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REPORT ON GEOLOGICAL PROSPECTING AND GEOPHYSICAL MAGNETIC AND VLF-EM SURVEYS, BERARD PROPERTY

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REPORT ON GEOLOGICAL PROSPECTING

AND

GEOPHYSICAL MAGNETIC

AND VLF-EM SURVEYS

ON THE BERARD PROPERTY

GRAND CALUMET TOWNSHIP,
SOUTHWESTERN QUEBEC.

NTS 31F/10

June 28, 1991

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Ministère de l'Énergie et des Ressources Division des données géoscientifiques
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INTRODUCTION

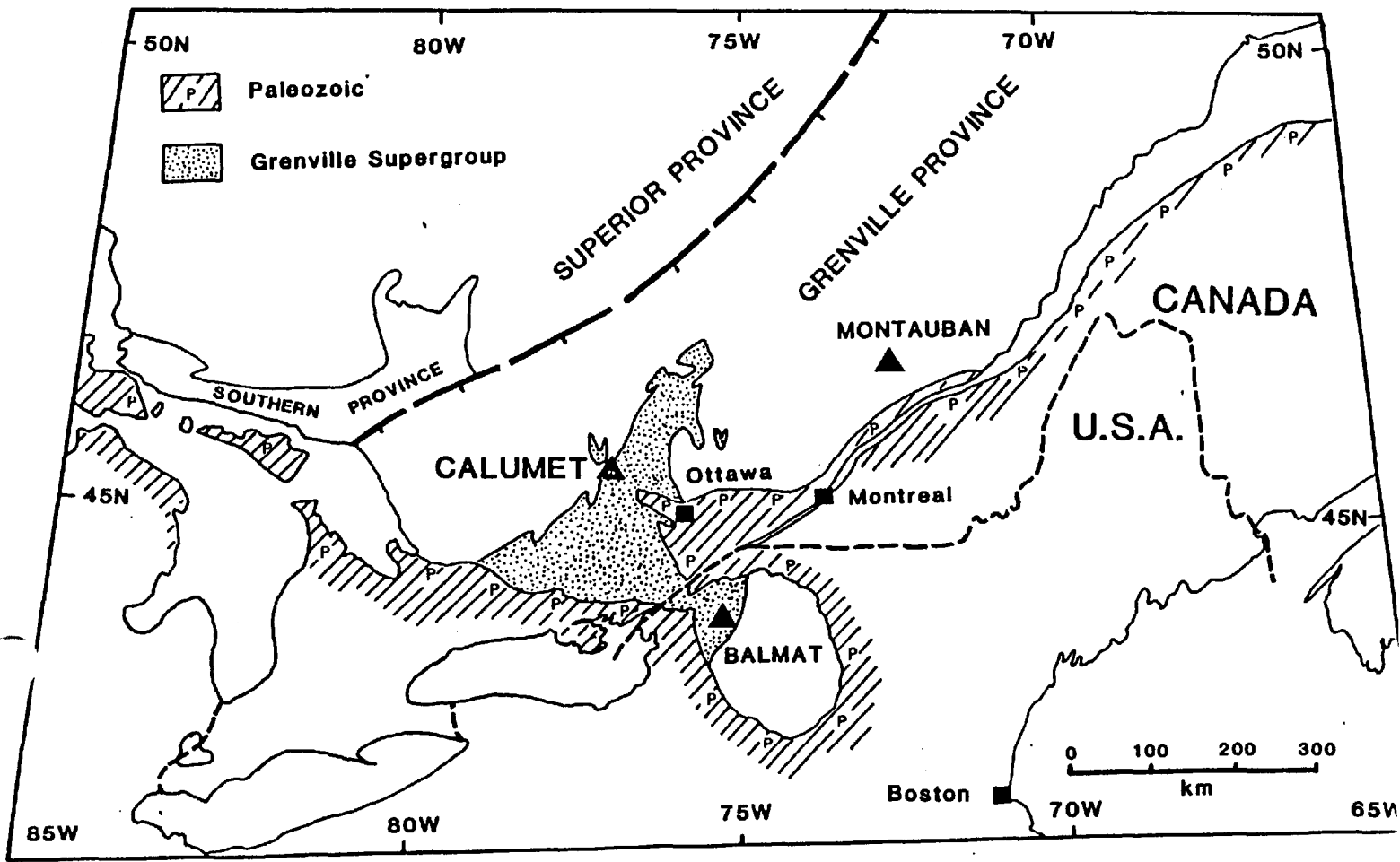
The Berard Property, southwestern Quebec encompasses an approximately 1542 hectare area directly north and northeast of the previously mined 3.8 million ton New Calumet Zn-Pb-Ag-Au massive sulphide deposit. This report details the results of geophysical surveys (magnetics and VLF) and limited geological mapping and rock sampling carried out from May 11 to June 6, 1991 on the property.

LOCATION AND ACCESS AND PHYSIOGRAPHY

The Berard Property is situated 90 km northwest of Ottawa on Grand Calumet Island, southwestern Quebec (Figure 1). The island, which lies within the Ottawa River, can be reached via Quebec highway 148 from either Ottawa or Pembroke.

The agricultural community of Grand Calumet is served by an excellent network of paved and good gravel roads. Hydro-electricity is provided by nearby generating dams and a railway services the Consolidated Stone pulp mill 8 km to the south.

Grand Calumet Island has low topographic relief with gently rolling hills. Deciduous forests prevail except in the wetter areas where coniferous forests are concentrated. Approximately 50 % of the Island is used for agricultural purposes.



THE BERARD PROPERTY
NTS 31F/10
LOCATION MAP
FIGURE 1

CLAIM STATUS

The claim group is composed of 32 contiguous claims in the surveyed township of Grand Calumet, Pontiac-Temiskaming County (Figure 2) and cover approximately 1542 hectares of land. The mining claims are wholly owned by Christopher Bishop. Landowner (surface rights) deeds of ownership entitle them to a 5 % net profit interest of the base metal production.

Claim number, due date and corresponding range and lot number are detailed below. The claims will be valid until September 4, 1993 after acceptance of this report for assessment purposes.

<u>RANGE</u>	<u>LOT</u>	<u>CLAIM NUMBER</u>	<u>DUE DATE</u>	<u>RANGE</u>	<u>LOT</u>	<u>CLAIM NUMBER</u>	<u>DUE DATE</u>
VIII	5	5029084	91/09/04	II	17	5029101	91/09/04
VIII	4	5029085	91/09/04	II	18	5029102	91/09/04
VIII	3	5029086	91/09/04	II	19	5029103	91/09/04
VIII	2	5029087	91/09/04	II	20	5029104	91/09/04
VIII	1	5029088	91/09/04	II	21	5029105	91/09/04
VII	4	5029089	91/09/04	II	22	5029106	91/09/04
VII	3	5029090	91/09/04	II	23	5029107	91/09/04
VII	2	5029091	91/09/04	II	24	5029108	91/09/04
VII	1	5029092	91/09/04	II	25,26	5029109	91/09/04
III	22,23	5029093	91/09/04	I	19	5029112	91/09/04
VI	4	5029094	91/09/04	I	20	5029113	91/09/04
VI	3	5029095	91/09/04	I	21	5029114	91/09/04
VI	2	5029096	91/09/04	I	22	5029115	91/09/04
VI	1	5029097	91/09/04	I	23	5029116	91/09/04
V	3	5029098	91/09/04	I	24	5029117	91/09/04
V	2	5029099	91/09/04				
V	1	5029100	91/09/04				

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EXPLORATION HISTORY

Zinc, lead, silver, and gold mineralization was discovered on Calumet Island around 1893. After several false starts, production finally started at the New Calumet Mines Ltd. deposit in 1943. A total of 3.8 million tons of ore was milled averaging 5.8 % zinc, 1.6 % lead, 2.16 opt silver, and 0.013 opt gold over the 26 year life of the mine.

Numerous pits and trenches around the Island probably date from the 1930's to the 1950's. In 1950 4 or 5 holes were drilled around the Lasalle showing (RII, Lot 18), where a fifty foot shaft sunk circa 1910 is present in zinc and lead mineralization.

Numerous individuals and companies carried out uranium exploration in the 1950's.

Kerr-Addison and Preussag carried out exploration for base metals and uranium in the sixties and early seventies, but this was mainly concentrated to the south of the mine (base metals) and over the north half of the Island (uranium).

In 1986, Lacana Mining Corporation (now Corona Corporation) optioned the Calumet property to re-evaluate the deposit for its gold potential. A total of 44 diamond drill holes and 24,570 feet of core were drilled. An auriferous horizon was discovered underlying the base metal horizon. The horizon is estimated to contain possible reserves of 150,000 tons grading 0.15 opt Au.

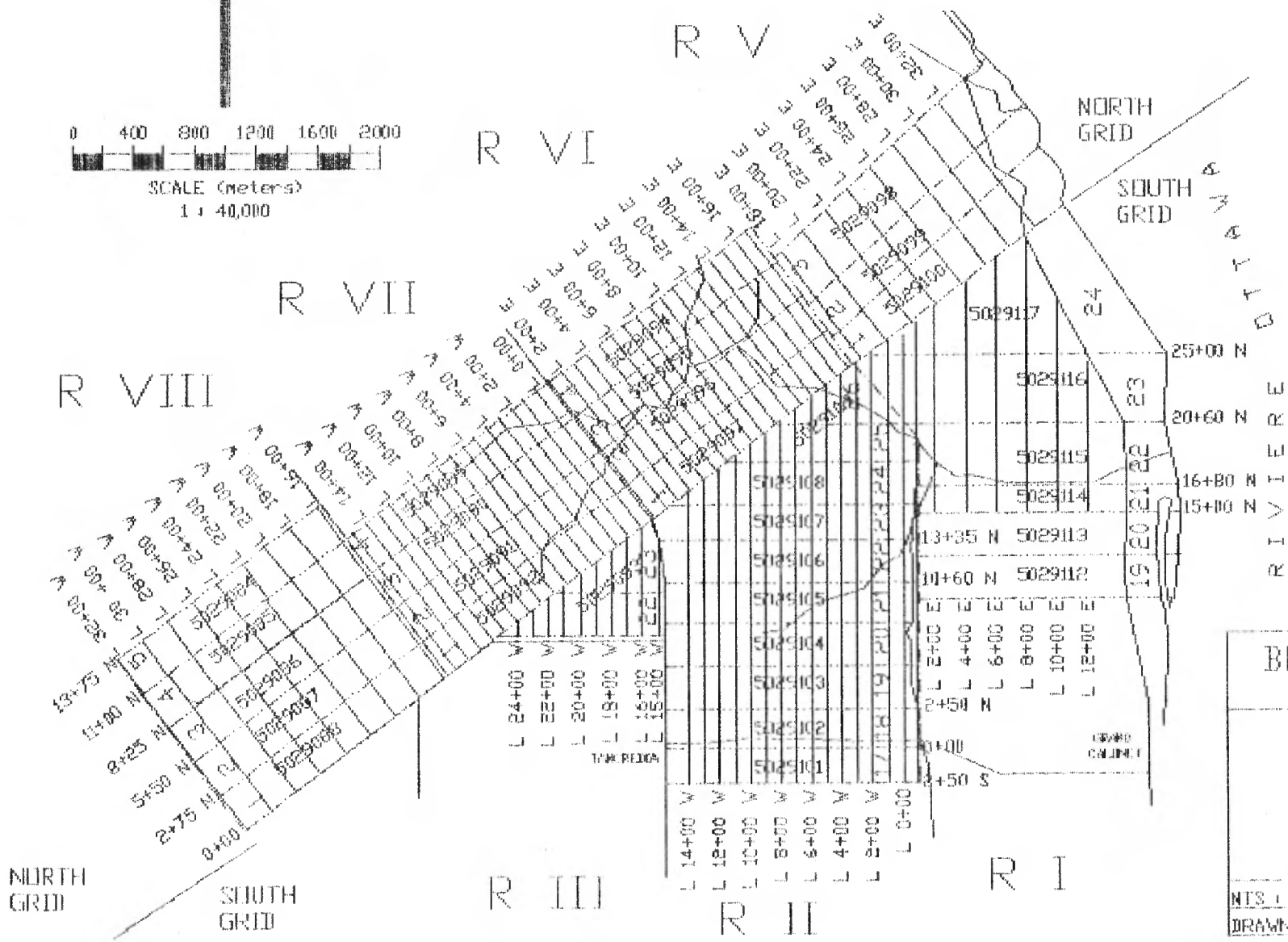
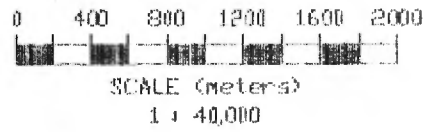
Corona carried out limited prospecting on areas peripheral to the mine. To the north where the Berard property is now situated, several bands of alteration and mineralization similar to that of the New Calumet deposit were found. Sphalerite, galena, anomalous zinc, lead and silver values, siliceous, and carbonate alteration, and indicator minerals such as cordierite and coarse biotite-phlogopite were observed locally in the area of transition between amphibolite and biotite gneiss.

FIELD WORK MAY/JUNE 1991

Field work consisted grid emplacement, geophysical magnetic and VLF-EM surveys and limited mapping and prospecting. It was carried out between May 11 and June 6, 1991. Chris Bishop, one of the authors of this report, supervised the work.

The Berard property encompasses numerous farms as well as several private dwellings. For this reason a grid was established that least affected the landowners. The slope corrected grid was flagged and measured using compasses and hipchains by a contractor, Derek Wolvin of Senneville, Quebec. Lines were put in at 100 m intervals on Ranges II, VI and VII and at 200 m intervals on Ranges I, V and VIII. Control (base and tie lines) was provided by walking fences coincident with the long side of the lot lines, this worked very well. Stations were marked every 25 m. Approximately 103 km of line and 39 km of control fence lines was flagged. Two grids were put in coinciding with the correlating Range and Lot orientation (Figure 3). The south grid (Ranges I, II and III) had lines running true north and the north grid (Ranges V, VI, VII and VIII) had lines running 323 degrees azimuth.

The magnetic and VLF-EM surveys were conducted using an EDA OMNI-PLUS system, an instrument recording both sets of data. An EDA base station was set up on line 1+50 E 1+00 N (south grid) to correct diurnal variations in the magnetic field. Readings were taken at 25 m intervals (86.825 km mag, 82.650 km VLF) except where mag highs were evident when a higher resolution of 10 or 12.5 m intervals was instituted (2.735 km mag and VLF). Due to the magnetic variation in Range III, Lots 23 and 23, a few areas were surveyed at 1 m intervals. VLF-EM data was collected using the Cutler, Maine station at 25 m intervals. Annapolis, Maryland was to be used as a second (perpendicular) VLF transmitter, however the station was not transmitting on a regular bases during the time of the survey and no data was recorded.



BERARD PROPERTY	
GRAND CALUMET TWP., QUEBEC	
SKETCH MAP OF NORTH AND SOUTH GRIDS	
NTS : 31 E/10	DATE : 91/06/27
DRAWN BY : C.B.	FIGURE 3

REGIONAL GEOLOGY

The regional geology has been compiled by Baer, Poole, and Sanford (1971) on GSC map 1334A.

Grand Calumet lies near the western limit of the 1.3 - 1.1 Ga Grenville Supergroup. These supracrustal rocks and the relics of several earlier orogenies (e.g. Aphebian aged Ontario Gneissic Belt to the north) form the Grenville Structural Province of the Canadian Shield, which was affected by predominately high grade metamorphism during the Grenville event between 1,100 - 950 Ma.

Sangster and Bourne (1982) give a general description of the southwestern Grenville Supergroup (Central Metasedimentary Belt) and a compilation of sulphide mineralization occurrences. Rocks of the southwestern Grenville Supergroup range in metamorphism from upper greenschist to granulite but are most commonly at the amphibolite grade. They are believed to be comprised of a thick basal series of mafic volcanics overlain by a thick series of intercalated marbles and arkosic metasediments. The Grenville Supergroup is cut by at least two intrusive suites and is overlain by the younger Flinton Group sediments, which in turn have been metamorphosed. The volcano-sedimentary succession (Grenville Supergroup) formed either in an intercratonic rift or in and on the margins of an ocean of unknown extent (Moore, 1986).

Grand Calumet Island has been mapped by Ells (1907), Goransen (1925), and Osborne (1944) (Figure 4). It is underlain by amphibolites and biotite gneisses on its' southern half and marbles on its' northern half and western shore. The biotite gneiss occurs as an approximately 0.5 to 2 km band between the underlying marble and the overlying amphibolite. Small granitic stocks on the southern part of the Island are probably related to a large granitic mass outcropping east of the Island. A gabbroic intrusive extends from the southeastern edge of the Island onto the mainland and two, unmetamorphosed, east-west trending diabase dikes cut the gneisses on the west side of the Island.

Complex deformational events of the Grenville Orogeny produced structural styles which preclude concepts of younging on the property scale and all but the most stratigraphic assessment. Using generally accepted stratigraphic concepts (Bourne and Sangster (1982) and Moore (1986)), the units probably represent an overturned anticline with a fold axis plunging 20 to 30 degrees to the east-southeast. Geochemical studies by P. Williams (1987, personal communication) indicate that the amphibolites in the mine area are metamorphic products of strongly differentiated basic igneous rocks, probably not intrusive. Leucocratic biotite gneisses stratigraphically overlying the amphibolites could have a arenitic sediment protolith, as the environment gradually changed to a more sedentary one necessary for the formation of an overlying marble.

PAGE(S) 9

MICROFILMÉE(S) SUR 35 MM

Calumet Island has one of several Zn-(Pb-Ag-Au) deposits exploited in the southern part of the Grenville Province (e.g. Balmat-Edwards, Montauban). The complexity of the rocks on the Island has thus far prevented any conclusive determination of the origin of the Zn-Pb-Ag-Au mineralization. Pre 1970 work leaned toward skarn type mineralization where a band of marble acted as a precipitation barrier for base metal rich fluids (Moss, 1991, personal communication). Gauthier (1987, personal communication) favours the view that massive sulphide mineralization is syngenetic or diagenetic/epigenetic and originated at the end of basic volcanism through syn-sedimentary faults occurring in conjunction with graben type structure common to this part of the Grenville. Williams (1987, personal communication) proposes that the New Calumet mineralization may be a polyphase deposit in which premetamorphic base metal sulphide concentrations created a mechanical and chemical locus for syn-late metamorphic strain, alteration, and gold concentration.

PROPERTY GEOLOGY

The Berard Property was prospected and mapped in a limited fashion for 7 days (Figure 5), mainly to prove that the 1944 map by Osborne is incorrect and that alteration and mineralization similar to that associated with the New Calumet Mine deposit is present. The Property will be mapped in detail during July and August, 1991.

The Berard Property starts 2 km north of the NCM deposit and extends to the east shore of the Island. Osborne's (1944) map (Figure 4) shows that this area is underlain by "migmatized" hornblende gneiss and amphibolite and bounded to the north by marble. Observations during field traverses indicate that the rock unit mapped as "migmatized" hornblende gneiss is incorrect, rather this represents a sequence of leucocratic biotite gneiss and amphibolite rocks similar to that which host the NCM deposit. The property is underlain by an overturned sequence of, from oldest to youngest, hornblende gneiss, leucocratic biotite gneiss, and marble. Several small stocks of granitic gneiss intrude the hornblende and biotite gneisses. The marble is present outside and bordering the western property boundary and follows the northern edge of the property. In the Berard Property, Ranges VII and VIII are underlain by leucocratic biotite gneiss >> hornblende gneiss while Range V and VI are underlain by hornblende gneiss >> leucocratic biotite gneiss. In Range II, Lots 23 to 26 encompasses mainly leucocratic biotite gneiss, Lots 17 to 22 are underlain largely by amphibolites. Range I, Lots 19 to 24 are underlain by intercalated amphibolites and biotite gneisses.

The hornblende gneiss is dark green, fine to coarse grained and massive to poorly foliated. Hornblende occurs in concentrations of 15 to 50 % within a matrix of feldspars >> quartz. Biotite is common, probably due to retrograde alteration of hornblende. Hornblende prophyroblasts are also present and magnetite is a common accessory mineral.

The leucocratic biotite gneiss is grey to white, fine to medium grained, moderately foliated, and averages between 5 to 15 % biotite concentrated in <1 to 5 cm streaks. The leucocratic portion is composed of plagioclase >>quartz. Sillimanite is a common accessory mineral and magnetite is a rare feature. Concordant quartz rich bands are found locally.

The marble is white, coarse grained, and massive. It grades from a dolomitic composition near the biotite gneiss contact to a calcitic composition away from the contact. Calc-silicate minerals, pyrite, graphite and rarely sphalerite found near the contact with gneiss reflects local metasomatism.

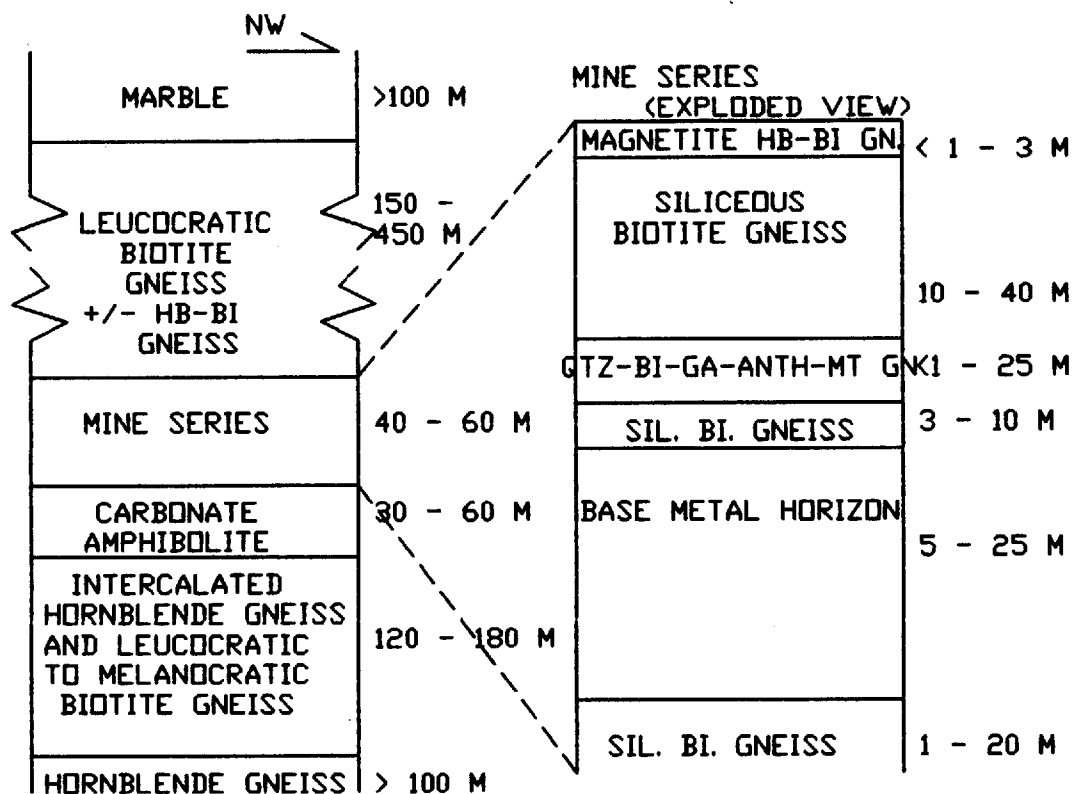
Granitic rocks are mottled pink, white and green, medium to coarse grained and moderately foliated. Pegmatitic dikes probably related to the granitic intrusions crosscut all rock types.

General trends of contacts and internal fabrics on the property vary from northwesterly on the west side to an east-west in the central portion and to northerly on the east side of the property. This may represent the nose and east limb of the overturned anticline. Actual measurements within each of these areas vary considerable due to a complex deformation history involving a minimum of two superimposed structural events. The fabrics generally dip moderately to steeply to the south and east.

MINERALIZATION AND ALTERATION

Several areas of base metal mineralization and associated alteration are present on the Berard Property. To put these into context a brief summary of the New Calumet deposit will precede the description of the Berard Property showings.

The NCM Zn-Pb-Ag-Au mineralization occurs in the siliceous transition area between amphibolite and leucocratic biotite gneiss. A carbonate-scapolite-biotite altered amphibolite directly overlies the main sulphide mineralization. Sphalerite > galena > pyrrhotite > pyrite > chalcopyrite mineralization is associated with a thin discontinuous band of marble and calc-magnesian silicate rocks. Silicification and carbonitization of the host rocks are common and alteration minerals include cordierite, anthophyllite, sillimanite, actinolite-tremolite, coarse biotite-phlogopite, garnets and magnetite. A stratigraphic section is outlined on the next page.



SCHEMATIC LITHOLOGIC SEQUENCE - NCM DEPOSIT

In the mine series, two distinct units underlie the main base metal horizon. The first, occurring directly beneath the sulphide zone, is an auriferous quartz-rich garnet-biotite-orthoamphibole-magnetite gneiss with accessory sillimanite, cordierite, gahnite, and sulphides (pyrite>pyrrhotite). Gold concentrations range from 150 ppb to a best reported intersection of 0.169 opt Au over 55 ft (Bishop, 1987). This horizon only underlies the southeastern half of the NCM deposit.

The second distinctive horizon, occurring at the base of the mine series, is a 1 - 5 m thick magnetite rich fine grained hornblende gneiss.

Prospecting within the Berard Property has uncovered several areas with mineralization and alteration similar in nature to that associated with the NCM deposit (Figure 5). Rock sample assays are presented on Figure 5 and in Appendix I.

The 50 ft deep ca.1910 Lasalle shaft, located on the west side of Range II Lot 18 (Figure 5), is located within siliceous and carbonate altered hornblende gneiss. Coarse biotite-phlogopite bands were observed in several outcrops peripheral to the shaft. Of the 2 samples taken from the waste dump, the best (#089279) returned an assay of 5.22 % Zn, 4.5 % Pb, 1.70 opt Ag, 750 ppb Au, and 670 ppm Cu. No visible mineralization was found in outcrop although a sample of a biotite-phlogopite band (#089280) from outcrop assayed 70,700 ppm Zn, 8370 ppm Pb, 387 ppm Ag, 630 ppb Au, and 4830 ppm Cu.

