
-400.0	262.5	-4
-400.0	277.5	-9
-400.0	292.5	-4
-400.0	307.5	-4
-400.0	322.5	-11
-400.0	337.5	-7
-400.0	352.5	6
-400.0	367.5	12
-400.0	382.5	8
-400.0	397.5	-4
-400.0	412.5	-6
-400.0	427.5	3
-400.0	442.5	2
-400.0	457.5	-2
-400.0	472.5	-5
-400.0	487.5	-7
-400.0	502.5	-3
-400.0	517.5	5
-400.0	532.5	9
-400.0	547.5	1
-400.0	562.5	-2
-400.0	577.5	3
-350.0	22.5	1
-350.0	37.5	0
-350.0	52.5	-9
-350.0	67.5	-9
-350.0	82.5	8
-350.0	97.5	18
-350.0	112.5	4
-350.0	127.5	-6
-350.0	142.5	1
-350.0	157.5	8
-350.0	172.5	6
-350.0	187.5	-2
-350.0	202.5	-6
-350.0	217.5	-10
-350.0	232.5	-8
-350.0	247.5	-1
-350.0	262.5	0
-350.0	277.5	0
-350.0	292.5	-1
-350.0	307.5	1
-350.0	322.5	2
-350.0	337.5	-1
-350.0	352.5	1
-350.0	367.5	4
-350.0	382.5	3
-350.0	397.5	0
-350.0	412.5	-1
-350.0	427.5	-5
-350.0	442.5	-9
-350.0	457.5	-2
-350.0	472.5	3
-350.0	487.5	0
-350.0	502.5	0
-350.0	517.5	5
-350.0	532.5	3
-350.0	547.5	1
-350.0	562.5	4
-350.0	577.5	1
-300.0	22.5	-2
-300.0	37.5	-6
-300.0	52.5	-3
-300.0	67.5	3
-300.0	82.5	3

X(East)	Y(North)	Fraser
-300.0	97.5	1
-300.0	112.5	-2
-300.0	127.5	-1
-300.0	142.5	3
-300.0	157.5	1
-300.0	172.5	-3
-300.0	187.5	-5
-300.0	202.5	-4
-300.0	217.5	1
-300.0	232.5	4
-300.0	247.5	2
-300.0	262.5	1
-300.0	277.5	0
-300.0	292.5	-4
-300.0	307.5	-8
-300.0	322.5	-7
-300.0	337.5	4
-300.0	352.5	10
-300.0	367.5	6
-300.0	382.5	5
-300.0	397.5	-2
-300.0	412.5	-13
-300.0	427.5	-11
-300.0	442.5	-4
-300.0	457.5	1
-300.0	472.5	2
-300.0	487.5	1
-300.0	502.5	2
-300.0	517.5	1
-300.0	532.5	2
-300.0	547.5	1
-300.0	562.5	-5
-300.0	577.5	-1
-250.0	22.5	-1
-250.0	37.5	-5
-250.0	52.5	-2
-250.0	67.5	2
-250.0	82.5	2
-250.0	97.5	-3
-250.0	112.5	-1
-250.0	127.5	7
-250.0	142.5	6
-250.0	157.5	0
-250.0	172.5	1
-250.0	187.5	5
-250.0	202.5	1
-250.0	217.5	-2
-250.0	232.5	-1
-250.0	247.5	-3
-250.0	262.5	-3
-250.0	277.5	-4
-250.0	292.5	-3
-250.0	307.5	2
-250.0	322.5	5
-250.0	337.5	5
-250.0	352.5	0
-250.0	367.5	-4
-250.0	382.5	-4
-250.0	397.5	-1
-250.0	412.5	2
-250.0	427.5	-1
-250.0	442.5	-3
-250.0	457.5	2
-250.0	472.5	4
-250.0	487.5	-1
-250.0	502.5	0
-250.0	517.5	2
-250.0	532.5	2
-250.0	547.5	3
-250.0	562.5	-1
-250.0	577.5	0
-200.0	22.5	11
-200.0	37.5	2
-200.0	52.5	-4
-200.0	67.5	-5
-200.0	82.5	-3
-200.0	97.5	-6
-200.0	112.5	-4
-200.0	127.5	12
-200.0	142.5	16
-200.0	157.5	3
-200.0	172.5	-8
-200.0	187.5	-9
-200.0	202.5	1
-200.0	217.5	5
-200.0	232.5	-3
-200.0	247.5	-5
-200.0	262.5	-2
-200.0	277.5	-3
-200.0	292.5	-3
-200.0	307.5	-2
-200.0	322.5	-3
-200.0	337.5	-1
-200.0	352.5	9
-200.0	367.5	12
-200.0	382.5	-2
-200.0	397.5	-15
-200.0	412.5	-14
-200.0	427.5	-2
-200.0	442.5	6
-200.0	457.5	5
-200.0	472.5	5
-200.0	487.5	4
-200.0	502.5	5
-200.0	517.5	8
-200.0	532.5	5
-200.0	547.5	2
-200.0	562.5	0
-200.0	577.5	-2
-150.0	22.5	6
-150.0	37.5	2
-150.0	52.5	-2
-150.0	67.5	-8
-150.0	82.5	-9
-150.0	97.5	-2
-150.0	112.5	6
-150.0	127.5	13
-150.0	142.5	12
-150.0	157.5	2
-150.0	172.5	-9
-150.0	187.5	-12
-150.0	202.5	-4
-150.0	217.5	-1
-150.0	232.5	-6
-150.0	247.5	-4
-150.0	262.5	4
-150.0	277.5	7
-150.0	292.5	3
-150.0	307.5	-5
-150.0	322.5	-10
-150.0	337.5	-2
-150.0	352.5	6
-150.0	367.5	2
-150.0	382.5	-4
-150.0	397.5	-11
-150.0	412.5	-14
-150.0	427.5	-4
-150.0	442.5	7
-150.0	457.5	10
-150.0	472.5	8
-150.0	487.5	6
-150.0	502.5	6
-150.0	517.5	6
-150.0	532.5	3
-150.0	547.5	-4
-150.0	562.5	-4
-150.0	577.5	-1
-100.0	22.5	-2
-100.0	37.5	-3
-100.0	52.5	0
-100.0	67.5	0
-100.0	82.5	0
-100.0	97.5	-2
-100.0	112.5	-2
-100.0	127.5	-1
-100.0	142.5	-4
-100.0	157.5	-1
-100.0	172.5	3
-100.0	187.5	-3
-100.0	202.5	-5
-100.0	217.5	-3
-100.0	232.5	-7
-100.0	247.5	-7
-100.0	262.5	0
-100.0	277.5	5
-100.0	292.5	3
-100.0	307.5	2
-100.0	322.5	4
-100.0	337.5	4
-100.0	352.5	3
-100.0	367.5	-3
-100.0	382.5	-10
-100.0	397.5	-11
-100.0	412.5	-13
-100.0	427.5	-15
-100.0	442.5	-5
-100.0	457.5	6
-100.0	472.5	7
-100.0	487.5	9
-100.0	502.5	12
-100.0	517.5	13
-100.0	532.5	12
-100.0	547.5	6
-100.0	562.5	-3
-100.0	577.5	-9
-50.0	22.5	-1
-50.0	37.5	-1
-50.0	52.5	2
-50.0	67.5	3
-50.0	82.5	-1
-50.0	97.5	-3
-50.0	112.5	0
-50.0	127.5	-2
-50.0	142.5	-6
-50.0	157.5	-3
-50.0	172.5	-2
-50.0	187.5	-1
-50.0	202.5	1
-50.0	217.5	-3
-50.0	232.5	-4
-50.0	247.5	-3
-50.0	262.5	-4
-50.0	277.5	-2
-50.0	292.5	0
-50.0	307.5	2
-50.0	322.5	3
-50.0	337.5	1
-50.0	352.5	-2
-50.0	367.5	-4
-50.0	382.5	-4
-50.0	397.5	-6
-50.0	412.5	-9
-50.0	427.5	-12
-50.0	442.5	-5
-50.0	457.5	5
-50.0	472.5	2
-50.0	487.5	-1
-50.0	502.5	-1
-50.0	517.5	-2
-50.0	532.5	2
-50.0	547.5	9
-50.0	562.5	11
-50.0	577.5	5
0.0	22.5	4
0.0	37.5	0
0.0	52.5	1
0.0	67.5	3
0.0	82.5	-1

X(East)	Y(North)	Fraser
0.0	97.5	-1
0.0	112.5	1
0.0	127.5	-2
0.0	142.5	-2
0.0	157.5	2
0.0	172.5	1
0.0	187.5	-2
0.0	202.5	4
0.0	217.5	8
0.0	232.5	0
0.0	247.5	-7

X(East)	Y(North)	Fraser
0.0	262.5	-7
0.0	277.5	-6
0.0	292.5	-2
0.0	307.5	2
0.0	322.5	-2
0.0	337.5	-6
0.0	352.5	-6
0.0	367.5	-4
0.0	382.5	-2
0.0	397.5	-2
0.0	412.5	0

X(East)	Y(North)	Fraser
0.0	427.5	0
0.0	442.5	-4
0.0	457.5	-6
0.0	472.5	-1
0.0	487.5	2
0.0	502.5	-1
0.0	517.5	2
0.0	532.5	5
0.0	547.5	3
0.0	562.5	0
0.0	577.5	-1

APPENDIX B

Spectral Analysis of Induced Polarization

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 800

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
0	1	170.4	203.0	2.1	47.34	.01	.30	-2000.00	-2000.000	3.79	-2000.00
	2	61.5	220.8	3.4	76.84	.10	.20	-2000.00	-2000.000	2.39	-2000.00
	3	31.7	227.0	5.8	41.89	.30	.60	-2000.00	-2000.000	13.56	-2000.00
	4	19.8	237.0	3.4	160.08	30.00	.10	-2000.00	-2000.000	25.88	-2000.00
	5	13.6	243.0	7.6	295.35	.01	.10	-2000.00	-2000.000	1.55	-2000.00
201	1	132.3	195.0	3.7	48.14	100.00	.40	-2000.00	-2000.000	29.81	-2000.00
	2	47.5	210.8	-1.7	21.17	.30	.80	-2000.00	-2000.000	123.27	-2000.00
	3	25.3	224.0	5.8	112.51	10.00	.20	-2000.00	-2000.000	3.94	-2000.00
	4	15.0	221.0	5.0	95.47	.03	.40	-2000.00	-2000.000	6.71	-2000.00
	5	9.9	219.5	7.8	304.32	.01	.10	-2000.00	-2000.000	2.11	-2000.00
203	1	193.6	186.0	2.4	51.78	.01	.20	-2000.00	-2000.000	9.77	-2000.00
	2	70.1	203.3	2.7	72.75	.01	.20	-2000.00	-2000.000	3.68	-2000.00
	3	39.5	229.0	4.3	175.09	.01	.10	-2000.00	-2000.000	2.58	-2000.00
	4	24.9	240.0	4.9	94.44	.03	.30	-2000.00	-2000.000	3.19	-2000.00
401	1	159.7	200.0	2.2	44.53	.03	.30	-2000.00	-2000.000	3.43	-2000.00
	2	50.6	190.6	3.6	93.05	.01	.20	-2000.00	-2000.000	1.81	-2000.00
	3	27.0	204.0	5.5	115.68	.10	.20	-2000.00	-2000.000	1.44	-2000.00
	4	16.6	207.0	7.0	145.85	.10	.20	-2000.00	-2000.000	1.18	-2000.00
	5	10.7	202.0	8.2	321.21	.01	.10	-2000.00	-2000.000	1.38	-2000.00
403	1	190.0	198.0	1.6	41.58	.01	.30	-2000.00	-2000.000	2.97	-2000.00
	2	72.4	227.5	2.3	46.32	.03	.30	-2000.00	-2000.000	2.85	-2000.00
	3	39.9	251.0	3.9	157.02	.10	.10	-2000.00	-2000.000	4.52	-2000.00
601	1	187.3	204.0	2.1	29.11	.10	.40	-2000.00	-2000.000	4.38	-2000.00
	2	70.9	232.4	3.3	62.77	.03	.30	-2000.00	-2000.000	2.45	-2000.00
	3	30.9	202.0	5.2	201.72	.03	.10	-2000.00	-2000.000	2.08	-2000.00
	4	18.7	204.0	6.9	159.12	.03	.20	-2000.00	-2000.000	1.51	-2000.00
	5	12.4	202.0	9.2	326.51	.10	.10	-2000.00	-2000.000	1.16	-2000.00
603	1	178.6	213.0	1.4	37.40	.01	.30	-2000.00	-2000.000	7.12	-2000.00
	2	69.3	248.9	3.0	119.04	.01	.10	-2000.00	-2000.000	6.95	-2000.00
801	1	198.9	208.0	2.2	42.94	.03	.30	-2000.00	-2000.000	3.75	-2000.00
	2	73.3	230.3	3.3	64.57	.03	.30	-2000.00	-2000.000	2.45	-2000.00
	3	38.0	239.0	4.6	117.70	.01	.20	-2000.00	-2000.000	2.03	-2000.00
	4	18.8	196.0	5.8	137.84	.03	.20	-2000.00	-2000.000	2.48	-2000.00
	5	12.4	195.0	10.5	344.21	100.00	.10	-2000.00	-2000.000	2.52	-2000.00
803	1	200.1	209.0	1.6	40.74	.01	.30	-2000.00	-2000.000	3.92	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
1001	1	204.9	160.0	1.4	38.94	.01	.20	-2000.00	-2000.000	6.30	-2000.00
	2	86.9	204.8	2.9	56.20	.03	.30	-2000.00	-2000.000	2.42	-2000.00
	3	44.7	210.0	4.5	116.77	.01	.20	-2000.00	-2000.000	1.24	-2000.00
	4	26.1	205.0	5.8	125.40	.10	.20	-2000.00	-2000.000	2.49	-2000.00
	5	14.1	165.0	8.1	316.02	.01	.10	-2000.00	-2000.000	1.31	-2000.00
1201	1	205.8	224.0	1.7	33.14	.03	.30	-2000.00	-2000.000	5.31	-2000.00
	2	60.3	197.7	1.7	38.61	.03	.40	-2000.00	-2000.000	6.56	-2000.00
	3	33.3	218.0	3.8	62.16	.10	.30	-2000.00	-2000.000	2.11	-2000.00
	4	19.0	206.0	5.8	124.33	.10	.20	-2000.00	-2000.000	2.28	-2000.00
	5	11.9	195.0	7.3	290.44	.01	.10	-2000.00	-2000.000	2.00	-2000.00
1401	1	232.8	278.0	1.9	47.39	.01	.30	-2000.00	-2000.000	2.37	-2000.00
	2	88.3	316.8	2.1	50.56	.01	.30	-2000.00	-2000.000	1.93	-2000.00
	3	33.9	243.0	2.7	54.57	.03	.30	-2000.00	-2000.000	2.49	-2000.00
	4	20.3	242.0	5.1	116.69	.03	.20	-2000.00	-2000.000	2.25	-2000.00
	5	12.1	218.0	6.6	152.69	.03	.20	-2000.00	-2000.000	1.22	-2000.00
1601	1	154.2	203.0	1.6	32.64	.03	.30	-2000.00	-2000.000	3.99	-2000.00
	2	85.0	337.2	2.0	39.83	.03	.30	-2000.00	-2000.000	3.42	-2000.00
	3	47.4	376.0	2.7	52.50	.03	.30	-2000.00	-2000.000	3.65	-2000.00
	4	20.9	275.0	3.6	96.46	.01	.20	-2000.00	-2000.000	2.75	-2000.00
	5	13.3	264.0	8.3	141.29	100.00	.30	-2000.00	-2000.000	6.73	-2000.00
1801	1	144.8	191.0	2.0	49.09	.01	.30	-2000.00	-2000.000	2.28	-2000.00
	2	41.4	164.3	2.3	62.52	.01	.20	-2000.00	-2000.000	2.95	-2000.00
	3	35.3	280.0	2.8	75.49	.01	.20	-2000.00	-2000.000	3.53	-2000.00
	4	24.0	317.0	4.0	74.25	.03	.30	-2000.00	-2000.000	3.10	-2000.00
	5	11.7	232.0	4.8	107.71	.10	.20	-2000.00	-2000.000	5.06	-2000.00
2001	1	178.3	179.0	1.9	31.07	.10	.30	-2000.00	-2000.000	3.91	-2000.00
	2	50.2	151.4	2.9	55.24	.03	.30	-2000.00	-2000.000	2.18	-2000.00
	3	21.6	130.0	3.5	143.65	.01	.10	-2000.00	-2000.000	3.29	-2000.00
	4	22.0	221.0	3.9	106.65	.01	.20	-2000.00	-2000.000	3.01	-2000.00
	5	17.0	256.0	5.8	127.70	.03	.20	-2000.00	-2000.000	6.29	-2000.00
2201	1	247.1	281.0	2.4	40.10	.10	.30	-2000.00	-2000.000	2.63	-2000.00
	2	59.6	204.2	3.0	71.12	.03	.20	-2000.00	-2000.000	2.55	-2000.00
	3	23.5	161.0	3.9	74.65	.03	.30	-2000.00	-2000.000	2.63	-2000.00
	4	11.4	129.0	5.1	36.16	.30	.60	-2000.00	-2000.000	20.89	-2000.00
	5	12.6	215.0	5.7	225.94	30.00	.10	-2000.00	-2000.000	12.79	-2000.00
2401	1	165.5	207.0	2.2	43.33	.03	.30	-2000.00	-2000.000	2.70	-2000.00
	2	61.2	230.7	3.5	84.67	.03	.20	-2000.00	-2000.000	1.98	-2000.00
	3	25.2	190.0	4.7	185.84	.10	.10	-2000.00	-2000.000	3.06	-2000.00
	4	11.8	147.0	5.5	73.77	.30	.30	-2000.00	-2000.000	4.29	-2000.00
	5	6.2	116.7	6.8	134.09	.10	.20	-2000.00	-2000.000	5.43	-2000.00
2601	1	250.6	299.0	3.0	80.87	.01	.20	-2000.00	-2000.000	2.40	-2000.00
	2	60.4	216.7	3.5	82.14	.03	.20	-2000.00	-2000.000	2.77	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	33.3	239.0	3.8	32.43	.30	.60	-2000.00	-2000.000	2.77	-2000.00
	4	16.2	193.0	8.2	142.38	100.00	.30	-2000.00	-2000.000	6.15	-2000.00
	5	8.3	148.6	7.9	142.63	3.00	.20	-2000.00	-2000.000	6.09	-2000.00
2801	1	151.3	189.0	2.3	64.30	.01	.20	-2000.00	-2000.000	3.09	-2000.00
	2	53.0	199.8	3.7	79.63	.10	.20	-2000.00	-2000.000	2.22	-2000.00
	3	22.4	168.0	4.7	181.11	30.00	.10	-2000.00	-2000.000	4.32	-2000.00
	4	15.3	191.0	6.9	156.06	.03	.20	-2000.00	-2000.000	5.74	-2000.00
	5	8.1	151.9	8.2	60.70	1.00	.50	-2000.00	-2000.000	6.23	-2000.00
3001	1	185.5	232.0	3.2	75.40	.03	.20	-2000.00	-2000.000	3.46	-2000.00
	2	46.4	174.9	3.4	89.74	.01	.20	-2000.00	-2000.000	3.04	-2000.00
	3	24.2	182.0	5.3	120.55	.03	.20	-2000.00	-2000.000	1.93	-2000.00
	4	12.2	152.0	6.1	277.40	.01	.10	-2000.00	-2000.000	7.06	-2000.00
	5	9.2	174.0	10.5	312.83	.30	.10	-2000.00	-2000.000	9.43	-2000.00
3201	1	205.8	258.0	2.7	64.42	.03	.20	-2000.00	-2000.000	3.03	-2000.00
	2	68.0	256.3	3.7	97.54	.01	.20	-2000.00	-2000.000	2.19	-2000.00
	3	24.6	185.0	5.0	202.81	.01	.10	-2000.00	-2000.000	2.26	-2000.00
	4	14.8	185.0	6.4	90.27	.30	.30	-2000.00	-2000.000	1.66	-2000.00
	5	8.2	154.5	8.8	308.38	.10	.10	-2000.00	-2000.000	3.48	-2000.00
3401	1	200.1	239.0	2.0	39.14	.03	.30	-2000.00	-2000.000	2.81	-2000.00
	2	68.5	245.9	3.0	80.84	.01	.20	-2000.00	-2000.000	2.56	-2000.00
	3	34.6	248.0	4.5	117.20	.01	.20	-2000.00	-2000.000	1.73	-2000.00
	4	15.3	183.0	6.0	245.26	.01	.10	-2000.00	-2000.000	3.07	-2000.00
	5	10.3	185.0	8.2	317.13	.01	.10	-2000.00	-2000.000	1.76	-2000.00
3601	1	606.1	800.0	4.7	182.73	.10	.10	-2000.00	-2000.000	1.92	-2000.00
	2	66.9	265.6	3.1	26.02	.30	.60	-2000.00	-2000.000	6.61	-2000.00
	3	32.2	256.0	3.6	91.36	.01	.20	-2000.00	-2000.000	1.60	-2000.00
	4	18.8	247.0	5.6	137.43	.01	.20	-2000.00	-2000.000	2.28	-2000.00
	5	9.1	180.4	7.0	264.19	30.00	.10	-2000.00	-2000.000	3.15	-2000.00
3801	1	457.6	604.0	3.6	140.41	.10	.10	-2000.00	-2000.000	2.13	-2000.00
	2	100.6	399.0	3.4	141.97	.01	.10	-2000.00	-2000.000	2.07	-2000.00
	3	31.5	250.0	2.7	69.75	.01	.20	-2000.00	-2000.000	2.36	-2000.00
	4	19.3	254.0	3.5	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	12.6	251.0	6.3	202.99	100.00	.60	-2000.00	-2000.000	41.86	-2000.00
4001	1	393.2	616.0	4.3	160.51	10.00	.10	-2000.00	-2000.000	2.16	-2000.00
	2	54.2	255.4	2.8	112.57	.10	.10	-2000.00	-2000.000	3.35	-2000.00
	3	32.3	304.0	3.1	129.25	.01	.10	-2000.00	-2000.000	2.98	-2000.00
	4	15.1	236.0	2.4	48.65	.03	.40	-2000.00	-2000.000	4.40	-2000.00
	5	10.7	251.0	4.7	184.30	100.00	.10	-2000.00	-2000.000	3.24	-2000.00
4201	1	191.8	343.0	3.6	75.35	.10	.20	-2000.00	-2000.000	6.28	-2000.00
	2	42.9	230.8	3.1	81.58	.01	.20	-2000.00	-2000.000	21.65	-2000.00
	3	16.9	182.0	2.3	58.16	.03	.20	-2000.00	-2000.000	5.16	-2000.00
	4	13.5	241.0	3.1	26.56	.30	.50	-2000.00	-2000.000	7.86	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	5	7.4	200.0	3.0	25.31	.30	.60	-2000.00	-2000.000	16.04	-2000.00
4401	1	421.8	529.0	4.4	183.70	.01	.10	-2000.00	-2000.000	2.27	-2000.00
	2	64.2	241.8	3.3	79.89	.03	.20	-2000.00	-2000.000	2.71	-2000.00
	3	27.1	204.0	2.5	52.37	.03	.30	-2000.00	-2000.000	3.01	-2000.00
	4	12.2	153.0	2.5	21.21	.30	.50	-2000.00	-2000.000	16.07	-2000.00
	5	12.1	227.0	3.1	55.95	.03	.40	-2000.00	-2000.000	11.95	-2000.00
4601	1	374.4	522.0	4.6	187.05	.01	.10	-2000.00	-2000.000	1.87	-2000.00
	2	74.8	313.2	3.7	89.21	.03	.20	-2000.00	-2000.000	2.18	-2000.00
	3	24.2	202.0	2.6	53.10	.03	.30	-2000.00	-2000.000	2.19	-2000.00
	4	13.0	181.0	2.6	51.79	.03	.30	-2000.00	-2000.000	8.17	-2000.00
	5	6.6	138.3	3.0	113.68	100.00	.10	-2000.00	-2000.000	28.95	-2000.00
4801	1	431.3	636.0	4.9	201.77	.01	.10	-2000.00	-2000.000	2.08	-2000.00
	2	69.8	309.7	4.4	178.83	.01	.10	-2000.00	-2000.000	2.06	-2000.00
	3	28.4	252.0	3.3	87.20	.01	.20	-2000.00	-2000.000	2.47	-2000.00
	4	12.7	187.0	3.3	130.32	100.00	.10	-2000.00	-2000.000	7.00	-2000.00
	5	7.8	174.0	1.0	26.27	.10	.60	-2000.00	-2000.000	26.21	-2000.00
5001	1	762.3	1007.0	5.0	205.03	.01	.10	-2000.00	-2000.000	2.15	-2000.00
	2	105.1	417.0	4.8	179.44	3.00	.10	-2000.00	-2000.000	3.10	-2000.00
	3	31.3	248.0	3.6	95.10	.01	.20	-2000.00	-2000.000	2.35	-2000.00
	4	16.8	222.0	2.9	26.57	.30	.50	-2000.00	-2000.000	8.40	-2000.00
	5	8.9	176.8	3.0	69.62	.03	.20	-2000.00	-2000.000	11.41	-2000.00
5201	1	511.0	641.0	5.3	214.49	.01	.10	-2000.00	-2000.000	1.49	-2000.00
	2	101.2	381.0	4.5	176.99	.10	.10	-2000.00	-2000.000	2.78	-2000.00
	3	33.5	252.0	3.3	84.13	.03	.20	-2000.00	-2000.000	4.17	-2000.00
	4	15.6	195.0	3.4	29.93	.30	.50	-2000.00	-2000.000	4.54	-2000.00
	5	10.5	197.0	2.7	69.99	.01	.20	-2000.00	-2000.000	8.20	-2000.00
5401	1	632.4	992.0	5.2	109.96	.10	.20	-2000.00	-2000.000	1.81	-2000.00
	2	72.7	342.5	4.7	182.62	1.00	.10	-2000.00	-2000.000	2.94	-2000.00
	3	28.4	267.0	3.4	83.50	.03	.20	-2000.00	-2000.000	3.11	-2000.00
	4	13.7	215.0	3.4	27.02	.30	.60	-2000.00	-2000.000	9.21	-2000.00
	5	7.6	180.0	3.3	78.40	100.00	.20	-2000.00	-2000.000	15.17	-2000.00
5601	1	472.3	697.0	4.6	109.77	.03	.20	-2000.00	-2000.000	3.09	-2000.00
	2	100.2	444.0	4.7	118.36	.01	.20	-2000.00	-2000.000	2.76	-2000.00
	3	28.0	248.0	3.7	95.79	.01	.20	-2000.00	-2000.000	2.30	-2000.00
	4	15.3	225.0	3.6	84.34	.03	.20	-2000.00	-2000.000	4.26	-2000.00
	5	9.3	206.6	3.3	146.56	.01	.10	-2000.00	-2000.000	5.71	-2000.00
5801	1	176.5	260.0	2.6	54.28	.03	.30	-2000.00	-2000.000	5.11	-2000.00
	2	48.2	213.6	5.6	113.91	100.00	.20	-2000.00	-2000.000	10.62	-2000.00
	3	22.1	195.0	3.6	93.48	.01	.20	-2000.00	-2000.000	2.29	-2000.00
	4	8.6	127.3	2.8	69.38	.03	.20	-2000.00	-2000.000	5.78	-2000.00
	5	5.8	128.5	2.9	54.71	.03	.30	-2000.00	-2000.000	10.26	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 1150