The Cordierite Zone, located on the west side of Range II Lot 23, is a rusty weathering quartz-cordierite-sericite schist hosted within leucocratic biotite gneiss. Multiple <1 - 3 m bands of this rock trending easterly and dipping steeply to the south occur in an 100 by 50 m outcrop . Of the six samples taken from this zone the best (#089287) returned an assay of 1890 ppm Zn, 3780 ppm Pb, 2.03 opt Ag, 1050 ppb Au, and 949 ppm Cu.

Further prospecting discovered many other areas of bands of quartz-sericite/biotite +/- cordierite schist, including the west part of Range II Lot 21 (trending southeast), Range III Lots 22, 23 (trending easterly), Range VII Lot 2 (trending easterly), and Range VIII Lots 4,5 (trending northwest and easterly). These discrete horizons could be indicators of a mineralized horizon, as similar rock occurs within the NCM deposit and along strike from the main sulphide mineralization.

GEOPHYSICAL SURVEYS

FIELD PROCEDURES

The EDA magnetometer uses the proton precession technique to measure the total magnetic field and is accurate to 1 gamma (nano tesla). As well as measuring the total magnetic field a second sensor mounted below the first sensor may be used to measure the vertical gradient or change in total magnetic field over a vertical distance of 1/2 meter. Due to the substantial cultural noise expected, the staff length used to hold the magnetic-gradient sensors was elevated to the maximum at 2.5 m (4 sections). At this extreme height the effect of small iron objects will be minimized to 1/4 the effect at a standard sensor height. The base station time interval was set at 30 seconds. As the diurnal activity was quite low in May, this time was felt to be sufficient, and allowed for over 12 hours of data of uninterrupted operation (battery and memory considerations). The cycling time was increased to 10 seconds in early June as the effects of a magnetic storm became evident.

The EDA VLF receiver may be operated in a variety of modes. In this survey the standard mode was chosen. The parameters measured were the total VLF field strength (TFVLF), the vertical in phase (VIP) and the vertical out of phase (Quadrature). The TFVLF was not corrected for amplitude variations in primary field strength but may be used to infer resistivity structure none the less. The abundance of hydro-electric lines and old and new fence lines encountered were noted in a field book to aid in the VLF interpretation. Care was taken to walk off line to avoid being within 4 meters of a fence or other cultural occurrences which could effect the measured signals.

In order to verify the proper operation of the equipment several test procedures were adopted.

1) A series of test points were established near the base station. Measurements were made at the beginning and ending of each field day. Any variation in the values recorded (except for VLF field strength) would indicate a malfunction of the equipment. Throughout the survey the errors were found to be insignificant and well within the tolerance of the equipment.

2) Periodically a line was re-surveyed to confirm that geographic control was repeatable. These tests indicated that although the values could not be reproduced exactly, the trends were identical.

3) Upon identifying a field measurement that was suspect, several measurements were made in the local area to verify the source was not cultural in nature. These several measurements

were often recorded at the same station in order to acquire an average field value.

GEOPHYSICAL RESULTS

Uncorrected and corrected Magnetic and VLF data is presented in table form in Appendix II and in plan form in Figures 6 (magnetic profiles), 7 (magnetic contours), 8 (VLF profiles), and 9 (VLF conductor summary). The magnetic field was normalized to a base level of 57,000 gammas.

MAGNETIC RESULTS

The field varied from a low of less than -1,000 to 3,000 above the elected base reading of 57,000 gammas, and at times was found to vary by over 1000 gammas within 25 meters. The average property variation ranged between -200 and 200 gammas reflecting the erratic magnetic nature of the underlying rock. There are several linear magnetic features worth noting, detailed on the following page and evident on Figures 6 and 7. North and south grid co-ordinates are denoted NG and SG respectively.

NG L 28 E to SG L 8 E, 27+00 N - a moderate/high mag linear (600 - 1200 gammas) trending southeast.

NG L 0+00, 5+50 N to SG L 8 E, 22+00 N - this moderate linear (600 - 1000 gammas) trends easterly to L 16 E, 0+00 and then curves to the east-south east.

NG between L 14 and 18 W, 2+75 to 8+50 N - broad donut shaped mag high (200 - 1400 gammas), trend inconclusive.

Range III, lots 22, 23 - area of very high magnetic variability (-1600 - +2400 gammas) from which the following linear magnetic features extend :

- west trending weak mag high to NG L 30 W, 0+50 N;

- strong east-northeast trending mag high to at least SG L 2 , 18+00 N where eastern extent may be masked by deep overburden. The eastern expression of this anomaly may resurface at SG L 4 E, 21+00 N;

- strong southeast trending mag linear to SG L 2 W, 2+50 S;

and - moderate to strong south-southeast linear to SG L 10 W, 2+25 S.

VLF RESULTS

Grounded fences, electric fences and transmission lines hindered the VLF survey process. By noting these occurrences and taking care to locate stations to avoid their effects, it was possible to identify and interpret the results. Figure 9 shows the main anomalies, labelled A through X. VLF anomalies due solely to cultural occurrences are not noted on Figure 9.

Most of the VLF anomalies are due to 2-dimensional resistivity contrasts and may be associated to breaks between deep overburden and poorly conductive outcrop exposures.

The following is a summary of the relevant VLF anomalies.

Anomaly A Conductor: Present at SG line 10, 11, 13 and 14 W at stations 1+50 S. Signal contamination due to transmission lines at L 0 S and by fence at 2+75 S.

Anomaly B Conductor: Striking W-NW from SG Line 4W at 3+70 N to line 10 W at 5+00 N. Signal contaminated by fence at 5+25 N running east-west.

Anomaly C Conductor: Striking W-NW from SG line 1E to line 0 at station 4+50 - 5+50 N. Could be extension of anomaly B.

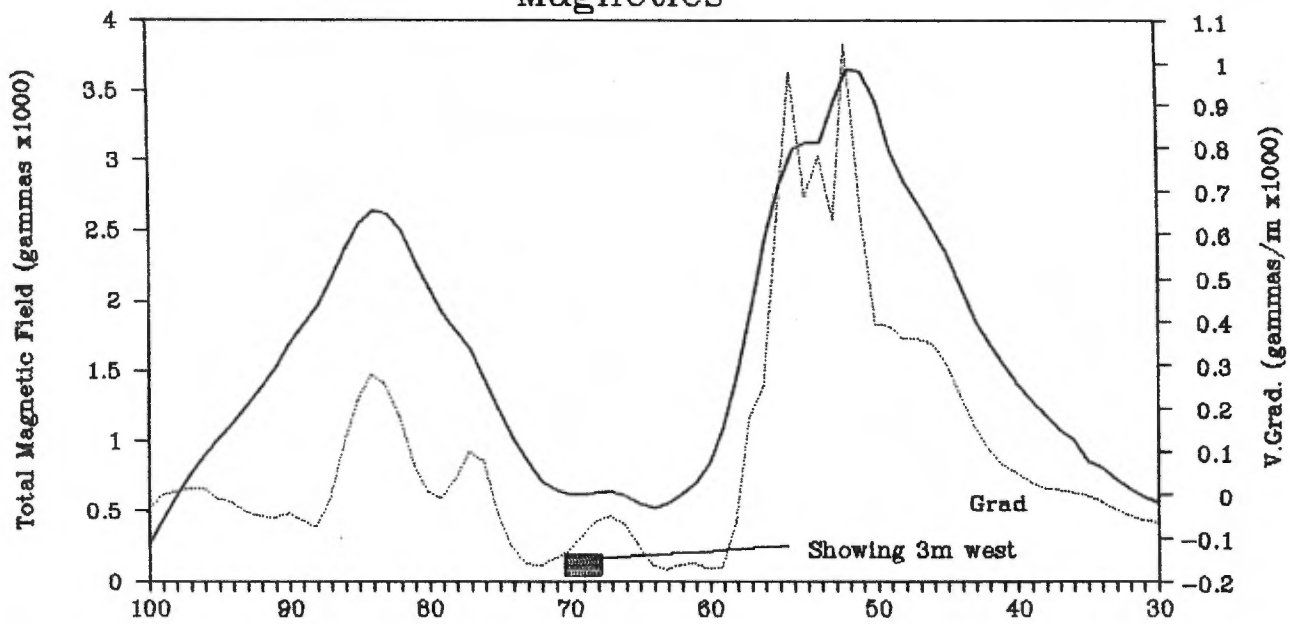
Anomaly D Conductor: Striking W-NW from SG line 3W to 9W at station 7+70 N to 10+50 N. Interference with fence line at 8+00 N and 10+25 N.

Anomaly E Conductor: Striking W-SW from SG Line 15 to 22W at station 10+25 to 8+00 S. This is a good conductor with classical responses in the VIP, Quad and TFVLF, and is coincident with a highly variable magnetic field. Detail line 2 (Figure 10) suggests this may be a multiple conductor separated by 20 meters, explaining the relatively slow drop of rate of the signal. Also evident from detail line 2 is the location of the two distinct magnetic anomalies coincident with the northern edges of the two conductive axii. Some outcrops in the area and at the road cut (line 14+20 W, 9+00 N) show significant alteration, however this does not explain the magnetic nor the VLF anomalies. Anomaly E extends to line 24W, although the signature is significantly altered to represent a that of a 2-D resistivity structure. This may be due to the convergence of two fence lines.

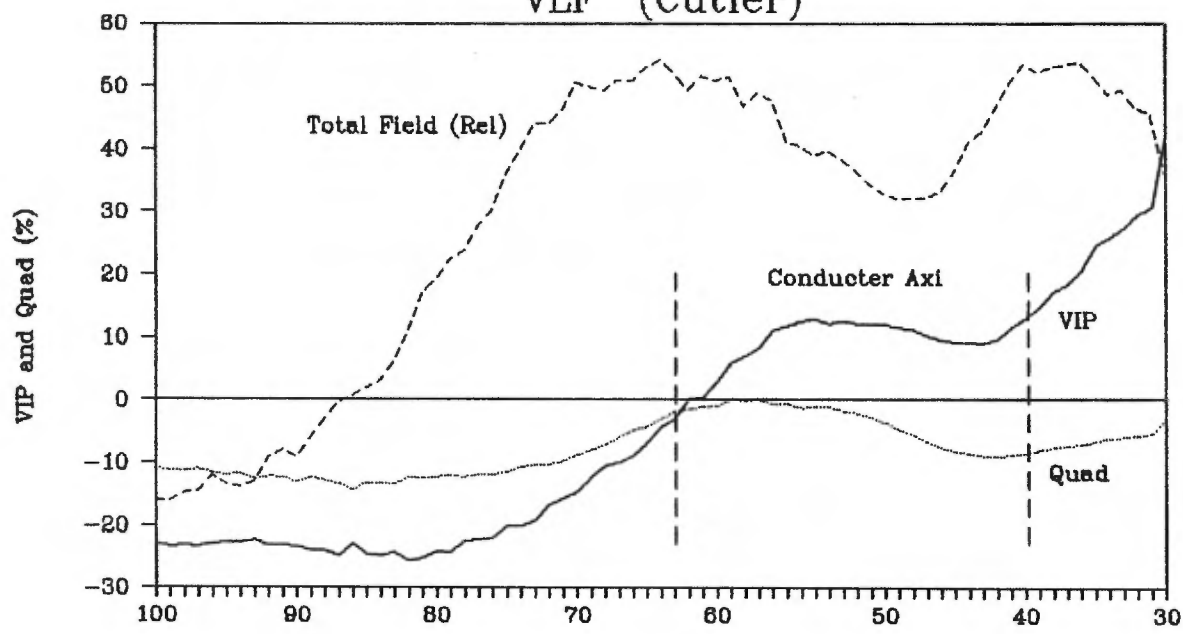
Anomaly F Conductor: Striking West from NG Line 14W to 20W at stations 2+00 N to 3+25 N. The conductor is poorly defined due to several fences within the area. A possible source may be the wet swampy soil conditions of this area. Anomaly F is coincident with anomaly E, although the associated magnetics is greatly subdued.

Detail Line 2 - FIGURE 10

Magnetics



VLF (Cutler)



Anomaly G Conductor: This anomaly is limited to NG line 30W at 4+00 N. Several fences which converge in this area may be a partial cause.

Anomaly I & J Conductor: SG lines 0 to 7 E, 15+00 to 11+00 N, these two conductors are coincident with breaks between outcrop ridges and grazing land, and is likely due to superficial current channelling.

Anomalies H, K, L, M, N, O, P, Q, R, S, T, U, V, W and X 2-Dimensional contrast. These anomalies are typical of resistivity contrasts such as would be evident over a fault of contrasting rock units, or over variations in overburden depth. From field notes all of these anomalies may be attributed to overburden variations.

DISCUSSION OF RESULTS

Alteration and mineralization similar to those which occur in the NCM deposit exist on the Berard Property. These occurrences appear to occur at a similar stratigraphic location relative to both the amphibolite/leucocratic biotite gneiss contact and the marble as the mineralization of the NCM deposit. This suggests that if the NCM deposit is a syngenetic massive sulphide deposit then an event horizon may continue through the Berard Property. This would make sense considering the structural circumstance, as the horizon would be folded within the overturned anticline, the west limb containing the NCM deposit and the nose and east limb situated in the Berard Property.

The geophysical data is difficult to interpret conclusively without detailed mapping of the property. The general trends of the mag highs tend to indicate the overturned anticlinal structure. Coincident VLF conductors and a linear mag highs over the Cordierite zone suggest a strike length of at least 1.8 km and the potential for sulphide +/- magnetite mineralization. A 2 km mag high also crosses the Lasalle shaft.

RECOMMENDATIONS

Follow-up work is warranted since data collected thus far indicates the potential to find deposits similar to the NCM deposit. This data includes :

- i) rocks similar to those which host the NCM deposit are present;
- ii) the presence of multiple mag/VLF anomalies, largely unexplained although some are coincident with known mineralization and alteration; and
- iii) several encouraging base and precious metal assays.

Geological mapping of the property should be of primary concern, this would confirm/refute the presence of the stratigraphy which hosts the NCM deposit, detail the geological trends for detailed grids, and possibly discover more alteration and/or base metal mineralization.

In the area of VLF anomaly D and E and coincident mag high, a deeper EM survey using equipment such as Max-Min or GeoProbe would better locate and define the reason for the anomaly. In the presence the cultural effects, GeoProbe may prove to be the most practical tool for this type of geophysical survey. A simultaneous soil geochemistry survey +/- trenching would also contribute important information in this area.

In the areas of other magnetic or VLF anomalies, follow-up geophysical prospecting with equipment such as the EM-16 VLF receiver and the MF-2 fluxgate magnetometer would be a cost effective way to outline the causes of the anomalies.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

CERTIFICATE OF QUALIFICATIONS

I, Christopher Bishop, of # 208 - 5775 Toronto Road, Vancouver, British Columbia hereby certify that :

- i. I am a graduate of the University of British Columbia (1986) and hold a B.Sc. degree in geology.
- ii. I have been employed in my profession by various mining companies since graduation.
- iii. I am a fellow of the Geological Association of Canada.
- iv. I am the owner of the mining claims detailed in this report, namely those which are part of the Berard Property in Grand Calumet Township, Quebec.
- v. I commissioned all of the work detailed in this report that occurred between the dates of May 11 and June 6, 1991, hiring the necessary contractors, and supervised the work.
- vi. I am co-author of this report and my findings are based on work supervised or conducted by myself between the dates of May 11 and June 6, 1991.



Christopher Bishop
B.Sc., F.G.A.C.
Consulting Geologist

Cathay Exploration Inc.

58 Pentland Crescent, Kanata, Ontario K2K 1V5

Dennis Gamble, C.E.D.
260 Saint-Viateur St. West
Montréal (Québec) H2V 1X9
(514) 274-0369

Statement of Qualifications

I, **Dennis Roy Gamble,**

Have a B.Sc. Honours degree in Physics from Carleton University (May 1988)

**Am presently enrolled at L'Ecole Polytechnique, Université de Montréal in a M.Sc A.,
the Exploration Geophysics option, specialising in EM techniques.**

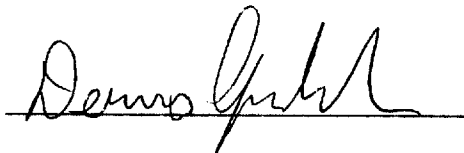
Am a member of the Canadian Geophysics Union (CGU).

Am a member of the European Association of Exploration Geophysicists (EAEG).

Am a member of the Association of Exploration Geophysicists (AEG).

Reside at;

**260 Saint Viateur St. O.
Montreal, PQ
H2V 1X9**



June 29th, 1991

Cathay Exploration Inc.

58 Pentland Crescent, Kanata, Ontario K2K 1V5

Dennis Gamble, C.E.D.
260 Saint-Viateur St. West
Montréal (Québec) H2V 1X9
(514) 274-0369

REGISTRATION DES LOIS
QUEBEC
'91 JUL 8 10 45

June 28, 1991

TO WHOM IT MAY CONCERN,

I certify that I conducted a magnetic and VLF-EM survey on the Berard Property, Calumet Island, Quebec as follows :

- i) The surveys were conducted at the request of Chris Bishop, owner of the 32 mining claims between the dates of May 14 and June 6, 1991 ;
- ii) they totaled 86.825 km of magnetic survey at 25 m spacings within which 2.735 km was at 12.5 m spacings and 82.650 km of VLF survey at 25 m spacings within which 2.735 km was at 12.5 m spacings ;
- iii) I spent 2 days of follow-up reconnaissance ;
- iv) I spent 7 days plotting the data and interpreting it ;
- v) that the totalled amount billed to Chris Bishop was \$ 17,253.13.

Signed,



Dennis Gamble
B.Sc.

APPENDIX II

ASSAY RESULTS

Beard Property

#	Area	Desc.
089277	LaSalle Showing	Amphibolite - Tr po
089278	" "	Mineralized dump material
089279	" "	" " " "
089280	" "	Rusty biotitic amphibolite
089281	Demouchel Farm	Altered biotitic gneiss
089282	Cardierite Area	Altered garnetiferous bio-gneiss
089283	" "	" " " "
089284	" "	" " " "
089285	" "	" " " "
089286	" "	" " " "
089287	" "	" " " "





X-RAY ASSAY LABORATORIES

A DIVISION OF SGS SUPERVISION SERVICES INC.

1885 LESLIE STREET DON MILLS, ONTARIO M3B 3J4 CANADA
 TEL: (416)445-5755 TELEX: 06-986947 FAX: (416)445-4152

CERTIFICATE OF ANALYSIS REPORT 15689

TO: PHELPS DODGE CORPORATION OF CANADA, LIMITED
 ATTN: PAUL CHAMOIS
 SUITE 912, 120 ADELAIDE STREET WEST
 TORONTO, ONTARIO
 M5H 1T1

CUSTOMER No. 1877

DATE SUBMITTED
 21-May-91

JUN 18 8 1991

REF. FILE 9972-T3


Total Pages 4

11 ROCKS Proj. 91-42

	METHOD	DETECTION LIMIT
AU PPB	AA	20.
LI PPM	ICP	1.
BE PPM	ICP	.5
NA %	ICP	.01
MG %	ICP	.01
AL %	ICP	.01
P %	ICP	.01
K %	ICP	.01
CA %	ICP	.01
SC PPM	ICP	.5
TI %	ICP	.01
V PPM	ICP	2.
CR PPM	ICP	1.
MN %	ICP	.01
FE %	ICP	.01
CO PPM	ICP	1.
NI PPM	ICP	1.
CU PPM	ICP	.5

	METHOD	DETECTION LIMIT
ZN %	XRF	.01
ZN PPM	ICP	.5
AS PPM	ICP	3.
SR PPM	ICP	.5
Y PPM	ICP	.1
ZR PPM	ICP	.5
MO PPM	ICP	1.
AG OZ/TON	FA	.1
AG PPM	ICP	1.
CD PPM	ICP	1.
SN PPM	ICP	10.
SB PPM	ICP	5.
BA PPM	ICP	1.
U PPM	ICP	10.
Pb %	XRF	.01
Pb PPM	ICP	2.
Bi PPM	ICP	3.

DATE 14-JUN-91

CERTIFIED BY  Philip Doctor, Laboratory Manager

SAMPLE	AU PPB	LI PPM	BE PPM	NA %	MG %
089277	<20	9	4.8	2.81	4.16
089278	50	7	5.2	1.33	5.43
089279	750	6	3.3	.21	3.72
089280	630	5	1.5	.83	.98
089281	<20	8	2.7	2.62	1.00
089282	<20	18	4.3	2.24	3.19
089283	30	19	4.6	1.62	2.98
089284	<20	32	4.0	2.23	4.02
089285	<20	9	4.1	2.37	3.55
089286	<20	20	1.6	3.07	1.70
089287	1050	14	1.9	2.40	1.03

SAMPLE	AL %	P %	K %	CA %	SC PPM
089277	8.94	.05	.61	6.58	36.6
089278	7.77	.04	.94	8.41	28.8
089279	3.97	.03	.26	16.5	13.2
089280	3.52	.03	2.00	.51	7.1
089281	7.10	.04	1.73	1.83	13.9
089282	7.17	.12	2.43	.93	28.0
089283	7.36	.14	1.52	3.43	31.8
089284	9.66	.02	2.74	1.52	29.5
089285	7.11	.08	.60	4.90	31.3
089286	7.02	.04	1.66	1.28	15.4
089287	6.37	.02	3.02	.41	3.3

SAMPLE	TI %	V PPM	CR PPM	MN %	FE %
089277	.42	289	138	.33	7.53
089278	.38	244	111	1.00	8.74
089279	.18	113	79	1.31	6.54
089280	.15	33	251	.04	6.11
089281	.19	92	271	.05	4.77
089282	.50	364	216	.13	8.65
089283	.48	306	201	.11	7.68
089284	.31	347	359	.12	10.9
089285	.44	312	107	.12	7.74
089286	.20	222	216	.04	7.33
089287	.10	98	195	.02	12.3

SAMPLE	CO PPM	NI PPM	CU PPM	ZN %	ZN PPM
089277	32	22	132.	--	39.
089278	28	15	388.	2.37	24200.
089279	24	11	670.	5.22	52800.
089280	13	3	4830.	--	70700.
089281	5	5	69.7	--	183.
089282	21	5	189.	--	151.
089283	28	30	437.	--	228.
089284	34	71	290.	--	182.
089285	18	19	83.3	--	102.
089286	43	27	218.	--	117.
089287	39	88	949.	.19	1890.



X-RAY ASSAY LABORATORIES 13-JUN-91 REPORT ----- REF. 9972 PAGE 2

SAMPLE	AS PPM	SR PPM	Y PPM	ZR PPM	MO PPM
277	<3	249.	15.3	15.9	2
089278	9	172.	12.1	16.2	2
089279	11	105.	8.7	.9	3
089280	6	30.0	4.5	58.3	41
089281	10	112.	7.7	55.2	18
089282	7	167.	15.2	21.2	14
089283	<3	225.	14.6	29.9	3
089284	<3	155.	4.6	66.7	1
089285	8	218.	15.3	23.0	3
089286	5	230.	4.4	27.0	3
089287	5	51.5	2.3	46.6	2

SAMPLE	AG OZ/TON	AG PPM	CD PPM	SN PPM	SB PPM
089277	---	1.3	3	<10	<5
089278	151	19.5	93	<10	<5
089279	1.70	44.9	186	<10	5
089280	---	387.	253	<10	236
089281	---	1.0	<1	<10	<5
089282	---	.5	<1	<10	<5
089283	---	.5	<1	<10	<5
089284	---	1.3	<1	<10	<5
089285	---	.1	<1	<10	<5
089286	---	.9	<1	<10	<5
089287	2.03	55.9	14	<10	53

SAMPLE	BA PPM	W PPM	PB %	PB PPM	BI PPM
089277	126	<10	---	561	8
089278	113	<10	1.57	14100	8
089279	7	355	4.50	11100	8
089280	25	818	---	8370	30
089281	267	<10	---	96	<3
089282	447	<10	---	43	4
089283	291	<10	---	26	5
089284	286	<10	---	21	4
089285	131	<10	---	31	3
089286	384	<10	---	59	4
089287	39	<10	.69	3780	7



APPENDIX III

GEOPHYSICAL DATA

May 14, 1991

Part A

Line 100 E - 1400 w
Stat 250S - 1075 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base stati
Staff lenght 3m Gradient seperation 50 c

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000

VLF Cuttler Orientation striking grid at 9
VIP = Veritcal In Phase with Total Field Amplit
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA U
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
100	817	56864.1	-135.9	-4.0	-3.60	2.60	20.99
100	794	56872.9	-127.1	-3.7	-2.50	4.70	20.32
100	771	56894.8	-105.2	0.4	-4.40	5.80	19.66
100	748	56895.1	-104.9	1.4	-11.30	4.40	19.54
100	725	57055.5	55.5	11.0	-20.60	1.10	19.82
100	702	56879.2	-120.8	3.6	-28.80	-4.10	21.59
100	679	56889.6	-110.4	6.2	-29.00	6.00	22.84
100	656	56858.1	-141.9	3.7	-37.90	-6.70	23.30
100	633	56839.1	-160.9	6.5	-49.00	7.30	27.49
100	610	56830.2	-169.8	5.8	-42.40	-2.10	35.61
100	587	56847.7	-152.3	-0.6	-17.90	3.50	41.16
100	564	56840.5	-159.5	1.4	9.70	4.60	36.86
100	541	56793.2	-206.8	-3.2	8.90	1.40	34.08
100	518	56819.3	-180.7	-1.4	28.80	3.50	33.82
100	495	56882.5	-117.5	1.1	42.00	12.90	28.26
100	472	56907.2	-92.8	10.0	38.00	18.80	23.33
100	449	56813.6	-186.4	-5.4	26.90	16.40	21.32
100	426	56807.2	-192.8	-2.5	18.60	13.80	20.72
100	403	56815.0	-185.0	0.4	14.30	11.70	20.73
100	380	56824.3	-175.7	-0.4	8.90	11.60	20.92
100	357	56887.3	-112.7	-5.3	1.70	10.70	20.75
100	334	56880.4	-119.6	-8.8	-2.80	10.30	20.72
100	311	56760.3	-239.7	-22.6	-7.50	9.50	21.13
100	288	56759.3	-240.7	-11.4	-9.70	9.20	21.50
100	265	56774.8	-225.2	-14.7	-11.00	10.50	21.67
100	242	56783.1	-216.9	-3.0	-11.80	14.00	21.88
100	219	56789.2	-210.8	-22.6	-15.60	14.00	21.89
100	196	57352.0	352.0	152.1	-21.70	14.80	22.07
100	173	59103.4	2103.4	944.1	-31.10	14.80	22.74
100	150	57557.3	557.3	12.9	-40.90	14.10	23.77
100	125	57632.6	632.6	-29.4	-55.30	13.10	26.49
100	100	57417.1	417.1	36.2	-75.60	9.70	36.70
100	75	56817.6	-182.4	-12.0	-45.70	26.20	44.49
100	50	56818.3	-181.7	-1.0	-24.50	28.80	40.18
100	25	56779.3	-220.7	-23.5	-29.10	49.10	29.44
100	-100	56611.0	-389.0	-23.3	23.30	-15.00	28.79