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
20	1	512.8	559.0	16.7	492.76	100.00	.10	-2000.00	-2000.000	.95	-2000.00
40	1	674.4	360.0	9.3	211.42	.03	.20	-2000.00	-2000.000	.72	-2000.00
	2	445.0	713.0	20.5	338.97	10.00	.20	-2000.00	-2000.000	.93	-2000.00
60	1	272.7	145.0	25.7	405.10	10.00	.20	-2000.00	-2000.000	1.02	-2000.00
	2	149.0	239.0	29.1	444.25	10.00	.20	-2000.00	-2000.000	1.10	-2000.00
	3	118.3	380.0	38.3	553.00	100.00	.20	-2000.00	-2000.000	.88	-2000.00
80	1	70.4	44.1	44.7	604.66	100.00	.20	-2000.00	-2000.000	.46	-2000.00
	2	19.1	35.9	43.4	592.24	100.00	.20	-2000.00	-2000.000	.62	-2000.00
	3	15.4	58.0	39.9	568.54	100.00	.20	-2000.00	-2000.000	1.08	-2000.00
	4	15.5	97.0	41.6	577.53	100.00	.20	-2000.00	-2000.000	.77	-2000.00
100	1	41.7	34.8	41.6	578.93	100.00	.20	-2000.00	-2000.000	1.03	-2000.00
	2	3.8	9.5	27.7	423.22	3.00	.20	-2000.00	-2000.000	2.29	-2000.00
	3	3.1	15.3	13.3	71.63	.30	.80	-2000.00	-2000.000	40.59	-2000.00
	4	4.1	34.2	19.0	372.07	100.00	.20	-2000.00	-2000.000	11.49	-2000.00
	5	5.4	68.1	21.2	583.70	10.00	.10	-2000.00	-2000.000	.80	-2000.00
120	1	66.6	36.7	29.6	449.94	10.00	.20	-2000.00	-2000.000	.65	-2000.00
	2	10.7	17.7	29.2	441.14	10.00	.20	-2000.00	-2000.000	2.23	-2000.00
	3	4.1	13.6	18.2	303.18	3.00	.20	-2000.00	-2000.000	1.88	-2000.00
	4	4.0	21.8	8.9	352.29	.01	.10	-2000.00	-2000.000	7.68	-2000.00
	5	5.6	46.0	18.5	331.36	.30	.20	-2000.00	-2000.000	1.04	-2000.00
140	1	41.8	24.9	32.3	476.69	10.00	.20	-2000.00	-2000.000	.52	-2000.00
	2	5.1	9.1	29.9	476.38	100.00	.20	-2000.00	-2000.000	1.69	-2000.00
	3	6.9	24.7	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	4	3.8	22.9	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	3.7	32.7	9.9	207.32	.10	.20	-2000.00	-2000.000	1.26	-2000.00
160	1	109.2	80.0	22.6	373.07	30.00	.20	-2000.00	-2000.000	1.12	-2000.00
	2	4.3	9.6	29.3	492.47	.30	.20	-2000.00	-2000.000	2.69	-2000.00
	3	2.4	10.5	26.8	125.28	1.00	.70	-2000.00	-2000.000	5.96	-2000.00
	4	4.1	30.0	26.3	431.51	30.00	.20	-2000.00	-2000.000	5.88	-2000.00
	5	2.3	25.9	15.3	280.16	.30	.20	-2000.00	-2000.000	1.60	-2000.00
180	1	97.9	66.4	19.4	330.69	30.00	.20	-2000.00	-2000.000	.80	-2000.00
	2	3.7	7.5	39.1	549.79	30.00	.20	-2000.00	-2000.000	.98	-2000.00
	3	.4	1.7	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	4	.8	5.4	32.1	365.88	100.00	.30	-2000.00	-2000.000	18.98	-2000.00
	5	2.0	20.5	28.7	875.67	.10	.10	-2000.00	-2000.000	6.96	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
200	1	269.7	153.0	36.4	534.49	100.00	.20	-2000.00	-2000.000	.60	-2000.00
	2	19.5	33.4	30.2	460.55	30.00	.20	-2000.00	-2000.000	.83	-2000.00
	3	1.5	5.3	47.8	514.27	100.00	.30	-2000.00	-2000.000	6.80	-2000.00
	4	.3	1.7	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	.8	6.5	33.0	286.47	.30	.50	-2000.00	-2000.000	5.86	-2000.00
220	1	1910.0	1190.0	9.6	350.86	.03	.10	-2000.00	-2000.000	.70	-2000.00
	2	116.2	219.0	33.8	499.11	30.00	.20	-2000.00	-2000.000	.84	-2000.00
	3	13.3	50.0	26.9	417.29	10.00	.20	-2000.00	-2000.000	1.01	-2000.00
	4	1.2	7.7	36.9	793.20	100.00	.10	-2000.00	-2000.000	6.18	-2000.00
	5	.1	1.3	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
240	1	1835.0	1350.0	4.8	93.04	.03	.30	-2000.00	-2000.000	1.93	-2000.00
	2	626.0	1388.0	10.7	360.85	1.00	.10	-2000.00	-2000.000	.94	-2000.00
	3	51.9	230.0	32.2	480.45	30.00	.20	-2000.00	-2000.000	.98	-2000.00
	4	8.7	63.9	24.1	414.72	100.00	.20	-2000.00	-2000.000	3.29	-2000.00
	5	.9	9.7	37.2	844.02	3.00	.10	-2000.00	-2000.000	2.03	-2000.00
260	1	1000.0	1090.0	2.1	51.89	.03	.20	-2000.00	-2000.000	7.53	-2000.00
	2	552.7	1811.0	5.8	62.67	.30	.40	-2000.00	-2000.000	4.51	-2000.00
	3	215.8	1410.0	11.5	374.32	30.00	.10	-2000.00	-2000.000	.80	-2000.00
	4	20.1	219.0	31.1	468.45	10.00	.20	-2000.00	-2000.000	1.02	-2000.00
	5	4.2	68.4	24.2	386.92	10.00	.20	-2000.00	-2000.000	1.25	-2000.00
280	1	1331.0	1330.0	4.4	103.61	.03	.20	-2000.00	-2000.000	1.87	-2000.00
	2	376.8	1136.0	5.1	196.71	.10	.10	-2000.00	-2000.000	2.04	-2000.00
	3	247.7	1490.0	8.9	313.68	.30	.10	-2000.00	-2000.000	1.95	-2000.00
	4	103.0	1030.0	13.7	181.51	.30	.30	-2000.00	-2000.000	1.99	-2000.00
	5	11.5	173.0	32.5	484.89	30.00	.20	-2000.00	-2000.000	.86	-2000.00
300	1	925.3	627.0	9.4	318.94	30.00	.10	-2000.00	-2000.000	.95	-2000.00
	2	182.1	371.0	12.5	403.34	30.00	.10	-2000.00	-2000.000	1.53	-2000.00
	3	78.2	318.0	12.7	404.48	30.00	.10	-2000.00	-2000.000	.70	-2000.00
	4	67.6	458.0	15.1	472.89	1.00	.10	-2000.00	-2000.000	.75	-2000.00
	5	32.8	334.0	20.7	341.77	10.00	.20	-2000.00	-2000.000	.87	-2000.00
320	1	587.6	300.0	21.9	356.32	10.00	.20	-2000.00	-2000.000	.77	-2000.00
	2	260.6	401.0	22.9	370.66	10.00	.20	-2000.00	-2000.000	1.18	-2000.00
	3	83.9	258.0	18.9	538.17	100.00	.10	-2000.00	-2000.000	.81	-2000.00
	4	50.0	256.0	15.7	475.17	100.00	.10	-2000.00	-2000.000	.68	-2000.00
	5	51.9	399.0	15.3	473.43	3.00	.10	-2000.00	-2000.000	.71	-2000.00
340	1	183.1	120.0	32.5	485.15	30.00	.20	-2000.00	-2000.000	1.03	-2000.00
	2	173.4	344.0	26.9	675.03	100.00	.10	-2000.00	-2000.000	.52	-2000.00
	3	134.1	530.0	20.2	350.37	.30	.20	-2000.00	-2000.000	1.94	-2000.00
	4	46.7	308.0	17.9	286.46	100.00	.30	-2000.00	-2000.000	8.01	-2000.00
	5	28.9	286.0	13.8	432.37	100.00	.10	-2000.00	-2000.000	.71	-2000.00
360	1	696.7	416.0	4.3	99.56	.03	.20	-2000.00	-2000.000	1.53	-2000.00
	2	93.7	168.2	35.4	509.36	10.00	.20	-2000.00	-2000.000	1.10	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	110.5	390.0	26.9	680.26	30.00	.10	-2000.00	-2000.000	.47	-2000.00
	4	89.4	534.0	21.8	356.99	10.00	.20	-2000.00	-2000.000	1.27	-2000.00
	5	32.7	293.0	17.8	518.52	100.00	.10	-2000.00	-2000.000	.78	-2000.00
380	1	310.7	199.0	3.6	84.61	.03	.20	-2000.00	-2000.000	1.32	-2000.00
	2	112.6	217.0	9.1	344.80	.01	.10	-2000.00	-2000.000	.83	-2000.00
	3	25.2	97.0	39.3	548.44	10.00	.20	-2000.00	-2000.000	1.21	-2000.00
	4	40.2	258.0	30.0	718.51	100.00	.10	-2000.00	-2000.000	.49	-2000.00
	5	36.2	349.0	24.0	629.25	100.00	.10	-2000.00	-2000.000	.99	-2000.00
400	1	525.9	293.0	2.2	44.12	.03	.30	-2000.00	-2000.000	3.20	-2000.00
	2	174.3	292.0	5.1	108.91	.10	.20	-2000.00	-2000.000	1.57	-2000.00
	3	59.4	199.0	11.7	401.37	.10	.10	-2000.00	-2000.000	.73	-2000.00
	4	16.5	91.0	41.8	575.66	30.00	.20	-2000.00	-2000.000	1.61	-2000.00
	5	31.2	261.0	30.4	724.87	100.00	.10	-2000.00	-2000.000	.60	-2000.00
420	1	472.8	312.0	3.8	41.64	.30	.40	-2000.00	-2000.000	2.77	-2000.00
	2	163.9	325.0	3.8	83.82	.10	.20	-2000.00	-2000.000	2.77	-2000.00
	3	71.9	285.0	6.9	257.18	.10	.10	-2000.00	-2000.000	.86	-2000.00
	4	27.0	178.0	13.6	439.51	1.00	.10	-2000.00	-2000.000	1.43	-2000.00
	5	8.6	85.4	43.1	582.18	10.00	.20	-2000.00	-2000.000	.96	-2000.00
440	1	387.6	294.0	2.3	45.43	.03	.30	-2000.00	-2000.000	2.38	-2000.00
	2	117.5	268.0	3.2	84.47	.01	.20	-2000.00	-2000.000	2.17	-2000.00
	3	64.1	293.0	5.7	230.00	.01	.10	-2000.00	-2000.000	1.23	-2000.00
	4	32.8	249.0	9.1	327.04	.10	.10	-2000.00	-2000.000	1.44	-2000.00
	5	13.4	152.0	16.6	494.26	100.00	.10	-2000.00	-2000.000	.97	-2000.00
460	1	247.0	258.0	1.9	46.20	.01	.30	-2000.00	-2000.000	2.20	-2000.00
	2	107.9	338.0	2.7	54.05	.03	.30	-2000.00	-2000.000	2.47	-2000.00
	3	49.3	310.0	4.2	89.17	.10	.20	-2000.00	-2000.000	2.16	-2000.00
	4	29.2	305.0	6.5	140.43	.10	.20	-2000.00	-2000.000	2.09	-2000.00
	5	15.8	247.0	10.1	349.80	.30	.10	-2000.00	-2000.000	.59	-2000.00
480	1	152.9	225.8	1.7	42.43	.01	.30	-2000.00	-2000.000	2.48	-2000.00
	2	57.6	255.4	2.5	40.49	.10	.30	-2000.00	-2000.000	2.71	-2000.00
	3	34.9	309.6	3.4	65.22	.03	.30	-2000.00	-2000.000	1.93	-2000.00
	4	20.5	301.9	5.0	118.03	.03	.20	-2000.00	-2000.000	1.64	-2000.00
	5	11.6	258.1	9.9	375.31	.01	.10	-2000.00	-2000.000	1.85	-2000.00
500	1	232.4	243.1	2.0	50.05	.01	.30	-2000.00	-2000.000	1.60	-2000.00
	2	77.7	244.1	2.4	46.99	.03	.30	-2000.00	-2000.000	1.78	-2000.00
	3	41.7	262.2	2.6	35.97	.10	.40	-2000.00	-2000.000	2.05	-2000.00
	4	29.2	305.7	5.0	188.05	30.00	.10	-2000.00	-2000.000	2.78	-2000.00
	5	18.4	289.2	6.1	124.36	.10	.20	-2000.00	-2000.000	2.38	-2000.00
520	1	578.5	250.4	2.2	53.95	.01	.30	-2000.00	-2000.000	3.68	-2000.00
	2	162.0	210.6	3.0	78.40	.01	.20	-2000.00	-2000.000	9.24	-2000.00
	3	83.5	217.4	3.6	26.32	.30	.60	-2000.00	-2000.000	15.85	-2000.00
	4	52.6	227.6	3.0	142.90	.10	.10	-2000.00	-2000.000	17.84	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	5	40.5	263.6	5.4	125.61	.03	.20	-2000.00	-2000.000	2.08	-2000.00
540	1	521.5	261.8	2.2	43.33	.03	.30	-2000.00	-2000.000	2.15	-2000.00
	2	186.9	281.8	2.7	44.26	.10	.30	-2000.00	-2000.000	3.53	-2000.00
	3	76.7	231.7	2.9	58.43	.03	.30	-2000.00	-2000.000	3.48	-2000.00
	4	43.4	217.7	3.7	58.72	.10	.30	-2000.00	-2000.000	2.11	-2000.00
	5	29.2	220.4	4.6	190.45	.01	.10	-2000.00	-2000.000	2.16	-2000.00
560	1	399.9	264.1	2.5	40.79	.10	.30	-2000.00	-2000.000	2.12	-2000.00
	2	131.9	261.7	2.9	76.90	.01	.20	-2000.00	-2000.000	1.41	-2000.00
	3	68.6	272.5	2.9	71.60	.03	.20	-2000.00	-2000.000	8.08	-2000.00
	4	32.5	214.8	3.9	32.85	.30	.60	-2000.00	-2000.000	8.56	-2000.00
	5	19.5	193.8	5.2	38.33	.30	.50	-2000.00	-2000.000	15.48	-2000.00
580	1	279.3	369.0	3.3	77.50	.03	.20	-2000.00	-2000.000	1.24	-2000.00
	2	70.7	280.5	3.0	49.14	.10	.30	-2000.00	-2000.000	2.78	-2000.00
	3	31.7	252.0	3.0	81.45	.01	.20	-2000.00	-2000.000	2.98	-2000.00
	4	19.3	255.2	4.2	44.57	.30	.40	-2000.00	-2000.000	5.47	-2000.00
	5	9.8	194.4	4.9	181.82	.03	.10	-2000.00	-2000.000	8.37	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 1200