100	-125	56612.9	-387.1	-13.8	25.00	-15.60	27.39
100	-150	56626.2	-373.8	-24.2	24.70	-16.60	22.19
100	-175	57063.7	63.7	-1.7	9.10	-13.90	20.06
100	-200	57404.7	404.7	6.9	0.40	-8.20	20.54
100	-225	57590.7	590.7	20.3	-2.40	-3.40	20.28
100	-250	57406.7	406.7	-2.6	-7.50	-1.70	20.89
100	-275	57250.8	250.8	-19.4	-7.10	0.20	21.66
0	861	56948.9	-51.1	10.6	-22.80	-7.40	32.01
0	839	56954.9	-45.1	4.9	7.10	-1.20	25.50
0	817	56929.8	-70.2	-2.8	7.00	-0.10	23.27
0	795	56838.9	-161.1	-12.6	21.00	6.70	16.16
0	773	56864.5	-135.5	-3.6	12.20	5.20	13.56
0	751	56876.6	-123.4	-3.6	-0.10	2.60	14.21
0	729	56939.0	-61.0	1.9	0.40	6.00	13.31
0	707	56898.7	-101.3	1.8	-5.20	2.70	13.55
0	685	56818.3	-181.7	-6.5	-9.70	3.20	13.20
0	663	56855.0	-145.0	-19.5	-16.00	-0.90	13.73
0	641	56901.1	-98.9	-10.0	-19.30	1.00	14.10
0	619	56856.4	-143.6	-4.1	-23.20	1.50	14.14
0	597	56828.9	-171.1	-6.0	-24.20	1.10	14.62
0	575	56812.0	-188.0	-2.7	-32.00	0.20	15.50
0	553	56796.4	-203.6	-3.3	-38.00	-2.20	16.15
0	531	56752.3	-247.7	-10.4	-55.80	-5.90	19.31
0	509	56826.6	-173.4	1.6	-32.30	0.30	29.39
0	487	56738.1	-261.9	6.9	-11.00	-2.20	25.66
0	465	56718.5	-281.5	-17.9	21.00	-1.60	21.37
0	443	56914.0	-86.0	-13.3	34.20	1.80	17.61
0	421	56766.5	-233.5	-3.2	51.50	21.20	16.48
0	399	56736.4	-263.6	-8.1	27.30	16.50	12.23
0	377	56856.5	-143.5	-3.6	12.60	9.90	11.37
0	355	57024.2	24.2	18.5	-1.60	4.60	11.36
0	333	56919.0	-81.0	-40.5	-21.00	-2.00	12.54
0	311	56832.9	-167.1	-6.3	-13.50	2.70	14.39
0	289	56738.9	-261.1	-65.3	-26.40	-1.20	13.84
0	267	56767.9	-232.1	-5.8	-19.80	1.00	13.21
0	245	56959.8	-40.2	20.5	-13.20	8.80	15.19
0	223	56690.8	-309.2	-24.6	-15.80	10.10	12.82
0	201	56893.8	-106.2	-1.0	-27.30	8.50	14.37
0	179	57026.6	26.6	3.6	-31.00	10.60	16.55
0	157	57127.4	127.4	2.1	-24.30	15.20	17.72
0	135	57187.7	187.7	7.9	-18.50	17.20	18.42
0	113	56947.9	-52.1	-6.3	-12.20	18.00	18.91
0	91	56905.9	-94.1	-3.0	-3.70	14.50	19.76
0	69	56933.0	-67.0	6.0	1.60	16.20	17.85
0	47	56759.6	-240.4	-9.3	-13.90	25.20	15.11
0	25	56783.6	-216.4	-5.5	-58.50	56.10	12.23
0	-25	56835.6	-164.4	-75.6	-50.30	88.80	28.40
0	-50	56717.2	-282.8	-26.5	13.00	-21.00	23.28
0	-75	56887.5	-112.5	-13.6	4.60	-12.30	23.00
0	-100	56964.8	-35.2	-1.4	-4.40	-7.50	22.81
0	-125	57016.7	16.7	4.2	-6.80	-5.40	23.65
0	-150	56872.5	-127.5	-10.2	-9.50	-4.20	23.84
0	-175	56980.3	-19.7	-4.7	-7.40	-2.80	23.30
0	-200	57087.1	87.1	-7.9	-6.80	-1.80	22.91
0	-225	57276.6	276.6	2.4	-8.40	-0.90	22.64
0	-250	57382.3	382.3	3.5	-10.70	-2.10	22.88

0	-275	57306.1	306.1	-10.5	-16.70	-14.20	23.75
-100	1075	56876.7	-123.3	-4.2	-99.99	-99.99	-99.99
-100	1050	56840.4	-159.6	-0.6	-99.99	-99.99	-99.99
-100	1025	56857.1	-142.9	7.9	-99.99	-99.99	-99.99
-100	1000	56904.1	-95.9	10.0	-99.99	-99.99	-99.99
-100	975	56890.2	-109.8	3.5	-99.99	-99.99	-99.99
-100	950	56934.7	-65.3	17.8	-99.99	-99.99	-99.99
-100	925	56870.8	-129.2	-20.1	-99.99	-99.99	-99.99
-100	900	56885.0	-115.0	-2.8	-99.99	-99.99	-99.99
-100	875	56964.3	-35.7	8.3	-99.99	-99.99	-99.99
-100	850	56938.8	-61.2	7.3	-99.99	-99.99	-99.99
-100	825	56837.7	-162.3	0.9	-99.99	-99.99	-99.99
-100	800	56806.4	-193.6	-8.3	-99.99	-99.99	-99.99
-100	775	56859.9	-140.1	-2.1	-99.99	-99.99	-99.99
-100	750	56945.9	-54.1	4.0	-99.99	-99.99	-99.99
-100	725	56816.8	-183.2	-4.8	-99.99	-99.99	-99.99
-100	700	56872.4	-127.6	7.8	-99.99	-99.99	-99.99
-100	675	56876.0	-124.0	7.2	-99.99	-99.99	-99.99
-100	650	56837.9	-162.1	-2.6	-99.99	-99.99	-99.99
-100	625	56887.7	-112.3	2.4	-99.99	-99.99	-99.99
-100	600	56911.4	-88.6	4.4	-99.99	-99.99	-99.99
-100	575	56767.1	-232.9	-8.0	-99.99	-99.99	-99.99
-100	550	56868.1	-131.9	1.9	-99.99	-99.99	-99.99
-100	525	56837.0	-163.0	-4.7	-99.99	-99.99	-99.99
-100	500	57638.9	638.9	-34.5	41.20	6.90	15.15
-100	475	57236.5	236.5	-6.1	27.70	5.20	12.74
-100	450	56998.8	-1.2	34.4	16.80	6.10	11.79
-100	425	56781.3	-218.7	-23.8	8.30	4.00	11.00
-100	400	56872.6	-127.4	1.2	-0.60	3.60	10.86
-100	375	56830.5	-169.5	-11.8	-8.20	0.90	10.56
-100	350	56833.0	-167.0	-5.9	-20.00	-1.50	10.66
-100	325	56863.0	-137.0	3.5	-33.70	-6.40	11.08
-100	300	56799.2	-200.8	4.2	-39.60	-3.80	14.88
-100	275	56824.3	-175.7	8.5	-6.90	9.90	11.82
-100	250	56833.2	-166.8	-3.7	-8.90	11.80	11.61
-100	225	57015.5	15.5	10.2	-19.50	9.10	12.05
-100	200	57023.0	23.0	6.6	1.90	12.10	13.82
-100	175	56975.5	-24.5	3.4	15.60	17.00	11.86
-100	150	56929.4	-70.6	6.6	13.80	34.10	9.50
-100	125	56784.4	-215.6	-8.5	-43.60	21.50	9.33
-100	100	56737.1	-262.9	-6.8	-31.30	23.20	11.31
-100	75	56812.9	-187.1	-4.4	-18.00	27.30	12.72
-100	50	56916.8	-83.2	0.2	-3.40	30.50	11.98
-100	25	56989.5	-10.5	-1.7	-4.70	44.30	10.35
-100	0	57089.2	89.2	-0.2	70.20	62.70	9.91
-100	-25	57262.2	262.2	5.9	7.10	-42.30	22.20
-100	-50	57302.9	302.9	2.1	-6.70	-16.10	23.03
-100	-75	57324.9	324.9	8.2	-9.50	-12.10	24.95
-100	-100	57278.6	278.6	5.9	-8.40	-11.80	26.39
-100	-125	57226.8	226.8	0.9	-2.60	-13.70	27.21
-100	-150	57319.6	319.6	4.3	1.90	-15.40	25.85
-100	-175	57482.4	482.4	13.2	2.60	-15.10	24.62
-100	-200	57590.8	590.8	24.7	-0.80	-14.70	24.10
-100	-225	57399.9	399.9	0.3	-2.00	-12.30	24.89
-100	-250	57529.1	529.1	30.6	3.40	-11.40	25.95
-100	-275	57307.7	307.7	5.9	4.00	-17.80	24.24

-200	925	56884.6	-115.4	1.8	-99.99	-99.99	-99.99
-200	900	56954.8	-45.2	8.4	-99.99	-99.99	-99.99
-200	875	56940.2	-59.8	1.9	-99.99	-99.99	-99.99
-200	850	56942.9	-57.1	2.7	-99.99	-99.99	-99.99
-200	825	56963.5	-36.5	6.4	-99.99	-99.99	-99.99
-200	800	56950.7	-49.3	1.8	-99.99	-99.99	-99.99
-200	775	57010.9	10.9	0.3	-99.99	-99.99	-99.99
-200	750	57087.5	87.5	23.9	-99.99	-99.99	-99.99
-200	725	56847.0	-153.0	-3.4	-99.99	-99.99	-99.99
-200	700	56899.1	-100.9	8.9	-99.99	-99.99	-99.99
-200	675	56873.8	-126.2	0.6	-99.99	-99.99	-99.99
-200	650	56940.3	-59.7	0.2	-99.99	-99.99	-99.99
-200	625	56916.1	-83.9	3.4	-99.99	-99.99	-99.99
-200	600	56965.7	-34.3	7.8	-99.99	-99.99	-99.99
-200	575	56969.0	-31.0	12.7	-99.99	-99.99	-99.99
-200	550	56898.4	-101.6	6.9	-99.99	-99.99	-99.99
-200	525	56871.6	-128.4	1.5	-99.99	-99.99	-99.99
-200	500	56710.3	-289.7	-11.9	-99.99	-99.99	-99.99
-200	475	56773.5	-226.5	-5.2	-99.99	-99.99	-99.99
-200	450	56752.6	-247.4	0.3	-99.99	-99.99	-99.99
-200	425	56657.9	-342.1	-13.4	-99.99	-99.99	-99.99
-200	400	56818.1	-181.9	0.3	-99.99	-99.99	-99.99
-200	375	56775.1	-224.9	-1.1	-99.99	-99.99	-99.99
-200	350	56718.9	-281.1	-9.9	-99.99	-99.99	-99.99
-200	325	56751.0	-249.0	-6.8	-99.99	-99.99	-99.99
-200	300	56846.4	-153.6	-4.0	-99.99	-99.99	-99.99
-200	275	56856.8	-143.2	0.4	-99.99	-99.99	-99.99
-200	250	56848.8	-151.2	2.8	-99.99	-99.99	-99.99
-200	225	56793.3	-206.7	-2.7	-99.99	-99.99	-99.99
-200	200	56837.4	-162.6	-1.3	-99.99	-99.99	-99.99
-200	190	56902.4	-97.6	2.3	-99.99	-99.99	-99.99
-200	180	57014.3	14.3	-0.5	-99.99	-99.99	-99.99
-200	170	57053.0	53.0	1.6	-99.99	-99.99	-99.99
-200	160	57093.3	93.3	2.7	-99.99	-99.99	-99.99
-200	150	57103.4	103.4	5.2	-99.99	-99.99	-99.99
-200	140	57071.2	71.2	4.1	-99.99	-99.99	-99.99
-200	130	57032.7	32.7	0.3	-99.99	-99.99	-99.99
-200	120	57015.1	15.1	-4.4	-99.99	-99.99	-99.99
-200	110	57043.4	43.4	-0.5	-99.99	-99.99	-99.99
-200	100	57066.9	66.9	-2.4	-99.99	-99.99	-99.99
-200	90	57087.5	87.5	0.4	-99.99	-99.99	-99.99
-200	80	57084.6	84.6	-3.5	-99.99	-99.99	-99.99
-200	70	57113.2	113.2	1.0	-99.99	-99.99	-99.99
-200	60	57117.6	117.6	-5.6	-99.99	-99.99	-99.99
-200	50	57139.9	139.9	-3.6	-99.99	-99.99	-99.99
-200	40	57171.4	171.4	-4.6	-99.99	-99.99	-99.99
-200	30	57266.8	266.8	4.5	-99.99	-99.99	-99.99
-200	20	57285.0	285.0	-2.9	-99.99	-99.99	-99.99
-200	-25	57479.2	479.2	0.9	13.10	-60.00	27.62
-200	-50	57561.8	561.8	9.2	4.20	-26.60	26.73
-200	-75	57578.6	578.6	6.5	4.80	-26.70	26.93
-200	-100	57617.5	617.5	9.2	8.40	-23.00	27.60
-200	-125	57657.6	657.6	11.3	16.90	-20.70	28.40
-200	-150	57464.9	464.9	-14.8	31.20	-16.70	26.49
-200	-175	56723.8	-276.2	-58.0	26.70	-14.20	20.72
-200	-200	57467.6	467.6	14.3	-1.80	-22.90	20.82

-200	-225	56587.8	-412.2	-112.2	4.40	-11.40	24.85
-200	-250	57335.1	335.1	13.0	22.30	-3.90	28.27
-200	-275	57457.7	457.7	14.3	27.50	-13.00	21.37
-300	1075	56966.3	-33.7	-3.2	-22.00	23.40	10.09
-300	1050	57236.6	236.6	68.7	-35.90	25.60	10.66
-300	1025	56939.2	-60.8	1.4	-54.30	20.80	11.05
-300	1000	56904.9	-95.1	-12.6	-70.60	12.90	12.65
-300	975	56923.7	-76.3	-8.8	-50.70	20.20	17.73
-300	950	56854.2	-145.8	-8.2	-27.60	20.90	19.05
-300	925	56976.1	-23.9	3.3	3.50	21.60	18.67
-300	900	56948.7	-51.3	-2.1	12.50	24.80	14.41
-300	875	56925.3	-74.7	8.0	-14.70	17.30	15.00
-300	850	56958.4	-41.6	9.0	-9.70	7.70	16.36
-300	825	56956.3	-43.7	3.0	4.90	-6.30	19.84
-300	800	56997.6	-2.4	6.4	3.70	0.40	15.04
-300	775	56939.0	-61.0	0.2	2.40	-19.20	16.06
-300	750	57033.3	33.3	7.5	21.10	-17.90	16.99
-300	725	56891.3	-108.7	-2.5	28.00	-24.30	15.84
-300	700	56897.9	-102.1	2.4	28.20	-19.10	15.65
-300	675	57043.5	43.5	10.5	48.70	-3.00	13.41
-300	650	56877.6	-122.4	-3.3	40.10	2.30	10.59
-300	625	56903.2	-96.8	7.3	13.00	-5.40	9.96
-300	600	56848.7	-151.3	11.9	-6.70	-15.30	10.08
-300	575	56875.3	-124.7	5.1	-8.70	-4.60	14.58
-300	550	56829.9	-170.1	0.5	15.00	9.40	10.91
-300	525	56808.9	-191.1	-42.5	-17.00	-4.50	11.29
-300	500	56801.9	-198.1	-7.6	3.70	-2.90	11.23
-300	475	56799.6	-200.4	-11.4	-37.10	-17.50	11.50
-300	450	56810.1	-189.9	1.7	-42.20	-3.60	15.91
-300	425	56723.1	-276.9	-15.4	-28.90	9.40	17.02
-300	400	56743.3	-256.7	-36.4	-15.80	16.00	17.92
-300	375	57088.8	88.8	-5.0	-8.20	16.40	19.31
-300	350	57139.5	139.5	7.9	-1.00	11.70	18.51
-300	325	57074.9	74.9	2.5	10.80	17.20	16.88
-300	300	56891.4	-108.6	-0.2	-3.40	8.30	18.01
-300	275	56871.1	-128.9	7.6	0.20	10.30	15.49
-300	250	56812.7	-187.3	3.6	-0.60	2.70	17.74
-300	225	56838.1	-161.9	1.3	2.00	1.40	17.99
-300	200	56895.5	-104.5	0.2	3.80	-2.00	17.66
-300	175	57008.6	8.6	2.8	5.70	-1.60	17.76
-300	150	57174.6	174.6	9.0	3.20	-0.90	17.33
-300	125	57258.4	258.4	11.4	3.90	0.00	18.13
-300	100	57219.4	219.4	2.9	4.10	1.00	18.64
-300	75	57190.9	190.9	1.6	9.00	1.70	18.52
-300	50	57280.3	280.3	2.2	1.70	2.40	18.56
-300	25	57344.7	344.7	3.5	-14.00	28.00	15.75
-300	0	57378.1	378.1	1.2	30.70	-10.60	21.94
-300	-25	57518.9	518.9	-5.6	-41.00	-130.20	36.65
-300	-50	57639.9	639.9	22.2	43.20	-37.70	26.87
-300	-75	57708.0	708.0	33.8	61.70	-7.70	21.06
-300	-100	57518.8	518.8	-48.2	40.20	-11.80	18.53
-300	-125	57613.1	613.1	-77.6	23.50	-15.60	18.37
-300	-150	58309.3	1309.3	128.3	11.30	-15.90	18.74
-300	-175	57496.8	496.8	2.3	8.60	-8.80	23.30
-300	-200	58120.6	1120.6	55.6	16.70	-3.30	19.60
-300	-225	58008.3	1008.3	55.8	8.80	-6.20	19.41

-300	-250	58209.7	1209.7	113.4	0.40	-6.90	19.79
-300	-275	57129.2	129.2	-58.3	-4.60	-8.60	19.95
-400	1075	56932.1	-67.9	-14.2	20.40	-15.20	9.34
-400	1050	56998.3	-1.7	-0.4	-29.20	19.40	9.72
-400	1025	57053.5	53.5	-7.6	-38.00	17.90	9.62
-400	1000	57097.7	97.7	-3.3	-48.00	17.90	9.93
-400	975	57040.7	40.7	15.1	-68.20	9.40	11.29
-400	950	56886.1	-113.9	-5.6	-77.80	17.30	14.06
-400	925	56907.6	-92.4	-0.2	-50.90	27.90	17.46
-400	900	56938.0	-62.0	1.4	-26.60	32.90	18.14
-400	875	56987.8	-12.2	9.8	-16.60	38.20	15.90
-400	850	56899.9	-100.1	4.7	-40.00	28.20	18.82
-400	825	56931.6	-68.4	-1.1	-15.70	15.80	19.34
-400	800	56893.6	-106.4	-0.4	-21.00	10.70	24.26
-400	775	56973.2	-26.8	7.0	22.90	-10.00	23.55
-400	750	56882.1	-117.9	0.3	48.10	-21.10	18.28
-400	725	56967.4	-32.6	1.6	72.90	-16.00	14.38
-400	700	57012.2	12.2	10.0	40.00	-29.60	10.21
-400	675	57080.4	80.4	9.4	42.80	-10.30	10.78
-400	650	56944.6	-55.4	0.0	40.30	-6.60	8.54
-400	625	56908.0	-92.0	12.8	15.70	-12.80	7.80
-400	600	56868.8	-131.2	-11.8	5.30	6.90	7.71
-400	575	56864.4	-135.6	-67.7	-8.70	-15.20	8.44
-400	550	56820.8	-179.2	2.3	-32.10	-22.00	9.42
-400	525	56836.5	-163.5	-3.9	-50.20	-11.00	12.24
-400	500	56822.8	-177.2	-1.6	0.90	0.40	13.54
-400	475	56812.3	-187.7	-1.3	32.80	25.10	11.55
-400	450	56799.7	-200.3	-4.9	53.30	49.00	8.70
-400	425	56958.6	-41.4	11.3	-6.70	27.40	7.50
-400	400	57003.2	3.2	2.2	-36.00	16.30	8.46
-400	375	57200.2	200.2	10.8	-41.40	9.20	12.70
-400	350	57271.8	271.8	-2.1	-10.60	8.90	13.63
-400	325	57440.9	440.9	13.8	-23.50	8.20	11.03
-400	300	57319.0	319.0	10.4	-25.10	8.40	12.13
-400	275	57026.9	26.9	-1.5	-5.80	8.10	12.95
-400	250	56889.2	-110.8	-8.4	7.40	6.60	12.31
-400	225	56934.0	-66.0	2.7	21.70	12.30	11.48
-400	200	56906.7	-93.3	-0.4	32.00	24.20	9.94
-400	175	57030.0	30.0	-7.8	18.50	41.70	8.53
-400	150	57351.8	351.8	4.2	-0.10	41.50	8.41
-400	125	57278.2	278.2	2.4	-17.20	41.20	8.74
-400	100	57577.4	577.4	38.7	-38.70	36.50	8.49
-400	75	57096.0	96.0	-11.6	-27.10	30.40	9.63
-400	50	57087.5	87.5	-4.5	-51.50	34.90	10.80
-400	25	57306.3	306.3	3.5	-34.10	20.30	17.57
-400	0	57249.5	249.5	-0.6	16.70	45.50	10.65
-400	-25	59023.3	2023.3	383.3	79.20	-28.20	24.82
-400	-50	57713.0	713.0	16.2	49.20	-17.50	20.87
-400	-75	58005.9	1005.9	66.6	34.20	-15.80	18.81
-400	-100	57512.3	512.3	-54.9	24.70	-15.20	18.17
-400	-125	57813.7	813.7	-32.6	13.90	-17.50	17.44
-400	-150	57171.6	171.6	-51.4	1.90	-15.80	18.84
-400	-175	57774.5	774.5	76.5	-7.10	-16.90	17.59
-400	-200	57241.5	241.5	-2.6	-21.70	-19.40	21.93
-400	-225	57077.9	77.9	-27.7	-5.30	-11.50	21.59
-400	-250	57221.9	221.9	6.8	-0.70	-7.90	22.89

-400	-275	56976.9	-23.1	-11.8	-2.60	-7.80	23.01
-500	1050	56951.5	-48.5	2.3	-18.80	12.10	9.92
-500	1025	56974.5	-25.5	-1.2	-29.20	15.20	9.77
-500	1000	57061.8	61.8	4.2	-39.00	11.30	9.99
-500	975	57047.6	47.6	21.5	-52.30	12.60	10.27
-500	950	56910.3	-89.7	-6.4	-64.40	11.60	10.82
-500	925	56932.8	-67.2	3.4	-75.00	19.70	11.88
-500	900	56962.6	-37.4	-2.7	-62.40	28.70	19.37
-500	875	57031.9	31.9	2.5	-1.90	10.70	18.16
-500	850	56994.1	-5.9	6.1	1.40	2.30	16.55
-500	825	56960.4	-39.6	-1.3	1.90	2.40	17.18
-500	800	56972.5	-27.5	0.7	19.60	-0.30	14.78
-500	775	56900.6	-99.4	3.9	5.40	1.70	12.07
-500	750	56887.2	-112.8	-1	7.50	-4.70	13.35
-500	725	56945.7	-54.3	-1.1	12.70	-10.70	12.69
-500	700	56953.3	-46.7	-1.3	21.40	-13.20	12.68
-500	675	56916.1	-83.9	-1.4	46.50	-10.30	10.37
-500	650	57107.2	107.2	-10.6	26.50	-36.60	8.01
-500	625	56996.9	-3.1	-7.9	-8.20	-30.80	8.71
-500	600	56905.3	-94.7	-18.4	12.00	20.00	8.83
-500	575	56876.7	-123.3	1.5	-4.90	6.40	8.08
-500	550	56945.9	-54.1	9.5	-10.20	-2.10	12.29
-500	525	56967.7	-32.3	16.2	78.10	19.80	11.98
-500	500	57008.3	8.3	21.1	41.80	12.50	7.80
-500	475	56790.1	-209.9	-35.6	15.30	2.40	7.21
-500	475	56788.4	-211.6	-35.3	15.70	1.80	7.18
-500	450	56913.3	-86.7	-19.1	-13.20	-5.10	7.35
-500	425	56829	-171.0	-0.4	-41.90	-8.70	8.98
-500	400	57018.6	18.6	2.9	-33.90	0.30	15.20
-500	375	57164.3	164.3	5.6	15.60	1.80	14.96
-500	350	56768.5	-231.5	-18.5	-14.40	-3.20	12.56
-500	325	56851.5	-148.5	-17.2	44.10	-1.60	13.30
-500	300	57921.8	921.8	448.2	68.70	8.50	11.25
-500	275	56883.8	-116.2	5.2	44.10	5.10	8.47
-500	250	56778.9	-221.1	-10.4	33.50	5.80	8.11
-500	225	56817.5	-182.5	-39.7	25.10	5.30	7.88
-500	200	57285	285.0	-21.5	12.10	3.50	7.74
-500	175	57386.6	386.6	22.6	3.40	3.50	7.74
-500	150	57417.3	417.3	6.4	-4.10	4.20	7.62
-500	125	57635.8	635.8	68.8	-18.40	3.40	7.62
-500	100	57319.7	319.7	-5.2	-21.70	10.40	8.34
-500	100	57319.3	319.3	-5.5	-20.50	9.80	7.75
-500	100	57319.7	319.7	-5.9	-21.20	10.50	8.27
-500	75	57349.2	349.2	11.8	-44.10	11.90	8.89
-500	50	57603.6	603.6	57.6	-65.90	20.60	10.54
-500	25	57181.9	181.9	-27.7	-105.00	32.20	13.53
-500	0	57024.4	24.4	-4.2	-8.50	-7.70	16.69
-500	-25	57521.5	521.5	51.3	-41.00	-12.90	22.37
-500	-50	57595.8	595.8	57.0	-30.40	-7.30	19.13
-500	-75	57097.6	97.6	-38.5	-20.60	-12.90	20.96
-500	-100	57206.8	206.8	-53.7	-10.10	-11.30	18.74
-500	-125	57321.6	321.6	-10.0	-3.00	-11.00	18.40
-500	-150	57537.0	537.0	35.3	6.20	-10.30	18.35
-500	-175	57439.4	439.4	34.6	12.90	-9.50	18.35
-500	-200	57451.7	451.7	50.3	20.80	-11.00	18.97
-500	-225	57083.2	83.2	10.9	28.50	-13.10	19.61