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
60	1	96.3	60.4	55.0	513.74	10.00	.30	-2000.00	-2000.000	1.29	-2000.00
	2	55.4	104.4	41.1	574.38	100.00	.20	-2000.00	-2000.000	.90	-2000.00
	3	40.1	151.5	40.0	413.35	10.00	.30	-2000.00	-2000.000	1.37	-2000.00
80	1	72.5	60.6	39.5	549.95	30.00	.20	-2000.00	-2000.000	.82	-2000.00
	2	4.1	10.3	25.3	403.16	10.00	.20	-2000.00	-2000.000	1.21	-2000.00
	3	6.0	30.0	22.7	284.32	30.00	.30	-2000.00	-2000.000	3.62	-2000.00
	4	5.7	48.0	19.9	462.54	.01	.20	-2000.00	-2000.000	3.28	-2000.00
100	1	161.4	96.0	23.0	371.60	10.00	.20	-2000.00	-2000.000	.86	-2000.00
	2	9.3	16.7	35.8	513.58	10.00	.20	-2000.00	-2000.000	.70	-2000.00
	3	4.3	15.3	13.8	271.96	30.00	.20	-2000.00	-2000.000	12.05	-2000.00
	4	7.0	41.8	16.6	205.13	.30	.30	-2000.00	-2000.000	5.85	-2000.00
	5	6.9	61.7	20.4	341.29	10.00	.20	-2000.00	-2000.000	1.22	-2000.00
120	1	190.2	125.0	18.3	528.07	100.00	.10	-2000.00	-2000.000	.76	-2000.00
	2	10.1	20.0	34.8	505.98	10.00	.20	-2000.00	-2000.000	1.16	-2000.00
	3	3.8	14.9	31.8	465.13	10.00	.20	-2000.00	-2000.000	2.63	-2000.00
	4	3.1	20.3	14.2	360.89	.01	.20	-2000.00	-2000.000	4.99	-2000.00
	5	5.2	51.2	17.8	298.37	1.00	.20	-2000.00	-2000.000	1.88	-2000.00
140	1	535.5	480.0	13.8	441.65	1.00	.10	-2000.00	-2000.000	.88	-2000.00
	2	22.7	61.1	28.9	441.20	10.00	.20	-2000.00	-2000.000	1.07	-2000.00
	3	2.2	11.9	39.2	560.97	30.00	.20	-2000.00	-2000.000	5.10	-2000.00
	4	1.3	11.9	45.0	201.29	1.00	.70	-2000.00	-2000.000	4.76	-2000.00
	5	1.7	22.7	21.2	592.15	3.00	.10	-2000.00	-2000.000	1.74	-2000.00
160	1	233.1	139.0	18.8	324.64	30.00	.20	-2000.00	-2000.000	1.00	-2000.00
	2	32.6	58.4	29.0	447.55	30.00	.20	-2000.00	-2000.000	1.10	-2000.00
	3	2.0	7.3	43.6	527.62	100.00	.30	-2000.00	-2000.000	7.26	-2000.00
	4	1.4	8.5	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	.9	7.9	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
180	1	950.8	615.0	10.7	213.54	100.00	.20	-2000.00	-2000.000	1.15	-2000.00
	2	25.0	48.5	28.0	434.61	30.00	.20	-2000.00	-2000.000	.86	-2000.00
	3	10.4	40.0	24.6	384.42	10.00	.20	-2000.00	-2000.000	2.94	-2000.00
	4	.9	6.1	26.1	260.61	.30	.60	-2000.00	-2000.000	13.15	-2000.00
	5	.9	8.3	48.5	486.86	30.00	.30	-2000.00	-2000.000	5.54	-2000.00
200	1	1788.0	1280.0	8.7	179.18	.10	.20	-2000.00	-2000.000	.82	-2000.00
	2	72.9	157.0	31.6	488.19	100.00	.20	-2000.00	-2000.000	.58	-2000.00
	3	11.0	47.0	24.1	382.81	30.00	.20	-2000.00	-2000.000	2.59	-2000.00
	4	6.0	42.8	20.5	194.67	1.00	.40	-2000.00	-2000.000	3.59	-2000.00
	5	.6	6.3	36.7	534.22	30.00	.20	-2000.00	-2000.000	3.79	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
220	1	2534.0	1670.0	6.5	166.25	.01	.20	-2000.00	-2000.000	1.10	-2000.00
	2	501.3	994.0	12.1	397.35	1.00	.10	-2000.00	-2000.000	.75	-2000.00
	3	29.1	115.0	38.9	552.67	100.00	.20	-2000.00	-2000.000	.87	-2000.00
	4	8.5	56.4	21.4	373.20	30.00	.20	-2000.00	-2000.000	3.70	-2000.00
	5	4.8	47.8	20.8	568.11	100.00	.10	-2000.00	-2000.000	1.27	-2000.00
240	1	1943.0	1280.0	6.8	144.58	100.00	.20	-2000.00	-2000.000	3.03	-2000.00
	2	711.1	1410.0	10.1	379.66	.01	.10	-2000.00	-2000.000	.76	-2000.00
	3	174.7	690.0	16.5	283.68	10.00	.20	-2000.00	-2000.000	.75	-2000.00
	4	12.8	84.0	42.8	593.14	100.00	.20	-2000.00	-2000.000	1.20	-2000.00
	5	6.0	59.4	23.3	374.12	10.00	.20	-2000.00	-2000.000	1.74	-2000.00
260	1	416.8	217.0	30.0	244.62	3.00	.40	-2000.00	-2000.000	2.74	-2000.00
	2	302.5	475.0	20.9	597.92	30.00	.10	-2000.00	-2000.000	5.21	-2000.00
	3	216.5	680.0	22.5	603.91	100.00	.10	-2000.00	-2000.000	.61	-2000.00
	4	61.3	320.0	29.2	451.69	30.00	.20	-2000.00	-2000.000	1.11	-2000.00
	5	6.6	51.6	53.1	503.87	10.00	.30	-2000.00	-2000.000	1.17	-2000.00
280	1	129.8	98.0	33.8	498.98	30.00	.20	-2000.00	-2000.000	1.10	-2000.00
	2	104.8	239.0	23.7	622.98	100.00	.10	-2000.00	-2000.000	1.11	-2000.00
	3	108.5	490.0	22.0	597.02	100.00	.10	-2000.00	-2000.000	.55	-2000.00
	4	86.9	661.0	23.6	643.23	3.00	.10	-2000.00	-2000.000	.47	-2000.00
	5	25.4	290.0	31.0	462.84	10.00	.20	-2000.00	-2000.000	.84	-2000.00
300	1	110.6	154.0	33.8	497.42	30.00	.20	-2000.00	-2000.000	.95	-2000.00
	2	49.9	209.1	23.6	291.44	30.00	.30	-2000.00	-2000.000	14.36	-2000.00
	3	41.7	350.0	16.0	279.65	10.00	.20	-2000.00	-2000.000	1.58	-2000.00
	4	43.3	604.0	14.6	453.96	3.00	.10	-2000.00	-2000.000	.96	-2000.00
	5	35.1	734.0	16.3	527.71	.10	.10	-2000.00	-2000.000	.70	-2000.00
320	1	253.1	198.0	44.1	910.83	10.00	.10	-2000.00	-2000.000	.66	-2000.00
	2	82.2	193.7	29.1	450.55	30.00	.20	-2000.00	-2000.000	2.26	-2000.00
	3	46.8	220.0	22.7	375.31	30.00	.20	-2000.00	-2000.000	1.32	-2000.00
	4	40.6	318.0	17.0	288.37	10.00	.20	-2000.00	-2000.000	.93	-2000.00
	5	43.3	510.0	15.3	466.48	100.00	.10	-2000.00	-2000.000	.73	-2000.00
340	1	761.9	398.0	14.9	456.58	30.00	.10	-2000.00	-2000.000	.75	-2000.00
	2	67.9	106.7	61.3	722.84	10.00	.20	-2000.00	-2000.000	.92	-2000.00
	3	40.0	125.0	33.2	508.30	100.00	.20	-2000.00	-2000.000	1.38	-2000.00
	4	33.3	173.0	26.3	408.70	10.00	.20	-2000.00	-2000.000	.81	-2000.00
	5	30.1	236.0	20.3	564.47	100.00	.10	-2000.00	-2000.000	1.17	-2000.00
360	1	90.4	189.0	14.9	459.31	10.00	.10	-2000.00	-2000.000	.90	-2000.00
	2	48.3	303.5	24.0	630.34	100.00	.10	-2000.00	-2000.000	.76	-2000.00
	3	5.8	72.8	72.2	790.82	10.00	.20	-2000.00	-2000.000	1.13	-2000.00
	4	4.9	102.5	38.2	533.55	10.00	.20	-2000.00	-2000.000	1.75	-2000.00
	5	5.3	165.4	28.1	441.62	30.00	.20	-2000.00	-2000.000	1.92	-2000.00
380	1	393.1	281.9	5.0	195.64	100.00	.10	-2000.00	-2000.000	4.07	-2000.00
	2	108.3	233.3	28.9	776.70	.10	.10	-2000.00	-2000.000	2.15	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	65.4	282.2	28.4	435.33	10.00	.20	-2000.00	-2000.000	1.02	-2000.00
	4	9.3	66.4	73.1	826.26	3.00	.20	-2000.00	-2000.000	.52	-2000.00
	5	9.9	107.0	37.3	532.59	30.00	.20	-2000.00	-2000.000	1.01	-2000.00
400	1	488.7	383.0	4.9	113.40	.03	.20	-2000.00	-2000.000	1.78	-2000.00
	2	125.1	294.0	11.3	382.67	.30	.10	-2000.00	-2000.000	.98	-2000.00
	3	38.9	183.0	23.1	614.75	100.00	.10	-2000.00	-2000.000	1.09	-2000.00
	4	30.5	239.0	28.9	443.14	10.00	.20	-2000.00	-2000.000	1.08	-2000.00
	5	4.9	57.4	77.7	808.23	30.00	.20	-2000.00	-2000.000	.95	-2000.00
420	1	487.6	339.0	4.1	104.85	.01	.20	-2000.00	-2000.000	2.23	-2000.00
	2	204.2	427.0	7.8	302.34	.01	.10	-2000.00	-2000.000	1.11	-2000.00
	3	63.1	264.0	13.1	412.63	100.00	.10	-2000.00	-2000.000	1.28	-2000.00
	4	22.8	159.0	24.4	390.77	3.00	.20	-2000.00	-2000.000	1.01	-2000.00
	5	18.9	197.0	29.1	705.60	100.00	.10	-2000.00	-2000.000	.86	-2000.00
440	1	293.1	198.0	2.0	39.87	.03	.30	-2000.00	-2000.000	2.98	-2000.00
	2	147.1	299.0	6.2	131.10	.10	.20	-2000.00	-2000.000	1.70	-2000.00
	3	81.3	331.0	10.4	200.57	30.00	.20	-2000.00	-2000.000	2.82	-2000.00
	4	27.8	188.0	12.2	185.36	.10	.30	-2000.00	-2000.000	3.38	-2000.00
	5	11.1	113.0	24.4	391.36	10.00	.20	-2000.00	-2000.000	1.24	-2000.00
460	1	574.8	480.0	.7	26.14	100.00	.20	-2000.00	-2000.000	29.09	-2000.00
	2	97.5	245.1	3.4	90.38	.01	.20	-2000.00	-2000.000	2.50	-2000.00
	3	64.1	322.0	7.4	300.59	.01	.10	-2000.00	-2000.000	2.03	-2000.00
	4	38.2	319.0	12.1	378.23	100.00	.10	-2000.00	-2000.000	2.10	-2000.00
	5	13.7	172.0	15.5	469.14	100.00	.10	-2000.00	-2000.000	.77	-2000.00
480	1	464.6	253.0	2.6	51.83	.03	.30	-2000.00	-2000.000	2.21	-2000.00
	2	179.3	293.0	1.6	33.99	.03	.40	-2000.00	-2000.000	4.14	-2000.00
	3	74.6	244.0	4.4	105.83	.03	.20	-2000.00	-2000.000	3.36	-2000.00
	4	54.4	297.0	9.5	342.47	.03	.10	-2000.00	-2000.000	1.32	-2000.00
	5	34.4	281.0	12.4	398.27	10.00	.10	-2000.00	-2000.000	.78	-2000.00
500	1	368.4	237.0	2.3	56.89	.01	.30	-2000.00	-2000.000	2.43	-2000.00
	2	133.1	257.0	2.3	57.43	.01	.30	-2000.00	-2000.000	2.25	-2000.00
	3	78.8	305.0	1.9	51.63	.01	.30	-2000.00	-2000.000	6.23	-2000.00
	4	38.3	246.0	5.9	119.70	.10	.20	-2000.00	-2000.000	3.76	-2000.00
	5	29.3	283.0	10.7	353.77	30.00	.10	-2000.00	-2000.000	1.18	-2000.00
520	1	481.8	251.0	2.6	49.92	.03	.30	-2000.00	-2000.000	1.80	-2000.00
	2	147.7	232.0	2.8	55.78	.03	.30	-2000.00	-2000.000	2.26	-2000.00
	3	74.6	234.0	2.7	72.82	.01	.20	-2000.00	-2000.000	5.16	-2000.00
	4	52.9	276.0	3.0	25.45	.30	.60	-2000.00	-2000.000	3.61	-2000.00
	5	28.0	220.0	6.6	249.77	.10	.10	-2000.00	-2000.000	1.91	-2000.00
540	1	397.8	269.0	3.0	69.17	.03	.20	-2000.00	-2000.000	1.51	-2000.00
	2	128.7	262.0	2.8	56.78	.03	.30	-2000.00	-2000.000	2.25	-2000.00
	3	54.6	222.0	3.0	42.21	.10	.40	-2000.00	-2000.000	2.32	-2000.00
	4	31.5	213.0	3.8	90.94	.03	.20	-2000.00	-2000.000	2.13	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	5	24.3	247.0	4.4	180.96	.01	.10	-2000.00	-2000.000	3.32	-2000.00
560	1	465.4	271.0	3.1	81.40	.01	.20	-2000.00	-2000.000	2.07	-2000.00
	2	143.9	252.0	3.2	63.14	.03	.30	-2000.00	-2000.000	2.61	-2000.00
	3	61.9	217.0	3.8	34.10	.30	.50	-2000.00	-2000.000	3.45	-2000.00
	4	30.6	178.0	4.1	96.69	.10	.20	-2000.00	-2000.000	6.65	-2000.00
	5	19.0	167.0	4.7	121.03	.01	.20	-2000.00	-2000.000	1.89	-2000.00
580	1	452.5	306.0	3.0	48.83	.10	.30	-2000.00	-2000.000	2.14	-2000.00
	2	150.8	307.0	3.3	54.34	.10	.30	-2000.00	-2000.000	2.29	-2000.00
	3	59.4	242.0	3.5	32.54	.30	.50	-2000.00	-2000.000	2.28	-2000.00
	4	29.0	196.0	5.2	194.57	30.00	.10	-2000.00	-2000.000	3.23	-2000.00
	5	15.4	157.0	5.4	115.48	.10	.20	-2000.00	-2000.000	1.81	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 1250

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
20	1	329.1	250.0	25.4	399.84	10.00	.20	-2000.00	-2000.000	.85	-2000.00
40	1	49.4	39.9	56.5	525.83	10.00	.30	-2000.00	-2000.000	1.25	-2000.00
	2	21.3	51.8	49.2	553.56	100.00	.30	-2000.00	-2000.000	7.25	-2000.00
60	1	771.9	461.0	19.2	547.31	30.00	.10	-2000.00	-2000.000	.85	-2000.00
	2	18.1	32.5	40.5	580.75	100.00	.20	-2000.00	-2000.000	2.83	-2000.00
	3	11.1	40.0	35.8	525.04	100.00	.20	-2000.00	-2000.000	1.33	-2000.00
80	1	31.7	19.8	43.5	585.82	30.00	.20	-2000.00	-2000.000	.86	-2000.00
	2	6.6	12.5	43.0	582.13	30.00	.20	-2000.00	-2000.000	.76	-2000.00
	3	8.2	31.0	15.6	206.29	.30	.30	-2000.00	-2000.000	1.70	-2000.00
	4	6.6	41.4	20.7	347.22	30.00	.20	-2000.00	-2000.000	1.60	-2000.00
100	1	33.3	18.3	37.5	416.53	30.00	.30	-2000.00	-2000.000	2.07	-2000.00
	2	8.9	14.7	21.8	226.51	.30	.40	-2000.00	-2000.000	1.95	-2000.00
	3	3.1	10.2	32.0	485.40	30.00	.20	-2000.00	-2000.000	1.87	-2000.00
	4	7.0	38.8	16.0	517.31	.10	.10	-2000.00	-2000.000	1.03	-2000.00
	5	5.7	46.9	17.5	530.55	100.00	.10	-2000.00	-2000.000	5.74	-2000.00
120	1	526.3	426.0	20.9	577.23	100.00	.10	-2000.00	-2000.000	.70	-2000.00
	2	7.3	17.9	41.0	568.40	30.00	.20	-2000.00	-2000.000	1.17	-2000.00
	3	3.5	16.9	42.6	140.77	1.00	.80	-2000.00	-2000.000	13.73	-2000.00
	4	1.5	12.1	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	4.4	52.9	18.2	561.92	1.00	.10	-2000.00	-2000.000	7.14	-2000.00
140	1	252.0	137.0	31.0	470.21	30.00	.20	-2000.00	-2000.000	.90	-2000.00
	2	40.4	66.2	44.6	605.02	100.00	.20	-2000.00	-2000.000	.79	-2000.00
	3	1.9	6.3	70.3	519.74	30.00	.60	-2000.00	-2000.000	3.11	-2000.00
	4	.4	2.2	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	1.0	7.8	40.1	618.45	.30	.20	-2000.00	-2000.000	1.24	-2000.00
160	1	104.0	67.0	52.7	521.51	30.00	.30	-2000.00	-2000.000	1.63	-2000.00
	2	19.1	37.1	36.0	383.09	10.00	.30	-2000.00	-2000.000	2.14	-2000.00
	3	6.3	24.4	28.0	207.26	.30	.60	-2000.00	-2000.000	9.44	-2000.00
	4	.6	4.1	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	1.0	9.7	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
180	1	48.5	34.7	61.1	569.33	30.00	.30	-2000.00	-2000.000	1.10	-2000.00
	2	15.4	33.1	44.0	595.99	100.00	.20	-2000.00	-2000.000	.82	-2000.00
	3	12.6	54.0	18.6	323.71	30.00	.20	-2000.00	-2000.000	2.77	-2000.00
	4	4.8	34.6	29.6	804.99	.10	.10	-2000.00	-2000.000	1.45	-2000.00
	5	.6	6.5	29.3	305.85	.30	.50	-2000.00	-2000.000	12.67	-2000.00

Station	Dipole	Vp	Apparent Resist.	MF	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
200	1	1122.0	740.0	8.7	298.48	30.00	.10	-2000.00	-2000.000	1.20	-2000.00
	2	23.5	46.7	63.5	563.73	30.00	.30	-2000.00	-2000.000	1.63	-2000.00
	3	10.6	41.0	40.2	562.47	30.00	.20	-2000.00	-2000.000	1.20	-2000.00
	4	9.7	64.1	19.7	535.36	100.00	.10	-2000.00	-2000.000	2.42	-2000.00
	5	3.8	37.2	33.3	487.15	3.00	.20	-2000.00	-2000.000	1.92	-2000.00
220	1	1182.0	890.0	13.0	411.08	100.00	.10	-2000.00	-2000.000	1.05	-2000.00
	2	93.5	213.6	24.6	394.51	30.00	.20	-2000.00	-2000.000	.83	-2000.00
	3	6.2	28.2	72.0	631.34	30.00	.30	-2000.00	-2000.000	2.04	-2000.00
	4	4.0	30.4	46.6	601.11	100.00	.20	-2000.00	-2000.000	2.77	-2000.00
	5	4.5	51.1	22.9	383.58	30.00	.20	-2000.00	-2000.000	2.59	-2000.00
240	1	348.6	243.0	19.0	319.18	10.00	.20	-2000.00	-2000.000	1.16	-2000.00
	2	238.8	500.0	15.2	488.76	.30	.10	-2000.00	-2000.000	.76	-2000.00
	3	29.6	123.9	26.0	429.33	100.00	.20	-2000.00	-2000.000	1.36	-2000.00
	4	4.0	28.0	71.3	607.16	10.00	.30	-2000.00	-2000.000	.90	-2000.00
	5	3.1	32.1	37.5	539.30	30.00	.20	-2000.00	-2000.000	1.22	-2000.00
260	1	97.8	64.5	49.7	641.40	100.00	.20	-2000.00	-2000.000	.95	-2000.00
	2	228.3	452.0	19.7	556.21	30.00	.10	-2000.00	-2000.000	.65	-2000.00
	3	163.1	640.0	18.0	586.74	.03	.10	-2000.00	-2000.000	.46	-2000.00
	4	20.4	134.0	30.1	455.77	10.00	.20	-2000.00	-2000.000	1.79	-2000.00
	5	3.1	30.4	78.0	650.39	30.00	.30	-2000.00	-2000.000	1.86	-2000.00
280	1	304.0	200.0	33.5	490.16	10.00	.20	-2000.00	-2000.000	.74	-2000.00
	2	79.3	157.2	43.6	597.34	100.00	.20	-2000.00	-2000.000	.81	-2000.00
	3	189.6	750.0	15.4	492.25	.30	.10	-2000.00	-2000.000	.57	-2000.00
	4	135.3	890.0	14.2	284.34	.10	.20	-2000.00	-2000.000	.75	-2000.00
	5	17.0	168.0	26.5	412.55	10.00	.20	-2000.00	-2000.000	.80	-2000.00
300	1	351.5	226.0	32.4	481.52	10.00	.20	-2000.00	-2000.000	1.09	-2000.00
	2	87.8	169.8	34.4	501.22	10.00	.20	-2000.00	-2000.000	.89	-2000.00
	3	33.3	129.0	43.8	591.75	10.00	.20	-2000.00	-2000.000	.97	-2000.00
	4	85.1	547.0	20.4	337.20	10.00	.20	-2000.00	-2000.000	2.11	-2000.00
	5	64.0	618.0	18.8	628.85	.01	.10	-2000.00	-2000.000	.51	-2000.00
320	1	622.6	520.0	17.5	510.89	100.00	.10	-2000.00	-2000.000	1.22	-2000.00
	2	42.6	106.9	49.2	630.89	30.00	.20	-2000.00	-2000.000	.85	-2000.00
	3	20.1	101.0	45.4	603.03	10.00	.20	-2000.00	-2000.000	1.06	-2000.00
	4	13.8	115.0	46.8	620.21	100.00	.20	-2000.00	-2000.000	1.19	-2000.00
	5	38.5	483.0	22.3	608.13	10.00	.10	-2000.00	-2000.000	.86	-2000.00
340	1	140.0	97.0	54.0	669.52	100.00	.20	-2000.00	-2000.000	1.04	-2000.00
	2	101.1	211.0	28.1	437.48	30.00	.20	-2000.00	-2000.000	.79	-2000.00
	3	15.0	62.0	53.2	660.20	30.00	.20	-2000.00	-2000.000	.72	-2000.00
	4	11.7	81.0	49.8	637.58	30.00	.20	-2000.00	-2000.000	.82	-2000.00
	5	10.7	112.0	45.6	611.89	100.00	.20	-2000.00	-2000.000	.73	-2000.00
360	1	335.7	191.0	27.8	434.38	30.00	.20	-2000.00	-2000.000	.82	-2000.00
	2	34.6	59.3	50.0	634.58	30.00	.20	-2000.00	-2000.000	.67	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters					Fit/IP	Fit/EM
					M-IP	TAU-IP	C-IP	M-EM	TAU-EM		
	3	46.5	159.0	26.4	410.79	10.00	.20	-2000.00	-2000.000	.92	-2000.00
	4	8.0	45.8	57.1	687.81	30.00	.20	-2000.00	-2000.000	.86	-2000.00
	5	8.4	71.8	45.4	605.23	10.00	.20	-2000.00	-2000.000	.74	-2000.00
380	1	1042.0	720.0	11.3	368.91	10.00	.10	-2000.00	-2000.000	.89	-2000.00
	2	68.7	143.7	31.4	471.98	30.00	.20	-2000.00	-2000.000	.85	-2000.00
	3	15.2	63.0	38.8	544.77	30.00	.20	-2000.00	-2000.000	1.80	-2000.00
	4	24.0	167.0	17.8	518.78	30.00	.10	-2000.00	-2000.000	.45	-2000.00
	5	4.4	45.5	50.3	638.68	30.00	.20	-2000.00	-2000.000	.89	-2000.00
400	1	511.5	313.0	16.9	497.64	100.00	.10	-2000.00	-2000.000	1.01	-2000.00
	2	263.3	484.0	18.9	537.53	100.00	.10	-2000.00	-2000.000	1.06	-2000.00
	3	29.2	107.0	30.6	461.16	30.00	.20	-2000.00	-2000.000	.86	-2000.00
	4	9.6	58.5	32.1	483.52	10.00	.20	-2000.00	-2000.000	2.10	-2000.00
	5	15.8	144.0	14.7	447.94	100.00	.10	-2000.00	-2000.000	1.26	-2000.00
420	1	1052.0	730.0	1.9	38.76	.03	.30	-2000.00	-2000.000	3.94	-2000.00
	2	134.2	281.0	22.3	600.78	100.00	.10	-2000.00	-2000.000	1.12	-2000.00
	3	89.3	374.0	20.1	336.53	10.00	.20	-2000.00	-2000.000	1.48	-2000.00
	4	11.8	82.0	31.5	457.14	3.00	.20	-2000.00	-2000.000	2.47	-2000.00
	5	4.4	46.0	32.1	482.56	30.00	.20	-2000.00	-2000.000	1.14	-2000.00
440	1	593.7	382.0	-.6	40.05	100.00	.80	-2000.00	-2000.000	164.30	-2000.00
	2	157.9	305.0	5.8	123.79	.10	.20	-2000.00	-2000.000	2.02	-2000.00
	3	52.4	202.0	24.9	395.87	10.00	.20	-2000.00	-2000.000	1.25	-2000.00
	4	40.4	259.0	21.2	579.50	100.00	.10	-2000.00	-2000.000	.85	-2000.00
	5	6.0	57.7	30.6	466.42	30.00	.20	-2000.00	-2000.000	1.00	-2000.00
460	1	534.9	231.0	1.5	30.54	.03	.30	-2000.00	-2000.000	6.73	-2000.00
	2	161.7	210.0	1.6	45.49	.01	.20	-2000.00	-2000.000	6.68	-2000.00
	3	115.7	300.0	7.6	298.11	.01	.10	-2000.00	-2000.000	1.17	-2000.00
	4	46.3	200.0	27.1	421.08	10.00	.20	-2000.00	-2000.000	1.23	-2000.00
	5	37.2	241.0	22.2	361.56	10.00	.20	-2000.00	-2000.000	.99	-2000.00
480	1	377.9	155.0	2.0	48.68	.01	.30	-2000.00	-2000.000	3.47	-2000.00
	2	176.5	218.0	1.1	34.90	.01	.20	-2000.00	-2000.000	14.74	-2000.00
	3	91.6	226.0	2.6	107.21	.10	.10	-2000.00	-2000.000	6.46	-2000.00
	4	72.1	296.0	9.3	179.97	.30	.20	-2000.00	-2000.000	.89	-2000.00
	5	30.6	188.0	28.5	435.53	30.00	.20	-2000.00	-2000.000	2.18	-2000.00
500	1	388.5	162.0	2.7	44.37	.10	.30	-2000.00	-2000.000	3.41	-2000.00
	2	111.2	139.0	2.2	45.24	.03	.30	-2000.00	-2000.000	3.84	-2000.00
	3	84.1	211.0	1.9	38.24	.03	.30	-2000.00	-2000.000	3.77	-2000.00
	4	51.4	215.0	4.3	173.00	.01	.10	-2000.00	-2000.000	2.46	-2000.00
	5	42.3	265.0	11.7	377.28	100.00	.10	-2000.00	-2000.000	1.14	-2000.00
520	1	460.1	209.0	2.5	49.40	.03	.30	-2000.00	-2000.000	1.90	-2000.00
	2	116.3	159.0	3.1	50.14	.10	.30	-2000.00	-2000.000	2.60	-2000.00
	3	48.9	134.0	4.4	160.83	.01	.10	-2000.00	-2000.000	7.97	-2000.00
	4	43.2	196.0	2.6	44.86	.10	.40	-2000.00	-2000.000	8.03	-2000.00

Station	Dipole	Vp	Apparent Resist.	M?	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	5	28.2	193.0	5.6	236.79	.01	.10	-2000.00	-2000.000	5.55	-2000.00
540	1	390.8	181.0	2.5	49.86	.03	.30	-2000.00	-2000.000	1.51	-2000.00
	2	116.0	161.0	3.5	83.54	.03	.20	-2000.00	-2000.000	1.86	-2000.00
	3	46.0	128.0	4.2	182.62	.01	.10	-2000.00	-2000.000	4.32	-2000.00
	4	22.7	105.0	6.2	150.77	.01	.20	-2000.00	-2000.000	3.88	-2000.00
	5	21.8	152.0	5.6	117.41	.10	.20	-2000.00	-2000.000	1.55	-2000.00
560	1	634.2	306.0	3.1	61.30	.03	.30	-2000.00	-2000.000	2.66	-2000.00
	2	115.7	167.0	3.2	52.04	.10	.30	-2000.00	-2000.000	2.82	-2000.00
	3	45.9	133.0	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	4	20.6	99.0	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	11.0	79.0	7.6	161.20	30.00	.20	-2000.00	-2000.000	4.85	-2000.00
580	1	624.3	270.0	3.8	157.12	.01	.10	-2000.00	-2000.000	1.83	-2000.00
	2	183.4	238.0	3.4	89.57	.01	.20	-2000.00	-2000.000	1.41	-2000.00
	3	46.5	120.0	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	4	22.5	97.0	******	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
	5	10.6	68.0	9.2	58.90	.30	.70	-2000.00	-2000.000	18.13	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 1300