-500	-250	57090.9	90.9	-7.3	43.70	-14.40	20.99
-500	-275	57142.1	142.1	46.1	73.00	-22.20	25.95
-600	1050	56977.5	-22.5	3	-22.70	9.70	14.71
-600	1050	56979.6	-20.4	1.2	-22.80	10.20	14.04
-600	1025	57027.5	27.5	1	-34.10	8.10	16.03
-600	1000	57033.5	33.5	0.1	-44.80	6.80	17.44
-600	975	56976.2	-23.8	-0.8	-59.00	4.40	20.21
-600	950	56905.8	-94.2	-39	-79.10	0.90	25.89
-600	925	56983.4	-16.6	-1.9	-53.80	11.60	39.48
-600	925	56981.4	-18.6	-1.1	-53.70	11.40	39.75
-600	900	57027.2	27.2	2.8	-13.40	5.80	41.20
-600	875	57010.2	10.2	5.2	4.60	-2.90	36.60
-600	850	56931.5	-68.5	1	18.20	-8.70	30.75
-600	825	56893.5	-106.5	-2	25.10	-12.30	22.58
-600	800	56905.6	-94.4	-0.6	-25.10	-37.40	20.64
-600	775	56905.9	-94.1	0.4	6.40	-8.40	18.97
-600	750	56983.1	-16.9	-1.2	-22.00	-13.10	21.42
-600	725	57121.8	121.8	12	-16.60	-5.90	36.51
-600	700	57012.8	12.8	0.6	14.50	-0.50	37.46
-600	675	56937.9	-62.1	-17.5	45.80	14.40	26.21
-600	650	56938.2	-61.8	7.8	22.80	-1.30	22.45
-600	625	56841	-159.0	-7.3	9.90	-6.00	20.55
-600	600	57040.5	40.5	23.6	-5.40	-10.20	21.12
-600	600	57079.9	79.9	32.1	-4.20	-9.60	21.07
-600	575	56878.7	-121.3	-8.3	-21.40	-9.40	27.28
-600	550	56849.5	-150.5	-11.6	-20.50	-9.70	22.43
-600	525	56882.6	-117.4	-12	-74.80	-40.50	32.25
-600	500	57016.3	16.3	-10.8	-20.50	8.70	30.75
-600	475	57082.4	82.4	2.9	-13.80	4.90	33.91
-600	450	57129.7	129.7	-5.2	-6.10	3.00	35.12
-600	425	57608.2	608.2	37.3	7.20	1.70	36.54
-600	400	57261.5	261.5	-3.5	9.40	0.90	35.03
-600	375	57043	43.0	1.1	10.80	0.50	42.96
-600	350	57002.8	2.8	26.9	59.10	11.30	32.79
-600	325	56801.8	-198.2	0.3	28.80	5.90	25.64
-600	300	56792.9	-207.1	-5.5	17.90	4.70	25.34
-600	275	56872.8	-127.2	6.5	6.10	-0.50	25.04
-600	250	56897.1	-102.9	-8.5	8.90	7.40	24.02
-600	225	56935.2	-64.8	-19	1.50	6.20	23.68
-600	200	56930.9	-69.1	-15.2	2.60	6.10	23.85
-600	175	57266.3	266.3	11.6	-9.20	5.20	23.74
-600	150	57289.4	289.4	-15.7	-20.50	3.60	24.16
-600	125	57369.3	369.3	8.8	-19.30	7.60	32.99
-600	100	57170.7	170.7	-1.5	-32.60	10.50	26.17
-600	75	57073.2	73.2	-3.6	-37.10	16.30	27.00
-600	50	57071.7	71.7	-2.4	-36.20	16.80	27.09
-600	25	57043.5	43.5	0.1	-69.90	10.70	35.81
-600	0	57168	168.0	12.3	-57.10	36.10	42.95
-600	-25	56813.3	-186.7	-52.0	-18.10	-6.00	23.43
-600	-50	57219.4	219.4	-10.6	-30.80	-15.80	22.25
-600	-75	57355.0	355.0	11.8	-18.80	-12.00	20.67
-600	-100	57419.7	419.7	7.2	-9.10	-11.20	19.72
-600	-125	57393.8	393.8	29.5	-1.50	-10.90	18.88
-600	-150	57415.9	415.9	45.0	12.10	-5.30	19.09
-600	-175	57196.3	196.3	-9.2	15.00	-11.60	20.18

-600	-225	56987.2	-12.8	-9.8	32.30	-17.60	20.10
-600	-250	56983.0	-17.0	-26.9	54.30	-23.10	22.75
-600	-275	56946.2	-53.8	-0.6	65.20	-44.50	30.92
-600	-300	56956.4	-43.6	-31.9	-66.60	-257.80	63.21
-700	1050	56972.6	-27.4	-2.6	-31.60	10.30	28.96
-700	1025	56945.8	-54.2	-11.7	-48.80	4.40	31.72
-700	1000	57201	201.0	-16.2	-63.10	8.10	50.59
-700	975	57002	2.0	1	-25.40	5.70	59.88
-700	950	57007.7	7.7	3.9	8.40	-3.50	57.78
-700	925	56933.8	-66.2	-2	35.00	-10.70	52.52
-700	900	56950.3	-49.7	3.6	61.60	-5.20	42.96
-700	900	56951.8	-48.2	3.9	60.40	-5.40	43.03
-700	875	56898.3	-101.7	-7.8	40.10	-9.00	31.52
-700	850	57036.1	36.1	10	19.30	-14.70	28.51
-700	825	56972.4	-27.6	-4.2	0.10	-21.60	28.30
-700	800	57002.5	2.5	3.2	-81.60	-64.80	46.83
-700	775	56957.6	-42.4	-7.5	13.10	-3.20	28.19
-700	775	56955.6	-44.4	-6.1	12.90	-3.50	26.68
-700	750	57185.6	185.6	31.1	-8.20	-10.40	33.66
-700	725	57275.7	275.7	47.8	-34.10	-17.30	35.06
-700	700	57050	50.0	-2.8	12.10	-3.40	51.12
-700	675	56995.8	-4.2	15	35.70	-1.90	33.70
-700	650	56929.4	-70.6	0.2	-0.70	-13.30	30.44
-700	625	56948	-52.0	6	0.10	-3.70	34.80
-700	600	56925.9	-74.1	-3.9	-1.70	-1.10	30.05
-700	575	56945.4	-54.6	-50.2	-9.80	-4.40	28.45
-700	550	57178.2	178.2	-10.2	-40.30	-26.20	30.65
-700	525	57098.7	98.7	30	-89.90	-68.60	43.87
-700	500	56885.6	-114.4	-11.3	-15.50	17.10	34.60
-700	475	57065.2	65.2	11.6	-15.30	6.10	43.62
-700	450	57616.7	616.7	128.8	-25.50	2.60	53.61
-700	425	56989.2	-10.8	-6.4	43.70	1.60	58.75
-700	400	57158.7	158.7	-25.3	55.60	6.80	36.56
-700	375	57115.2	115.2	-27.5	30.30	0.70	28.94
-700	375	57119.6	119.6	-28	29.80	0.60	28.89
-700	350	57575.7	575.7	-3.6	7.50	-8.80	27.33
-700	325	57226.6	226.6	6.8	10.10	-1.20	32.43
-700	300	56785	-215.0	-9.5	5.30	0.10	27.70
-700	275	56745.5	-254.5	-4	-11.90	-7.50	29.68
-700	250	56699	-301.0	-7.6	-16.40	-5.90	34.76
-700	225	56794.8	-205.2	5.4	11.60	7.90	36.51
-700	200	56788.6	-211.4	-2.1	13.30	11.70	31.71
-700	175	56822.2	-177.8	7.3	8.40	13.30	31.30
-700	150	56779.1	-220.9	0.7	5.60	16.70	31.75
-700	125	56806.1	-193.9	1.7	8.50	23.50	31.42
-700	100	56827.8	-172.2	3.5	13.90	33.80	30.54
-700	75	56922.3	-77.7	37.3	-14.60	44.00	26.02
-700	50	56784	-216.0	-3	-52.30	48.40	29.71
-700	25	56841.5	-158.5	1.9	61.40	-273.60	42.74
-700	-25	57014.7	14.7	-59.1	24.20	14.80	21.11
-700	-50	57143.1	143.1	-13.4	-11.70	-12.00	19.94
-700	-75	57222.0	222.0	46.4	-4.30	-11.40	19.05
-700	-100	57157.3	157.3	-12.2	2.50	-9.90	19.19
-700	-125	56985.1	-14.9	-43.9	7.70	-8.20	19.18
-700	-150	57388.3	388.3	37.7	11.50	-12.80	19.99

-700	-200	57389.0	389.0	38.2	33.10	-14.50	20.87
-700	-225	57210.3	210.3	23.0	56.20	-14.80	23.68
-700	-250	57036.6	36.6	4.5	47.60	-29.20	31.78
-700	-275	56891.3	-108.7	-4.2	46.90	-58.90	36.86
-700	-300	56858.6	-141.4	-11.4	106.00	-194.90	56.81
-800	1050	57040.3	40.3	-19.7	-37.30	12.10	40.03
-800	1025	57269.2	269.2	24.1	-36.10	7.40	52.33
-800	1000	57088.7	88.7	0.1	-14.60	3.80	54.91
-800	975	57099.2	99.2	7.5	14.50	-3.40	58.66
-800	950	56994.8	-5.2	-1.2	44.70	-5.10	57.66
-800	925	56995.9	-4.1	-8.6	64.20	9.70	37.06
-800	900	57018.7	18.7	0.8	35.20	-1.60	31.06
-800	875	57098.4	98.4	4.5	21.40	-6.00	27.17
-800	850	57064.5	64.5	-3.3	6.90	-13.50	26.40
-800	825	57087.1	87.1	-3	-8.60	-19.80	27.23
-800	800	57136.8	136.8	46.7	-59.10	-40.70	36.11
-800	775	57071.3	71.3	-6	-12.10	-10.50	31.22
-800	750	57302.1	302.1	27.1	-11.40	-5.10	32.06
-800	725	57231.4	231.4	6.7	-4.30	-1.40	34.95
-800	700	57212	212.0	0.3	-18.10	-5.20	36.59
-800	675	57151.8	151.8	2.8	17.80	7.60	39.70
-800	650	57041.2	41.2	-8.9	7.30	5.30	29.13
-800	625	57012.8	12.8	3.1	12.10	12.70	28.46
-800	600	56978.3	-21.7	-4.9	-3.70	1.20	26.93
-800	575	56923.1	-76.9	-8.5	-14.90	-5.00	27.19
-800	550	56955.3	-44.7	-9.1	-31.60	-12.20	28.68
-800	525	57501.3	501.3	77	-66.70	-23.80	34.95
-800	500	57149.7	149.7	2.7	22.60	35.40	54.63
-800	475	56976.1	-23.9	2.1	19.30	5.40	51.72
-800	450	56853.5	-146.5	0.5	18.70	2.50	38.30
-800	425	56800	-200.0	-12.7	7.70	-0.80	40.19
-800	400	57165.4	165.4	18.8	17.10	0.00	35.55
-800	375	56908.9	-91.1	-13.8	27.00	4.00	31.29
-800	350	57259.4	259.4	21	-0.10	-7.50	29.44
-800	325	57193.1	193.1	3.5	-0.30	-2.60	34.69
-800	300	57108.4	108.4	5.7	11.60	2.50	39.21
-800	275	56908.2	-91.8	-5.7	25.10	9.40	38.83
-800	250	56778	-222.0	-2.7	34.90	29.10	31.22
-800	225	56694.3	-305.7	-20.4	20.10	23.90	27.69
-800	200	56778.9	-221.1	-7.3	1.90	9.60	27.25
-800	175	56772.8	-227.2	-16.7	9.60	20.70	27.90
-800	175	56773.6	-226.4	-17	8.80	20.90	28.03
-800	150	56842	-158.0	-6.3	-3.20	14.60	27.00
-800	125	56775.2	-224.8	-3.9	5.00	13.60	26.59
-800	100	56860.9	-139.1	25.4	-26.40	35.00	26.80
-800	75	56821.6	-178.4	-5.3	-99.99	-99.99	-99.99
-800	50	56885.7	-114.3	0.7	-58.10	30.50	30.09
-800	25	56876.4	-123.6	-2.6	-122.60	44.70	39.85
-800	-25	57175.2	175.2	6.2	-80.40	4.50	25.95
-800	-50	56913.4	-86.6	-31.4	-34.50	-2.40	20.45
-800	-75	57070.3	70.3	-6.6	-24.10	-16.40	20.10
-800	-100	57027.3	27.3	-22.2	-8.10	-15.40	18.72
-800	-125	56853.4	-146.6	-19.0	1.90	-14.20	18.48
-800	-150	57264.4	264.4	-28.1	13.00	-11.10	18.78
-800	-175	56997.4	-2.6	-2.0	26.10	-11.20	19.63
-800	-200	57053.1	53.1	0.1	34.70	-14.70	24.95

-800	-225	57025.0	25.0	-0.8	21.20	-23.00	31.38
-800	-250	57036.0	36.0	5.1	-8.00	-57.10	30.31
-800	-275	56997.2	-2.8	-13.3	-102.20	-328.60	54.13
-900	1025	57106.3	106.3	1.7	-19.70	3.70	39.68
-900	1000	57145.2	145.2	8.3	16.30	-4.70	48.19
-900	975	57013.3	13.3	2	60.70	-3.40	30.65
-900	950	56979.4	-20.6	-7.8	24.60	-14.60	22.97
-900	925	57178.4	178.4	3.6	17.50	-10.40	22.99
-900	900	57218	218.0	-1.4	22.20	-4.50	20.38
-900	875	57443.2	443.2	82.7	7.70	-13.30	20.12
-900	850	57145	145.0	-5.5	-12.80	-23.00	22.33
-900	825	57157.1	157.1	-15.9	-10.30	-11.60	29.54
-900	800	57227.4	227.4	-3.8	18.80	2.90	22.06
-900	775	57355.7	355.7	6.3	6.80	-0.40	20.55
-900	750	57528	528.0	2.7	-18.60	-13.40	21.38
-900	725	57469.8	469.8	-2.2	-14.10	-5.20	37.80
-900	700	57476.9	476.9	50	20.20	6.00	23.50
-900	675	57132.6	132.6	-5.3	4.30	-0.40	21.82
-900	650	57059.1	59.1	-3.9	-2.60	-4.40	21.94
-900	625	57663.3	663.3	67	-18.60	-10.20	22.38
-900	600	57044.5	44.5	-12.1	-27.80	-12.90	23.51
-900	575	57144.7	144.7	0.3	-44.60	-19.50	27.79
-900	550	57242.2	242.2	19.5	-22.80	-14.50	37.05
-900	525	57328.5	328.5	26.7	3.00	13.10	30.30
-900	500	57324	324.0	36.2	5.50	3.30	39.26
-900	475	57137.5	137.5	-9.1	50.30	10.60	35.38
-900	450	56908.5	-91.5	-4.4	24.20	4.70	23.51
-900	425	56853.9	-146.1	-7.5	-3.00	-6.50	25.25
-900	400	56884.1	-115.9	-1.5	9.40	0.00	29.38
-900	375	56923.8	-76.2	3.6	23.60	6.10	32.01
-900	350	56951.9	-48.1	2	26.60	9.90	31.39
-900	325	56942.1	-57.9	-32.1	43.30	31.80	26.22
-900	300	56792.3	-207.7	-35.3	27.30	26.60	23.37
-900	275	56719.7	-280.3	-15.6	13.50	19.40	22.72
-900	250	56911.9	-88.1	-6.2	4.80	17.10	22.69
-900	225	57049.6	49.6	-22.2	0.60	17.30	22.91
-900	200	57723.8	723.8	172.7	-7.90	16.80	22.67
-900	175	57173.2	173.2	8.9	-13.30	16.90	22.94
-900	150	56992.3	-7.7	-3.6	-21.00	18.90	23.17
-900	125	56860.9	-139.1	-7.6	-30.00	19.70	23.48
-900	100	56782.4	-217.6	-14.7	-40.70	22.40	24.52
-900	75	57016.2	16.2	-56.6	-58.20	24.20	26.17
-900	50	56674.1	-325.9	-59.7	-95.20	35.30	29.78
-900	25	56934.6	-65.4	5.5	-120.10	433.80	38.74
-900	-25	56942.1	-57.9	-9.8	-60.00	90.80	31.58
-900	-50	57288.4	288.4	8.6	-7.00	31.90	22.52
-900	-75	57702.1	702.1	25.0	-0.90	10.00	22.48
-900	-100	57090.3	90.3	-20.2	2.70	3.10	22.56
-900	-125	57045.6	45.6	-8.8	0.90	-0.70	22.79
-900	-150	56884.9	-115.1	-12.4	1.80	-2.90	23.31
-900	-175	56961.4	-38.6	-3.4	2.80	-3.70	24.76
-900	-200	56970.4	-29.6	0.2	-6.20	-3.20	24.86
-900	-225	56894.6	-105.4	-3.9	0.80	-8.70	22.62
-900	-250	56840.5	-159.5	-4.5	5.40	-22.30	24.96
-900	-275	56795.1	-204.9	-13.6	14.20	-65.50	27.20
-1000	1050	57083.9	83.9	-3.1	26.70	-10.70	36.67

-1000	1025	57061.6	61.6	2.5	52.80	-1.00	28.45
-1000	1000	57020	20.0	-8.4	40.60	2.30	21.82
-1000	975	57144	144.0	1.2	28.40	-4.70	20.72
-1000	950	57067.3	67.3	-4.2	19.90	-8.60	20.25
-1000	925	57125.6	125.6	4.7	12.00	-10.90	19.91
-1000	900	57218.5	218.5	11.8	1.50	-15.70	19.68
-1000	875	57327.5	327.5	7.8	-15.40	-20.80	21.82
-1000	850	57381.6	381.6	-5.6	-1.30	-8.20	26.00
-1000	825	57809.2	809.2	19.1	0.00	-6.90	26.37
-1000	825	57889.5	889.5	31.9	0.50	-5.70	26.77
-1000	825	57919.2	919.2	48	4.50	-4.10	27.21
-1000	800	57686.5	686.5	-10.5	9.20	-2.10	23.38
-1000	775	58018.9	1018.9	-25.2	-11.70	-11.40	20.69
-1000	750	58634.3	1634.3	79	-13.20	-6.50	30.12
-1000	737	58041	1041.0	8.6	6.60	0.90	24.56
-1000	725	57689.2	689.2	-8.8	6.60	0.90	22.83
-1000	713	57564.2	564.2	-20.1	4.60	0.30	20.61
-1000	700	57355	355.0	-15.2	0.30	-1.40	20.51
-1000	688	57633.9	633.9	108.1	-3.60	-3.80	20.31
-1000	675	57182.8	182.8	-6	-8.30	-6.10	21.07
-1000	650	57119.9	119.9	-10.7	-13.00	-7.30	21.54
-1000	625	57593.3	593.3	70.2	-17.60	-8.20	21.91
-1000	600	57021.3	21.3	-28.2	-27.80	-11.80	23.69
-1000	575	57281.3	281.3	-3	-31.00	-11.90	27.04
-1000	550	57306.5	306.5	6.4	-25.30	-8.30	32.17
-1000	525	57057.6	57.6	-7.3	-14.50	-14.70	37.91
-1000	500	57173.4	173.4	56	40.80	16.50	30.18
-1000	475	56830.3	-169.7	-10.2	0.10	0.40	21.86
-1000	450	56855.5	-144.5	-3.9	1.90	0.70	27.74
-1000	425	56847.1	-152.9	-3.2	22.00	8.40	24.62
-1000	400	56833.3	-166.7	-15.5	20.20	9.80	21.30
-1000	375	57079.4	79.4	9.1	0.20	-0.50	18.44
-1000	350	56824.1	-175.9	-6.4	-17.30	-10.40	19.92
-1000	350	56822.3	-177.7	-5.6	-17.80	-10.40	19.91
-1000	325	56881.4	-118.6	4.9	-41.80	-23.40	21.51
-1000	300	56836.6	-163.4	-2.3	-1.50	9.70	19.82
-1000	275	56749.4	-250.6	-34.2	10.20	15.20	17.38
-1000	250	56826.9	-173.1	-39.2	4.40	12.00	17.29
-1000	225	57151.4	151.4	40.7	-6.00	9.10	17.35
-1000	200	56978.4	-21.6	-38.1	-11.10	11.30	17.47
-1000	175	57635.7	635.7	59.5	-17.70	10.90	17.39
-1000	150	57425.5	425.5	25.4	-36.90	4.50	18.22
-1000	125	57145.3	145.3	4.2	-17.40	11.80	19.92
-1000	100	56974.6	-25.4	-8.4	-10.90	22.80	20.62
-1000	75	56928.9	-71.1	8.2	-20.80	24.10	19.88
-1000	50	56797.2	-202.8	-5	-32.00	31.40	20.35
-1000	25	56809.2	-190.8	-10.6	-79.40	62.20	22.91
-1000	-25	56665.8	-334.2	-6.5	-31.90	44.10	21.68
-1000	-50	56841.2	-158.8	-21.3	3.80	22.70	18.26
-1000	-75	57351.3	351.3	-220.4	27.10	26.20	18.79
-1000	-100	57585.5	585.5	-35.8	39.40	17.10	25.45
-1000	-125	57325.5	325.5	-4.0	20.20	6.30	32.05
-1000	-150	57131.3	131.3	-14.3	-17.80	2.80	31.32
-1000	-175	57163.6	163.6	-34.3	-33.80	-3.90	24.61
-1000	-200	57479.7	479.7	-29.7	-13.20	-3.80	19.26
-1000	-225	57659.5	659.5	-26.0	8.40	-5.90	18.63

-1000	-250	57039.5	39.5	-15.1	24.90	-33.10	19.40
-1000	-275	56915.0	-85.0	-49.6	-46.90	-154.90	34.64
-1100	1025	56994.8	-5.2	-11	31.30	-10.40	21.50
-1100	1012.	57054.9	54.9	-25.2	48.40	1.70	17.64
-1100	1000	57316	316.0	28.9	38.00	-2.60	15.56
-1100	987.5	57258.5	258.5	-14.3	28.60	-8.00	15.05
-1100	975	57390.8	390.8	1.4	-99.99	-99.99	-99.99
-1100	962.5	57498.6	498.6	3.6	17.00	-12.70	14.66
-1100	950	57272.3	272.3	-23.9	15.90	-12.90	14.70
-1100	937.5	57700.5	700.5	46.6	10.50	-14.00	14.76
-1100	925	58053.3	1053.3	31.5	7.70	-16.20	14.46
-1100	912.5	57772.1	772.1	20	2.10	-17.40	15.13
-1100	900	57582.4	582.4	0.4	0.50	-18.20	14.73
-1100	887.5	57499.9	499.9	-43.7	-3.40	-19.30	15.19
-1100	875	57944.3	944.3	51.5	-6.10	-18.70	15.19
-1100	862.5	57588.3	588.3	-17.7	-10.40	-19.40	15.48
-1100	850	57413.8	413.8	-45.5	-20.60	-27.10	16.15
-1100	837.5	57557.6	557.6	-55.6	-28.50	-19.60	22.59
-1100	825	58168.7	1168.7	20.9	-1.50	-6.80	24.92
-1100	812.5	58359.7	1359.7	25	19.40	0.10	23.03
-1100	800	58049	1049.0	-28.5	33.20	6.50	17.45
-1100	775	58962	1962.0	99.1	0.80	-5.40	19.85
-1100	750	57926.1	926.1	-11.7	9.50	0.30	16.63
-1100	725	57223.9	223.9	-21.8	0.80	-2.80	15.33
-1100	700	57208.8	208.8	-9.2	-5.20	-5.40	15.73
-1100	700	57206.4	206.4	-9.1	-6.10	-5.00	15.86
-1100	675	57108.7	108.7	-15.8	-11.50	-7.30	16.37
-1100	650	57308.3	308.3	-81.1	-17.10	-9.40	17.25
-1100	625	57322	322.0	-33.1	-31.30	-12.70	19.79
-1100	600	57354	354.0	32	-1.50	-3.20	20.31
-1100	575	57160.2	160.2	-58.4	-18.10	-9.60	17.98
-1100	550	57279.7	279.7	37.4	7.40	-2.10	20.24
-1100	525	57074.2	74.2	-1.1	-52.90	-30.30	20.26
-1100	500	56955.3	-44.7	-2	28.30	12.20	17.80
-1100	475	56811.8	-188.2	-11.7	11.50	4.10	16.75
-1100	450	56892.5	-107.5	-7	-13.70	-2.30	18.74
-1100	300	56990.1	-9.9	11.2	11.00	6.90	18.06
-1100	275	56994.1	-5.9	-25.9	-99.99	-99.99	-99.99
-1100	250	56978.8	-21.2	-12.8	-99.99	-99.99	-99.99
-1100	225	57000.5	0.5	-62.7	-99.99	-99.99	-99.99
-1100	200	57370.8	370.8	55.5	-17.80	1.60	16.52
-1100	175	57617.9	617.9	12	-21.80	2.70	18.09
-1100	150	57906.6	906.6	0.8	-18.50	7.20	19.86
-1100	125	57910.2	910.2	15.9	-2.50	17.00	21.40
-1100	100	57504.6	504.6	12.3	0.00	25.40	18.61
-1100	75	57156.8	156.8	-14.7	-8.20	28.90	19.30
-1100	50	59350.2	2350.2	268.1	-32.20	45.40	18.50
-1100	25	57593	593.0	-26.4	231.90	30.20	26.00
-1100	-25	56751.1	-248.9	19.8	-126.60	127.30	49.46
-1100	-50	56757.6	-242.4	-6.3	3.50	46.40	19.53
-1100	-75	56866.6	-133.4	-3.6	23.50	22.70	20.46
-1100	-100	57255.6	255.6	8.6	18.30	10.50	25.04
-1100	-125	58011.5	1011.5	63.7	1.40	7.00	25.22
-1100	-150	57468.9	468.9	7.1	-7.80	3.40	26.29
-1100	-175	57223.6	223.6	-40.2	-12.60	1.00	22.85
-1100	-200	57351.2	351.2	-37.8	-12.90	-3.10	19.53

-1100	-225	57789.0	789.0	32.5	0.40	-9.60	18.50
-1100	-250	57598.1	598.1	-5.3	19.40	-18.50	17.29
-1100	-275	57552.4	552.4	-14.9	56.60	-94.40	23.57
-1200	1037	57014.3	14.3	-27.8	48.80	6.70	15.96
-1200	1025	57138.9	138.9	-0.7	38.30	-1.00	14.61
-1200	1012	57160.4	160.4	-57.6	32.30	-3.40	14.24
-1200	1000	57477.3	477.3	54.5	26.50	-6.50	14.02
-1200	987	57472.8	472.8	-19.3	22.70	-8.70	14.05
-1200	975	57807	807.0	61.2	18.10	-10.30	13.85
-1200	963	57438.8	438.8	-87.2	13.20	-11.60	14.09
-1200	950	58148.4	1148.4	47.6	12.30	-10.20	14.22
-1200	938	58656.2	1656.2	160.9	7.60	-11.70	13.95
-1200	925	58084.6	1084.6	-14.2	3.70	-13.20	14.35
-1200	913	58041.7	1041.7	-30.9	0.00	-14.50	14.83
-1200	900	58337.7	1337.7	113.4	1.20	-12.50	14.25
-1200	888	57999.1	999.1	-11.3	-0.40	-13.80	14.81
-1200	875	58351.1	1351.1	-151	-5.30	-17.30	14.68
-1200	863	58460.9	1460.9	21.5	-99.99	-99.99	-99.99
-1200	850	58760	1760.0	57.5	-99.99	-99.99	-99.99
-1200	838	58524.2	1524.2	32	-20.90	-15.20	22.15
-1200	825	58355.5	1355.5	-11.5	22.40	8.80	16.73
-1200	813	58203	1203.0	2.3	2.30	-7.70	15.34
-1200	800	58417	1417.0	72.7	-12.20	-16.60	16.75
-1200	788	58265.2	1265.2	7.4	-99.99	-99.99	-99.99
-1200	775	58785.5	1785.5	57.5	-99.99	-99.99	-99.99
-1200	763	58744.7	1744.7	126.5	-99.99	-99.99	-99.99
-1200	750	57645.3	645.3	-28.3	-99.99	-99.99	-99.99
-1200	738	57448.3	448.3	7.5	-99.99	-99.99	-99.99
-1200	725	57213.8	213.8	-38.9	-99.99	-99.99	-99.99
-1200	713	57303.5	303.5	1.8	-34.20	-26.10	16.82
-1200	700	57189.6	189.6	-1.1	-31.40	-14.50	21.91
-1200	675	57073.2	73.2	-2.9	-9.70	-5.70	24.64
-1200	650	56955.4	-44.6	-1.7	22.70	3.30	22.41
-1200	625	56818.2	-181.8	-5.6	51.10	-25.60	5.12
-1200	600	56915.8	-84.2	3.9	-102.40	25.50	2.55
-1200	575	57151.2	151.2	35.1	2.90	-0.30	14.88
-1200	550	56918.7	-81.3	-6.1	-6.10	-4.60	15.73
-1200	525	56835.4	-164.6	-5.2	-11.30	-7.70	16.66
-1200	500	56823.7	-176.3	-7	-11.30	-2.50	17.52
-1200	475	57031.9	31.9	8.3	8.80	10.40	16.13
-1200	450	57124.1	124.1	3.7	-11.40	2.40	14.36
-1200	425	57088.9	88.9	7.9	-25.20	-2.90	14.43
-1200	400	57241	241.0	1	-73.90	-12.70	18.71
-1200	375	57459.3	459.3	1.5	-6.90	16.30	15.64
-1200	350	56891.8	-108.2	-62	-38.20	48.70	14.17
-1200	325	57250.5	250.5	-6.8	23.50	-36.70	20.30
-1200	300	57649.4	649.4	7.7	37.70	10.40	15.14
-1200	275	57266.8	266.8	-38.2	14.40	7.60	13.46
-1200	250	56996.3	-3.7	-11.4	1.10	6.00	13.59
-1200	225	56851.6	-148.4	-15.4	-7.80	7.50	13.72
-1200	200	57652.6	652.6	122.7	-23.20	2.00	14.57
-1200	175	58595.5	1595.5	42.6	-14.50	12.30	15.49
-1200	150	57471.3	471.3	62.3	-21.10	15.90	15.63
-1200	125	56918.2	-81.8	-55.5	-10.90	18.10	16.15
-1200	100	57094.3	94.3	-109.5	-18.90	23.10	15.85
-1200	75	58044.3	1044.3	53.7	-32.60	29.50	16.21

-1200	50	57848.2	848.2	37.7	-50.70	37.10	18.19
-1200	25	57517.2	517.2	22.7	-129.20	93.30	18.87
-1200	-25	57023.0	23.0	-7.7	-15.80	142.10	26.16
-1200	-48	57022.3	22.3	-7.2	-10.10	145.60	25.98
-1200	-71	57022.9	22.9	-8.1	3.90	-143.50	26.15
-1200	-94	56920.8	-79.2	-6.3	6.90	-29.10	21.81
-1200	-117	56891.7	-108.3	-4.0	5.50	-10.70	23.89
-1200	-140	56885.8	-114.2	-1.8	6.00	-3.20	24.26
-1200	-163	56892.9	-107.1	-3.2	-2.70	-0.80	23.89
-1200	-186	56899.3	-100.7	-14.2	14.70	5.00	24.43
-1200	-209	57022.3	22.3	10.0	7.90	7.90	23.21
-1200	-232	56976.2	-23.8	6.8	17.90	15.90	23.51
-1200	-255	56817.4	-182.6	-12.5	3.50	25.90	18.36
-1200	-278	56826.1	-173.9	0.5	-31.60	28.60	19.51
-1200	-301	56827.6	-172.4	-6.5	-144.50	81.70	40.92
-1300	1050	59753.3	2753.3	869.3	43.90	8.00	20.71
-1300	1025	57723.4	723.4	-56.1	33.80	-0.10	19.07
-1300	1000	57952.3	952.3	3.2	18.40	-7.10	19.51
-1300	975	58046.8	1046.8	-21.1	8.30	-7.40	19.62
-1300	950	57806.6	806.6	-41.9	8.10	-4.90	19.46
-1300	925	57674.1	674.1	-61.0	3.30	-5.10	21.88
-1300	900	57251.6	251.6	-289.8	-0.90	-10.80	20.92
-1300	875	58136.2	1136.2	-27.6	-14.70	-18.50	23.88
-1300	850	58241.5	1241.5	-24.7	12.10	3.00	22.67
-1300	825	58337.5	1337.5	-4.1	6.60	-3.30	24.72
-1300	800	58678.9	1678.9	81.4	-99.99	-99.99	-99.99
-1300	775	58079.3	1079.3	53.7	-8.50	-16.50	19.55
-1300	750	57255.3	255.3	-32.6	-99.99	-99.99	-99.99
-1300	725	57170.2	170.2	-5.4	-28.80	-14.80	27.78
-1300	700	57090.9	90.9	-5.8	-6.80	-2.20	31.46
-1300	675	56995.8	-4.2	-2.8	18.20	5.70	30.93
-1300	650	56860.1	-139.9	-13.0	24.60	11.00	22.65
-1300	625	56882.2	-117.8	-15.8	11.70	7.80	20.57
-1300	600	57229.1	229.1	46.0	-3.80	0.50	20.82
-1300	575	56807.3	-192.7	-18.3	-17.30	-1.80	22.31
-1300	550	56779.9	-220.1	-11.5	-32.50	3.50	26.69
-1300	525	57355.2	355.2	77.7	47.70	19.60	22.08
-1300	500	57985.1	985.1	170.0	26.50	17.20	20.03
-1300	475	57278.4	278.4	3.5	10.40	11.20	19.30
-1300	450	57089.1	89.1	-64.0	-8.70	-1.50	20.08
-1300	425	57647.3	647.3	2.1	-11.40	6.00	23.47
-1300	400	56863.2	-136.8	-63.5	-99.99	-99.99	-99.99
-1300	375	57476.8	476.8	23.4	10.80	-51.90	21.00
-1300	350	57647.6	647.6	54.1	16.70	-5.00	22.52
-1300	325	58973.2	1973.2	361.2	-99.99	-99.99	-99.99
-1300	300	56865.9	-134.1	-40.4	-99.99	-99.99	-99.99
-1300	275	56806.0	-194.0	-22.3	-99.99	-99.99	-99.99
-1300	250	57177.2	177.2	-97.1	-99.99	-99.99	-99.99
-1300	225	57761.5	761.5	-10.7	-99.99	-99.99	-99.99
-1300	200	57550.3	550.3	-8.1	-4.50	23.20	22.05
-1300	175	57047.5	47.5	-36.6	-29.10	20.80	18.77
-1300	150	56829.1	-170.9	-17.1	-99.99	-99.99	-99.99
-1300	125	56730.0	-270.0	-36.2	-99.99	-99.99	-99.99
-1300	-25	56779.4	-220.6	-14.5	-55.50	86.40	27.26
-1300	-50	56828.3	-171.7	-0.9	-11.90	15.20	28.39
-1300	-75	56817.3	-182.7	-3.1	-19.90	6.70	24.26

-1300	-100	56824.2	-175.8	0.3	-10.50	1.10	19.44
-1300	-125	56830.6	-169.4	1.7	13.50	1.70	21.82
-1300	-150	56783.3	-216.7	-8.3	13.70	-2.30	25.42
-1300	-175	56956.5	-43.5	12.4	-2.90	-5.30	27.13
-1300	-200	57020.8	20.8	16.6	-5.90	-11.00	19.70
-1300	-225	57008.1	8.1	0.5	4.10	-18.30	20.67
-1300	-250	57113.4	113.4	16.0	21.20	-42.40	21.64
-1300	-275	56917.2	-82.8	-19.6	164.20	-194.90	56.72
-1375	1062.	58728.8	1728.8	111.8	44.60	6.10	21.29
-1375	1039	57956.7	956.7	-65.2	28.90	-1.40	19.38
-1375	1015.	58296.4	1296.4	0.3	19.40	-4.90	19.16
-1375	992	57850.1	850.1	-93.6	8.60	-5.00	19.21
-1375	968.5	58167.1	1167.1	165.2	4.10	-5.60	19.62
-1375	945	57574.3	574.3	-58.1	4.90	-2.80	20.61
-1375	921.5	57977.7	977.7	-16.9	-1.20	-8.70	20.45
-1375	898	58519.5	1519.5	-81.2	-2.10	-13.30	21.29
-1375	874.5	59591.2	2591.2	193.9	-4.60	-13.30	21.58
-1375	851	59732.2	2732.2	147.9	0.00	-9.40	22.19
-1375	827.5	59661.6	2661.6	174.5	-2.70	-11.20	21.93
-1375	804	58248.8	1248.8	-76.6	6.70	-5.90	21.06
-1375	780.5	57246.3	246.3	-17.5	-5.80	-7.20	25.54
-1375	757	57139.5	139.5	-15.8	28.70	5.40	22.25
-1375	733.5	57163.3	163.3	-5.9	8.40	-3.10	17.03
-1375	710	56930.2	-69.8	-7.7	-16.40	-13.60	20.42
-1375	686.5	56889.9	-110.1	-15.2	-20.60	-11.40	21.93
-1375	663	56877.0	-123.0	-3.1	0.10	0.20	20.02
-1375	639.5	56809.2	-190.8	-1.6	-7.10	-2.40	23.03
-1375	616	56788.3	-211.7	2.1	-14.00	-4.20	18.68
-1375	592.5	56764.8	-235.2	-3.0	-38.90	-1.40	21.02
-1375	569	56685.8	-314.2	-25.6	94.10	17.60	28.42
-1375	545.5	55962.0	-1038.0	-160.6	45.60	12.50	20.61
-1375	522	57545.5	545.5	32.5	19.30	-0.20	18.70
-1375	498.5	58009.7	1009.7	132.4	15.70	8.40	17.13
-1375	475	57600.8	600.8	45.8	1.40	1.60	16.49
-1375	462.5	57271.1	271.1	-26.2	-9.00	-3.50	17.06
-1375	450	57155.0	155.0	-38.3	-1.10	7.30	18.53
-1375	437.5	57598.3	598.3	20.0	-12.70	1.90	16.95
-1375	425	57707.8	707.8	38.8	-27.70	-1.40	18.55
-1375	412.5	57479.8	479.8	-0.4	-15.80	11.80	23.16
-1375	400	57146.5	146.5	-61.9	-5.30	31.30	19.44
-1375	387.5	57130.4	130.4	-47.6	-37.70	51.20	16.80
-1375	375	57412.0	412.0	-28.0	17.80	38.40	15.43
-1375	362.5	57302.3	302.3	-11.5	32.50	-32.30	19.29
-1375	350	57138.5	138.5	-22.6	23.70	-16.30	18.63
-1375	337.5	57092.8	92.8	-44.4	10.40	-13.10	20.30
-1375	325	57222.6	222.6	-83.9	21.50	2.30	20.75
-1375	312.5	57527.3	527.3	39.9	21.00	7.30	18.46
-1375	300	57108.2	108.2	-146.9	14.30	7.10	16.91
-1375	287.5	58224.6	1224.6	178.0	1.50	0.00	16.26
-1375	275	57254.4	254.4	-73.7	-4.00	1.80	17.31
-1375	262.5	56976.9	-23.1	-23.0	-13.10	-2.50	17.59
-1375	250	56898.0	-102.0	-23.5	-24.40	-10.30	18.86
-1375	237.5	56916.1	-83.9	-19.6	-23.90	-6.10	23.51
-1375	225	57097.1	97.1	27.1	8.30	8.20	25.43
-1375	212.5	57090.0	90.0	19.8	15.70	18.50	19.02
-1375	200	56875.7	-124.3	-15.6	-0.90	13.30	17.49

-1375	187.5	56730.0	-270.0	-64.9	-12.70	7.70	17.44
-1375	175	57462.5	462.5	182.0	-10.80	10.90	20.20
-1375	162.5	57528.2	528.2	65.8	-16.50	10.90	19.62
-1375	150	57343.3	343.3	6.9	-8.50	16.50	20.68
-1375	137.5	57279.6	279.6	25.8	-8.80	24.80	18.01
-1375	125	56952.3	-47.7	-28.7	-23.60	20.20	17.77
-1375	112.5	56874.8	-125.2	-8.4	-28.80	20.50	18.02
-1375	100	56838.5	-161.5	-12.8	-38.60	15.90	18.72
-1375	87.5	56861.8	-138.2	-12.0	-41.40	20.70	19.94
-1375	75	56910.5	-89.5	-2.3	-48.50	21.30	19.74
-1400	-25	56946.0	-54.0	-55.7	-141.80	102.80	42.43
-1400	-50	56997.2	-2.8	-4.3	93.30	-26.30	27.72
-1400	-75	57150.9	150.9	21.0	30.40	-10.60	17.29
-1400	-100	56955.4	-44.6	3.5	-5.70	-12.50	16.66
-1400	-125	56986.0	-14.0	20.9	-37.00	-13.30	19.93
-1400	-150	56886.6	-113.4	-10.9	-38.20	-1.70	29.30
-1400	-175	56842.2	-157.8	-5.0	-6.60	3.30	29.49
-1400	-200	56879.1	-120.9	1.4	4.80	6.00	24.96
-1400	-225	56941.9	-58.1	7.6	5.90	17.40	19.51
-1400	-250	57005.2	5.2	-22.9	-36.50	19.20	19.17
-1400	-275	57046.3	46.3	-22.4	-120.10	69.00	37.92
-1425	-25	56942.8	-57.2	-29.4	116.90	-96.70	35.98
-1425	-50	56988.4	-11.6	-9.7	92.70	-12.40	24.46
-1425	-75	57102.6	102.6	9.1	38.20	-9.10	16.96
-1425	-100	56943.7	-56.3	-0.3	-1.20	-12.30	15.54
-1425	-125	56990.6	-9.4	47.3	-39.50	-18.90	18.94
-1425	-150	56846.6	-153.4	-14.0	-39.00	-5.70	26.33
-1425	-175	56847.7	-152.3	-0.3	-1.20	3.20	28.60
-1425	-200	56868.0	-132.0	1.5	12.20	8.00	23.71
-1425	-225	56947.3	-52.7	12.9	12.60	15.20	19.35
-1425	-250	56930.1	-69.9	-29.3	-28.70	22.50	17.39
-1425	-275	57047.7	47.7	-20.0	-100.70	149.10	41.89

May 17, 1991

Part B

Line 0 - 12 w
Stat 1075 - 2175 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gammas

VLF Cuttler Orientation striking grid at 85 degrees
VIP = Veritcal In Phase with Total Field Amplitude %
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Units
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
0	2150	56965.5	-34.5	-4.8	-14.5	23.0	27.9
0	2125	56947.8	-52.2	-2.5	0.6	19.6	25.7
0	2100	56972.8	-27.2	-2.1	3.0	9.9	23.3
0	2075	57016.9	16.9	-0.8	3.5	6.7	22.3
0	2050	57074.3	74.3	-0.1	0.9	8.0	21.9
0	2025	57126.7	126.7	1.0	2.3	4.5	21.6
0	2000	57161.6	161.6	1.1	3.2	6.4	21.7
0	1975	57157.8	157.8	-0.6	1.7	-0.8	21.1
0	1950	57161.1	161.1	1.1	-0.2	-2.9	21.2
0	1925	57173.3	173.3	2.2	-0.4	-3.5	21.3
0	1900	57172.1	172.1	3.7	1.1	-4.2	21.4
0	1875	57156.6	156.6	1.4	2.0	-4.3	21.0
0	1850	57116.8	116.8	1.5	-1.6	-2.4	20.7
0	1825	57068.9	68.9	1.3	-7.0	-1.4	21.4
0	1800	57047.4	47.4	5.0	-7.0	-3.3	23.6
0	1775	57047.3	47.3	36.8	52.7	-13.7	30.0
0	1740	57001.3	1.3	0.8	7.4	-22.0	16.5
0	1700	56972.3	-27.7	1.6	8.3	-20.3	16.1
0	1660	56843.2	-156.8	-9.0	13.0	-20.4	15.0
0	1620	56881.4	-118.6	-58.5	6.7	-22.5	10.1
0	1580	57035.0	35.0	-18.2	-7.6	-22.3	10.8
0	1540	56957.4	-42.6	-8.3	-22.8	-31.7	11.1
0	1500	57216.9	216.9	6.4	-27.4	-9.7	15.2
0	1475	57173.2	173.2	4.7	-7.8	-6.4	15.7
0	1450	57128.8	128.8	-1.2	0.2	-6.0	15.1
0	1425	57164.4	164.4	-0.2	1.8	-5.2	13.9
0	1400	57232.4	232.4	3.4	-4.1	-4.9	13.2
0	1375	57249.6	249.6	-1.2	-15.6	-4.0	13.7
0	1350	57213.6	213.6	0.5	-18.5	4.9	15.7
0	1325	57265.7	265.7	7.3	-8.7	6.0	17.3
0	1300	57266.2	266.2	-2.9	1.3	4.6	17.9
0	1275	57186.0	186.0	1.8	2.0	-0.9	18.4
0	1250	57125.6	125.6	1.4	1.8	-6.0	18.4
0	1225	57091.7	91.7	9.1	2.4	-8.2	17.5
0	1200	57078.7	78.7	6.2	-4.3	-8.9	16.6
0	1175	57057.2	57.2	-0.4	-4.0	-11.2	16.2

0	1150	57058.8	58.8	4.1	-3.4	-10.5	16.7
0	1125	57039.5	39.5	12.8	5.1	-18.5	17.3
-100	2150	56827.0	-173.0	2.1	0.5	18.6	23.0
-100	2125	56888.0	-112.0	3.3	5.6	13.0	22.5
-100	2100	56941.8	-58.2	-0.8	3.5	7.6	21.6
-100	2075	56985.1	-14.9	3.4	1.5	4.6	21.3
-100	2050	57026.1	26.1	4.1	-1.8	4.7	21.9
-100	2025	57056.0	56.0	0.5	0.4	1.8	21.7
-100	2000	57091.8	91.8	1.0	0.2	1.8	21.7
-100	1975	57125.8	125.8	3.7	-0.8	1.6	21.7
-100	1950	57151.8	151.8	6.4	-0.5	0.0	21.6
-100	1925	57166.0	166.0	4.0	-1.7	-1.8	21.5
-100	1900	57192.3	192.3	5.8	-2.0	-1.2	22.0
-100	1875	57198.2	198.2	5.9	-0.8	-1.8	22.0
-100	1850	57203.6	203.6	2.0	0.5	-3.0	22.0
-100	1825	57190.7	190.7	5.2	0.8	-4.1	21.6
-100	1800	57155.7	155.7	4.8	-4.9	-4.4	21.2
-100	1775	57076.0	76.0	4.1	-10.7	-6.3	24.2
-100	1750	57056.5	56.5	3.7	-6.6	-10.2	28.0
-100	1725	57036.5	36.5	4.8	20.1	-33.2	30.9
-100	1700	56911.4	-88.6	-4.4	38.0	-29.2	31.2
-100	1675	56941.3	-58.7	0.5	73.9	-15.0	19.2
-100	1650	57015.0	15.0	32.4	44.1	-25.4	16.9
-100	1625	56868.5	-131.5	-5.4	26.2	-27.2	15.1
-100	1600	56892.8	-107.2	-18.3	4.8	-33.8	15.1
-100	1575	57282.6	282.6	29.8	-26.9	-36.3	17.7
-100	1550	57280.3	280.3	-6.8	-25.5	-15.9	15.9
-100	1525	57478.2	478.2	15.6	-22.9	-9.4	23.7
-100	1500	57136.1	136.1	-8.7	9.8	-4.3	22.5
-100	1475	57039.0	39.0	-12.3	33.2	4.4	21.4
-100	1450	57170.2	170.2	16.8	12.3	3.5	14.9
-100	1425	57035.1	35.1	-16.0	-0.5	3.3	22.6
-100	1400	57011.8	11.8	-4.8	15.9	21.5	14.2
-100	1375	57079.1	79.1	-4.5	-4.5	16.4	13.2
-100	1350	57246.2	246.2	4.8	-18.3	15.7	13.2
-100	1325	57141.7	141.7	0.0	-40.5	22.0	13.9
-100	1300	57148.5	148.5	13.1	-71.9	18.3	17.4
-100	1275	57065.5	65.5	5.2	-53.9	21.5	21.3
-100	1250	57004.7	4.7	3.1	-30.9	20.7	25.0
-100	1225	57024.4	24.4	-1.0	-9.9	18.6	24.3
-100	1200	56971.4	-28.6	-6.9	0.9	16.8	20.1
-100	1175	56960.1	-39.9	4.2	-4.8	1.6	18.0
-100	1150	57008.6	8.6	0.2	-1.5	-2.7	17.6
-100	1125	57050.5	50.5	7.3	0.2	-6.7	17.4
-100	1100	57042.6	42.6	6.5	4.8	-10.8	16.9
-200	2125	57114.8	114.8	-1.8	2.7	3.3	14.9
-200	2100	57105.2	105.2	-2.8	2.2	1.9	14.6
-200	2075	57097.8	97.8	2.3	2.0	1.7	14.2
-200	2050	57096.0	96.0	1.7	0.3	3.2	14.1
-200	2025	57102.2	102.2	1.8	-1.2	2.2	14.3
-200	2000	57103.5	103.5	0.3	0.8	-1.4	14.0
-200	1975	57148.0	148.0	0.0	-0.4	-1.1	14.0
-200	1950	57178.3	178.3	2.6	-1.1	-1.5	14.1
-200	1925	57204.5	204.5	4.1	-1.2	-1.4	14.1
-200	1900	57212.6	212.6	4.2	0.2	-1.8	14.2
-200	1875	57215.4	215.4	3.2	1.2	-4.5	13.9