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
220	1	369.3	257.0	28.2	434.18	10.00	.20	-2000.00	-2000.000	.85	-2000.00
240	1	486.3	305.0	34.3	503.61	30.00	.20	-2000.00	-2000.000	.92	-2000.00
	2	191.3	360.0	21.5	587.51	100.00	.10	-2000.00	-2000.000	.75	-2000.00
260	1	483.4	367.0	24.9	644.67	100.00	.10	-2000.00	-2000.000	.55	-2000.00
	2	186.8	426.0	31.6	469.16	10.00	.20	-2000.00	-2000.000	1.05	-2000.00
	3	84.3	385.0	21.0	585.57	10.00	.10	-2000.00	-2000.000	.70	-2000.00
280	1	583.4	375.0	13.5	426.33	10.00	.10	-2000.00	-2000.000	.99	-2000.00
	2	88.3	170.6	37.1	526.23	10.00	.20	-2000.00	-2000.000	.95	-2000.00
	3	71.9	278.0	31.1	463.50	10.00	.20	-2000.00	-2000.000	1.08	-2000.00
	4	38.8	250.0	22.8	615.00	30.00	.10	-2000.00	-2000.000	.84	-2000.00
300	1	379.3	232.0	29.5	451.73	30.00	.20	-2000.00	-2000.000	.82	-2000.00
	2	51.6	94.8	30.5	458.98	10.00	.20	-2000.00	-2000.000	.89	-2000.00
	3	14.9	54.0	48.8	471.82	3.00	.30	-2000.00	-2000.000	1.22	-2000.00
	4	28.5	174.0	32.9	507.23	100.00	.20	-2000.00	-2000.000	2.31	-2000.00
	5	17.5	160.0	26.1	674.21	10.00	.10	-2000.00	-2000.000	.62	-2000.00
320	1	152.4	123.0	25.5	401.52	10.00	.20	-2000.00	-2000.000	1.34	-2000.00
	2	28.1	68.4	36.4	518.49	30.00	.20	-2000.00	-2000.000	1.98	-2000.00
	3	10.0	48.0	28.6	481.65	.30	.20	-2000.00	-2000.000	.96	-2000.00
	4	4.1	33.5	67.1	627.52	100.00	.30	-2000.00	-2000.000	2.18	-2000.00
	5	9.8	119.2	38.5	822.36	100.00	.10	-2000.00	-2000.000	.99	-2000.00
340	1	217.9	113.0	28.0	448.73	100.00	.20	-2000.00	-2000.000	1.15	-2000.00
	2	61.4	96.4	28.5	437.05	10.00	.20	-2000.00	-2000.000	.94	-2000.00
	3	16.9	53.0	35.6	515.46	30.00	.20	-2000.00	-2000.000	1.12	-2000.00
	4	7.0	36.4	32.6	479.14	10.00	.20	-2000.00	-2000.000	1.02	-2000.00
	5	3.0	23.8	56.7	686.76	30.00	.20	-2000.00	-2000.000	.71	-2000.00
360	1	780.6	455.0	13.6	183.25	.30	.30	-2000.00	-2000.000	1.71	-2000.00
	2	48.0	84.1	66.8	587.58	100.00	.50	-2000.00	-2000.000	9.36	-2000.00
	3	22.3	78.0	38.9	525.40	30.00	.20	-2000.00	-2000.000	2.59	-2000.00
	4	8.7	50.6	19.0	665.64	1.00	.10	-2000.00	-2000.000	10.02	-2000.00
	5	4.0	35.1	32.5	479.89	10.00	.20	-2000.00	-2000.000	.89	-2000.00
380	1	566.6	384.0	9.8	330.54	3.00	.10	-2000.00	-2000.000	1.01	-2000.00
	2	198.3	404.0	25.5	403.02	10.00	.20	-2000.00	-2000.000	1.29	-2000.00
	3	18.4	75.0	45.5	606.13	100.00	.20	-2000.00	-2000.000	1.03	-2000.00
	4	10.6	71.0	31.7	490.67	30.00	.20	-2000.00	-2000.000	3.66	-2000.00
	5	5.6	57.3	27.6	428.18	30.00	.20	-2000.00	-2000.000	1.06	-2000.00

Station	Dipole	Vp	Apparent Resist.	MT	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
400	1	841.9	491.9	3.3	68.67	.03	.40	-2000.00	-2000.000	6.12	-2000.00
	2	147.8	259.0	20.0	91.09	3.00	.70	-2000.00	-2000.000	12.06	-2000.00
	3	84.3	296.0	31.1	471.64	30.00	.20	-2000.00	-2000.000	1.29	-2000.00
	4	9.5	55.5	43.8	600.09	3.00	.20	-2000.00	-2000.000	.92	-2000.00
	5	6.2	54.2	33.2	484.22	10.00	.20	-2000.00	-2000.000	.79	-2000.00
420	1	529.3	458.0	.4	16.64	100.00	.40	-2000.00	-2000.000	49.76	-2000.00
	2	136.4	354.0	8.2	170.63	.10	.20	-2000.00	-2000.000	2.09	-2000.00
	3	44.1	229.0	24.0	383.87	10.00	.20	-2000.00	-2000.000	1.33	-2000.00
	4	27.9	241.0	33.0	486.06	10.00	.20	-2000.00	-2000.000	.98	-2000.00
	5	3.6	46.2	48.0	632.37	100.00	.20	-2000.00	-2000.000	1.23	-2000.00
440	1	692.5	543.0	-.3	40.05	100.00	.80	-2000.00	-2000.000	112.04	-2000.00
	2	102.0	240.0	3.6	95.10	.01	.20	-2000.00	-2000.000	2.13	-2000.00
	3	51.0	240.0	11.8	430.97	.01	.10	-2000.00	-2000.000	1.09	-2000.00
	4	16.9	148.0	28.3	457.28	100.00	.20	-2000.00	-2000.000	2.13	-2000.00
	5	13.0	152.0	35.9	515.12	10.00	.20	-2000.00	-2000.000	.79	-2000.00
460	1	930.2	667.0	.0	40.84	100.00	.80	-2000.00	-2000.000	86.31	-2000.00
	2	85.4	183.8	3.0	60.71	.03	.40	-2000.00	-2000.000	4.25	-2000.00
	3	41.1	177.0	7.5	264.93	3.00	.10	-2000.00	-2000.000	2.75	-2000.00
	4	23.4	167.0	15.5	493.05	.30	.10	-2000.00	-2000.000	1.73	-2000.00
	5	9.2	98.7	31.7	470.72	10.00	.20	-2000.00	-2000.000	1.01	-2000.00
480	1	209.0	154.0	3.5	68.80	.03	.30	-2000.00	-2000.000	2.69	-2000.00
	2	50.2	111.2	6.0	138.11	.03	.20	-2000.00	-2000.000	1.50	-2000.00
	3	23.4	104.0	7.6	276.84	100.00	.10	-2000.00	-2000.000	5.87	-2000.00
	4	16.6	122.0	11.4	217.91	.30	.20	-2000.00	-2000.000	2.09	-2000.00
	5	10.1	111.0	20.7	576.30	30.00	.10	-2000.00	-2000.000	.93	-2000.00
500	1	370.7	166.0	3.5	83.18	.03	.20	-2000.00	-2000.000	1.97	-2000.00
	2	103.1	138.0	5.6	120.07	.10	.20	-2000.00	-2000.000	2.33	-2000.00
	3	37.6	101.0	8.7	296.98	30.00	.10	-2000.00	-2000.000	1.90	-2000.00
	4	19.5	87.0	9.6	330.91	30.00	.10	-2000.00	-2000.000	2.00	-2000.00
	5	14.9	100.0	14.0	481.05	.03	.10	-2000.00	-2000.000	1.23	-2000.00
520	1	365.4	160.0	3.6	83.88	.03	.20	-2000.00	-2000.000	1.77	-2000.00
	2	97.8	129.3	5.7	109.79	10.00	.20	-2000.00	-2000.000	1.59	-2000.00
	3	41.7	110.0	8.4	291.76	100.00	.10	-2000.00	-2000.000	1.86	-2000.00
	4	17.7	78.0	10.5	347.99	10.00	.10	-2000.00	-2000.000	.90	-2000.00
	5	10.3	67.0	13.3	236.38	10.00	.20	-2000.00	-2000.000	.99	-2000.00
540	1	314.2	154.0	5.2	51.95	.30	.40	-2000.00	-2000.000	6.68	-2000.00
	2	82.9	122.6	3.7	109.47	100.00	.20	-2000.00	-2000.000	30.10	-2000.00
	3	29.1	86.0	9.6	183.16	30.00	.20	-2000.00	-2000.000	1.40	-2000.00
	4	14.1	69.0	11.4	207.95	10.00	.20	-2000.00	-2000.000	2.26	-2000.00
	5	6.9	50.6	14.2	440.91	100.00	.10	-2000.00	-2000.000	.85	-2000.00
560	1	311.5	166.0	3.7	79.65	.10	.20	-2000.00	-2000.000	1.52	-2000.00
	2	73.3	117.6	7.7	270.14	30.00	.10	-2000.00	-2000.000	1.30	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	25.0	80.0	9.9	331.50	30.00	.10	-2000.00	-2000.000	1.07	-2000.00
	4	10.0	53.1	12.8	235.91	30.00	.20	-2000.00	-2000.000	1.54	-2000.00
	5	5.5	44.0	15.5	266.56	10.00	.20	-2000.00	-2000.000	1.54	-2000.00
580	1	466.5	225.0	2.9	68.40	.03	.20	-2000.00	-2000.000	2.30	-2000.00
	2	95.2	138.0	6.4	247.41	.03	.10	-2000.00	-2000.000	1.41	-2000.00
	3	29.7	86.0	10.5	347.35	100.00	.10	-2000.00	-2000.000	1.14	-2000.00
	4	12.1	58.0	12.0	216.50	10.00	.20	-2000.00	-2000.000	3.25	-2000.00
	5	5.2	37.7	15.9	272.03	30.00	.20	-2000.00	-2000.000	4.78	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 1350

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
200	1	1367.0	1140.0	6.0	230.99	.03	.10	-2000.00	-2000.000	1.48	-2000.00
220	1	1593.0	920.0	7.2	151.25	.10	.20	-2000.00	-2000.000	1.44	-2000.00
	2	528.8	927.0	11.8	431.68	.01	.10	-2000.00	-2000.000	1.10	-2000.00
240	1	971.2	625.0	8.0	285.86	.30	.10	-2000.00	-2000.000	.92	-2000.00
	2	165.0	319.0	16.5	490.07	100.00	.10	-2000.00	-2000.000	1.49	-2000.00
	3	84.0	325.0	20.0	566.76	10.00	.10	-2000.00	-2000.000	.73	-2000.00
260	1	657.1	458.0	9.3	312.86	100.00	.10	-2000.00	-2000.000	1.93	-2000.00
	2	176.9	370.0	14.1	270.09	.30	.20	-2000.00	-2000.000	1.87	-2000.00
	3	40.2	168.0	24.4	386.91	10.00	.20	-2000.00	-2000.000	.81	-2000.00
	4	24.4	170.0	26.6	419.26	10.00	.20	-2000.00	-2000.000	1.52	-2000.00
280	1	177.2	185.0	15.5	277.67	30.00	.20	-2000.00	-2000.000	1.83	-2000.00
	2	53.2	166.9	22.3	361.42	3.00	.20	-2000.00	-2000.000	.63	-2000.00
	3	19.8	124.0	25.5	665.49	30.00	.10	-2000.00	-2000.000	.93	-2000.00
	4	6.6	69.0	41.9	479.96	100.00	.30	-2000.00	-2000.000	2.69	-2000.00
	5	5.0	78.7	34.1	500.80	3.00	.20	-2000.00	-2000.000	.53	-2000.00
300	1	262.5	146.0	13.9	253.86	30.00	.20	-2000.00	-2000.000	1.49	-2000.00
	2	52.4	87.8	27.8	428.73	3.00	.20	-2000.00	-2000.000	.75	-2000.00
	3	24.8	83.0	32.5	499.46	100.00	.20	-2000.00	-2000.000	1.33	-2000.00
	4	12.9	71.0	33.5	488.42	10.00	.20	-2000.00	-2000.000	.67	-2000.00
	5	5.8	48.4	33.6	500.55	10.00	.20	-2000.00	-2000.000	1.78	-2000.00
320	1	418.9	238.0	14.3	439.65	100.00	.10	-2000.00	-2000.000	1.25	-2000.00
	2	62.5	107.1	28.0	439.49	10.00	.20	-2000.00	-2000.000	1.96	-2000.00
	3	18.6	63.0	38.5	556.49	100.00	.20	-2000.00	-2000.000	1.24	-2000.00
	4	10.9	62.0	41.1	422.13	10.00	.30	-2000.00	-2000.000	2.47	-2000.00
	5	6.9	58.8	31.4	377.20	.30	.30	-2000.00	-2000.000	2.32	-2000.00
340	1	376.0	255.0	12.5	225.65	10.00	.20	-2000.00	-2000.000	1.35	-2000.00
	2	72.3	147.2	27.3	427.90	30.00	.20	-2000.00	-2000.000	.85	-2000.00
	3	13.9	56.0	39.6	562.46	100.00	.20	-2000.00	-2000.000	1.19	-2000.00
	4	6.4	43.1	36.8	529.36	10.00	.20	-2000.00	-2000.000	1.75	-2000.00
	5	4.6	47.0	35.7	371.79	3.00	.30	-2000.00	-2000.000	1.11	-2000.00
360	1	426.5	324.0	8.1	312.59	.01	.10	-2000.00	-2000.000	.75	-2000.00
	2	111.7	255.0	23.6	296.41	30.00	.30	-2000.00	-2000.000	2.55	-2000.00
	3	27.0	123.0	29.8	263.33	1.00	.40	-2000.00	-2000.000	2.86	-2000.00
	4	6.6	50.1	62.3	471.53	30.00	.50	-2000.00	-2000.000	8.98	-2000.00
	5	3.9	44.6	32.0	519.10	.30	.20	-2000.00	-2000.000	1.71	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
380	1	892.8	722.0	1.9	51.02	.01	.20	-2000.00	-2000.000	3.77	-2000.00
	2	93.7	227.9	17.1	299.74	30.00	.20	-2000.00	-2000.000	1.46	-2000.00
	3	34.4	167.0	29.7	469.96	100.00	.20	-2000.00	-2000.000	1.39	-2000.00
	4	9.7	78.3	38.1	249.63	1.00	.50	-2000.00	-2000.000	2.66	-2000.00
	5	2.9	35.2	37.6	447.21	30.00	.30	-2000.00	-2000.000	8.52	-2000.00
400	1	840.3	585.0	.5	19.07	100.00	.40	-2000.00	-2000.000	43.92	-2000.00
	2	80.4	166.3	11.6	412.48	.03	.10	-2000.00	-2000.000	1.07	-2000.00
	3	33.1	138.0	25.1	402.73	30.00	.20	-2000.00	-2000.000	1.23	-2000.00
	4	14.6	102.0	34.7	501.81	10.00	.20	-2000.00	-2000.000	.53	-2000.00
	5	4.6	47.7	42.8	589.60	100.00	.20	-2000.00	-2000.000	1.95	-2000.00
420	1	295.9	232.0	3.7	86.42	.03	.20	-2000.00	-2000.000	2.01	-2000.00
	2	82.0	193.1	7.5	296.40	.01	.10	-2000.00	-2000.000	2.55	-2000.00
	3	23.9	112.0	18.4	316.07	30.00	.20	-2000.00	-2000.000	1.84	-2000.00
	4	12.5	98.0	28.5	442.23	10.00	.20	-2000.00	-2000.000	.92	-2000.00
	5	6.1	72.4	37.5	534.19	30.00	.20	-2000.00	-2000.000	.86	-2000.00
440	1	305.0	153.0	4.0	94.39	.03	.20	-2000.00	-2000.000	1.30	-2000.00
	2	86.7	130.6	6.6	263.17	.01	.10	-2000.00	-2000.000	1.69	-2000.00
	3	35.7	107.0	12.8	407.93	100.00	.10	-2000.00	-2000.000	.87	-2000.00
	4	12.3	61.0	22.6	368.81	10.00	.20	-2000.00	-2000.000	1.19	-2000.00
	5	7.2	54.4	35.2	524.06	100.00	.20	-2000.00	-2000.000	1.35	-2000.00
460	1	545.8	236.0	4.5	95.40	.10	.20	-2000.00	-2000.000	1.35	-2000.00
	2	89.9	116.8	7.4	139.90	10.00	.20	-2000.00	-2000.000	1.28	-2000.00
	3	31.0	80.0	10.7	195.26	10.00	.20	-2000.00	-2000.000	1.55	-2000.00
	4	16.1	69.0	17.2	294.30	10.00	.20	-2000.00	-2000.000	1.20	-2000.00
	5	6.4	41.6	28.0	429.22	10.00	.20	-2000.00	-2000.000	.71	-2000.00
480	1	203.6	131.0	4.0	94.51	.01	.30	-2000.00	-2000.000	3.67	-2000.00
	2	68.5	132.4	9.0	157.12	100.00	.30	-2000.00	-2000.000	3.98	-2000.00
	3	16.4	63.0	11.0	200.40	10.00	.20	-2000.00	-2000.000	1.75	-2000.00
	4	7.0	44.9	15.9	191.65	10.00	.30	-2000.00	-2000.000	1.95	-2000.00
	5	4.3	41.5	21.8	351.12	3.00	.20	-2000.00	-2000.000	1.33	-2000.00
500	1	359.5	191.0	4.4	114.34	.01	.20	-2000.00	-2000.000	1.60	-2000.00
	2	78.5	125.8	7.3	167.61	.03	.20	-2000.00	-2000.000	1.51	-2000.00
	3	32.5	104.0	10.4	197.26	30.00	.20	-2000.00	-2000.000	1.15	-2000.00
	4	9.2	49.0	15.5	285.45	100.00	.20	-2000.00	-2000.000	1.50	-2000.00
	5	4.6	36.7	15.1	535.04	.01	.10	-2000.00	-2000.000	1.30	-2000.00
520	1	212.4	161.0	4.3	163.70	1.00	.10	-2000.00	-2000.000	2.31	-2000.00
	2	87.7	200.4	6.5	103.49	.10	.30	-2000.00	-2000.000	1.61	-2000.00
	3	23.0	105.0	10.7	353.47	30.00	.10	-2000.00	-2000.000	1.76	-2000.00
	4	10.5	79.0	15.7	131.43	3.00	.40	-2000.00	-2000.000	4.75	-2000.00
	5	3.4	39.2	10.2	425.30	1.00	.10	-2000.00	-2000.000	19.82	-2000.00
540	1	217.0	147.0	3.9	84.38	.10	.20	-2000.00	-2000.000	1.60	-2000.00
	2	81.8	166.7	6.8	242.03	1.00	.10	-2000.00	-2000.000	1.60	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	39.7	161.0	10.1	339.96	30.00	.10	-2000.00	-2000.000	1.37	-2000.00
	4	11.2	75.0	13.7	428.63	100.00	.10	-2000.00	-2000.000	1.64	-2000.00
	5	5.6	56.7	15.8	265.40	10.00	.20	-2000.00	-2000.000	2.35	-2000.00
560	1	243.0	160.0	4.3	167.70	.10	.10	-2000.00	-2000.000	1.87	-2000.00
	2	74.8	148.3	7.2	142.37	.30	.20	-2000.00	-2000.000	1.06	-2000.00
	3	33.0	131.0	10.1	340.96	100.00	.10	-2000.00	-2000.000	1.19	-2000.00
	4	17.5	115.0	12.8	247.24	100.00	.40	-2000.00	-2000.000	21.71	-2000.00
	5	5.2	51.5	20.7	-2000.00	-2000.00	-2000.00	-2000.00	-2000.000	-2000.00	-2000.00
580	1	291.5	166.0	5.4	200.50	1.00	.10	-2000.00	-2000.000	.99	-2000.00
	2	102.8	176.0	9.2	314.87	100.00	.10	-2000.00	-2000.000	.90	-2000.00
	3	37.2	127.0	12.3	221.52	10.00	.20	-2000.00	-2000.000	1.58	-2000.00
	4	17.3	98.0	14.5	448.49	10.00	.10	-2000.00	-2000.000	.87	-2000.00
	5	9.7	83.1	18.9	318.67	10.00	.20	-2000.00	-2000.000	1.18	-2000.00

IPR-11 SPECTRAL ANALYSIS SUMMARY

LINE NO. : 2200

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
20	1	200.0	502.0	7.4	73.51	.30	.40	-2000.00	-2000.000	3.90	-2000.00
40	1	785.4	896.0	6.7	155.25	.03	.20	-2000.00	-2000.000	1.14	-2000.00
	2	119.8	410.0	7.2	282.79	.01	.10	-2000.00	-2000.000	1.02	-2000.00
60	1	555.3	663.0	6.6	168.38	.01	.20	-2000.00	-2000.000	.92	-2000.00
	2	96.7	347.0	6.1	154.93	.01	.20	-2000.00	-2000.000	1.24	-2000.00
	3	33.5	240.0	5.6	109.84	10.00	.20	-2000.00	-2000.000	2.67	-2000.00
80	1	806.7	880.0	7.1	162.75	.03	.20	-2000.00	-2000.000	.98	-2000.00
	2	81.0	265.4	5.8	92.55	.10	.30	-2000.00	-2000.000	1.30	-2000.00
	3	32.9	216.0	4.5	171.44	100.00	.10	-2000.00	-2000.000	2.74	-2000.00
	4	16.5	179.0	3.3	157.73	.10	.10	-2000.00	-2000.000	12.77	-2000.00
100	1	958.0	1001.0	7.0	162.74	.03	.20	-2000.00	-2000.000	1.40	-2000.00
	2	118.5	372.0	6.3	133.33	.10	.20	-2000.00	-2000.000	.81	-2000.00
	3	28.3	177.0	4.2	83.27	10.00	.20	-2000.00	-2000.000	4.68	-2000.00
	4	15.1	157.0	3.4	134.67	3.00	.10	-2000.00	-2000.000	3.19	-2000.00
	5	9.2	144.2	3.9	61.03	.03	.30	-2000.00	-2000.000	11.64	-2000.00
120	1	1280.0	1330.0	6.4	164.46	.01	.20	-2000.00	-2000.000	1.02	-2000.00
	2	164.5	516.0	7.4	171.42	.03	.20	-2000.00	-2000.000	1.18	-2000.00
	3	40.0	251.0	4.8	193.27	.01	.10	-2000.00	-2000.000	1.22	-2000.00
	4	14.2	148.0	3.9	90.39	100.00	.20	-2000.00	-2000.000	6.49	-2000.00
	5	8.9	140.3	3.0	101.59	3.00	.10	-2000.00	-2000.000	14.25	-2000.00
140	1	1503.0	1790.0	5.9	151.53	.01	.20	-2000.00	-2000.000	1.13	-2000.00
	2	213.8	767.0	6.6	152.19	.03	.20	-2000.00	-2000.000	1.15	-2000.00
	3	46.6	335.0	6.0	127.94	.10	.20	-2000.00	-2000.000	1.12	-2000.00
	4	17.4	208.0	4.2	157.14	.10	.10	-2000.00	-2000.000	4.18	-2000.00
	5	7.8	140.0	2.8	22.19	1.00	.50	-2000.00	-2000.000	19.82	-2000.00
160	1	398.1	416.0	4.5	118.73	.01	.20	-2000.00	-2000.000	1.63	-2000.00
	2	107.2	336.0	4.2	109.03	.01	.20	-2000.00	-2000.000	2.14	-2000.00
	3	36.3	228.0	4.0	91.54	.03	.20	-2000.00	-2000.000	3.36	-2000.00
	4	16.5	172.0	3.0	132.37	.10	.10	-2000.00	-2000.000	7.89	-2000.00
	5	9.7	152.1	2.8	69.15	.03	.20	-2000.00	-2000.000	16.13	-2000.00
180	1	926.4	968.0	6.0	155.13	.01	.20	-2000.00	-2000.000	1.34	-2000.00
	2	82.3	258.4	5.0	119.17	.03	.20	-2000.00	-2000.000	1.65	-2000.00
	3	39.8	250.0	3.8	149.30	.10	.10	-2000.00	-2000.000	2.40	-2000.00
	4	20.2	211.0	3.2	53.16	.10	.30	-2000.00	-2000.000	2.73	-2000.00
	5	11.6	181.0	3.0	22.26	1.00	.60	-2000.00	-2000.000	8.54	-2000.00

Station	Dipole	Vp	Apparent Resist.	M?	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
200	1	205.9	246.0	3.2	76.61	.03	.20	-2000.00	-2000.000	3.44	-2000.00
	2	99.0	355.4	4.4	48.65	.30	.40	-2000.00	-2000.000	1.61	-2000.00
	3	24.9	179.0	3.5	82.70	.03	.20	-2000.00	-2000.000	1.34	-2000.00
	4	17.2	206.0	3.0	65.05	.10	.20	-2000.00	-2000.000	2.76	-2000.00
	5	10.9	196.0	3.0	67.26	.03	.20	-2000.00	-2000.000	12.59	-2000.00
220	1	174.5	199.0	2.9	47.42	.10	.30	-2000.00	-2000.000	2.71	-2000.00
	2	50.0	171.5	2.9	55.58	.03	.30	-2000.00	-2000.000	3.03	-2000.00
	3	45.4	311.0	4.1	169.44	.03	.10	-2000.00	-2000.000	2.05	-2000.00
	4	15.0	171.0	2.7	21.35	.30	.70	-2000.00	-2000.000	19.61	-2000.00
	5	12.0	205.0	2.8	73.43	.01	.20	-2000.00	-2000.000	7.93	-2000.00
240	1	285.3	298.0	3.2	84.82	.01	.20	-2000.00	-2000.000	1.95	-2000.00
	2	75.6	237.5	3.6	82.76	.03	.20	-2000.00	-2000.000	2.62	-2000.00
	3	28.8	181.0	2.9	31.94	.30	.40	-2000.00	-2000.000	2.27	-2000.00
	4	30.2	315.0	3.8	163.93	.01	.10	-2000.00	-2000.000	3.99	-2000.00
	5	11.3	177.0	3.8	31.99	.30	.50	-2000.00	-2000.000	9.43	-2000.00
260	1	217.0	259.0	3.4	79.24	.03	.20	-2000.00	-2000.000	2.61	-2000.00
	2	83.2	298.6	3.4	72.04	.10	.20	-2000.00	-2000.000	3.45	-2000.00
	3	35.3	253.0	2.9	23.49	.30	.60	-2000.00	-2000.000	6.57	-2000.00
	4	15.4	183.0	2.6	49.80	.03	.30	-2000.00	-2000.000	12.39	-2000.00
	5	17.9	321.0	4.1	90.25	.30	.20	-2000.00	-2000.000	5.76	-2000.00
280	1	237.4	297.0	3.4	54.17	.10	.30	-2000.00	-2000.000	1.61	-2000.00
	2	79.3	299.1	3.7	157.64	.01	.10	-2000.00	-2000.000	3.05	-2000.00
	3	46.4	350.0	3.2	52.66	.10	.30	-2000.00	-2000.000	2.21	-2000.00
	4	22.7	285.0	4.7	68.35	30.00	.30	-2000.00	-2000.000	6.26	-2000.00
	5	10.6	199.0	3.1	77.76	.10	.20	-2000.00	-2000.000	5.25	-2000.00
300	1	242.6	304.0	3.2	85.46	.01	.20	-2000.00	-2000.000	1.88	-2000.00
	2	104.2	392.0	3.7	97.53	.01	.20	-2000.00	-2000.000	1.36	-2000.00
	3	50.6	381.0	4.2	163.37	.10	.10	-2000.00	-2000.000	3.62	-2000.00
	4	33.2	417.0	4.0	94.51	.03	.20	-2000.00	-2000.000	1.42	-2000.00
	5	17.5	329.0	3.7	76.36	.03	.30	-2000.00	-2000.000	4.83	-2000.00
320	1	236.4	312.0	2.9	74.09	.01	.20	-2000.00	-2000.000	3.69	-2000.00
	2	99.3	394.0	4.0	43.17	.30	.40	-2000.00	-2000.000	2.38	-2000.00
	3	59.7	474.0	4.4	94.94	.10	.20	-2000.00	-2000.000	1.38	-2000.00
	4	32.4	427.0	4.6	105.89	.03	.20	-2000.00	-2000.000	1.24	-2000.00
	5	22.6	449.0	4.8	100.39	.10	.20	-2000.00	-2000.000	1.08	-2000.00
340	1	256.5	378.0	2.9	76.48	.01	.20	-2000.00	-2000.000	1.50	-2000.00
	2	97.4	432.0	3.7	88.46	.03	.20	-2000.00	-2000.000	1.02	-2000.00
	3	57.3	508.0	4.6	186.67	.01	.10	-2000.00	-2000.000	1.82	-2000.00
	4	38.1	562.0	4.8	105.43	.10	.20	-2000.00	-2000.000	1.18	-2000.00
	5	21.8	482.0	5.1	108.35	.10	.20	-2000.00	-2000.000	1.52	-2000.00
360	1	390.3	489.0	2.8	76.22	.01	.20	-2000.00	-2000.000	2.69	-2000.00
	2	148.6	560.0	3.9	90.38	.03	.20	-2000.00	-2000.000	1.86	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	3	71.4	539.0	4.3	109.89	.01	.20	-2000.00	-2000.000	1.30	-2000.00
	4	45.8	575.0	4.3	70.59	.10	.30	-2000.00	-2000.000	2.35	-2000.00
	5	32.4	611.0	5.0	79.16	.10	.30	-2000.00	-2000.000	1.30	-2000.00
380	1	482.9	637.0	2.7	52.32	.03	.30	-2000.00	-2000.000	1.86	-2000.00
	2	153.5	609.0	3.9	91.66	.03	.20	-2000.00	-2000.000	1.16	-2000.00
	3	74.4	590.0	4.3	69.18	.10	.30	-2000.00	-2000.000	1.18	-2000.00
	4	40.8	539.0	5.3	112.43	.10	.20	-2000.00	-2000.000	1.09	-2000.00
	5	28.5	566.0	5.6	130.05	.03	.20	-2000.00	-2000.000	1.13	-2000.00
400	1	504.2	666.0	3.4	55.71	.10	.30	-2000.00	-2000.000	2.00	-2000.00
	2	183.9	729.0	4.1	108.97	.01	.20	-2000.00	-2000.000	1.74	-2000.00
	3	75.9	602.0	5.0	115.55	.03	.20	-2000.00	-2000.000	1.33	-2000.00
	4	42.7	563.0	5.6	131.76	.03	.20	-2000.00	-2000.000	1.37	-2000.00
	5	26.1	517.0	6.5	238.89	.10	.10	-2000.00	-2000.000	2.49	-2000.00
420	1	552.5	660.0	4.8	125.61	.01	.20	-2000.00	-2000.000	2.30	-2000.00
	2	237.2	851.0	5.2	121.63	.03	.20	-2000.00	-2000.000	4.09	-2000.00
	3	107.1	770.0	5.5	127.89	.03	.20	-2000.00	-2000.000	1.03	-2000.00
	4	48.9	584.0	6.4	145.17	.03	.20	-2000.00	-2000.000	1.28	-2000.00
	5	30.0	538.0	7.2	278.31	.01	.10	-2000.00	-2000.000	1.55	-2000.00
440	1	598.2	682.0	6.1	157.31	.01	.20	-2000.00	-2000.000	.99	-2000.00
	2	236.2	809.0	6.4	167.13	.01	.20	-2000.00	-2000.000	1.18	-2000.00
	3	125.0	850.0	6.5	136.41	.10	.20	-2000.00	-2000.000	1.35	-2000.00
	4	62.1	708.0	6.5	150.81	.03	.20	-2000.00	-2000.000	1.19	-2000.00
	5	30.9	529.0	7.5	292.45	.01	.10	-2000.00	-2000.000	1.28	-2000.00
460	1	319.8	422.0	5.9	153.08	.01	.20	-2000.00	-2000.000	1.04	-2000.00
	2	192.8	765.0	6.8	146.15	.10	.20	-2000.00	-2000.000	2.31	-2000.00
	3	98.2	780.0	6.4	164.95	.01	.20	-2000.00	-2000.000	.91	-2000.00
	4	59.7	789.0	6.8	267.76	.01	.10	-2000.00	-2000.000	1.15	-2000.00
	5	32.1	637.0	7.0	278.03	.01	.10	-2000.00	-2000.000	1.34	-2000.00
480	1	377.2	430.0	6.9	160.34	.03	.20	-2000.00	-2000.000	1.34	-2000.00
	2	184.0	630.0	8.1	183.86	.03	.20	-2000.00	-2000.000	1.09	-2000.00
	3	139.0	950.0	8.1	170.20	.10	.20	-2000.00	-2000.000	1.07	-2000.00
	4	76.7	874.0	8.2	297.80	.10	.10	-2000.00	-2000.000	1.40	-2000.00
	5	49.8	852.0	8.0	299.70	.03	.10	-2000.00	-2000.000	1.06	-2000.00
500	1	521.9	689.0	8.1	184.22	.03	.20	-2000.00	-2000.000	1.01	-2000.00
	2	154.7	613.0	9.0	205.16	.03	.20	-2000.00	-2000.000	1.18	-2000.00
	3	99.2	788.0	9.9	332.55	3.00	.10	-2000.00	-2000.000	1.26	-2000.00
	4	80.4	1062.0	9.5	351.21	.03	.10	-2000.00	-2000.000	1.10	-2000.00
	5	46.6	924.0	9.1	326.42	.10	.10	-2000.00	-2000.000	1.14	-2000.00
520	1	719.3	950.0	7.6	296.19	.01	.10	-2000.00	-2000.000	1.20	-2000.00
	2	283.8	1126.0	10.9	408.62	.01	.10	-2000.00	-2000.000	1.11	-2000.00
	3	103.0	810.0	11.1	413.32	.01	.10	-2000.00	-2000.000	.60	-2000.00
	4	73.9	975.0	11.2	378.51	.30	.10	-2000.00	-2000.000	.92	-2000.00

Station	Dipole	Vp	Apparent Resist.	M7	Cole-Cole Parameters M-IP	TAU-IP	C-IP	M-EM	TAU-EM	Fit/IP	Fit/EM
	5	62.7	1244.0	10.7	366.21	.30	.10	-2000.00	-2000.000	.66	-2000.00
540	1	1303.0	1480.0	8.2	292.41	.30	.10	-2000.00	-2000.000	.83	-2000.00
	2	420.9	1442.0	10.8	358.86	10.00	.10	-2000.00	-2000.000	1.01	-2000.00
	3	211.7	1450.0	12.5	437.62	.03	.10	-2000.00	-2000.000	.67	-2000.00
	4	85.3	972.0	12.1	419.91	.10	.10	-2000.00	-2000.000	.77	-2000.00
	5	66.4	1137.0	11.6	384.06	1.00	.10	-2000.00	-2000.000	.70	-2000.00
560	1	978.3	1444.0	6.8	269.29	.01	.10	-2000.00	-2000.000	1.26	-2000.00
	2	445.4	1975.0	10.7	358.65	3.00	.10	-2000.00	-2000.000	.80	-2000.00
	3	195.1	1730.0	11.9	214.61	1.00	.20	-2000.00	-2000.000	.81	-2000.00
	4	110.0	1620.0	12.8	433.97	.10	.10	-2000.00	-2000.000	.78	-2000.00
	5	47.6	1056.0	12.3	420.38	.10	.10	-2000.00	-2000.000	.84	-2000.00
580	1	1428.0	1880.0	4.3	101.24	.03	.20	-2000.00	-2000.000	1.16	-2000.00
	2	539.0	2138.0	8.8	309.98	.30	.10	-2000.00	-2000.000	.66	-2000.00
	3	308.5	2450.0	11.7	378.74	30.00	.10	-2000.00	-2000.000	.80	-2000.00
	4	152.0	2000.0	12.2	398.25	1.00	.10	-2000.00	-2000.000	.72	-2000.00
	5	91.1	1807.0	12.7	431.24	.10	.10	-2000.00	-2000.000	.74	-2000.00

APPENDIX C

Resistivity Sounding Summary

DATA SET: L4+00W

CLIENT: Placer Development Limited DATE: 87/06/22
LOCATION: Spruce Creek V-209 SOUNDING: 00001
COUNTY: Atlin, B.C. AZIMUTH: 350 deg
PROJECT: Resistivity Data EQUIPMENT: IPR-8
ELEVATION: 0.00
Wenner Configuration

FITTING ERROR: 10.326 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	331.9	0.351	-0.351	0.00106	116.5
2	2378.2	0.642	-0.993	2.700E-04	1527.1
3	150.6	11.73	-12.72	0.0779	1767.0
4	280.2	23.21	-35.93	0.0828	6505.4
5	76.68				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	702.0	736.8	-4.96
2	2.00	929.0	730.8	21.33
3	3.00	471.0	558.4	-18.57
4	5.00	317.0	309.2	2.46
5	10.00	175.0	178.9	-2.24
6	15.00	183.0	179.1	2.10
7	20.00	172.0	185.8	-8.02
8	30.00	200.0	190.5	4.71
9	50.00	177.0	172.5	2.51
10	70.00	134.0	145.3	-8.49
11	100.0	114.0	115.2	-1.07

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	0.57				
P 2	0.08	0.62			
P 3	0.03	-0.03	0.95		
P 4	-0.01	0.01	-0.01	0.88	
P 5	-0.01	0.00	0.01	-0.03	0.95

DATA SET: L5+00W

CLIENT: Placer Development Limited
LOCATION: Spruce Creek V-209
COUNTY: Atlin, B.C.
PROJECT: Resistivity Data
ELEVATION: 0.00
DATE: 87/06/22
SOUNDING: 00002
AZIMUTH: 350 deg
EQUIPMENT: IPR-8

Wenner Configuration

FITTING ERROR: 6.082 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	4596.2	2.03	-2.03	4.429E-04	9357.1
2	188.7	20.39	-22.43	0.108	3849.5
3	81.93				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	4815.0	4340.8	9.84
2	2.00	2908.0	3296.3	-13.35
3	3.00	2151.0	2146.5	0.207
4	5.00	828.0	817.0	1.32
5	10.00	238.0	225.4	5.29
6	15.00	188.0	191.3	-1.80
7	20.00	168.0	173.8	-3.49
8	30.00	140.0	145.4	-3.91
9	50.00	124.0	116.3	6.17
10	70.00	103.0	101.5	1.44
11	100.0	88.00	91.47	-3.94

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	1.00		
T 1	0.00	0.00	0.00	1.00	
T 2	0.00	0.00	0.00	0.00	1.00
	P 1	P 2	P 3	T 1	T 2

DATA SET: L6+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00003
COUNTY: ATLIN, B.C. AZIMUTH: 345 Deg.
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00

Wenner Configuration

FITTING ERROR: 5.228 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	813.3	2.73	-2.73	0.00336	2222.4
2	221.5	36.47	-39.20	0.164	8080.7
3	109.2				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	828.0	801.7	3.17
2	2.00	765.0	732.8	4.20
3	3.00	587.0	629.0	-7.16
4	5.00	413.0	443.4	-7.36
5	7.00	356.0	336.8	5.36
6	10.00	290.0	268.3	7.46
7	15.00	241.0	235.3	2.32
8	20.00	206.0	224.1	-8.82
9	30.00	204.0	208.7	-2.34
10	50.00	181.0	180.1	0.485
11	70.00	162.0	157.3	2.87
12	100.0	134.0	136.1	-1.57

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	1.00		
T 1	0.00	0.00	0.00	1.00	
T 2	0.00	0.00	0.00	0.00	1.00
	P 1	P 2	P 3	T 1	T 2

DATA SET: L7+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00004
COUNTY: ATLIN, B.C. AZIMUTH: 345 Deg.
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00

Wenner Configuration

FITTING ERROR: 17.933 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	469.4	3.91	-3.91	0.00834	1837.2
2	221.7	66.08	-69.99 ?	0.297	14656.6
3	416.9				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	563.0	468.2	16.82
2	2.00	430.0	457.5	-6.40
3	3.00	395.0	436.1	-10.42
4	5.00	336.0	380.3	-13.19
5	7.00	352.0	330.9	5.96
6	10.00	287.0	283.3	1.26
7	15.00	322.0	248.6	22.76
8	20.00	228.0	236.6	-3.78
9	30.00	165.0	231.0	-40.00
10	50.00	305.0	237.2	22.21
11	70.00	224.0	251.0	-12.07
12	100.0	288.0	275.0	4.48

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	0.82		
T 1	0.00	0.01	0.00	0.98	
T 2	0.00	-0.02	-0.31	0.03	0.34
	P 1	P 2	P 3	T 1	T 2

DATA SET: L8+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00005
COUNTY: ATLIN, B.C. AZIMUTH: 345 Deg.
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00
Wenner Configuration

FITTING ERROR: 8.928 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	1115.3	0.791	-0.791	7.095E-04	882.6
2	258.4	48.47	-49.26	0.187	12529.6
3	181.4				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	785.0	771.1	1.76
2	2.00	397.0	420.8	-6.01
3	3.00	338.0	314.2	7.01
4	5.00	293.0	273.1	6.78
5	7.00	234.0	265.7	-13.58
6	10.00	244.0	261.9	-7.33
7	15.00	293.0	259.8	11.29
8	20.00	278.0	258.5	6.98
9	30.00	225.0	254.3	-13.04
10	50.00	262.0	242.2	7.54
11	70.00	206.0	229.5	-11.44
12	100.0	215.0	214.1	0.383

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	0.98				
P 2	0.00	1.00			
P 3	0.00	0.00	0.66		
T 1	0.01	0.00	0.00	0.99	
T 2	0.01	0.01	0.36	-0.01	0.57
	P 1	P 2	P 3	T 1	T 2

DATA SET: L18+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00010 1.RSX
COUNTY: ATLIN, B.C. AZIMUTH:
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00
Wenner Configuration

FITTING ERROR: 17.629 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	6158.8	2.91	-2.91	4.726E-04	17925.4
2	2594.0	3.80	-6.71	0.00147	9871.8
3	132.7				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	5672.0	6105.4	-7.64
2	2.00	6572.0	5732.9	12.76
3	3.00	4956.0	5084.7	-2.59
4	5.00	3098.0	3636.4	-17.38
5	7.00	2625.0	2458.8	6.33
6	10.00	1691.0	1326.5	21.55
7	15.00	377.0	509.1	-35.04
8	20.00	284.0	255.4	10.05
9	30.00	188.0	157.0	16.48
10	50.00	130.0	143.6	-10.47
11	70.00	114.0	139.8	-22.67
12	100.0	159.0	139.5	12.25

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	0.86				
P 2	0.01	0.23			
P 3	0.00	-0.02	0.89		
T 1	0.08	0.34	-0.01	0.53	
T 2	-0.09	0.17	0.05	0.23	0.56
	P 1	P 2	P 3	T 1	T 2

DATA SET: L19+00W

CLIENT: PLACER DEVELOPMENT LTD.
LOCATION: SPRUCE CREEK PROJECT
COUNTY: ATLIN, B.C.
PROJECT: RESISTIVITY DATA
ELEVATION: 0.00

DATE: JUNE 23/87
SOUNDING: 00008
AZIMUTH: 9
EQUIPMENT: IPR8

1.RSX

Wenner Configuration

FITTING ERROR: 11.389 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	2249.0	2.44	-2.44	0.00109	5496.0
2	767.8	5.37	-7.81	0.00700	4125.3
3	95.06				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	2206.0	2208.9	-0.134
2	2.00	2047.0	1994.2	2.57
3	3.00	1692.0	1686.9	0.296
4	5.00	1034.0	1149.4	-11.16
5	7.00	889.0	803.3	9.63
6	10.00	501.0	499.5	0.296
7	15.00	243.0	260.8	-7.33
8	20.00	179.0	166.1	7.18
9	30.00	110.0	112.6	-2.44
10	50.00	78.00	101.2	-29.82
11	70.00	107.0	99.22	7.26
12	100.0	117.0	97.71	16.48

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	1.00		
T 1	0.00	0.00	0.00	1.00	
T 2	0.00	0.00	0.00	0.00	1.00
	P 1	P 2	P 3	T 1	T 2

* Placer Development Limited *

DATA SET: L20+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00008
COUNTY: ATLIN, B.C. AZIMUTH: 1.RSX
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00

Wenner Configuration

FITTING ERROR: 8.638 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	68.64	1.93	-1.93	0.0281	132.6
2	446.5	8.83	-10.76	0.0197	3943.8
3	73.27				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	71.00	72.74	-2.45
2	2.00	98.00	91.92	6.20
3	3.00	117.0	117.4	-0.416
4	5.00	161.0	163.1	-1.34
5	7.00	182.0	194.8	-7.06
6	10.00	222.0	220.6	0.612
7	15.00	219.0	226.9	-3.61
8	20.00	227.0	210.8	7.10
9	30.00	175.0	165.4	5.45
10	50.00	106.0	107.9	-1.84
11	70.00	72.00	87.30	-21.25
12	100.0	92.00	78.42	14.75

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	1.00		
T 1	0.00	0.00	0.00	1.00	
T 2	0.00	0.01	0.00	0.00	0.99
	P 1	P 2	P 3	T 1	T 2

DATA SET: L21+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00007
COUNTY: ATLIN, B.C. AZIMUTH: 1.RSX
PROJECT: RESISTIVITY DATA EQUIPMENT: IPR8
ELEVATION: 0.00

Wenner Configuration

FITTING ERROR: 9.472 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	2718.4	1.82	-1.82	6.725E-04	4969.6
2	471.7	14.28	-16.11	0.0302	6740.7
3	126.7				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	SYNTHETIC	DIFFERENCE (percent)
1	1.00	2338.0	2560.4	-9.51
2	2.00	2142.0	1980.6	7.53
3	3.00	1556.0	1402.0	9.89
4	5.00	652.0	782.4	-20.00
5	7.00	612.0	574.1	6.19
6	10.00	531.0	473.7	10.77
7	15.00	353.0	394.9	-11.89
8	20.00	323.0	329.8	-2.13
9	30.00	257.0	237.6	7.53
10	50.00	157.0	163.3	-4.03
11	70.00	139.0	142.7	-2.71
12	100.0	139.0	134.2	3.38

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	1.00				
P 2	0.00	1.00			
P 3	0.00	0.00	1.00		
T 1	0.00	0.00	0.00	1.00	
T 2	0.00	0.00	0.00	0.00	1.00
	P 1	P 2	P 3	T 1	T 2

DATA SET: L22+00W

CLIENT: PLACER DEVELOPMENT LTD. DATE: JUNE 23/87
LOCATION: SPRUCE CREEK PROJECT SOUNDING: 00006
COUNTY: ATLIN, B.C. AZIMUTH: 1.RSX
PROJECT: RESISTIVITY DATA EQUIPMENT: NONE RESX
ELEVATION: 0.00

Wenner Configuration

FITTING ERROR: 12.778 PERCENT

L #	RESISTIVITY (ohm-m)	THICKNESS (meters)	ELEVATION (meters)	CONDUCTANCE (Siemens)	RESISTANCE (Ohms)
			0.0		
1	2224.7	2.15	-2.15	9.701E-04	4801.0
2	1018.3	8.50	-10.65	0.00835	8656.9
3	247.6				

ALL PARAMETERS ARE FREE

No.	SPACING (m)	RHO-A (ohm-m) DATA	RHO-A (ohm-m) SYNTHETIC	DIFFERENCE (percent)
1	1.00	2108.0	2180.7	-3.44
2	2.00	2157.0	1977.3	8.32
3	3.00	1684.0	1720.4	-2.16
4	5.00	1290.0	1328.1	-2.95
5	7.00	1065.0	1098.6	-3.15
6	10.00	819.0	882.8	-7.79
7	15.00	684.0	642.8	6.01
8	20.00	606.0	488.9	19.30
9	30.00	267.0	340.7	-27.61
10	50.00	235.0	271.3	-15.45
11	70.00	279.0	259.4	7.00
12	100.0	294.0	253.7	13.68

PARAMETER RESOLUTION MATRIX:
"F" INDICATES FIXED PARAMETER

P 1	0.88				
P 2	-0.01	0.68			
P 3	0.00	-0.02	0.91		
T 1	0.12	0.29	0.01	0.36	
T 2	-0.04	0.19	0.08	-0.04	0.66
	P 1	P 2	P 3	T 1	T 2

SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

July 4, 1987

Mr. Richard Cannon
PLACER DEVELOPMENT LTD.
1500 - 1055 Dunsmuir Street
Vancouver, B.C. V7X 1P1

Invoice: IPR11 and IGS Surveys, Spruce Creek Property

The following charges are due for work on the above project, per our agreement of February 24, 1987.