-200	1875	57238.2	238.2	3.8	-4.1	-4.6	13.7
-200	1850	57414.8	414.8	51.8	-7.6	-5.1	14.4
-200	1830	57215.7	215.7	-5.6	-12.6	-2.7	14.6
-200	1810	57165.0	165.0	-14.1	22.5	-22.7	21.8
-200	1790	57116.9	116.9	1.5	-0.8	-24.1	22.0
-200	1770	57072.0	72.0	-0.7	3.9	-23.7	25.3
-200	1750	56965.2	-34.8	0.2	22.3	-21.2	28.8
-200	1725	56861.5	-138.5	-55.3	73.6	-10.6	21.6
-200	1700	56829.0	-171.0	-24.5	38.9	-22.2	15.6
-200	1675	57054.6	54.6	-53.5	24.9	-21.5	15.4
-200	1650	56947.3	-52.7	-16.4	16.0	-18.8	14.6
-200	1625	57004.0	4.0	-10.2	4.4	-20.1	14.2
-200	1600	56938.8	-61.2	-70.2	-6.0	-21.3	14.1
-200	1575	57359.4	359.4	-85.1	-20.2	-24.0	14.4
-200	1550	57824.2	824.2	-48.1	-40.8	-30.9	15.6
-200	1525	57754.9	754.9	-4.2	-49.2	-16.4	25.8
-200	1500	57502.7	502.7	31.1	0.1	-1.6	24.5
-200	1475	57712.9	712.9	39.3	35.2	7.1	24.0
-200	1450	57453.3	453.3	-40.0	32.3	16.6	15.7
-200	1425	57346.6	346.6	0.9	15.2	13.9	13.6
-200	1400	57240.3	240.3	2.4	0.0	10.9	13.2
-200	1375	57401.2	401.2	36.6	-10.5	7.7	13.4
-200	1350	57091.4	91.4	-49.8	-25.6	5.8	13.6
-200	1325	57001.8	1.8	-11.1	-42.3	5.5	13.9
-200	1300	56974.1	-25.9	-13.7	-67.7	5.4	15.3
-200	1275	57011.0	11.0	17.9	-89.1	-2.3	21.1
-200	1250	56977.2	-22.8	0.8	-43.2	12.4	28.1
-200	1225	57007.6	7.6	5.2	-16.0	13.3	26.8
-200	1200	57024.9	24.9	7.4	8.8	10.9	22.9
-200	1175	56999.3	-0.7	5.4	19.5	11.8	20.2
-200	1150	56935.5	-64.5	0.0	20.2	16.9	17.4
-200	1125	56889.0	-111.0	-2.4	13.2	26.1	16.2
-200	1100	56863.2	-136.8	-4.5	3.2	25.0	17.9
-200	1075	56944.2	-55.8	-8.6	4.0	8.9	18.7
-300	2125	57098.0	98.0	2.1	4.1	-4.5	16.7
-300	2100	57149.4	149.4	0.5	5.7	-3.6	17.7
-300	2075	57158.6	158.6	1.4	-2.0	2.1	17.9
-300	2050	57148.0	148.0	-2.0	-1.5	0.0	17.4
-300	2025	57136.6	136.6	-2.4	-0.9	0.1	17.2
-300	2000	57124.9	124.9	-1.6	-1.7	-0.1	16.9
-300	1975	57120.8	120.8	-2.6	-2.1	-0.5	17.0
-300	1950	57129.8	129.8	-2.0	-3.1	0.4	17.0
-300	1925	57157.5	157.5	-3.5	-1.8	-0.3	16.9
-300	1900	57202.2	202.2	-2.0	-3.0	-0.5	17.0
-300	1875	57239.0	239.0	-0.8	-0.6	-3.6	16.5
-300	1850	57285.1	285.1	0.8	-1.7	-5.2	16.9
-300	1825	57286.0	286.0	-3.7	-1.3	-2.9	16.5
-300	1800	57301.7	301.7	-1.9	-6.1	-5.5	16.1
-300	1775	57283.1	283.1	4.1	-9.8	-10.0	17.3
-300	1750	57227.1	227.1	4.6	-6.0	-14.9	18.9
-300	1725	57128.1	128.1	4.2	-1.2	-16.0	19.1
-300	1700	57050.8	50.8	1.3	-5.9	-25.2	18.7
-300	1675	57033.4	33.4	3.9	1.1	-27.7	17.9
-300	1650	56973.1	-26.9	-1.3	4.0	-34.0	15.4
-300	1625	56963.9	-36.1	1.1	8.2	-29.7	14.4
-300	1600	56958.4	-41.6	0.0	2.5	-24.9	14.0

-300	1575	56933.2	-66.8	4.5	-2.4	-20.6	13.7
-300	1550	56807.0	-193.0	-5.2	-3.8	-13.8	15.2
-300	1525	56927.9	-72.1	11.8	0.4	-9.2	15.1
-300	1500	57001.3	1.3	8.0	-19.7	-11.1	16.1
-300	1475	57121.9	121.9	-2.5	24.9	4.0	14.5
-300	1450	57118.5	118.5	-7.0	-0.2	-1.6	13.6
-300	1425	57229.7	229.7	6.7	1.6	8.0	11.3
-300	1394	57132.8	132.8	-7.5	-18.5	1.8	12.8
-300	1365	57117.8	117.8	0.7	-10.7	1.2	15.0
-300	1336	57039.7	39.7	1.1	2.9	2.7	17.4
-300	1307	56925.0	-75.0	-1.2	2.3	2.1	18.4
-300	1278	56948.4	-51.6	-1.5	21.8	6.6	18.8
-300	1249	56941.9	-58.1	-2.7	12.0	8.5	17.0
-300	1220	56972.3	-27.7	-3.8	-6.5	5.0	18.9
-300	1191	57077.3	77.3	13.8	34.3	19.3	20.2
-300	1162	56947.0	-53.0	3.0	49.5	56.7	14.8
-300	1133	56904.9	-95.1	2.9	1.3	57.9	13.2
-300	1104	56870.1	-129.9	-5.7	-32.2	47.4	14.7
-300	1075	56923.6	-76.4	2.1	-34.8	32.6	18.2
-400	2050	56913.2	-86.8	-1.7	-1.6	2.9	19.6
-400	2025	56906.0	-94.0	0.0	-5.2	2.0	19.4
-400	2000	56941.3	-58.7	1.5	-5.0	3.7	19.7
-400	1975	57022.1	22.1	4.8	-4.6	4.4	19.6
-400	1950	57093.4	93.4	4.2	-3.8	2.4	19.6
-400	1925	57119.5	119.5	5.1	-2.6	1.4	20.0
-400	1900	57127.0	127.0	5.1	0.0	0.5	19.6
-400	1875	57138.6	138.6	5.2	-1.9	0.1	19.3
-400	1850	57145.3	145.3	4.9	-2.8	0.0	19.4
-400	1825	57114.1	114.1	3.5	-2.5	-1.3	19.4
-400	1800	57090.6	90.6	3.9	-2.4	-1.9	19.1
-400	1775	57118.3	118.3	3.1	-5.7	-2.3	19.1
-400	1750	57244.7	244.7	2.7	-1.3	-4.8	19.7
-400	1730	57343.2	343.2	6.5	-3.0	-4.6	19.0
-400	1705	57382.6	382.6	8.8	-7.7	-1.8	19.5
-400	1690	57390.8	390.8	8.0	-8.3	-2.9	21.7
-400	1675	57379.8	379.8	6.3	-11.1	-7.2	23.7
-400	1655	57355.9	355.9	4.7	-7.2	-17.4	27.3
-400	1635	57308.0	308.0	6.3	3.7	-25.7	30.4
-400	1615	57242.4	242.4	5.9	13.4	-27.8	31.3
-400	1595	57193.7	193.7	3.9	30.0	-26.9	29.5
-400	1575	57095.3	95.3	0.2	46.3	-26.0	19.8
-400	1555	57101.8	101.8	28.6	13.8	-35.4	17.7
-400	1535	57051.4	51.4	4.0	-11.3	-32.6	19.5
-400	1515	57042.1	42.1	1.6	-13.5	-22.9	22.6
-400	1495	57022.9	22.9	2.6	-10.5	-18.3	25.2
-400	1475	57032.5	32.5	5.3	-0.1	-14.9	26.1
-400	1455	56970.6	-29.4	0.4	8.0	-14.0	28.1
-400	1435	56944.5	-55.5	1.8	46.2	-3.2	24.4
-400	1415	56962.0	-38.0	21.1	36.1	1.1	16.6
-400	1395	57233.9	233.9	81.5	21.2	-6.8	15.9
-400	1375	57017.6	17.6	-17.4	1.9	-12.6	15.5
-400	1355	57058.2	58.2	-131.8	-16.0	-18.6	16.3
-400	1335	57325.3	325.3	38.3	-43.0	-17.1	22.7
-400	1315	57018.1	18.1	-6.0	-20.0	-3.8	28.5
-400	1295	56878.8	-121.2	-2.7	9.2	-0.2	33.4
-400	1275	56943.8	-56.2	2.1	49.3	7.2	36.4

-400	1249	56901.1	-98.9	-32.2	59.3	31.1	19.8
-400	1220	57068.7	68.7	7.3	39.3	26.3	16.9
-400	1191	56976.2	-23.8	3.9	24.7	23.5	15.6
-400	1162	56960.9	-39.1	2.5	13.0	19.0	15.2
-400	1133	56949.2	-50.8	2.2	2.6	18.9	14.8
-400	1104	56976.4	-23.6	4.7	-7.7	17.1	14.7
-400	1075	56923.7	-76.3	1.5	-14.3	15.7	14.7
-500	2075	56800.9	-199.1	-6.3	4.9	2.7	18.4
-500	2050	56809.6	-190.4	-2.2	1.4	0.4	18.3
-500	2025	56851.6	-148.4	-1.6	-0.8	-0.6	18.8
-500	2000	56950.7	-49.3	2.1	1.0	-0.1	18.8
-500	1975	57028.3	28.3	3.2	0.2	-1.3	19.1
-500	1950	57080.2	80.2	3.7	3.9	-4.6	19.0
-500	1925	57061.4	61.4	2.0	2.1	-7.9	18.6
-500	1900	57022.1	22.1	2.4	-1.5	-1.7	18.4
-500	1875	56990.5	-9.5	-0.5	-3.5	-1.6	18.8
-500	1850	56969.6	-30.4	-2.1	-1.6	-2.2	19.2
-500	1825	56984.5	-15.5	-2.3	-1.6	-1.7	19.0
-500	1800	57072.6	72.6	0.3	-9.4	0.8	18.9
-500	1775	57214.6	214.6	-2.1	6.6	-5.3	19.4
-500	1750	57457.7	457.7	5.0	-2.9	-3.6	19.8
-500	1725	57591.9	591.9	9.9	-5.4	-3.9	20.5
-500	1700	57605.1	605.1	4.3	-6.7	-12.3	22.4
-500	1675	57637.6	637.6	6.6	-2.7	-21.0	23.9
-500	1650	57610.3	610.3	7.0	0.6	-26.8	23.7
-500	1625	57514.6	514.6	3.3	-2.0	-29.1	22.6
-500	1600	57399.9	399.9	1.1	-2.2	-25.0	23.9
-500	1575	57321.6	321.6	-1.7	4.2	-24.0	25.2
-500	1550	57299.7	299.7	6.9	13.6	-20.0	28.4
-500	1525	57176.7	176.7	-0.8	36.5	-15.9	28.5
-500	1500	57096.2	96.2	-6.7	74.1	-6.6	25.4
-500	1475	57170.0	170.0	12.6	45.8	-5.8	16.6
-500	1450	57000.5	0.5	-14.6	32.1	-9.7	15.4
-500	1425	56832.3	-167.7	-171.8	19.8	-16.0	14.2
-500	1400	57030.3	30.3	-4.4	13.0	-16.0	14.0
-500	1375	57049.1	49.1	1.4	-0.6	-18.5	14.3
-500	1350	57070.8	70.8	-4.7	-11.5	-20.7	15.6
-500	1325	57031.7	31.7	-7.6	-24.6	-28.3	16.4
-500	1300	57033.4	33.4	4.1	-19.1	-5.7	24.7
-500	1275	56995.6	-4.4	1.1	0.5	2.1	23.9
-500	1250	57003.4	3.4	5.5	8.6	3.0	23.9
-500	1225	57006.4	6.4	2.6	36.9	9.1	27.1
-500	1200	56956.3	-43.7	2.4	46.2	28.8	16.7
-500	1175	56909.2	-90.8	2.4	26.2	20.7	15.3
-500	1150	56924.6	-75.4	-6.7	14.4	16.3	14.6
-500	1125	56919.5	-80.5	-22.7	3.5	13.8	14.5
-500	1100	57010.4	10.4	-10.9	-6.8	12.8	14.4
-500	1075	56925.9	-74.1	-12.6	-14.6	12.7	14.5
-600	1800	57424.4	424.4	6.1	-9.1	0.0	20.6
600	1775	57482.7	482.7	7.3	-7.0	-7.3	22.7
-600	1750	57506.4	506.4	6.6	1.9	-19.1	25.7
-600	1725	57555.3	555.3	9.6	15.4	-25.7	26.7
-600	1700	57554.3	554.3	14.6	25.9	-30.2	24.7
-600	1675	57454.3	454.3	4.1	3.3	-32.4	22.4
-600	1650	57403.0	403.0	5.0	-0.9	-23.6	25.3
-600	1625	57342.1	342.1	7.5	0.5	-21.2	27.9

-600	1600	57301.4	301.4	1.4	6.7	-19.6	33.3
-600	1575	57279.4	279.4	6.6	18.6	-18.7	37.7
-600	1550	57245.0	245.0	5.5	31.8	-17.9	39.8
-600	1525	57230.6	230.6	7.6	55.5	-12.8	38.1
-600	1500	57270.2	270.2	9.1	63.1	-2.4	26.6
-600	1475	57088.9	88.9	-7.3	36.2	-4.7	23.2
-600	1446	57162.7	162.7	3.6	18.8	-11.7	21.9
-600	1417	57306.5	306.5	53.9	7.9	-15.0	21.8
-600	1388	57157.4	157.4	15.2	-1.5	-18.2	21.5
-600	1359	57055.9	55.9	3.8	-26.4	-25.5	23.2
-600	1330	57142.7	142.7	16.3	-20.8	-11.9	31.0
-600	1301	57009.1	9.1	-0.4	4.5	0.6	22.2
-600	1272	57046.2	46.2	4.4	10.0	8.5	21.1
-600	1243	57119.9	119.9	36.1	-16.4	-3.3	21.8
-600	1214	56991.9	-8.1	5.8	-27.2	-3.2	22.0
-600	1185	56965.9	-34.1	-4.0	-8.5	4.2	31.6
-600	1156	56988.1	-11.9	2.0	34.2	25.8	24.2
-600	1127	56962.5	-37.5	1.9	10.7	19.8	18.6
-600	1100	56925.3	-74.7	4.1	-3.5	13.7	18.3
-600	1075	56932.4	-67.6	-4.2	-10.9	13.1	18.3
-700	2075	56816.2	-183.8	-45.3	0.2	0.0	24.5
-700	2050	57007.1	7.1	0.1	2.5	-2.5	25.9
-700	2025	57180.5	180.5	-8.8	14.6	-1.1	27.1
-700	2000	57096.6	96.6	-3.0	25.5	4.2	24.6
-700	1975	57016.1	16.1	9.3	-2.3	8.4	19.3
-700	1950	56821.0	-179.0	-15.0	-5.2	6.4	20.2
-700	1925	56943.1	-56.9	-7.7	-10.4	7.2	22.2
-700	1900	57024.6	24.6	3.5	-18.7	11.0	23.8
-700	1875	56890.4	-109.6	-5.2	-14.7	12.6	26.2
-700	1850	56886.0	-114.0	-2.4	-2.4	5.3	26.9
-700	1825	56841.3	-158.7	-6.4	0.5	1.5	24.9
-700	1800	56833.8	-166.2	-8.4	-3.2	-0.5	24.8
-700	1775	56967.8	-32.2	-1.0	-4.1	-2.9	25.5
-700	1750	57125.1	125.1	-1.6	-1.3	-5.6	25.8
-700	1725	57431.9	431.9	10.5	-2.2	-5.3	25.7
-700	1700	57744.3	744.3	30.6	-1.6	1.2	25.6
-700	1675	57605.8	605.8	2.5	-4.7	7.3	26.1
-700	1650	57532.5	532.5	3.5	-6.3	5.6	27.0
-700	1625	57614.8	614.8	-29.7	5.4	-4.1	27.6
-700	1600	57837.5	837.5	11.1	0.0	-11.4	27.9
-700	1575	57593.1	593.1	-6.8	-0.1	-12.8	29.2
-700	1550	57376.8	376.8	-5.5	-7.4	-12.3	29.6
-700	1525	57254.8	254.8	-10.3	1.9	-15.7	34.8
-700	1500	57227.1	227.1	-9.7	19.4	-19.3	35.3
-700	1475	57222.3	222.3	-15.5	32.2	-17.1	31.4
-700	1450	58370.1	1370.1	309.3	55.8	2.5	25.6
-700	1425	57465.4	465.4	86.7	31.0	-7.9	19.9
-700	1400	57096.6	96.6	0.3	12.9	-17.8	19.5
-700	1375	57135.2	135.2	-29.4	24.0	0.2	20.9
-700	1350	57262.0	262.0	-5.6	15.0	-4.7	19.5
-700	1325	57213.9	213.9	1.4	7.9	-5.9	19.7
-700	1300	57153.3	153.3	21.5	4.4	-6.3	19.6
-700	1275	57196.9	196.9	2.0	-1.2	-6.0	19.4
-700	1250	57070.0	70.0	-7.1	-5.0	-7.0	19.5
-700	1225	57060.8	60.8	-1.6	-14.8	-10.9	19.0
-700	1200	57001.6	1.6	-3.2	-28.5	-17.4	20.9

-700	1175	57025.1	25.1	-2.3	-14.3	-0.1	27.1
-700	1150	57004.8	4.8	-11.7	1.8	12.4	21.1
-700	1125	56997.7	-2.3	-4.1	-36.3	-4.6	27.0
-700	1100	57109.3	109.3	-1.5	8.3	16.4	20.8
-700	1075	57033.1	33.1	2.2	-17.6	8.3	19.5
-800	1950	56878.4	-121.6	-16.3	-19.1	5.0	32.7
-800	1925	56910.7	-89.3	4.7	0.5	5.4	30.2
-800	1900	56696.5	-303.5	-15.9	28.6	17.8	20.3
-800	1875	57151.9	151.9	209.6	-7.0	9.4	18.2
-800	1850	56854.5	-145.5	13.1	-13.5	13.7	22.3
-800	1825	56903.4	-96.6	-0.3	-12.1	19.3	27.4
-800	1825	56770.7	-229.3	-1.5	-10.3	12.8	24.8
-800	1800	56770.9	-229.1	1.0	0.7	16.6	25.3
-800	1725	57197.5	197.5	3.2	-2.4	13.3	26.3
-800	1700	57476.4	476.4	16.2	-2.9	11.0	25.4
-800	1675	57372.5	372.5	-0.7	-3.9	6.7	25.2
-800	1650	57418.3	418.3	9.7	-4.2	0.7	25.0
-800	1625	57571.2	571.2	9.1	-5.6	-3.3	25.6
-800	1600	57617.1	617.1	11.3	-4.3	-8.4	26.2
-800	1575	57483.4	483.4	0.9	-5.6	-16.8	28.9
-800	1550	57564.1	564.1	2.5	3.4	-19.5	33.0
-800	1525	57731.5	731.5	20.0	17.8	-19.0	36.9
-800	1500	57396.5	396.5	-16.1	70.2	-8.7	33.1
800	1475	57508.5	508.5	71.8	59.5	-6.0	20.2
800	1450	57440.1	440.1	8.6	38.3	-12.1	18.1
-800	1425	57156.2	156.2	7.4	17.8	-24.6	17.6
-800	1400	57129.5	129.5	-6.5	29.8	-1.2	18.5
-800	1375	57305.9	305.9	-19.2	19.8	-4.9	16.3
-800	1350	57158.3	158.3	-6.0	12.7	-7.0	16.2
-900	1925	56734.3	-265.7	-26.1	14.0	29.7	15.7
-900	1900	56887.3	-112.7	1.6	8.3	22.3	16.4
-900	1875	57139.8	139.8	26.4	-16.2	13.9	19.4
-900	1850	56756.7	-243.3	-80.7	-8.5	31.1	15.8
-900	1825	57806.6	806.6	200.6	-30.1	27.4	15.9
-900	1800	58607.1	1607.1	97.7	-50.5	24.0	17.8
-900	1775	58255.6	1255.6	36.1	-32.1	25.3	24.7
-900	1750	57517.6	517.6	31.5	-39.4	50.5	18.4
-900	1725	56956.4	-43.6	-1.1	-93.5	39.3	29.5
-900	1700	57259.7	259.7	6.6	-7.0	11.2	29.6
-900	1675	57374.1	374.1	6.1	-2.6	0.7	30.9
-900	1650	57434.4	434.4	-2.0	6.0	-11.4	27.2
-900	1625	57500.2	500.2	4.3	6.2	-16.9	25.1
-900	1600	57470.6	470.6	-2.3	5.5	-19.1	24.1
-900	1575	57461.3	461.3	5.2	6.1	-21.6	25.5
-900	1550	57382.3	382.3	-13.3	14.7	-22.1	26.1
-900	1525	57712.8	712.8	-8.6	31.2	-17.5	24.8
-900	1500	57614.0	614.0	8.2	43.3	-7.2	21.6
-900	1475	57362.4	362.4	-6.0	34.6	-5.6	17.0
-900	1450	57304.2	304.2	14.2	25.2	-6.7	16.6
00	1425	57145.2	145.2	-5.8	19.2	-7.2	16.3
-900	1400	57157.2	157.2	-22.0	13.4	-9.0	16.0
-900	1375	57231.7	231.7	8.1	8.2	-11.5	15.9
-1000	1875	57056.3	56.3	51.3	-18.4	24.0	15.8
-1000	1850	57068.1	68.1	-21.6	-31.1	18.4	16.2
-1000	1825	57126.8	126.8	34.3	-43.2	14.0	21.1
-1000	1800	57590.2	590.2	57.7	-20.0	29.0	21.4

-1000	1775	57715.1	715.1	55.8	-32.7	29.0	22.9
-1000	1750	57178.9	178.9	-22.4	-51.8	23.5	25.6
-1000	1725	56900.1	-99.9	-14.0	-54.8	28.6	31.7
-1000	1700	56891.9	-108.1	-11.3	-33.3	8.8	35.0
-1000	1675	57335.9	335.9	1.9	0.4	-10.2	32.5
-1000	1650	57578.1	578.1	3.5	13.8	-18.3	32.7
-1000	1625	57568.7	568.7	-30.2	36.5	-20.4	28.3
-1000	1600	58340.0	1340.0	87.3	13.4	-29.3	18.8
-1000	1575	57976.8	976.8	43.6	0.6	-19.2	22.9
-1000	1550	57592.7	592.7	-29.2	30.2	-11.9	22.9
-1000	1525	56822.1	-177.9	-44.0	29.7	-12.1	16.5
-1000	1500	57658.2	658.2	-74.2	17.9	-9.5	16.8
-1000	1475	57731.3	731.3	13.6	15.8	-8.2	16.4
-1000	1450	57396.5	396.5	-9.2	16.2	-7.5	15.8
-1000	1425	57267.0	267.0	14.0	13.1	-9.7	15.3
-1000	1400	57124.6	124.6	-29.6	12.5	-8.8	14.9
-1000	1375	57262.7	262.7	-17.3	6.1	-11.9	14.6
-1100	1800	56863.7	-136.3	-57.0	-61.7	12.7	18.4
-1100	1775	56848.6	-151.4	-15.2	-58.2	15.4	25.0
-1100	1750	56775.7	-224.3	-12.5	-23.0	27.6	29.1
-1100	1725	56804.2	-195.8	-4.3	-3.6	28.5	28.8
-1100	1700	56818.3	-181.7	-11.0	-6.7	26.6	25.5
-1100	1675	56931.7	-68.3	-6.1	9.0	-3.0	24.1
-1100	1650	57094.3	94.3	-0.4	-5.6	-10.9	23.2
-1100	1625	57145.2	145.2	3.2	-6.1	-15.6	24.0
-1100	1600	57209.9	209.9	0.9	-4.0	-21.3	26.6
-1100	1575	57263.7	263.7	3.6	8.2	-21.0	30.2
-1100	1550	57292.7	292.7	-1.1	32.9	-18.3	29.1
-1100	1525	57444.3	444.3	-49.9	44.6	-13.3	18.0
-1100	1500	58048.2	1048.2	-92.8	16.2	-23.3	15.3
-1100	1475	58149.1	1149.1	6.1	-2.9	-30.2	16.4
-1100	1450	57843.8	843.8	-43.5	2.3	-11.9	23.3
-1100	1425	57834.8	834.8	8.7	22.4	-2.1	21.4
-1100	1400	57314.1	314.1	-17.8	24.4	-4.6	17.0
-1100	1375	57402.2	402.2	19.1	20.2	-2.2	18.3
-1200	1725	56919.9	-80.1	-72.3	-8.4	27.1	31.9
-1200	1700	56799.9	-200.1	-6.1	-8.4	25.6	24.6
-1200	1675	56862.3	-137.7	-6.0	-2.0	1.3	19.5
-1200	1650	56917.9	-82.1	-2.5	-7.5	-4.0	18.3
-1200	1625	57028.1	28.1	1.1	-14.9	-13.9	19.5
-1200	1600	57212.8	212.8	6.1	-11.9	-19.4	21.7
-1200	1575	57399.0	399.0	20.6	5.2	-24.8	24.2
-1200	1550	57163.3	163.3	0.2	25.9	-33.3	21.3
-1300	1590	57420.7	420.7	-5.0	-99.99	-99.99	-99.99
-1300	1560	57181.8	181.8	-5.8	-99.99	-99.99	-99.99
-1300	1530	57217.1	217.1	8.7	-99.99	-99.99	-99.99
-1300	1500	57099.1	99.1	-11.5	-99.99	-99.99	-99.99
-1300	1470	57090.1	90.1	3.0	-99.99	-99.99	-99.99
-1300	1440	57062.7	62.7	-7.5	-99.99	-99.99	-99.99
-1300	1410	57190.6	190.6	2.0	-99.99	-99.99	-99.99
-1300	1380	57290.2	290.2	6.5	-99.99	-99.99	-99.99
-1400	1410	56956.9	-43.1	41.4	-99.99	-99.99	-99.99
-1400	1400	56978.2	-21.8	-51.9	-99.99	-99.99	-99.99
-1400	1375	57290.2	290.2	-3.8	-99.99	-99.99	-99.99

May 19,21, 1991

Part C

Line 0 - 1400 W
Stat 0 - 1150 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gamm