IPR11 Survey:		
Fixed charge (per section 11.2.1)	500.00	
For SCOTT personnel and equipment (sections 11.2.2 a & b)		
Per travel day: June 18, 19, 30, July 1, 2		
50% share of 5 days @ 650.	1625.00	
Per survey day: June 20 to 24 5 days @ 950.	4750.00	
For provision of field assistants (section 11.2.6)		
3 field assistants: 5 survey days @ 120/manday	1800.00	
3 field assistants: 2 travel days @ 120 x 50%	360.00	
2 field assistants: 3 travel days @ 120 x 50%	360.00	
For meals, accommodations, gas and oil (sec. 11.2.4)		
per attached expense summary	2498.31	
plus 10 %	249.83	
Total charges IPR11 survey:		12143.14
IGS Survey:		
Fixed charge (section 11.1.1)	500.00	
Mob/demob (section 11.1.1) 50% of 1500.	750.00	
37.15 kms mag plus VLF survey @ 10m interval @ 156.00	5795.40	
Total charges IGS Survey:		7045.40
Total charges this invoice:		19188.54
Less down payment:		-7500.00
TOTAL THIS INVOICE:		11688.54

Yours truly,

Alan Scott

Encl. (production report and expense summary)

209-33

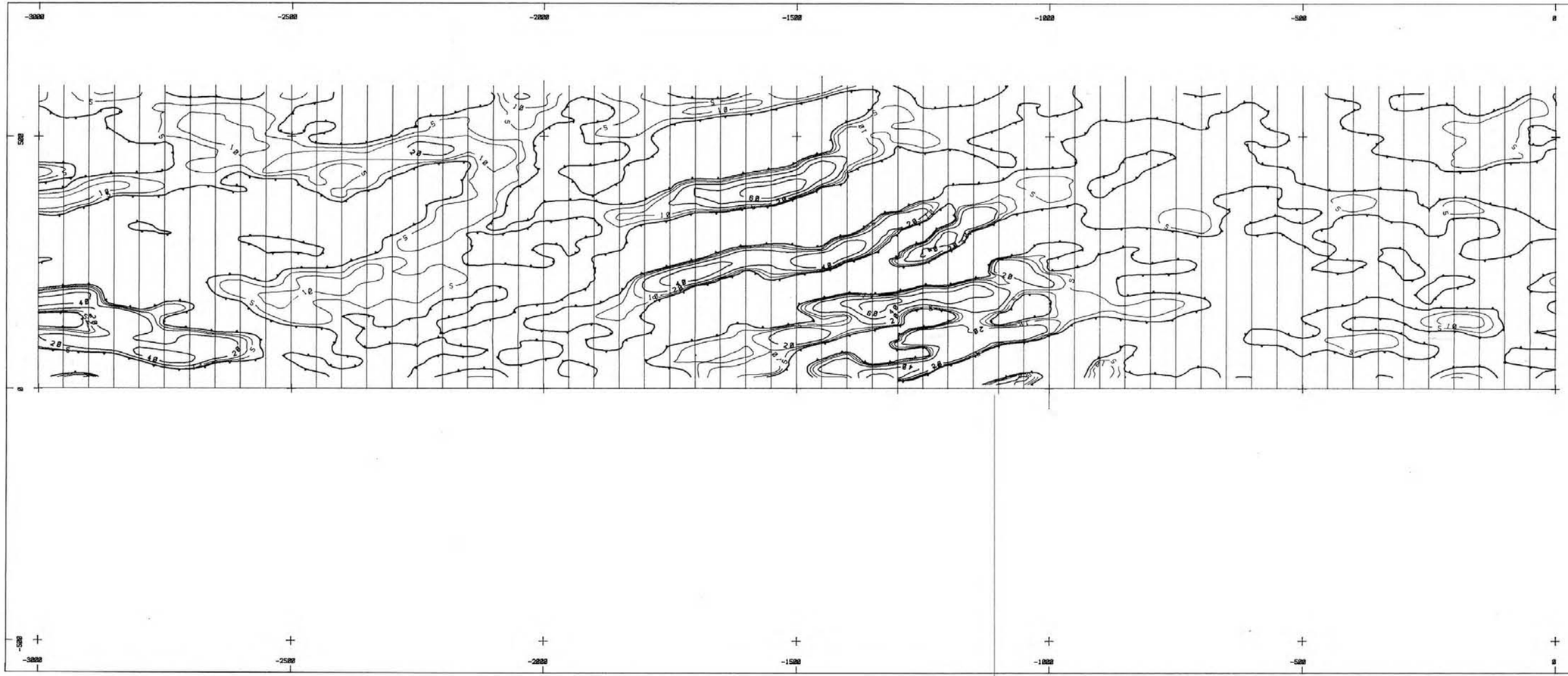
13/7/1987

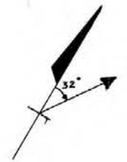
OS-84-80133-71-209 RJE-00524

APPENDIX D

Induced Polarization Pseudo-sections

Pseudo-sections:
- L 8+00W
- L 11+50W
- L 12+00W
- L 12+50W
- L 13+00W
- L 13+50W
- L 22+00W





LEGEND:

Station: NPM (Hawaii) 23.4 kHz

Direction to station: 260 deg

Reading direction: EAST

Equipment: IGS (Scintrex VLF-4)

Contours: 0,5,10,20,40,60,80

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PLACER DEVELOPMENT LIMITED

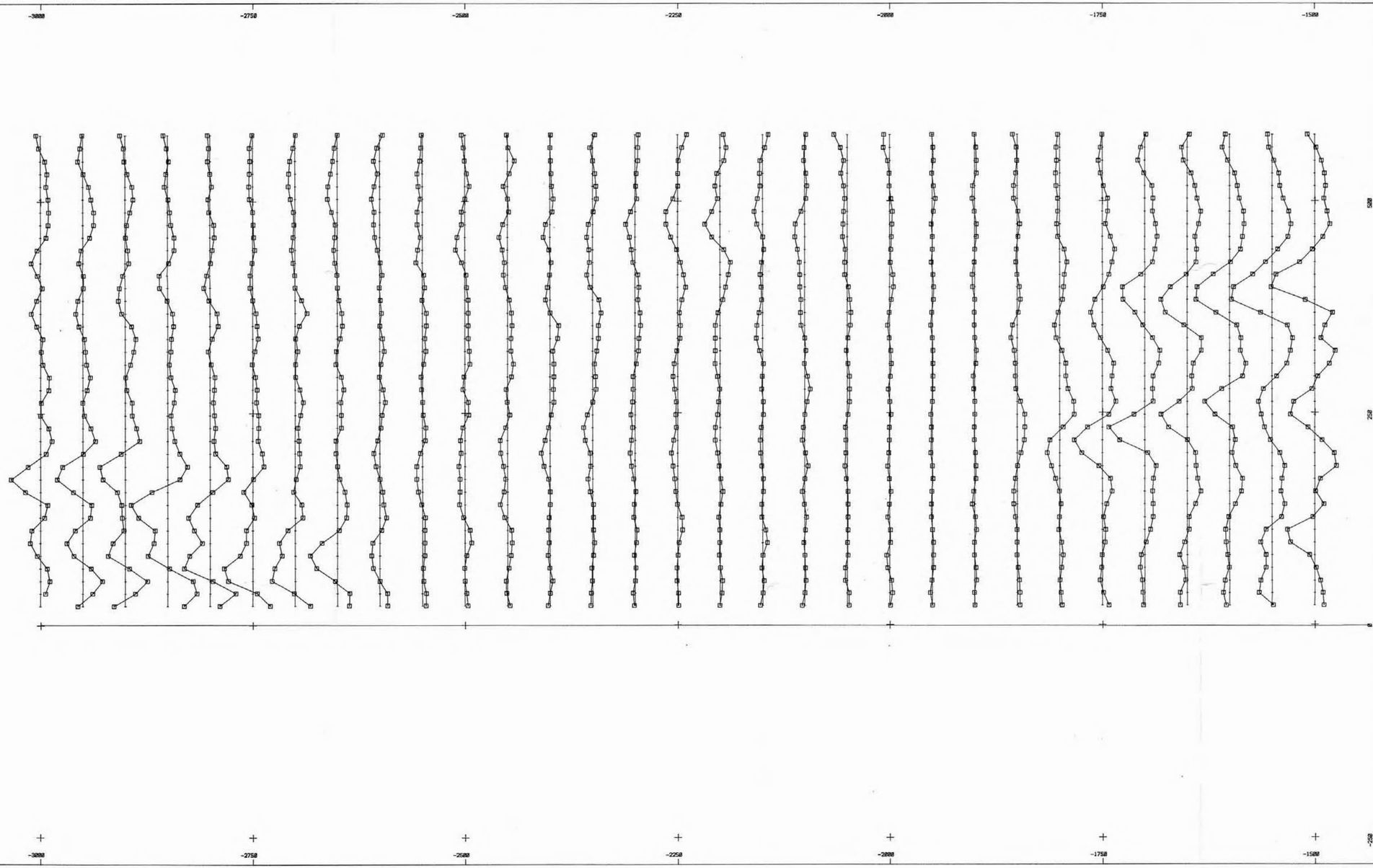
V - 209 Spruce Creek
Atlin, B.C.

VLF - Fraser Filter

Scale: 1:5000

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 001



LEGEND:

Profile Scale: 1 cm = 40%

Station: NPM (Hawaii) 23.4 kHz

Stations shown are the result of resampling the actual survey data

GEOLOGICAL BRANCH
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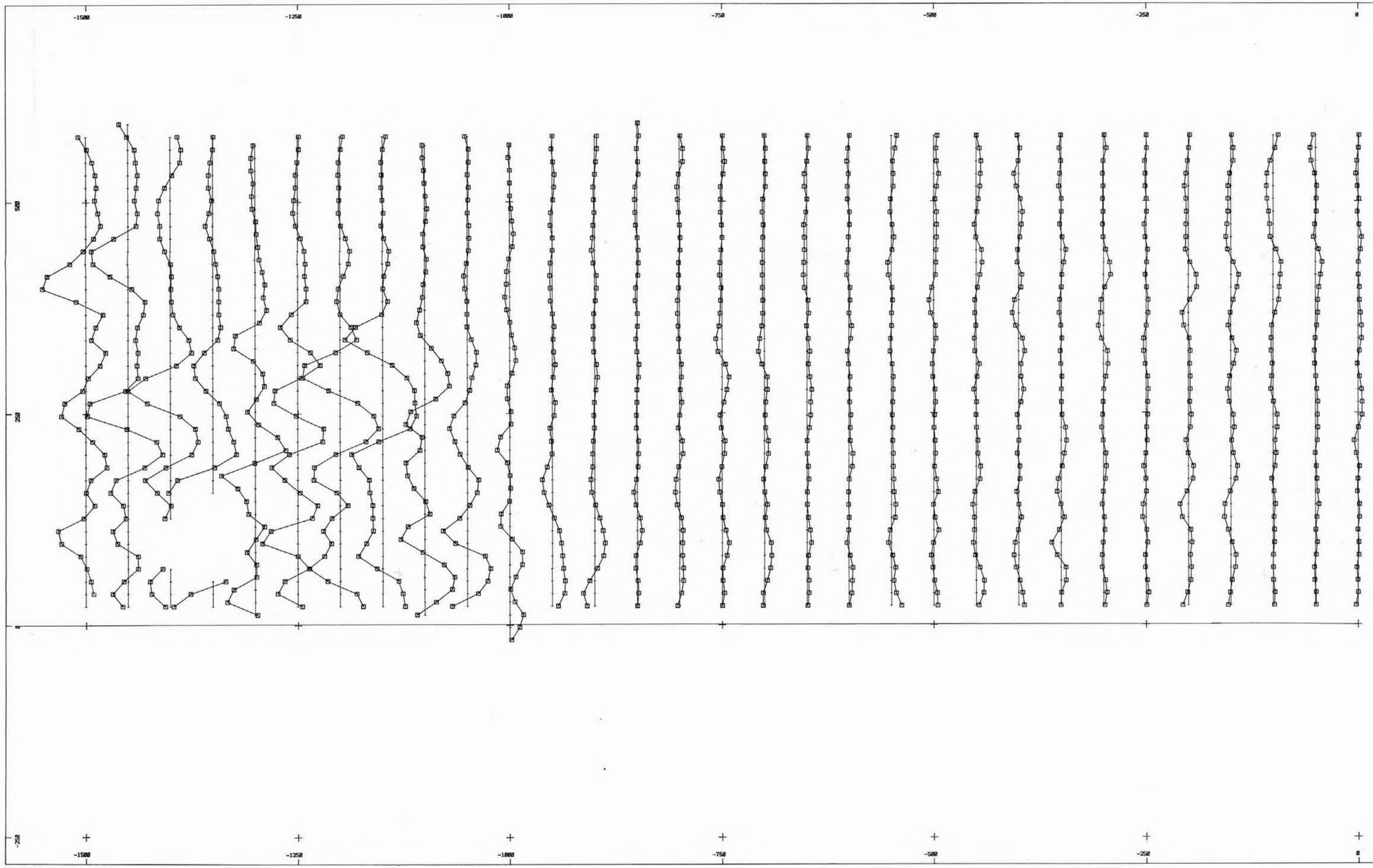
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF - Fraser Filter Profiles
Lines 30+00W to 15+00W
Scale 1:2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 002



LEGEND:

Profile Scale: 1 cm = 40%

Station: NPM (Hawaii) 23.4 kHz

Stations shown are the result of resampling the actual survey data

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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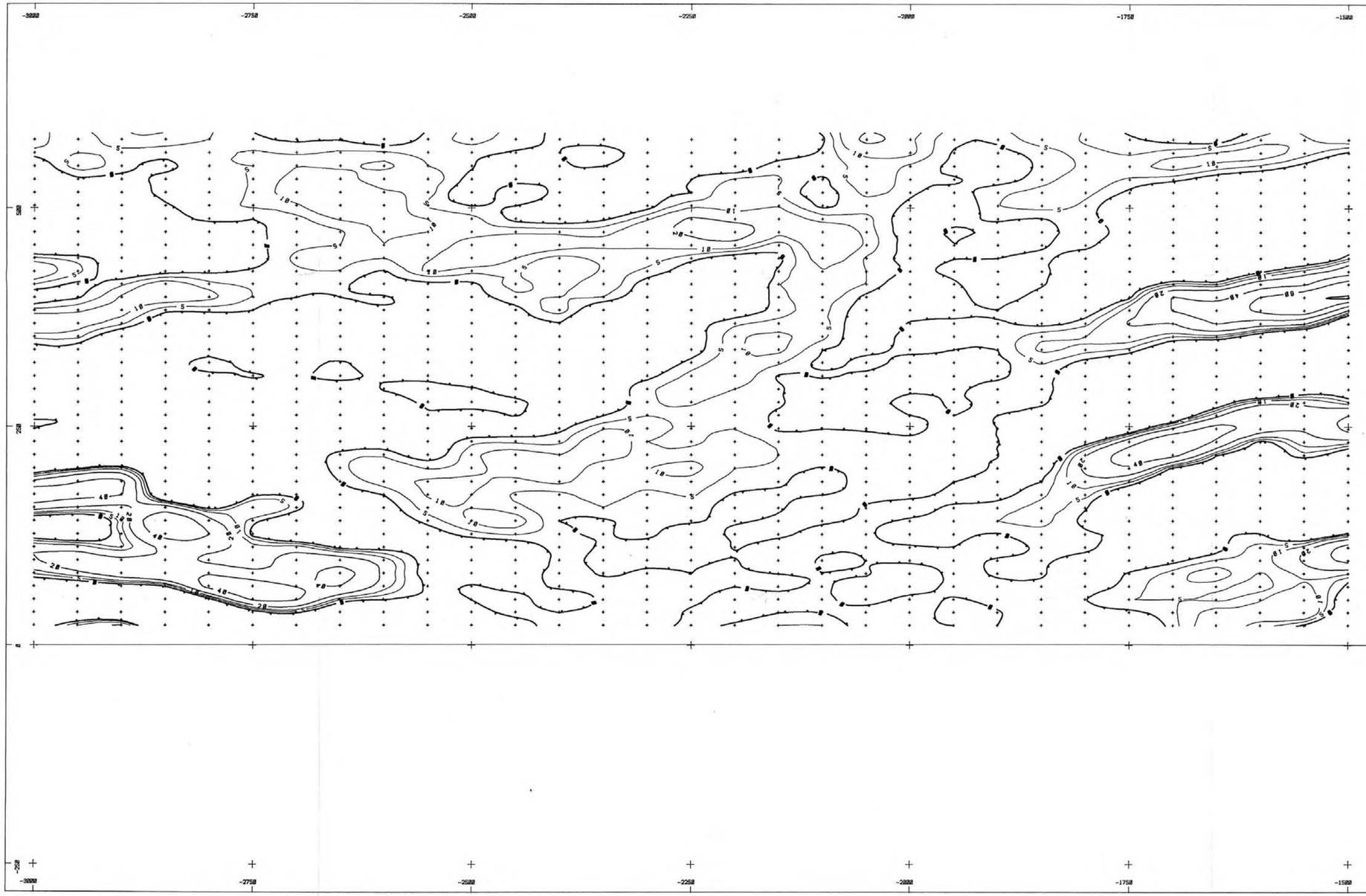
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF - Fraser Filter Profiles
Lines 15+00W to 0
Scale: 1:2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 003



LEGEND:

Station: NPM (Hawaii) 23.4 kHz

Direction to station wrt grid: .
NPM - 260 deg.

Reading direction: EAST

Equipment: IGS (Scintrex VLF-4)

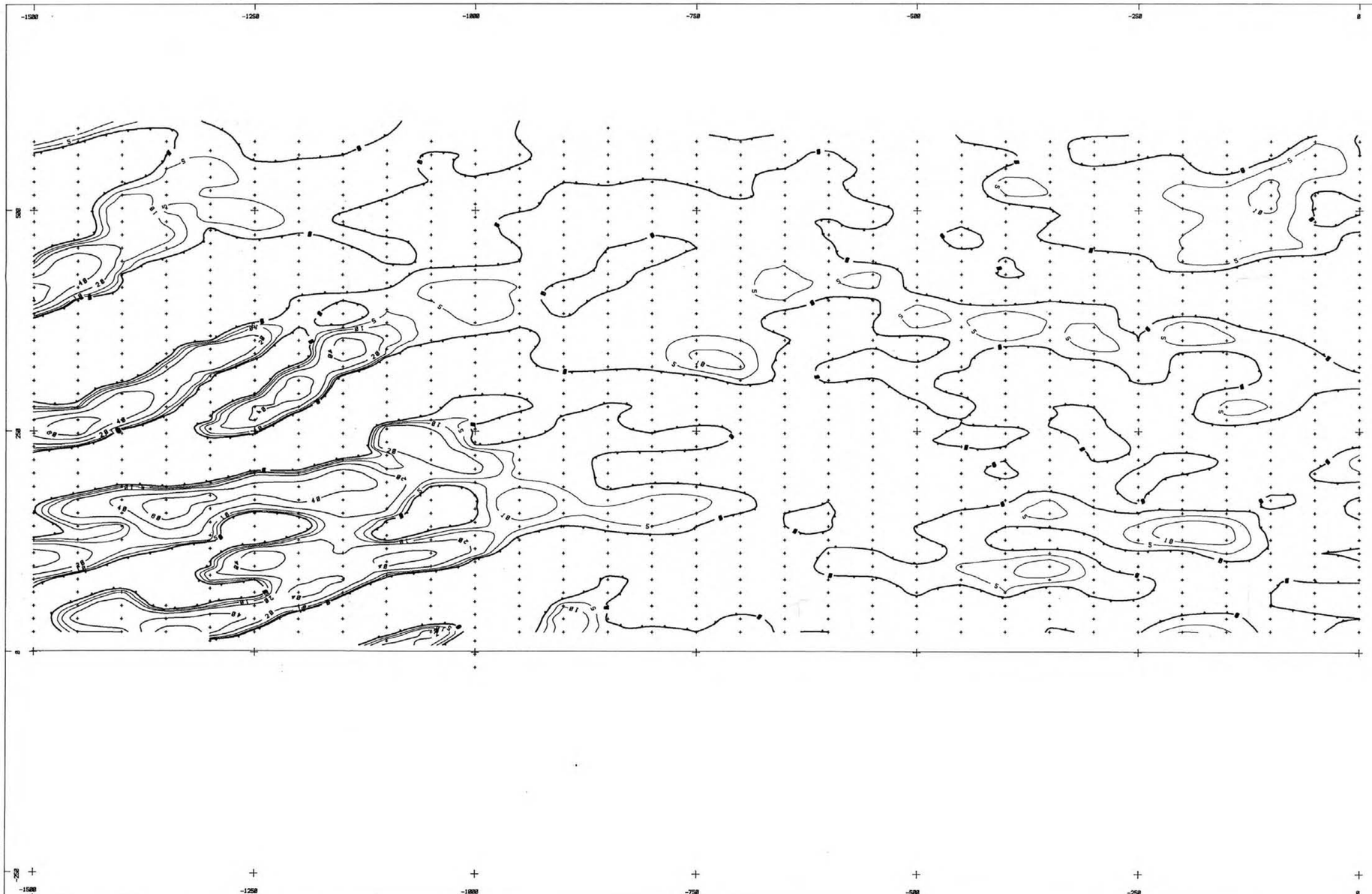
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF - Fraser Filter
Lines: 30+00W to 15+00W
Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 004



LEGEND:

Station: NPM (Hawaii) 23.4 kHz
Lines Ø to 5+50W - .
. NAA (Cutler) 24.0 kHz
Direction to station wrt grid: .
NPM - 260 deg. NAA - 095 deg.
Reading direction: EAST
Equipment: IGS (Scintrex VLF-4)

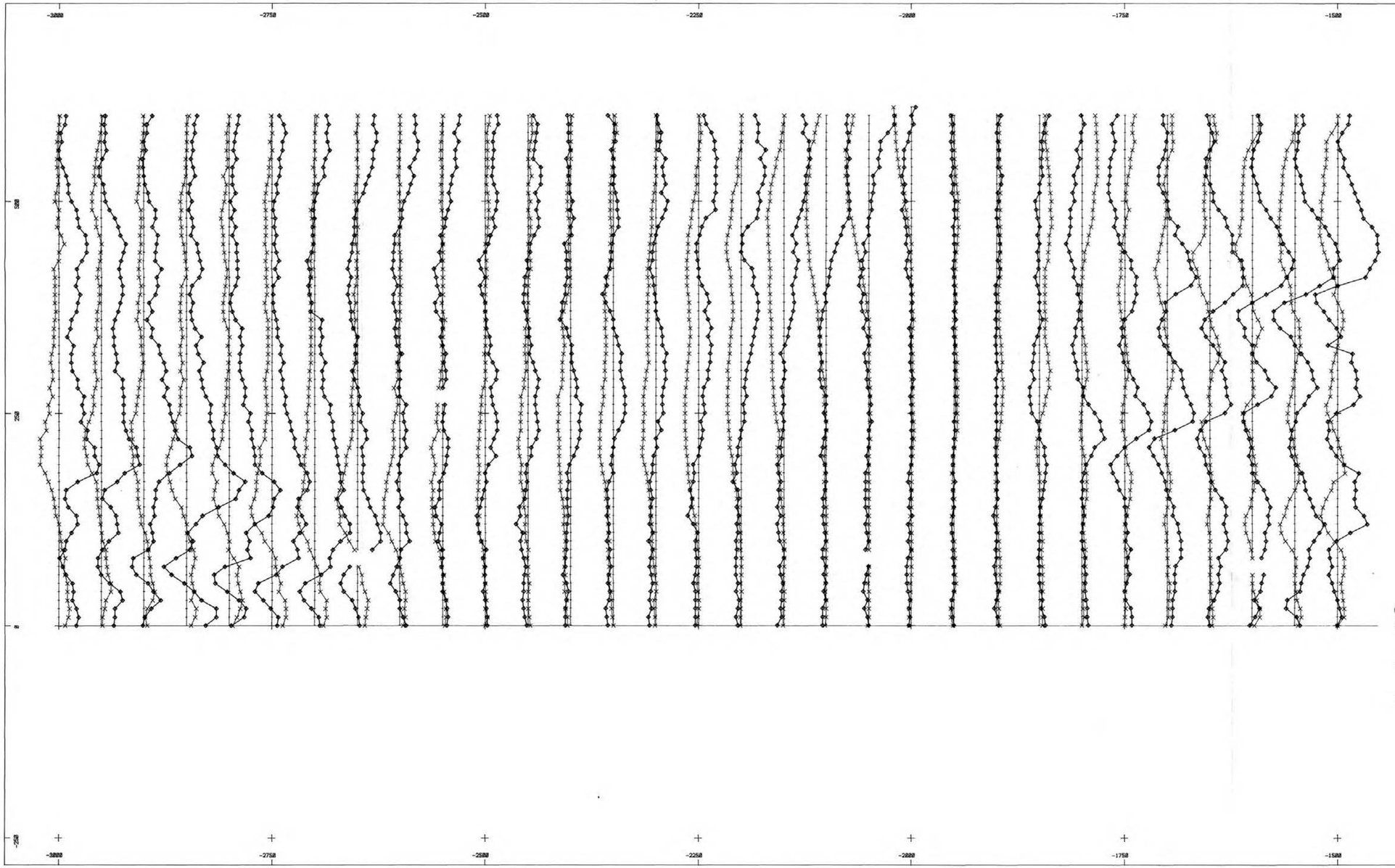
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF - Fraser Filter
Lines: 15+00W to Ø
Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 005



LEGEND:

	Station NPM (Hawaii)	23.4 kHz
◇	In Phase values	20% / cm
✕	Quadrature values	20% / cm
	Zero %	on line
	Positive values	to west
	Proper crossover has positive pk to the south.	

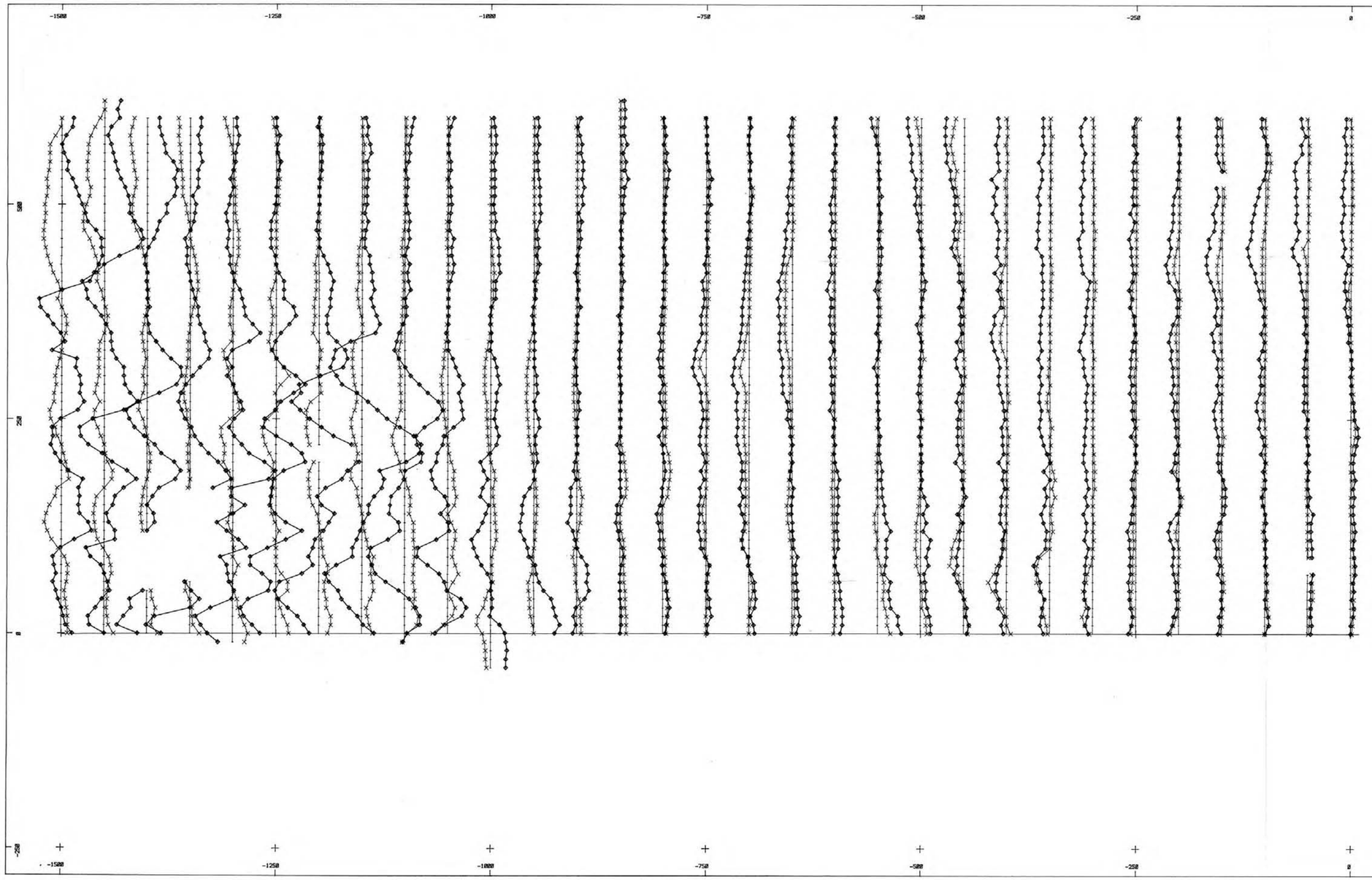
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF Survey
Lines 30+00W to 15+00W
Scale 1: 2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 006



LEGEND:

Station NPM (Hawaii)	23.4 kHz
◇ In Phase values	20% / cm
X Quadrature values	20% / cm
Zero %	on line
Positive values	to west

Proper crossover has positive pk to the south.

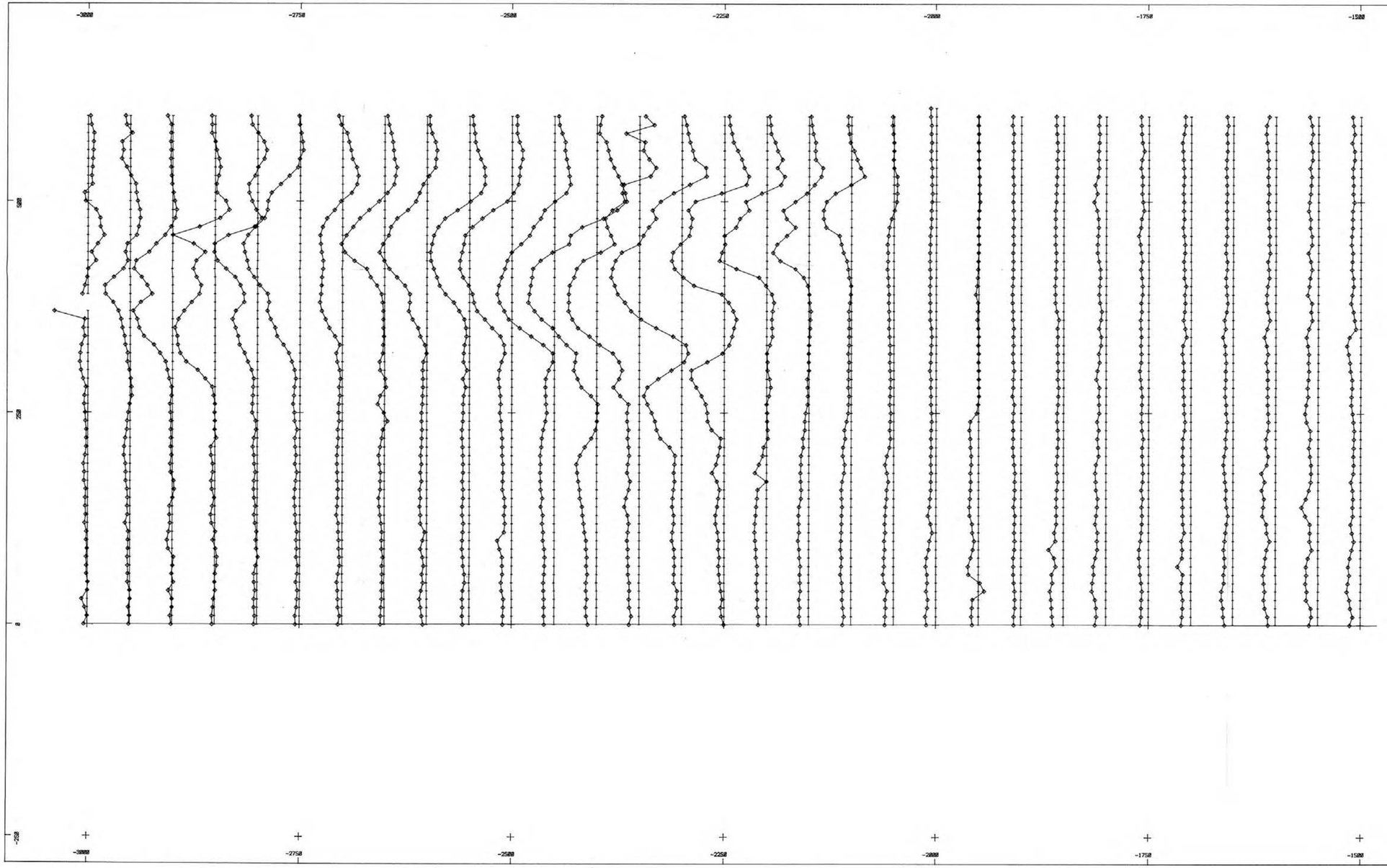
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

VLF Survey
Lines 15+20W to 0
Scale 1:2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 007



LEGEND:

Profile Scale: 1 cm = 500 nT

Base level: 57500 nT

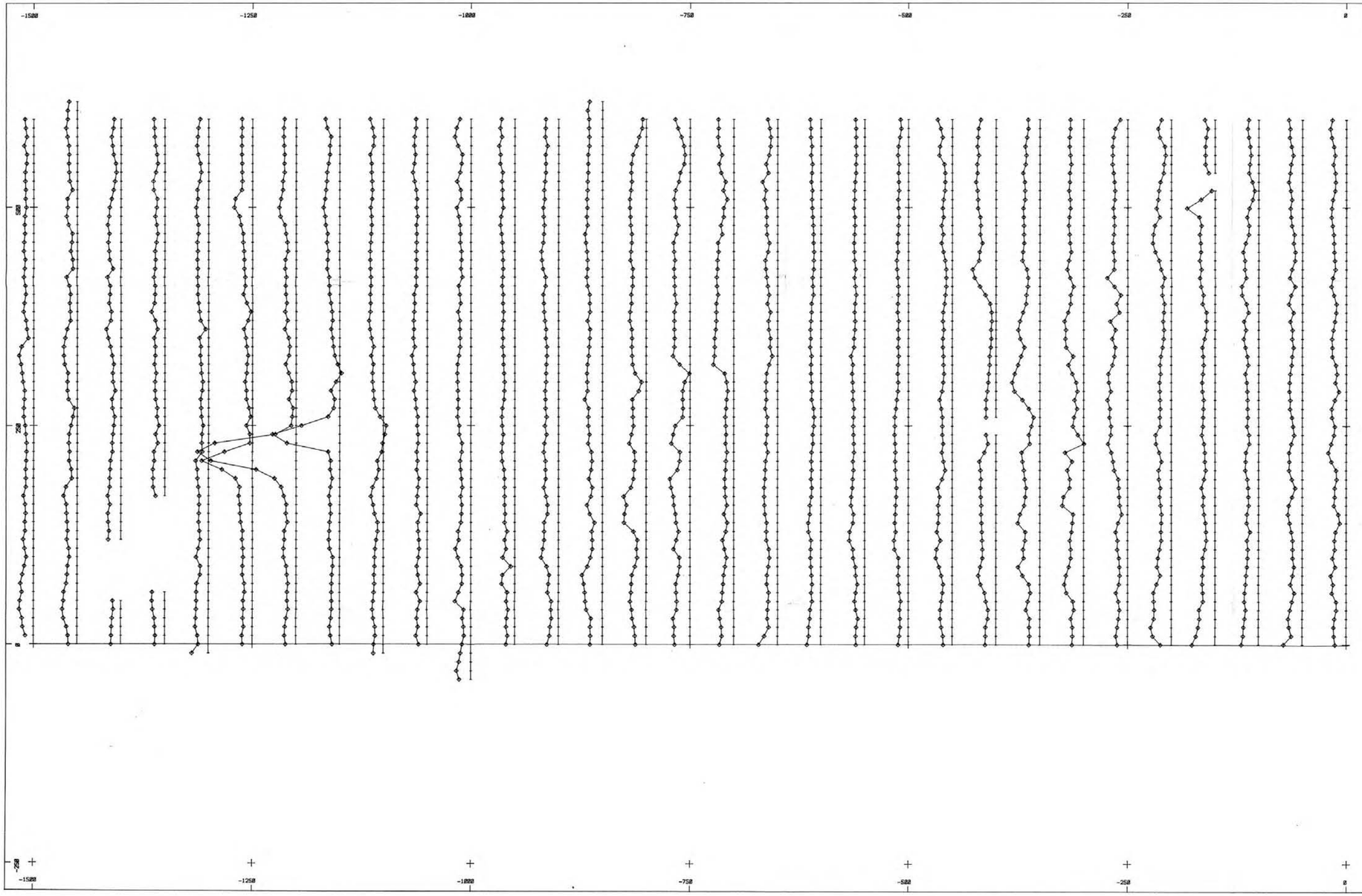
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

Magnetometer Profiles
Lines 30+00W to 15+00W
Scale 1:2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 008



LEGEND:

Profile Scale: 1 cm = 500 nT

Base level: 57500 nT

GEOLOGICAL BRANCH
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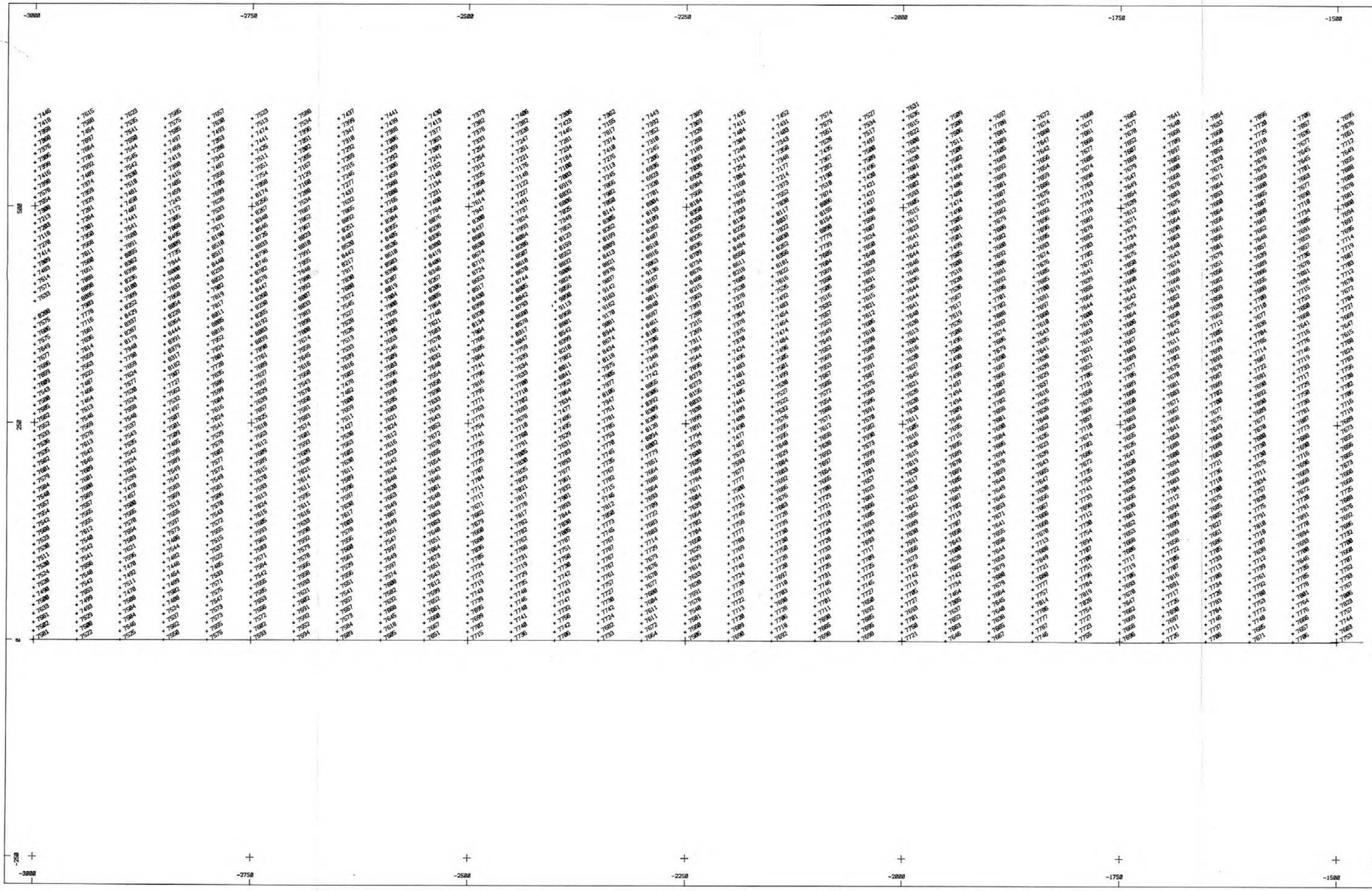
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

Magnetometer Profiles
Lines 15+00W to 0
Scale 1:2500

DRAWN BY:	JMT	DATE:	June 1987

SCOTT GEOPHYSICS LTD. Plate 009



LEGEND:

Note: 50000 nT subtracted from all readings

Equipment: IGS (Scintrex MP-4)

Diurnal monitor - 6 sec intervals

GEOLOGICAL BRANCH
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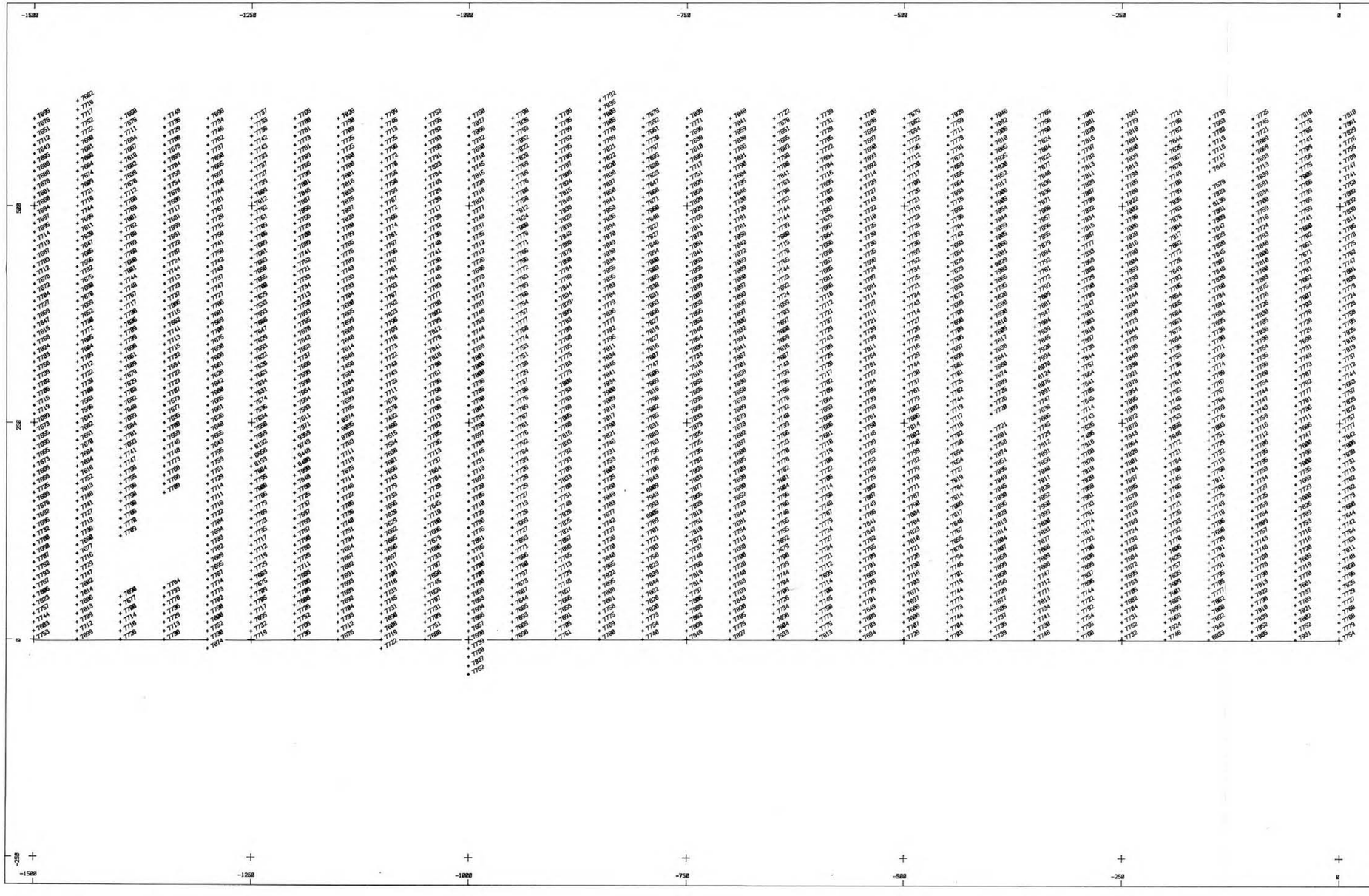
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

Magnetometer Data Posting
Lines: 30+00W to 15+00W
Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 010



LEGEND:

Note: 50000 nT subtracted
. from all readings
Equipment: IGS (Scintrex MP-4)
Diurnal monitor - 6 sec intervals

GEOLOGICAL BRANCH
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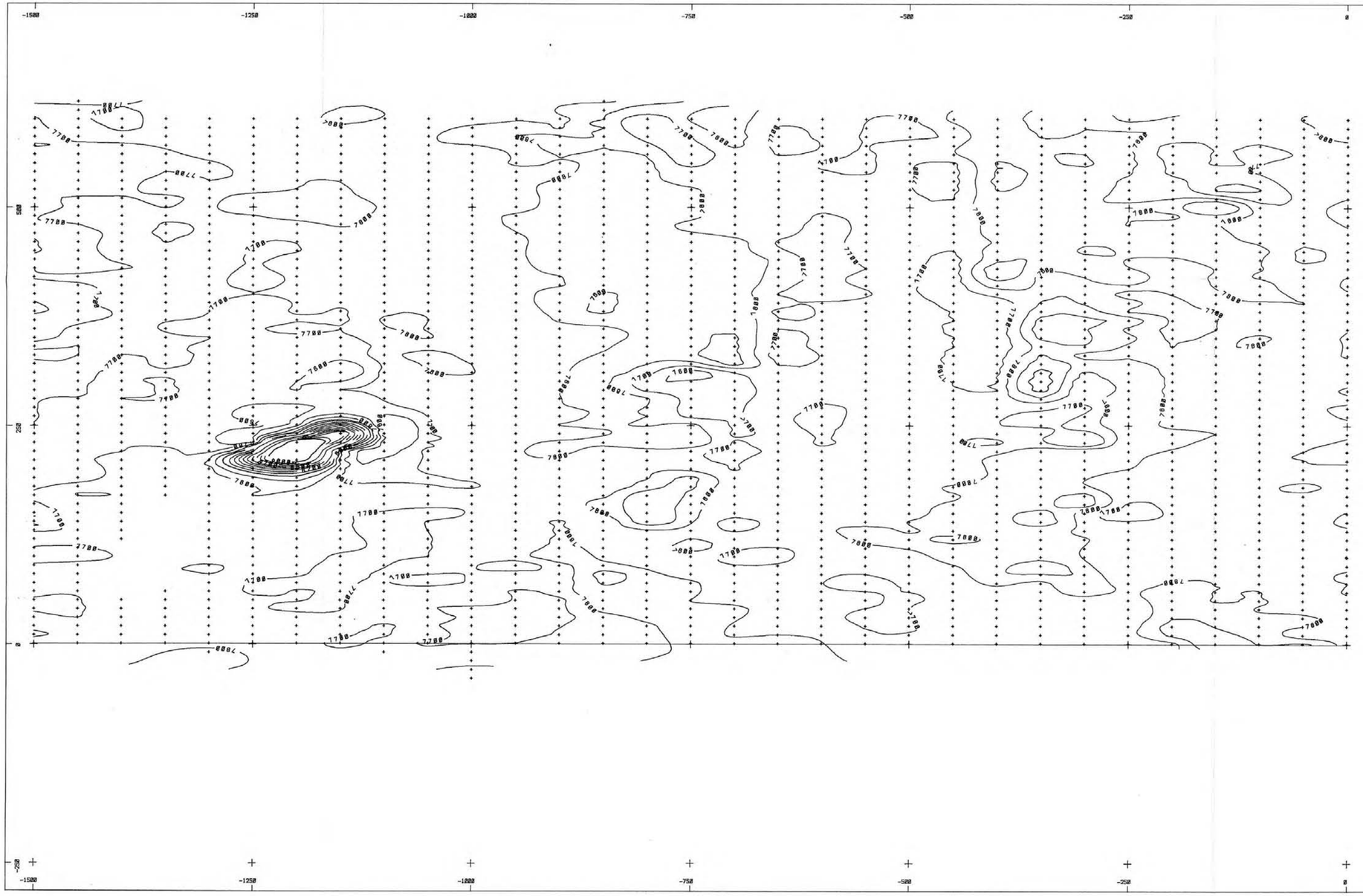
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

Magnetometer Data Posting
Lines: 15+00W to 0
Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 011



LEGEND:

Contour Interval: 100 nT

Equipment: IGS (Scintrex MP-4)

Diurnal monitor - 6 sec intervals

Data - corrected to 0.1 nT

GEOLOGICAL BRANCH
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PLACER DEVELOPMENT LIMITED

V-209 Spruce Creek

Atlin, B.C.