VLF Cuttler Orientation striking grid at 85 de
VIP = Veritcal In Phase with Total Field Amplitude
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Units
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
0	950	56943.8	-56.2	-44.9	11	-0.3	18.9
0	925	56772.7	-227.3	0.3	8	-0.1	14.65
0	900	56728.4	-271.6	1.9	-5.9	-12.1	14.8
0	875	56701.5	-298.5	-8.7	-16.9	-11.2	15.6
0	850	56774.4	-225.6	-1.5	-11.1	-13.7	17.15
0	825	56827.1	-172.9	2.4	9.7	-6.8	17.8
0	800	56822.9	-177.1	-23.1	29.3	-4.4	17
0	775	56834.4	-165.6	6.4	48.5	13.8	15.3
0	750	56747	-253.0	-8.2	-47.7	49.6	14.6
0	725	56632.6	-367.4	-6.8	-50.4	34.6	15.05
0	700	56763.7	-236.3	9.4	-54.6	36.6	16.3
0	675	56663	-337.0	-38.5	-74.9	53.6	19.4
0	650	56864.6	-135.4	5.3	-83.6	26.7	21.4
0	625	56898.6	-101.4	-5.4	-64.7	31.8	23.65
0	600	56764.6	-235.4	15.8	-63.8	32.7	27.05
0	575	56735.6	-264.4	4.5	-74.6	26.7	32.15
0	550	57286.1	286.1	15.6	-57.3	27	33.8
0	525	57554.8	554.8	62.1	-50.7	26.6	34.45
0	500	56840.1	-159.9	0.4	-13.2	28.2	31.6
0	475	56774.4	-225.6	4.4	6.2	18.6	23.5
0	450	56670.3	-329.7	-15.7	8.1	1.7	19.75
0	425	56938.4	-61.6	-8.3	5.4	-1	22.25
0	400	57156.6	156.6	5.7	9.8	-1.7	22.25
0	375	57284.5	284.5	14.3	6	3.7	21.9
0	350	57295.2	295.2	6.7	-7.3	16.6	22.55
0	325	57167.4	167.4	4.4	-32.5	14.9	24.25
0	300	56962.1	-37.9	-9.1	-36.7	12.1	21.6
0	275	57001.6	1.6	4.3	-33.9	6.9	20.05
0	250	56944.1	-55.9	-14.1	-20	12.4	18.5
0	225	56965.7	-34.3	0.5	-15.7	9.6	18.9
0	200	57151.7	151.7	17.6	-1.8	12.4	22.2
0	175	57126.1	126.1	10.2	-1.3	11.8	25.1
0	150	56904.3	-95.7	-10.6	-3.9	11.6	26.7
0	125	56972.2	-27.8	-5.7	8.0	13.0	25.8
0	100	57068.3	68.3	1.4	52.0	13.0	22.7
0	75	56943.1	-56.9	-7.6	34.8	8.5	23

0	50	57035.3	35.3	11.4	38.2	5.8	28.2
0	25	57054.9	54.9	-2.0	19.2	5.1	31.95
0	0	57074.3	74.3	-4.7	9.1	6.7	31.5
-100	975	56849.8	-150.2	-25.8	-8.4	1.8	21.35
-100	950	56780.1	-219.9	3.3	-10.9	6.4	20.6
-100	925	56706.9	-293.1	-1.6	0.2	13.5	20.55
-100	900	56747	-253.0	-2.9	1.7	17.6	23.25
-100	875	56810.5	-189.5	0.3	0.0	20.3	24.4
-100	850	56847.6	-152.4	-1.7	-13.1	18.6	26.05
-100	825	56847.3	-152.7	-16.4	27.7	-15.3	25.55
-100	800	56809.3	-190.7	1.6	49.9	-4.4	23.6
-100	775	56853.8	-146.2	4.0	53.2	6.1	19.9
-100	750	56805.2	-194.8	3.9	-45.2	-9.8	16.6
-100	725	56673.6	-326.4	-4.2	-22.6	-9.9	15.35
-100	700	56648.4	-351.6	-2.4	-12.4	-3.1	15.65
-100	675	56635.5	-364.5	-3.4	7.6	14.0	17.05
-100	650	56603.4	-396.6	-5.2	-3.5	18.0	15.95
-100	625	56553	-447.0	-6.2	-18.4	11.5	16.6
-100	600	56481.2	-518.8	-23.0	-26.7	21.3	18.4
-100	575	56934.7	-65.3	36.8	-56.3	5.6	19.85
-100	550	56609.4	-390.6	-25.5	-82.3	7.1	32.1
-100	525	56585.4	-414.6	-6.6	-34.3	18.7	40
-100	500	56598.2	-401.8	-13.2	-8.8	18.1	36.95
-100	475	56733.9	-266.1	6.1	-6.0	-12.0	31.9
-100	450	56614.9	-385.1	-7.5	-2.3	-8.6	27.45
-100	425	56755	-245.0	-23.1	7.3	12.8	31.7
-100	400	56899.5	-100.5	0.9	-6.2	13.7	36
-100	375	56973.7	-26.3	1.0	-22.9	18.2	39.15
-100	350	57231	231.0	27.9	-79.0	0.5	30.8
-100	325	57096.7	96.7	-10.8	-43.8	8.4	19.95
-100	300	56928.4	-71.6	-8.5	9.3	-20.8	18.75
-100	275	57085	85.0	14.3	-16.3	-23.6	21.6
-100	250	57088	88.0	15.6	-38.9	-16.2	27.85
-100	225	56872.7	-127.3	-1.9	-14.1	-0.3	34.1
-100	200	56885.8	-114.2	5.5	3.5	9.6	29.3
-100	175	56965	-35.0	15.3	-9.4	15.8	26.5
-100	150	56939.3	-60.7	-0.2	-14.2	86.8	25.8
-100	125	56856.6	-143.4	-6.0	33.2	-35.1	25.3
-100	100	56862.5	-137.5	-0.8	16.2	2.6	24.9
-100	75	56984.1	-15.9	1.9	7.8	-11.8	25.1
-100	50	57179.7	179.7	6.0	-9.3	-19.6	26.5
-100	25	57142.3	142.3	-37.4	15.3	-10.2	27.3
-100	0	57872.7	872.7	41.9	-32.0	5.7	34.5
-200	1125	56847.4	-152.6	0.8	3.2	-0.7	33.8
-200	1100	56857.1	-142.9	2.9	2.1	-1.1	34.1
-200	1075	56866.7	-133.3	2.4	2.2	-1.0	34.3
-200	1050	56854.9	-145.1	0.7	2.6	-2.5	35.2
-200	1025	56846.6	-153.4	-5.0	7.8	-2.2	35.5
-200	1000	56775.3	-224.7	-8.1	10.8	-1.1	33.6
-200	975	56723.1	-276.9	-2.3	-4.3	-14.9	32.6
-200	950	56722.7	-277.3	2.4	-16.9	-20.7	38.1
-200	925	56785.3	-214.7	2.8	-2.6	-16.4	48.1
-200	900	56826.4	-173.6	4.0	11.9	-18.4	53.4
-200	875	56855.7	-144.3	3.6	32.5	-18.4	57.0
-200	850	56850.2	-149.8	-6.7	69.0	-7.8	50.5
-200	825	56443.9	-556.1	-98.1	61.8	-4.9	36.4

-200	800	56579.2	-420.8	-16.5	48.5	-8.2	32.4
-200	775	56666.1	-333.9	-3.9	34.6	-15.0	31.2
-200	750	56843.6	-156.4	10.8	24.3	-18.1	30.2
-200	725	56766.6	-233.4	2.2	16.4	-14.5	29.3
-200	700	56762.9	-237.1	-7.6	6.6	-18.9	30.7
-200	675	56669.1	-330.9	-12.0	-6.5	-22.4	31.1
-200	650	56709.2	-290.8	1.0	-19.8	-25.5	36.6
-200	625	56705.4	-294.6	-1.0	-5.9	-12.2	39.1
-200	600	56654.5	-345.5	-3.1	2.0	-4.3	42.9
-200	575	56654.8	-345.2	3.4	0.4	-9.5	33.2
-200	550	56711.3	-288.7	4.1	-13.8	-2.8	35.4
-200	525	56727.1	-272.9	2.2	-18.4	1.6	40.9
-200	500	56808.3	-191.7	2.6	-11.0	7.6	42.6
-200	475	56767.6	-232.4	6.1	-5.3	8.7	44.5
-200	450	56651.1	-348.9	-14.4	-4.0	5.8	45.8
-200	425	56861.3	-138.7	4.3	2.5	5.4	46.9
-200	400	56669.9	-330.1	-13.3	6.0	7.5	41.8
-200	375	56721.9	-278.1	-7.5	2.1	-4.3	53.5
-200	350	56843.2	-156.8	-1.8	13.8	-9.2	54.9
-200	325	56893	-107.0	1.3	19.8	-8.7	55.4
-200	300	56704	-296.0	-16.7	25.8	-3.3	55.6
-200	275	56818.4	-181.6	-4.2	12.5	-3.9	52.2
-200	250	56836.2	-163.8	-19.2	35.8	5.1	46.9
-200	225	56824.2	-175.8	-7.0	34.3	18.4	41.0
-200	200	56813	-187.0	10.8	15.5	16.5	36.8
-200	175	56962.2	-37.8	77.5	-9.3	18.7	36.5
-200	25	56875.4	-124.6	-47.5	-41.9	8.4	49.2
-200	0	56877.5	-122.5	-74.9	-8.3	-3.0	56.6
-300	1125	56779.3	-220.7	-1.4	0.9	2.9	33.3
-300	1100	56813.7	-186.3	0.4	-1.8	0.5	33.4
-300	1075	56842.6	-157.4	2.3	0.3	0.1	33.7
-300	1050	56819.1	-180.9	0.5	0.8	-1.5	33.0
-300	1025	56790.4	-209.6	-3.8	-0.8	-1.5	32.9
-300	1000	56807	-193.0	2.9	3.4	-1.4	32.9
-300	975	56751.9	-248.1	-35.6	6.7	-0.7	30.9
-300	950	56706.5	-293.5	-1.2	-0.8	-11.1	28.6
-300	925	56733.7	-266.3	-1.6	-11.7	-15.9	32.6
-300	900	56796.2	-203.8	-0.4	-3.2	-15.6	37.9
-300	875	56791	-209.0	1.6	10.9	-19.2	40.6
-300	850	56773.1	-226.9	1.4	37.5	-17.1	41.1
-300	825	56640.7	-359.3	-9.6	66.1	-5.8	28.3
-300	800	56665	-335.0	-15.4	33.5	-0.4	22.1
-300	800	56779.5	-220.5	22.6	37.9	-19.0	24.2
-300	775	56766.1	-233.9	-3.8	20.0	-7.5	20.9
-300	750	56841.1	-158.9	-1.8	12.9	-10.1	20.4
-300	725	56928.2	-71.8	15.0	3.7	-12.6	20.5
-300	700	56750.1	-249.9	-18.1	-6.1	-15.9	20.7
-300	675	56883.8	-116.2	4.8	-21.8	-15.1	26.9
-300	650	56964.8	-35.2	8.6	19.8	7.1	25.0
-300	625	56802	-198.0	-6.9	1.5	-1.8	20.5
-300	600	56733.8	-266.2	-0.4	-10.4	-5.9	20.9
-300	575	56709.9	-290.1	-2.0	-17.9	-8.0	21.0
-300	550	56654.6	-345.4	-4.0	-25.8	-9.3	23.0
-300	525	56580	-420.0	-28.0	-35.1	-14.2	24.7
-300	500	56762.5	-237.5	-9.0	-33.4	1.5	34.0
-300	475	56967.8	-32.2	21.9	-31.7	2.6	30.1

-300	450	56775.6	-224.4	-9.0	-18.6	9.1	30.6
-300	425	57275.5	275.5	27.0	-10.0	13.8	28.7
-300	400	57147.9	147.9	-10.0	-8.2	16.5	28.0
-300	375	56986	-14.0	-24.9	-2.1	18.4	28.0
-300	350	56953.8	-46.2	3.0	-34.3	32.1	30.8
-300	325	56829.2	-170.8	-7.3	51.9	-25.2	34.5
-300	300	57057.6	57.6	23.7	34.9	-17.4	25.8
-300	275	56880	-120.0	-5.7	31.0	-13.4	24.3
-300	250	56750.3	-249.7	-15.5	12.4	-24.2	20.2
-300	225	56759.2	-240.8	-15.8	-18.9	-21.8	27.1
-300	200	56957	-43.0	9.0	-13.6	-4.6	25.9
-300	175	56651	-349.0	-14.5	18.0	13.0	25.4
-300	150	56870.9	-129.1	-30.4	-7.4	18.9	21.9
-300	125	56747.4	-252.6	-27.4	4.2	-0.3	22.5
-300	100	57032.4	32.4	14.6	-15.4	1.5	29.5
-300	75	56891.4	-108.6	-91.2	22.9	-13.9	25.2
-300	50	56824.2	-175.8	-76.2	18.9	-9.5	27.1
-300	25	57181.9	181.9	-38.5	22.5	-6.0	25.5
-300	0	58277.5	1277.5	180.3	1.3	-11.2	22.8
-400	1125	56812	-188.0	0.3	1.6	-0.1	22.6
-400	1100	56820.6	-179.4	3.6	1.0	-1.2	22.9
-400	1075	56812.1	-187.9	2.5	2.2	-1.7	23.2
-400	1050	56787.1	-212.9	-0.8	6.3	-1.0	22.9
-400	1025	56752.2	-247.8	1.2	11.6	3.8	21.3
-400	1000	56707.6	-292.4	-3.9	3.8	0.6	19.9
-400	975	56731.8	-268.2	1.1	-9.5	-1.2	21.1
-400	950	56823.7	-176.3	5.7	-9.1	-8.1	22.9
-400	925	56832.1	-167.9	0.7	-4.3	-11.8	24.1
-400	900	56845.1	-154.9	1.0	4.1	-16.8	24.3
-400	875	56840.2	-159.8	0.4	16.3	-16.4	23.7
-400	850	56902.8	-97.2	10.9	30.2	-11.3	21.1
-400	825	57040.9	40.9	4.2	29.0	-4.0	16.8
-400	800	56950.5	-49.5	18.4	15.7	-8.9	16.1
-400	775	56725.9	-274.1	-8.4	2.2	-14.2	16.4
-400	750	56962.8	-37.2	4.8	-5.6	-16.1	16.5
-400	725	56691.2	-308.8	-23.2	-16.2	-18.0	19.7
-400	700	57110.4	110.4	29.4	-10.9	-7.5	19.5
-400	675	56967.8	-32.2	6.2	11.1	4.0	19.0
-400	650	56753	-247.0	-12.4	-1.5	-1.6	17.4
-400	625	56592.9	-407.1	-63.2	-10.4	-8.5	17.5
-400	600	56622.1	-377.9	-90.2	-19.1	-12.5	18.2
-400	575	57017.6	17.6	-0.6	-26.3	-16.5	19.9
-400	550	56801.4	-198.6	-28.9	-1.5	7.8	20.9
-400	525	56859.5	-140.5	0.7	-28.9	-7.7	21.7
-400	500	56787.5	-212.5	-11.9	-0.5	8.1	24.4
-400	475	56818.7	-181.3	-8.7	-10.6	10.8	19.2
-400	450	56888.2	-111.8	-7.5	-22.1	2.1	19
-400	425	57068.7	68.7	6.3	-42.4	-10	22.3
-400	400	57143.4	143.4	14.5	-51	-9.9	25.8
-400	375	57371.8	371.8	22.5	-38.5	8.5	29.4
-400	350	57147.4	147.4	-10.4	-23.2	10.7	29.8
-400	325	57349.8	349.8	-8.7	-28.9	13	25.7
-400	300	57247.8	247.8	5.4	-34.5	11.4	28.8
-400	275	56947.5	-52.5	0.1	-15.1	5	30.5
-400	250	56821.6	-178.4	-9.3	12.3	-5.6	26.2
-400	225	56690.9	-309.1	-60.3	21.5	-23.8	19

-400	200	56797	-203	-12.9	-12.4	-24.9	17.5
-400	175	56580.7	-419.3	-7.3	-22.6	-17.4	20.1
-400	150	56219.2	-780.8	-40.1	-33.1	-13.5	21.3
-400	125	56996	-4	9.6	-40.9	7.9	24.1
-400	100	57271.8	271.8	61.4	-39.5	1.9	29.3
-400	75	57228.1	228.1	25	-15.4	-2.3	31.1
-400	50	57095.1	95.1	-112.8	23.6	-1.7	27.7
-400	25	58279.5	1279.5	-18.3	-2	-5.2	22.9
-400	0	58152.1	1152.1	84.9	-16	-17.5	31.9
-500	1125	56765.8	-234.2	-2.3	4	1.2	24.2
-500	1100	56785	-215	2.5	7.9	1.8	24.1
-500	1075	56788.2	-211.8	-27.5	6.9	1.5	23.1
-500	1050	56792.9	-207.1	1.4	2.9	-0.8	22.6
-500	1025	56792.3	-207.7	4.2	3.4	-1.4	22.7
-500	1000	56805.8	-194.2	4.4	5.5	1.8	22.4
-500	975	56812.8	-187.2	10.1	3.1	4.3	20.3
-500	950	56725.9	-274.1	-2.9	-11.1	-4.4	20.4
-500	925	56910.8	-89.2	9.5	-10.1	-5.2	23
-500	900	56947	-53	1.1	-5.2	-5.6	22.9
-500	875	56961.6	-38.4	4.5	-1.5	-8.9	22.1
-500	850	56968.7	-31.3	3.4	2.3	-11.2	20.4
-500	825	57107.6	107.6	-0.6	-1.6	-16.8	17.8
-500	800	57080.1	80.1	23.4	-23.1	-26.8	18.9
-500	775	56924.3	-75.7	5.2	-35.1	-19.2	25
-500	750	56879.8	-120.2	3.3	-16.4	-3.8	27.5
-500	725	56793	-207	-0.3	2.2	2.7	25.8
-500	700	56852.8	-147.2	-1.5	16.8	11.3	29.2
-500	675	56831.2	-168.8	-40.8	28.7	24.1	23.5
-500	650	56826.8	-173.2	-3.2	12.2	15.3	20.4
-500	625	56747	-253	-9.2	9.4	10.4	23.1
-500	600	56725.1	-274.9	-28.3	5.9	10.8	19.3
-500	575	56931.3	-68.7	7.6	-4.4	5.5	19.2
-500	550	56771.5	-228.5	-26.5	-6.4	4.5	18.9
-500	524	57149.5	149.5	59.9	-12.7	1.8	18.8
-500	498	57057.3	57.3	-3	-23.7	-2.6	19.5
-500	472	56977.7	-22.3	-9.8	-12	5.9	23.3
-500	446	56835.8	-164.2	-2.5	-8.9	10.6	23.2
-500	420	56908.1	-91.9	9.1	-8.7	14.4	22.5
-500	394	56883.7	-116.3	-0.9	-20.5	11	25
-500	368	56834.4	-165.6	-4.4	-3.3	16.2	25.1
-500	342	56936.2	-63.8	-7.9	2.7	19.4	23.5
-500	316	57033.3	33.3	18.7	-12.2	21.2	23
-500	290	56827.8	-172.2	-10.2	-12.4	20.5	21.7
-500	264	56923.1	-76.9	9.7	-10.5	11.8	21.1
-500	238	56955.7	-44.3	9.9	-22.2	18.9	18.7
-500	212	56946.6	-53.4	10.3	-25.1	2.2	22.4
-500	186	56914.3	-85.7	2.2	-30	0.6	24.5
-500	160	56671.7	-328.3	-10	-34.2	5.6	26.8
-500	134	56820.8	-179.2	2.3	-18.8	2.5	30.6
-500	108	57119.9	119.9	4.7	-10	1.4	28
-500	82	56647.7	-352.3	-117	-1.4	0.7	22.9
-500	56	57458.9	458.9	50.5	0.7	-2.7	22.3
-500	30	56396.6	-603.4	-181.8	6	-4.6	21.7
-500	4	58172.3	1172.3	149.1	-26.5	-19.3	22.5
-600	1125	56795.6	-204.4	-0.3	-5.8	-2	17
-600	1100	56801.7	-198.3	0.4	-0.9	1.2	17.2

-600	1075	56798.1	-201.9	1.7	0.7	0.6	16.7
-600	1050	56790.4	-209.6	2.8	-0.6	1.2	17.1
-600	1025	56782.6	-217.4	0.2	1.7	0.5	16.7
-600	1000	56830.3	-169.7	5	3.7	1.7	16.6
-600	975	56758.8	-241.2	-2.3	3.7	2.1	15.9
-600	950	56769.1	-230.9	-1.2	-9.6	2.9	15.9
-600	925	56913	-87	6.3	-5.2	3.3	16.8
-600	900	56995.5	-4.5	7.8	-1.8	1.1	16.7
-600	875	56997.5	-2.5	5.1	-3.6	0	16.5
-600	850	56955	-45	6.3	-6.2	-3.5	16.7
-600	825	57012.5	12.5	3.7	-5	-2.8	16.8
-600	800	57085.2	85.2	10.8	-4.8	-3.6	17.2
-600	775	56988.4	-11.6	6.1	-3.4	-4.2	17.4
-600	750	56910.8	-89.2	0	0	-3.6	17.4
-600	725	56850.2	-149.8	-1	3.2	-1.4	16.4
-600	700	56835.3	-164.7	-9.8	-5.4	-0.5	15.4
-600	675	57062.6	62.6	6.6	-8.6	1.5	15.6
-600	650	57051.5	51.5	-4.5	-10.5	-3.4	15.5
-600	625	57040.1	40.1	4.4	-10.6	-9.1	15.8
-600	600	56940.1	-59.9	3.9	-15.4	-11.1	17.2
-600	572	56830.7	-169.3	-6.3	-12.9	-4.6	15.7
-600	544	56874.6	-125.4	-5.6	-11.7	-2.4	16.1
-600	516	56835	-165	-8.2	-4.7	2.5	16.8
-600	488	56828.6	-171.4	-6.9	-5.3	5	16.7
-600	460	56953	-47	-13.4	-4.4	10	14.2
-600	432	56885.5	-114.5	-4.9	-23.6	4	13.7
-600	404	57038.8	38.8	21.4	-42.3	-0.2	14.8
-600	376	57067.3	67.3	15.5	-43.1	3.6	17.6
-600	348	57069.7	69.7	17.9	-43.1	8.3	15.3
-600	320	56858	-142	-1.9	-36.1	11.9	19.3
-600	292	56738.8	-261.2	-32.5	-22.4	17.3	16.7
-600	264	56760.6	-239.4	-12.9	-31.8	14.2	17.7
-600	236	57636.1	636.1	116.5	-40.6	21.3	19.6
-600	208	56869.8	-130.2	-12.8	-32.4	15.2	20.4
-600	180	56852.6	-147.4	-33.1	-35.2	1	15.4
-600	152	56906.4	-93.6	4.8	-48.8	11.5	22.6
-600	125	56727.3	-272.7	-2.8	-24.1	9.1	25.7
-600	100	56597.5	-402.5	-17.3	-1	3.7	25.5
-600	75	56777.2	-222.8	-1.3	19.3	0	24
-600	50	56995.3	-4.7	-6.1	19.9	0.2	19.8
-600	25	57149.7	149.7	-19.3	22	0.7	18.2
-600	0	58876.2	1876.2	118.1	-49.9	-26.5	17.8
-700	1125	57032.3	32.3	-1.2	-11.2	4	17.7
-700	1100	56930.3	-69.7	-4.2	-3.1	4.2	18
-700	1075	56866.9	-133.1	0.6	-0.4	1.6	17.7
-700	1050	56821.2	-178.8	-5.1	1.1	1.4	17.5
-700	1025	56843.9	-156.1	-1	1.1	0	17.5
-700	1000	56835.2	-164.8	-2.4	2.1	1.2	17.2
-700	975	56866.7	-133.3	0.8	4.3	0.2	17.1
-700	950	56865.8	-134.2	2	7.5	6.2	15.6
-700	925	56719.9	-280.1	-0.6	-1	1.3	14.5
-700	900	56700.6	-299.4	-0.9	-4.3	1	15.9
-700	875	56655.8	-344.2	-2.9	-3.5	0.9	15.7
-700	850	56677.9	-322.1	-4.5	-4.9	-0.3	15.8
-700	825	56719.1	-280.9	-3.8	-7.2	-2.4	16
-700	800	57039.6	39.6	3.8	-7.8	-6.1	16.6

-700	775	57013.3	13.3	0.1	-4.5	-8.9	17
-700	750	56988.2	-11.8	0.4	0.7	-9.1	17.4
-700	725	56983.1	-16.9	1.7	9	-11	16.5
-700	700	56946.7	-53.3	-6.1	13	-9.1	14.6
-700	675	57061.8	61.8	-8.4	11.3	-5.3	13.3
-700	650	57557.4	557.4	62	4.3	-2.8	12.4
-700	625	57074.1	74.1	-6	-5.3	-0.5	12.8
-700	600	56851.6	-148.4	-19.5	-10.4	-0.6	14.1
-700	575	57068.2	68.2	1.8	-3.8	0.8	15
-700	550	56991.6	-8.4	-3	-8	0.9	15.3
-700	526	57116.5	116.5	0.1	-9.2	1.6	16.2
-700	502	57104.4	104.4	0.2	-7.1	4.5	16.3
-700	478	57049	49	-0.3	-7.5	7.3	16.3
-700	454	56965.8	-34.2	-11.4	-13.1	10.3	15.7
-700	430	57251.7	251.7	15.6	-27.8	9.1	15.9
-700	406	57314.8	314.8	24.1	-34.6	8.1	16.3
-700	382	57035.4	35.4	-11.2	-39.1	6.6	16.2
-700	358	56945.1	-54.9	2.6	-30.9	12	18.2
-700	334	56852.1	-147.9	2	-39.1	12	17.2
-700	310	56811.4	-188.6	-1	-43.3	13.1	19.4
-700	286	56768.7	-231.3	-8	-31.6	17.8	18.8
-700	262	56772	-228	-1.9	-41	17.5	20.5
-700	238	56765.7	-234.3	-2.5	-27.5	15.6	23.1
-700	214	56820	-180	-0.8	-12.9	13.6	21.9
-700	190	56856.3	-143.7	0.4	-7	8.8	20.8
-700	166	56947.6	-52.4	1.9	-1.8	3.7	20.3
-700	142	57065.3	65.3	8.7	8.6	-2.8	19.4
-700	118	57009.8	9.8	-3.1	12.9	-7.3	17.4
-700	94	56927.9	-72.1	0.9	15.1	-11	14.5
-700	70	57550.4	550.4	10.4	-10.2	-20.2	14.7
-700	46	57130	130	64.2	-13.2	-10.4	14.2
-700	22	55363.8	-1636.2	-338.5	-31.9	-21.4	15.3
-700	22	55423.4	-1576.6	-329.4	-30.5	-22.7	15
-700	0	56237.8	-762.2	-52.6	-20.7	-16.9	14.5
-800	1123	57494.1	494.1	20.9	-9.4	5.9	13.8
-800	1099	57242.2	242.2	1.8	-19	9.3	15.2
-800	1075	56922	-78	-6.1	-8.7	9.9	17.2
-800	1052	56829.9	-170.1	-2.3	-2.3	8.4	17.6
-800	1029	56799.6	-200.4	-1.5	2.7	5.8	17.2
-800	1006	56751	-249	-4.4	2.9	0.8	16.5
-800	983	56603.7	-396.3	-9.7	-0.6	-0.6	15.1
-800	960	56623	-377	-9.3	-7.9	-1.8	16.1
-800	937	56689.1	-310.9	-1.9	-3.2	-7	16.7
-800	914	56713.1	-286.9	-3.3	2.5	-6.7	16.7
-800	891	56792	-208	-8.4	0.4	-17	17.2
-800	868	57076.3	76.3	9.4	-2.1	-14.1	17.4
-800	845	57188.2	188.2	4	-6.2	-15.4	17.3
-800	822	57231.3	231.3	-27.8	13.3	-9	17.8
-800	799	57432.7	432.7	9.8	1.5	-15.7	17.7
-800	776	57473.8	473.8	10.7	4.2	-14.3	18
-800	753	57431	431	8.6	19.8	-12.1	16.2
-800	730	57180.9	180.9	-32	27.1	-7.1	14.1
-800	707	57528.4	528.4	44.8	11.8	-8	12.2
-800	684	57306.6	306.6	-11.6	-8	-15.8	13.3
-800	661	57423.9	423.9	10.7	-21.3	-14	14.1
-800	638	57412.2	412.2	7.8	-12	-9.7	15.2