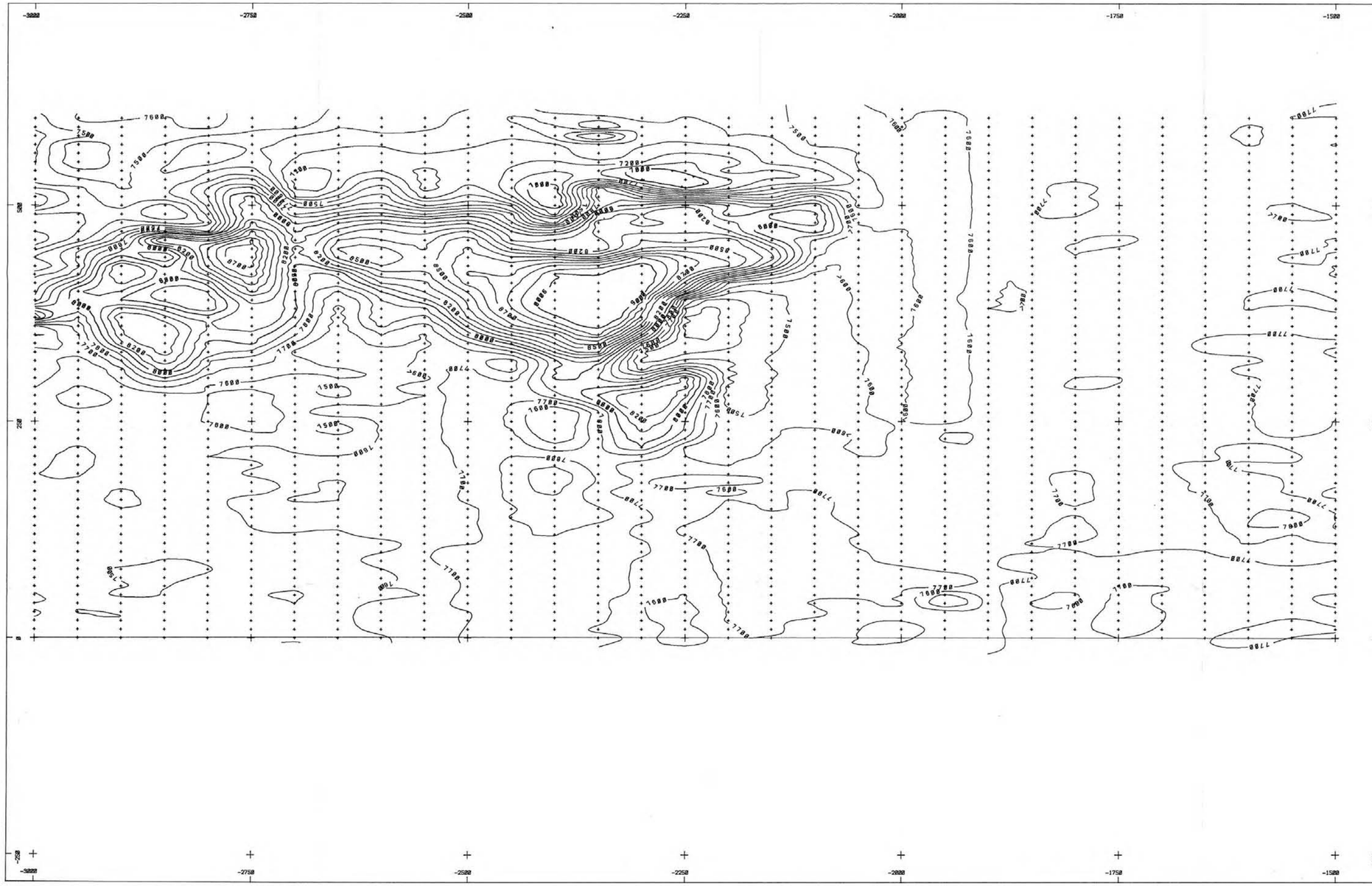
Magnetometer Contour Plan

Lines: 30+00W to 15+00W

Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 012



LEGEND:

Contour Interval: 100 nT

Equipment: IGS (Scintrex MP-4)

Diurnal monitor - 6 sec intervals

Data - corrected to 0.1 nT

GEOLOGICAL BRANCH
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PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek

Atlin, B.C.

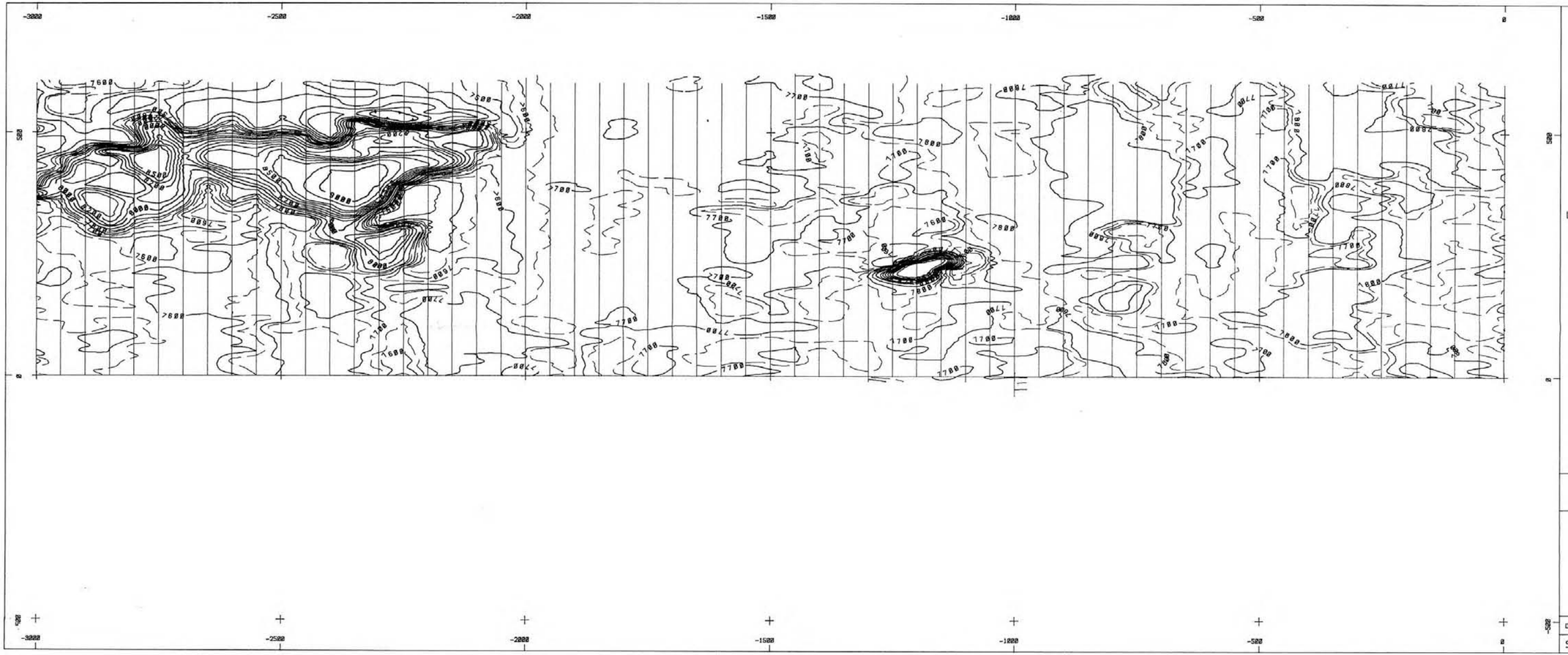
Magnetometer Contour Plan

Lines: 30+00W to 15+00W

Scale 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 013



LEGEND:

Note: 50000 nT subtracted
. from all readings
Equipment: IGS (Scintrex MP-4)
Diurnal monitor - 6 sec intervals

GEOLOGICAL BRANCH
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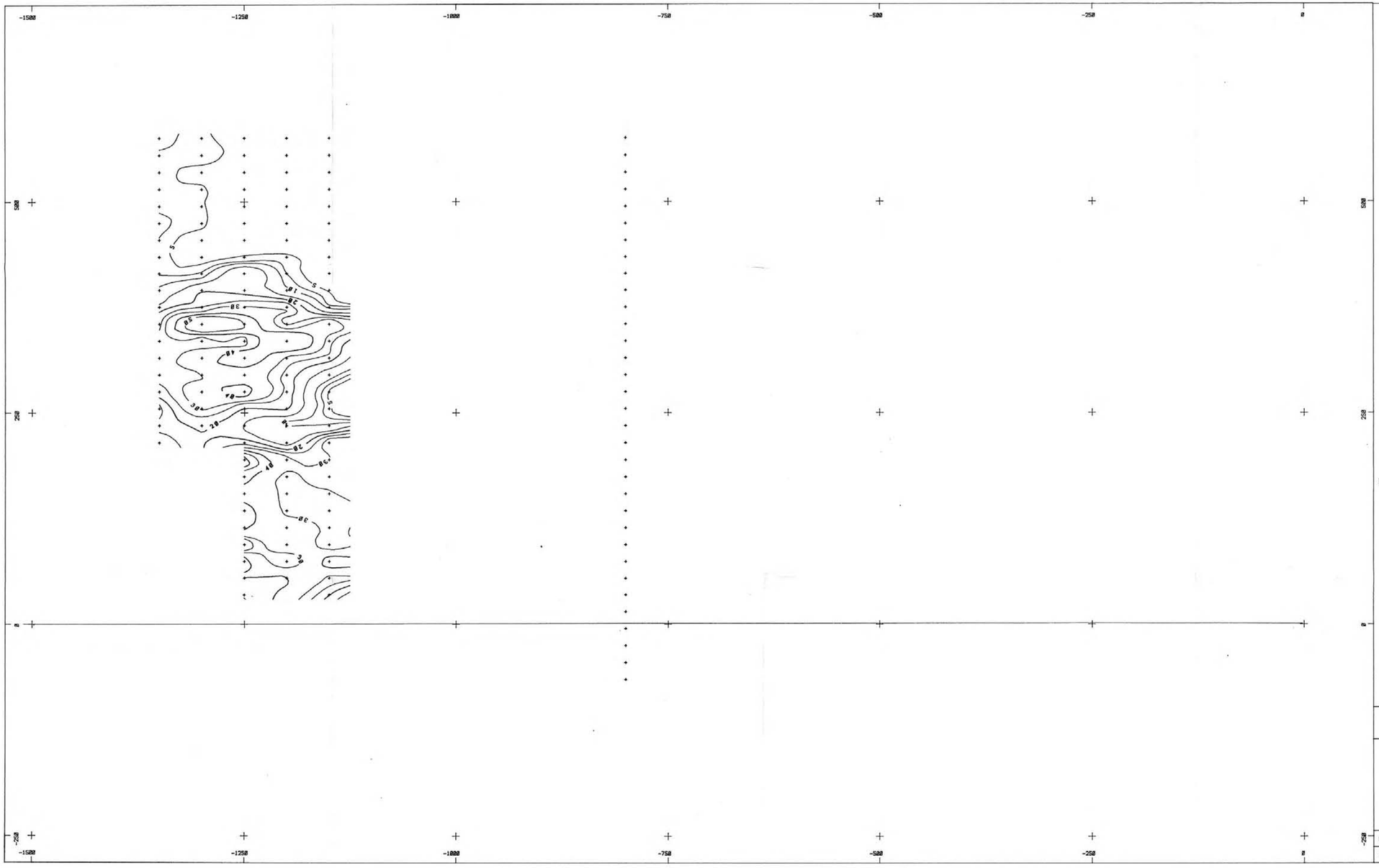
PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

Ground Magnetometer Survey
Scale 1:5000

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 014



LEGEND:

Equipment: Scintrex IPR-11

Pole-dipole Array Current: N

Array spacing 20 m

PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek

Atlin, B.C.

Induced Polarization Survey

Chargeability (msec/sec) n=2

Scale: 1:2500

DRAWN BY:	JMT	DATE:	June, 1987

SCOTT GEOPHYSICS LTD. Plate 015

LEGEND:

Equipment: Scintrex IPR-11

Pole-dipole Array Current: N

Array spacing 20 m

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PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek

Atlin, B.C.

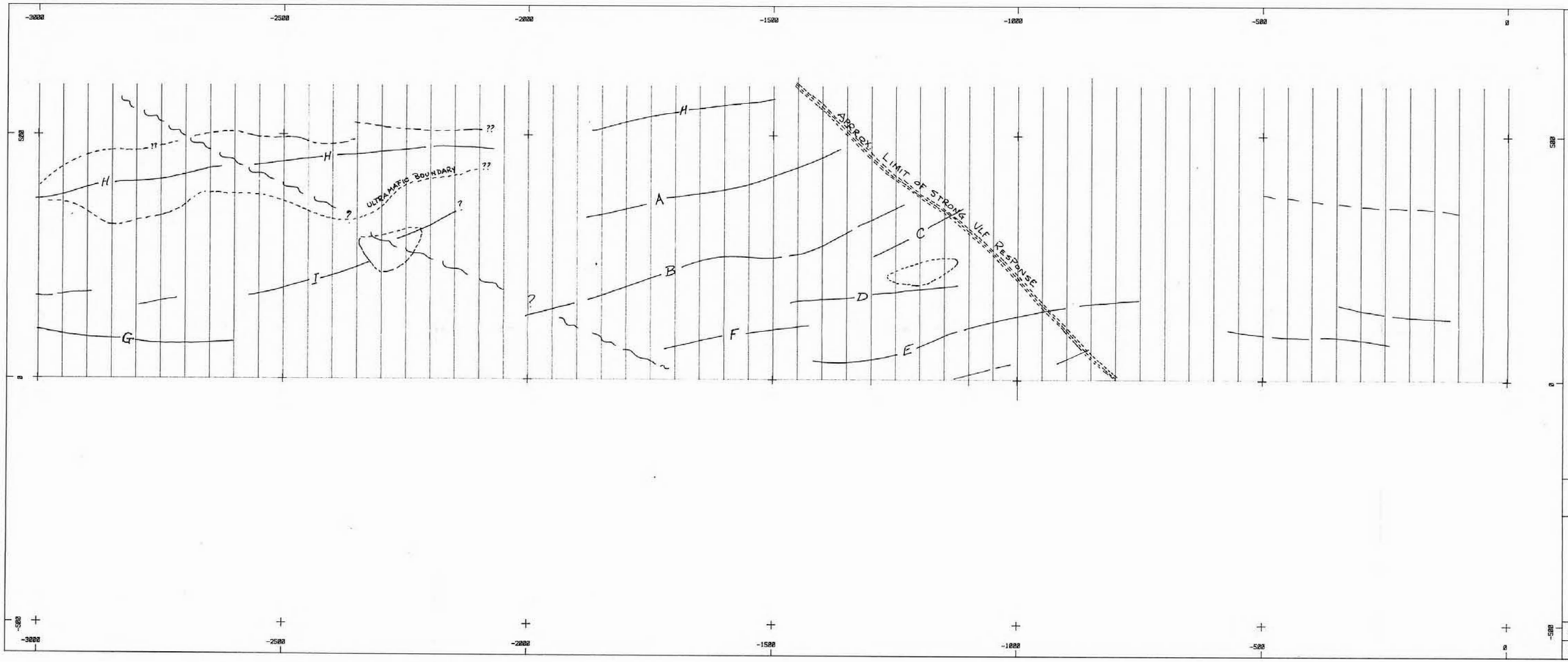
Induced Polarization Survey

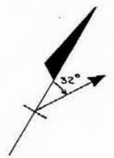
Resistivity (ohm-m) n=2

Scale 1:2500

DRAWN BY: JMT | DATE: June, 1987

SCOTT GEOPHYSICS LTD. Plate 016





LEGEND:

VLF CONDUCTORS —A—

ULTRAMAFICS --------

INFERRED FAULT ~~~

PLACER DEVELOPMENT LIMITED

V - 209 Spruce Creek
Atlin, B.C.

COMPILATION MAP

Scale: 1:5000

DRAWN BY: JMT	DATE: June, 1987

SCOTT GEOPHYSICS LTD. Plate 017

PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

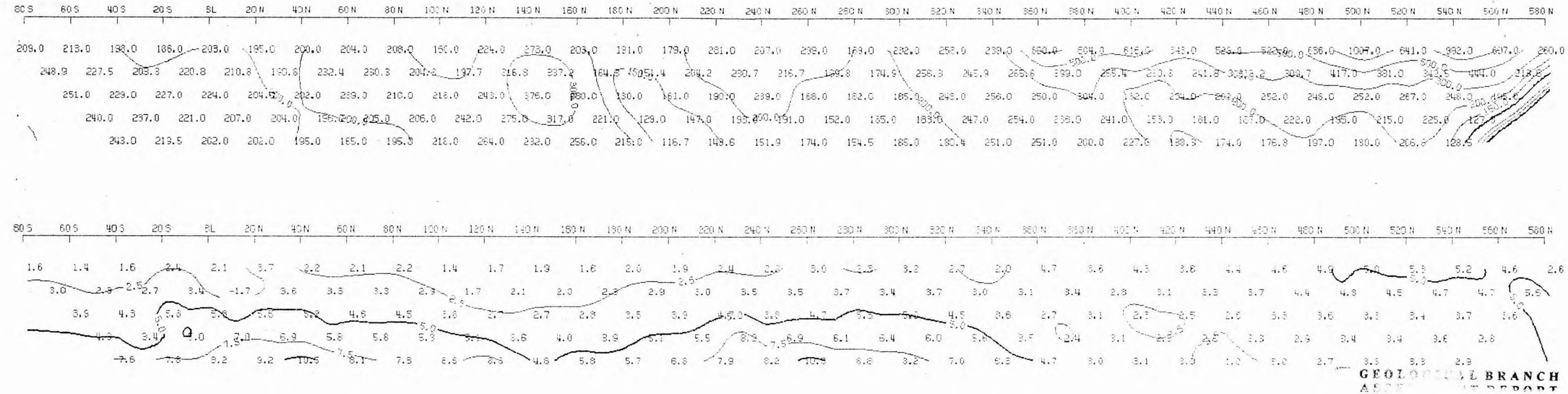
LINE NUMBER: 800

"A": 20.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000



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PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

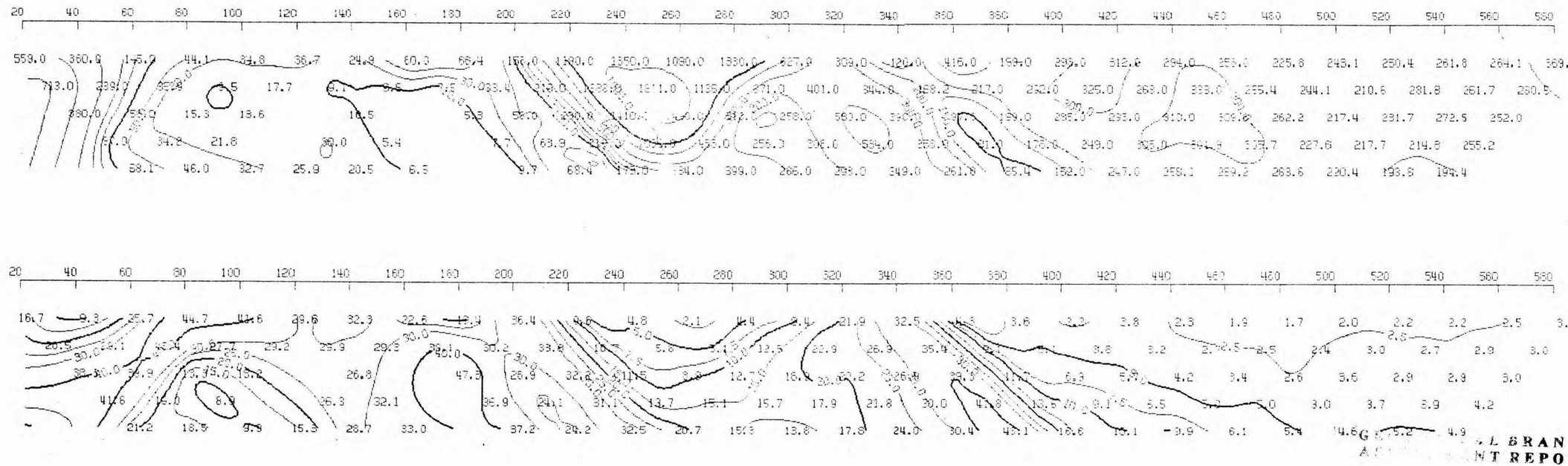
LINE NUMBER: 1150

"A": 20.0 METRES N=1 TO 5

SCINTREX IPA-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000



PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

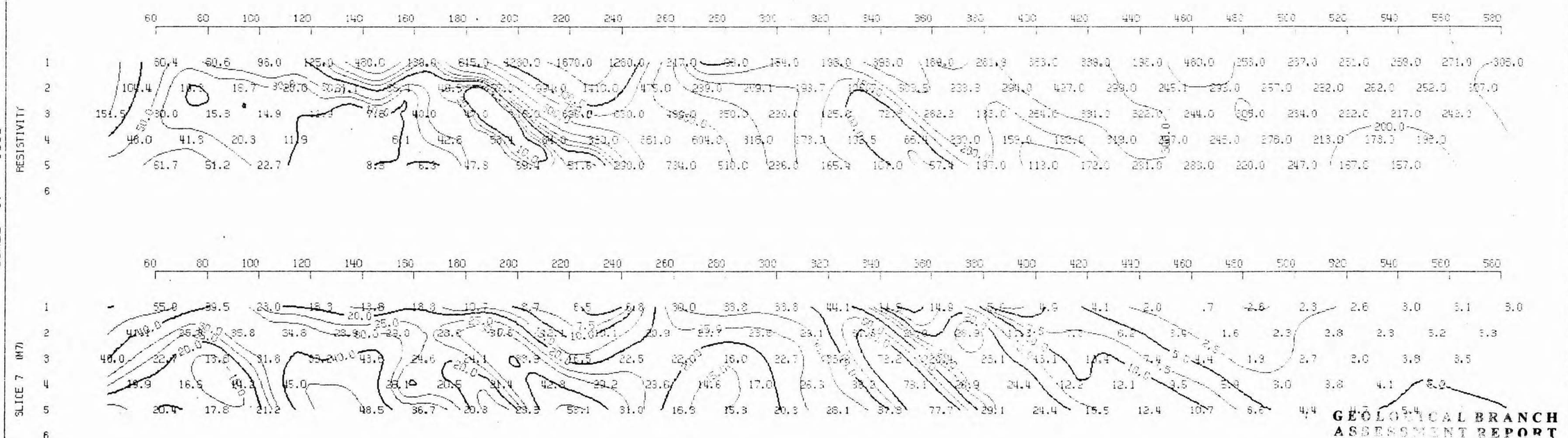
LINE NUMBER: 1200

"A": 20.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000



PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

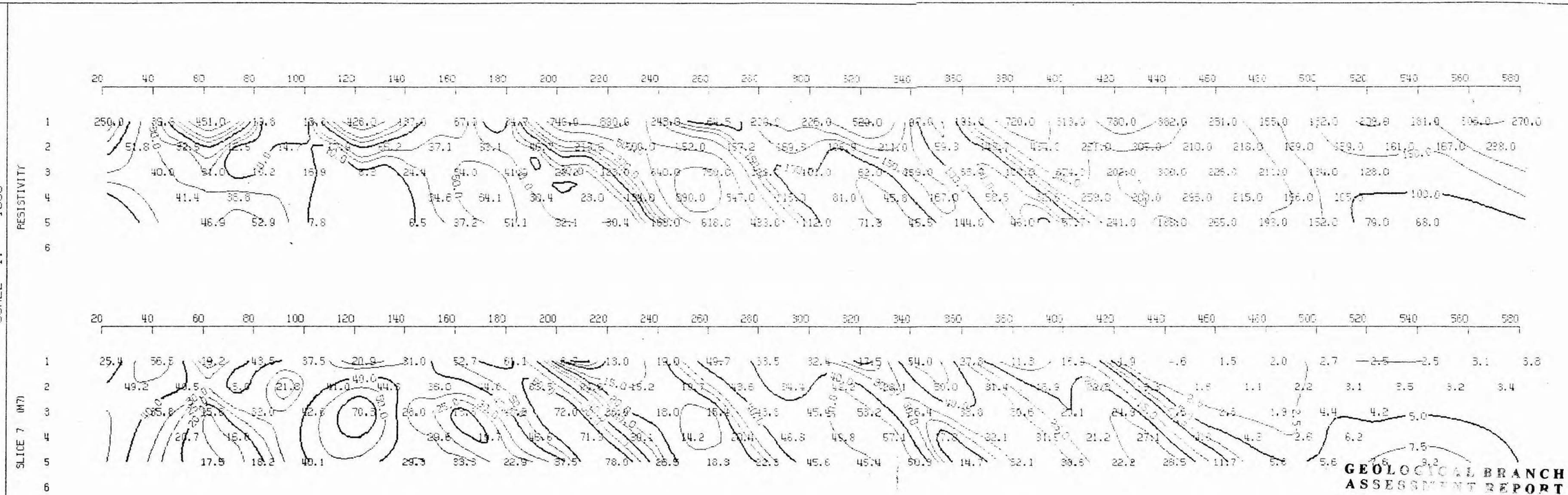
LINE NUMBER: 1250

"A": 20.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000



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PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

LINE NUMBER: 1600

"A": 20.0 METRES N-1 10 5

SCINTREX IFA-11 RECEIVER

POLE-DIPOLE ARRAY

TX PULSE TIME: 2.0 SEC

RECEIVE TIME: 2.0 SEC

SCALE 1: 1000

RESISTIVITY

SLICE 7 (M7)

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PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

LINE NUMBER: 1350

"A": 20.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000

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1350

PLACER DEVELOPMENT LTD.

SPRUCE CREEK PROJECT

LINE NUMBER: 2200

"A": 20.0 METRES N=1 TO 5

SCINTREX IPR-11 RECEIVER TX PULSE TIME: 2.0 SEC

POLE-DIPOLE ARRAY RECEIVE TIME: 2.0 SEC

SCALE 1: 1000