-800	615	57525.9	525.9	40.8	-17.2	-3	16.2
-800	592	57166.9	166.9	-1.7	-14.6	-1.3	17.8
-800	569	57073.5	73.5	-9.2	-1.6	-0.6	18.8
-800	546	57144.7	144.7	1.6	4.2	-0.8	17.2
-800	520	57120.8	120.8	-1.2	0.6	0.1	16
-800	494	57136.9	136.9	-1.1	-8.9	-2.1	16.1
-800	468	57173.4	173.4	-0.2	-5.1	-1.6	17.5
-800	442	57145.2	145.2	-1.4	2.4	0.9	17.1
-800	416	57249.3	249.3	15.8	10	5.3	16.7
-800	390	57176	176	0.4	-4.3	-1.7	13.4
-800	364	57052.4	52.4	3.4	-15.1	-1.9	16.1
-800	338	57021.6	21.6	0.7	-3.2	1.6	19.2
-800	312	56913.3	-86.7	-1.7	-1.7	1.8	17
-800	286	56832.9	-167.1	-9.1	-7	0.9	16.9
-800	260	56853.5	-146.5	-15.6	-10.7	0.3	18.7
-800	234	56920	-80	-3.7	-1.1	2.1	17.9
-800	208	57040.6	40.6	-5	-7.5	1.9	18
-800	182	57197.6	197.6	-5	-1.6	1.3	17.6
-800	156	57437.2	437.2	8.5	-0.2	0.4	16.6
-800	130	57445.9	445.9	14.4	-2.4	0.6	16.5
-800	104	57255.4	255.4	1.5	-0.8	0.1	16.6
-800	78	57276.8	276.8	7.5	0.8	-0.1	16.1
-800	52	57287.9	287.9	1.1	-2.7	0.6	15.1
-800	26	57283.2	283.2	-1.6	-6.4	4.3	16.3
-800	0	57657.2	657.2	-1.5	-11.9	0.5	17.3
-800	0	57658.1	658.1	-1.3	-11.3	0	17.5
-900	1125	57045.5	45.5	43.7	2.3	5.9	13.2
-900	1100	57205.4	205.4	-11.3	-13.2	3.8	15
-900	1075	57611.5	611.5	36.9	-9.4	9.2	15.5
-900	1050	57083.7	83.7	-4.2	-13	13.6	16
-900	1025	56889.6	-110.4	-4	-10.8	13.7	17
-900	1000	56808.7	-191.3	-2.2	-4.8	11.3	17.4
-900	975	56769.3	-230.7	0.7	1.2	2.6	17.4
-900	950	56534.9	-465.1	-15.9	5.3	-4.2	15.5
-900	925	56725.7	-274.3	0.2	-2.6	-16.2	17.4
-900	900	56922.4	-77.6	-7.8	10.2	-18.7	18.4
-900	875	57504.6	504.6	2.8	15	-20.9	18
-900	850	57536.3	536.3	-17.8	27.5	-27.5	3
-900	825	57139.3	139.3	-45.6	20.6	-27	9.3
-900	800	57699	699	26.7	28.4	-19.4	13.4
-900	775	57655.1	655.1	23.3	17	-26	14.7
-900	750	57258.3	258.3	-13.7	10.8	-22.1	15.9
-900	725	57128.2	128.2	-7.4	13.2	-20.7	16.3
-900	700	57047.4	47.4	-6.5	2.9	-15.3	16.7
-900	675	57025.4	25.4	-6.1	-3.1	-9.8	18
-900	650	56886.9	-113.1	-17.3	-4.1	-7.3	19.6
-900	625	56859.7	-140.3	-6.1	3.4	-10.2	20.6
-900	600	57013.6	13.6	6.1	19.6	-17.8	22.3
-900	575	57079.6	79.6	-4.6	25.4	-22.6	18.8
-900	550	57248.9	248.9	6.5	23.8	-22.6	18.3
-900	524	57236.4	236.4	3.9	11.2	-13.5	18.5
-900	498	57144.8	144.8	-11.1	9.1	-12.4	18.3
-900	472	57107.6	107.6	-11.7	9	-8.9	19
-900	446	57249.4	249.4	-3.5	13.1	-8.3	20.4
-900	420	57424.4	424.4	-5.7	17	-5.5	20.4

-900	368	57471.9	471.9	4.1	6.9	7.2	16.9
-900	342	57147.3	147.3	1.8	-9.3	-3.8	16.2
-900	316	56976.3	-23.7	-4.9	-3.9	-2.7	15.9
-900	290	56898.1	-101.9	-6	-0.6	0.2	15.3
-900	264	56829.4	-170.6	-10.7	-11.7	-2.8	15.8
-900	238	57767.4	767.4	53.1	9.1	-2.9	16.1
-900	212	57653.3	653.3	13	9.8	-5.4	16.9
-900	186	57478.8	478.8	7.7	12.2	-5.4	15.4
-900	160	57261.9	261.9	-4.5	13.5	-5.3	14.4
-900	134	57429.2	429.2	13.4	10.7	-5	13.5
-900	108	57454.2	454.2	10.8	-0.6	-3.6	12.6
-900	82	57331.4	331.4	4.3	-5.5	0.2	13.8
-900	56	57277.3	277.3	3.7	-3.4	1.7	14.3
-900	30	57216.4	216.4	1.3	-4.4	0.5	14.6
-900	4	57118.4	118.4	-4	-3.6	-9.6	15.9
-1000	1151	56614.3	-385.7	-5.6	22.3	-5.7	21.1
-1000	1127	56740.7	-259.3	-2.8	23.4	-3.5	20.1
-1000	1104	57098.7	98.7	7.1	4.6	-5.8	19.7
-1000	1080	57374.9	374.9	25.2	2.5	0.5	22.2
-1000	1057	57004	4	-8.7	10.8	4.8	21.9
-1000	1033	56802.8	-197.2	-2.3	2.2	4.3	21.9
-1000	1010	56745.9	-254.1	-1.7	-2.9	0	23.2
-1000	986.5	56623.3	-376.7	-3.8	0.4	-6.3	24.1
-1000	963	56500	-500	-47.3	14.3	-14	23.7
-1000	939.5	56742	-258	-26.1	6.1	-15.5	22
-1000	916	57251.2	251.2	31	3	-16.4	21.9
-1000	892.5	57736.5	736.5	0	6.5	-18.2	21
-1000	869	57664.7	664.7	26.9	1.2	-24	21.3
-1000	845.5	57856.9	856.9	55.9	13.3	-12.1	21.8
-1000	822	57075.4	75.4	-34.3	14	-20	19.3
-1000	798.5	56906.7	-93.3	-4.4	-8.8	-18.5	23.7
-1000	775	56654.3	-345.7	-41.3	22.9	-14.9	25.7
-1000	750	56656.5	-343.5	-41.7	25.5	-12	24.9
-1000	725	56688.6	-311.4	-40.4	27.7	-15.9	16.9
-1000	700	56710.1	-289.9	-29	-0.9	-22.7	19
-1000	675	56986.4	-13.6	10	40.3	-9	25.7
-1000	650	57016.3	16.3	-45	30.8	-11.7	24.7
-1000	625	57462.9	462.9	-12.1	57.5	-9.1	21.4
-1000	605	57284.1	284.1	-32.5	53	-15.9	18.6
-1000	583	57422.5	422.5	3.1	36.4	-17.4	19.2
-1000	561	57010.6	10.6	-11.1	42.1	-7.8	18.9
-1000	539	57153.9	153.9	5.4	40.1	-9.6	18.8
-1000	517	57400.8	400.8	45.2	46.8	-5.3	15.7
-1000	495	57184.5	184.5	-13.2	26.4	-16.4	16.1
-1000	473	57406.1	406.1	1.3	27.9	-12.6	16.5
-1000	451	57631.7	631.7	4.5	38.9	-8.7	15.5
-1000	429	57739.7	739.7	24.3	40.5	-1.7	13.4
-1000	407	57844.1	844.1	64.6	17.9	-15.5	11.8
-1000	385	57201.7	201.7	-60.8	1.2	-21.4	13
-1000	363	57401.6	401.6	-8.4	11	-11.3	14.2
-1000	341	57208.8	208.8	-12	13.7	-8.5	14.2
-1000	319	57001.4	1.4	-17.2	29.7	-4.3	15.8
-1000	297	56943.9	-56.1	-62.1	75.1	12.9	16.1
-1000	275	57273.2	273.2	-10.3	63.9	21.8	10.8
-1000	250	57212.1	212.1	14.6	56.5	18.9	9.9
-1000	225	57464.3	464.3	9.2	43.3	17.1	9

-1000	200	57423.9	423.9	-58	34.8	18.9	8.3
-1000	175	57133.8	133.8	-33.7	49.1	-1.1	10.7
-1000	150	57420.4	420.4	-4.4	21.3	1.4	10.2
-1000	125	57518.8	518.8	14.1	37.3	18.8	8.8
-1000	100	57293.9	293.9	1.1	14.6	16.7	7.6
-1000	75	57299.7	299.7	3.4	16.6	1.3	8.3
-1000	50	57188	188	-3.1	21.9	-0.2	8.3
-1000	25	56929.3	-70.7	-27.6	26.3	-10.3	7.7
-1200	1150	56838.8	-161.2	13.5	3.6	-4.6	23.5
-1200	1125	56605.8	-394.2	-11.3	-3.6	-5.9	24.4
-1200	1100	56781.5	-218.5	9	-7.2	-5.4	25.5
-1200	1075	56735.7	-264.3	-11.7	-4.7	-4.5	26.3
-1200	1050	56799.7	-200.3	13.4	-2	-2.9	29.5
-1200	1025	56528.1	-471.9	-10.8	0.7	-1.2	26.4
-1200	1000	56499.5	-500.5	-6.1	-6.6	-2.4	28.4
-1200	975	56646.2	-353.8	-7.1	-4.5	-6	28.5
-1200	950	56805	-195	-2.8	0.6	-9.8	29
-1200	925	56941.6	-58.4	6.8	-0.1	-13.4	29.2
-1200	900	56656.8	-343.2	-32	5.1	-16.4	32.9
-1200	874	57589.4	589.4	48.7	29	-17.1	32.6
-1200	848	57732.1	732.1	41.6	33.4	-13.1	26.3
-1200	822	57707.4	707.4	24.8	1.1	-19	23.7
-1200	796	57751.9	751.9	27.4	-13.5	-18.5	25.5
-1200	770	57579.2	579.2	-9.6	5.4	-7.8	25.3
-1200	744	58015.8	1015.8	50.7	13.3	-3.6	19.4
-1200	718	58260.7	1260.7	-1.4	-2.6	-9.9	20.1
-1200	692	57582.7	582.7	-82.9	-9.7	-12.1	22
-1200	666	57697.8	697.8	22.9	0.2	-3.6	22.9
-1200	640	57464.9	464.9	-37.6	-15.6	-10.1	21.9
-1200	614	58044.7	1044.7	31.4	-25.8	-12.1	23
-1200	588	57734	734	10.9	-15	-11	26.9
-1200	562	57913.5	913.5	26.5	11.4	-12.9	28.7
-1200	536	58481.9	1481.9	93	33	-15.7	25.4
-1200	510	57972.8	972.8	8.8	26.9	-20.2	21.4
-1200	484	57828.2	828.2	-6.3	20.7	-21.6	21
-1200	458	57557.7	557.7	-3.8	-0.5	-24.5	22.2
-1200	432	57398.1	398.1	7.3	5	-17.5	23.9
-1200	406	57710.8	710.8	73.9	7.3	-16.9	21
-1200	380	57359.9	359.9	-38.9	-2.2	-17	21
-1200	354	57203.5	203.5	-36.6	17.4	-9.6	21
-1200	328	57215.9	215.9	-4.7	10	-10.2	19.7
-1200	302	57138.2	138.2	-5.5	1.2	-11.5	19.5
-1200	276	56967.2	-32.8	-12	-4.8	-11.6	20.2
-1200	250	57059.2	59.2	-5.1	-13.6	-15.7	19.7
-1200	225	56999.9	-0.1	-33.9	5.1	-6.9	19.3
-1200	200	56965.9	-34.1	-58.9	0.5	-7.7	19
-1200	175	57159.5	159.5	-3.3	-0.4	-7.2	19.6
-1200	150	57186.6	186.6	-8.4	-5.6	-7.1	19.3
-1200	125	57487.3	487.3	128.5	-8.4	-7.7	19.3
-1200	100	57592.4	592.4	99.5	-13.3	-6.7	19.4
-1200	75	56947.9	-52.1	-40.6	-26.3	-6.8	24.3
-1200	50	57097.6	97.6	7.7	-1	-2.8	19.9
-1200	25	57171.4	171.4	19.2	-14.4	-6.8	19.2
-1200	0	57138	138	21.6	-24.5	-8.7	25.8
-1300	1155	56815.9	-184.1	2.2	3.3	-8.8	11.4
-1300	1133	56833.6	-166.4	-2.4	10.3	-5.3	11.6

-1300	1111	56816.4	-183.6	-0.9	5.5	-6.7	11.4		
-1300	1089	56680.2	-319.8	-8.6	2.3	-6.6	12		
-1300	1067	56887.5	-112.5	5.1	7.5	-4.2	12.5		
-1300	1045	56860.9	-139.1	-12.8	7.7	-4.3	12.4		
-1300	1023	56996.7	-3.3	-2	13.3	-3.3	10.8		
-1300	1001	57322.3	322.3	13.5	-5	-8.9	12		
-1300	979	57436.8	436.8	46.1	-3.3	-7.8	12.9		
-1300	957	56911.2	-88.8	-31.2	-21.2	-11.4	14.1		
-1300	935	57275.1	275.1	11.3	17.7	-3.1	16.7		
-1300	913	57560	560	57.1	8.3	-7.1	15		
-1300	891	57092.8	92.8	-2.8	25	-3.5	14.7		
-1300	869	56905.2	-94.8	-27.7	25.8	-3.2	13.4		
-1300	847	57404.9	404.9	38	27.2	-0.6	13.4		
-1300	825	57405.8	405.8	23.3	27.9	-3.7	13.5		
-1300	800	57491.1	491.1	-6	-13.8	-5.4	13.4		
-1300	775	57745.2	745.2	-12.1	-7.9	-12	12.6		
-1300	750	57958.3	958.3	-13.3	-14.7	-12.5	13.1		
-1300	725	57421.7	421.7	-34.7	0	-12	13.8		
-1300	700	57338.3	338.3	-28	-3.8	-17.3	12.6		
-1300	675	57695.7	695.7	37.3	-12	-29.4	12.8		
-1300	650	57418	418	-11.9	-23.6	-28.3	14.1		
-1300	625	57330.7	330.7	-26	-21.7	-22.3	15.9		
-1300	600	57474.7	474.7	-1.7	-12	-20.8	16.3		
-1300	575	57403.7	403.7	-4	-5.8	-23.5	15.8		
-1300	550	57372	372	-2.2	-1.2	-26.8	15.6		
-1300	500	57420.4	420.4	7	8.9	-26.1	15.2		
-1300	450	57434	434	4.3	23.4	-25.4	13.9		
-1300	425	57435.1	435.1	11.1	-0.8	-29.4	12.9		
-1300	400	57144.9	144.9	-45.7	18.4	-21.8	13.1		
-1300	375	57466.3	466.3	-2.6	6.7	-25.4	11.4		
-1300	350	57563	563	5.8	-3.6	-23.6	11.1		
-1300	325	57518.1	518.1	-12.4	-30.4	-22.3	11.9		
-1300	300	57230.7	230.7	-18.4	-4.6	-8.3	16.1		
-1300	275	57207	207	-16.6	8.8	-7.1	14.3		
-1300	250	57423.5	423.5	6.6	-5.1	-9.1	14.1		
-1300	225	57606.5	606.5	19.4	13.5	0.1	12.3		
-1300	200	57538.2	538.2	70.1	1.7	-3.2	12.2		
-1300	175	57157	157	-25.1	-4.1	-4.5	11.8		
-1300	150	57082.6	82.6	-53.5	-13	-8.4	12.2		
-1300	125	56999.7	-0.3	-85.5	-17.1	-9.9	13.3		
-1300	100	57580.1	580.1	36.2	-14.4	-5.6	12.8		
-1300	75	57218.6	218.6	-26.4	-26.8	-8.4	13.7		
-1300	-1400	50	1153250.7	2678250.7	-217.98.1	-1.47	18121	-7284	11
-1300	-1400	25	1150302.4	5686404.4	-135.63.4	-3421	12692	-9434	10.2
-1300	-1400	0	1055953.6	5694144.6	-58.9-30	22892	9111	-121	9.7
-1400		1050	56913	-87	19.4	15.4	-6.2	10.3	
-1400		1025	56807.5	-192.5	-7	6.1	-7.6	9.1	
-1	-1400	1000	56711.6	-288.4	-16.7	4.4	-6.8	9	
-1	-1400	975	56879.7	-120.3	23.9	-18	-17.5	8.9	
-1400		950	56931.4	-68.6	7.1	-9.9	-8.1	11.1	
-1400		925	56926.3	-73.7	3.7	4	-4.9	10.9	
-1400		900	56961.4	-38.6	-1.2	-0.8	-6.9	10.9	
-1400		875	57035.6	35.6	9.2	14	-3.9	10.9	

-1400	750	58118.6	1118.6	24.9	9.6	-4.9	8.4
-1400	725	57488.8	488.8	27.2	1.7	-3.3	8.5
-1400	700	57417.7	417.7	-77	-15.2	-2.6	9.2
-1400	675	57204.8	204.8	-68.5	-20.3	-6.2	9.7
-1400	650	57370.8	370.8	-21	-24.3	-13.7	9.8
-1400	625	57592.7	592.7	16.5	-35	-10.5	11.5
-1400	600	57171.5	171.5	1.2	-19.1	0.4	12.3
-1400	575	57007.6	7.6	-8.9	-12.9	-7.3	11.5
-1400	550	56994.4	-5.6	-4.7	-11.7	-8.3	11.9
-1400	525	56802	-198	-8.2	-3.4	-8.7	11.8
-1400	500	56814.8	-185.2	-21.2	-10.3	-17.4	10.3
-1400	475	56969.8	-30.2	-23.6	-27.5	-9.6	11
-1400	450	57413.1	413.1	35.7	-25	-14.3	12.2
-1400	425	57193.5	193.5	4.8	-11.9	-8	13.4
-1400	400	57248.9	248.9	9.7	9.5	-8.5	12.8
-1400	375	57232.4	232.4	5	17.8	-7.9	11
-1400	350	56990.8	-9.2	-15	4.5	-12.8	9.9
-1400	325	57057	57	-12.5	0.7	-14.9	9.8
-1400	300	57110.2	110.2	-29.4	-6.3	-10.9	10.8
-1400	275	57523.9	523.9	-68.6	-8.7	-6.7	11.1
-1400	250	57568.8	568.8	7.5	2.3	-5.7	10.5
-1400	225	57324.3	324.3	-59.3	19.5	-3.6	8.4
-1400	200	57529.1	529.1	-8.4	1.1	-5.2	7.9
-1400	175	57651.7	651.7	54.8	-8.6	-2.6	8.2
-1400	150	57470.6	470.6	-6.6	-22	-13.6	9.6
-1400	125	57334.8	334.8	6	9.4	1.6	11.4
-1400	100	57320	320	-0.1	-1.2	6.6	8.4
-1400	75	57310	310	13.7	-14	-9.6	9
-1400	50	57375.8	375.8	65.1	-18.2	-6.5	10.9
-1400	25	56815	-185	-54.3	9.1	3.5	10.2
-1400	0	56937.5	-62.5	-56.3	-9.3	0.6	8.7
-1500	1100	56854.9	-145.1	5.3	4.6	-21.5	30.27
-1500	1071.5	57032.2	32.2	12.3	-5	-19.3	29.58
-1500	1043	56733.1	-266.9	-14.5	-14.4	-24.8	24.7
-1500	1014.5	56784.9	-215.1	4.9	12	-12	29.93
-1500	986	56644.6	-355.4	-51.8	-3.2	-21	23.19
-1500	957.5	57041	41	-5.6	-19.1	-24.6	24.07
-1500	929	57233.1	233.1	22.7	-17.8	-16.3	30.42
-1500	900.5	56766.1	-233.9	-12.2	-8	-13.5	29.85
-1500	872	56849.3	-150.7	-13.7	-17.5	-14.7	22.78
-1500	843.5	56871.7	-128.3	-7.2	2.6	-9.6	20.69
-1500	815	56929.1	-70.9	-15.7	-1.3	-8.7	15.91
-1500	786.5	57141.3	141.3	23.5	-2.2	-5.8	14.46
-1500	758	57124.9	124.9	2.2			
-1500	729.5	57189	189	14.9			
-1500	701	57336.9	336.9	29.3			
-1500	672.5	57099.3	99.3	-9.6			
-1500	644	57370.6	370.6	23.9			
-1500	615.5	57393.5	393.5	56.3			
-1500	587	56881.6	-118.4	-17.1			
-1500	558.5	56836.4	-163.6	-8.2			
-1500	530	56846.6	-153.4	-15.5			

-1500	501.5	57250.1	250.1	+7.1
-1500	473	57076.6	76.6	-1.3
-1500	444.5	56919.3	-80.7	-11.3
-1500	416	57089.4	89.4	-54.5
-1500	387.5	57224.2	224.2	3.2
-1500	359	57025.9	25.9	0.6
-1500	330.5	56952.1	-47.9	-12.3
-1500	302	57515	515	26.2
-1500	273.5	57605.4	605.4	-25.8
-1500	245	57443.5	443.5	-10.6
-1500	216.5	57616.1	616.1	38.1
-1500	188	56878.4	-121.6	-52.6
-1500	159.5	57980.9	980.9	210.1
-1500	159.5	57816.1	816.1	32.4
-1500	159.5	58024.8	1024.8	224.3
-1500	131	57326.8	326.8	22.5
-1500	102.5	57114.7	114.7	-38.8
-1500	75	57321.5	321.5	27
-1500	50	57412.3	412.3	42.2
-1500	25	57255.8	255.8	12.9
-1500	0	57340.7	340.7	34.8

May 22, 1991

Part D

Line 16 - 30 W
Stat 0 - 1375 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gamma

VLF Cuttler Orientation striking grid at 85 deg
VIP = Veritcal In Phase with Total Field Amplitude
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Units
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
-1600	1363	56850.3	-149.7	-24.0	7.7	-9.9	13.9
-1600	1336	56859.0	-141.0	-1.8	25.8	-8.2	15.1
-1600	1309	56999.2	-0.8	-19.3	54.0	-17.1	14.5
-1600	1282	57067.2	67.2	-13.9	26.8	-9.7	10.5
-1600	1255	56851.6	-148.4	-3.7	61.2	-47.0	11.0
-1600	1228	56795.7	-204.3	-2.9	18.9	-35.3	9.1
-1600	1201	56739.8	-260.2	-4.3	8.4	-30.5	9.7
-1600	1174	57051.9	51.9	36.1	8.1	-18.8	10.6
-1600	1147	56986.2	-13.8	8.8	24.3	-4.0	10.5
-1600	1120	56869.4	-130.6	2.2	18.0	0.0	9.3
-1600	1093	56719.0	-281.0	-25.3	7.2	-6.6	8.1
-1600	1066	56786.7	-213.3	-17.7	-16.9	-13.9	8.9
-1600	1039	56918.5	-81.5	7.9	3.0	-4.9	12.0
-1600	1012	56829.8	-170.2	-3.2	13.6	-4.0	10.8
-1600	985	56770.6	-229.4	-7.0	-1.8	-8.0	9.3
-1600	958	56741.2	-258.8	-3.4	-7.3	-4.5	9.4
-1600	931	56655.9	-344.1	-5.1	-9.4	3.0	8.5
-1600	904	56849.3	-150.7	46.8	-31.3	2.6	9.5
-1600	877	56807.2	-192.8	10.4	-44.7	16.7	10.0
-1600	850	56781.7	-218.3	-174.2	-115.2	35.6	26.9
-1600	825	56719.0	-281.0	6.2	-33.3	-43.9	12.0
-1600	800	56844.3	-155.7	-9.5	13.4	-29.2	9.7
-1600	775	57108.0	108.0	1.2	10.3	-18.4	9.5
-1600	750	57126.0	126.0	-23.7	-25.0	-17.7	9.4
-1600	725	57178.0	178.0	-3.1	-45.1	-18.8	8.8
-1600	700	57062.3	62.3	-0.2	-50.6	-13.3	9.5
-1600	675	57045.6	45.6	-6.9	-17.5	-13.1	7.5
-1600	650	57044.0	44.0	-14.3	-31.5	-3.4	8.6
-1600	625	57046.6	46.6	-13.2	-14.4	-2.3	11.9
-1600	600	57226.4	226.4	-0.6	60.5	5.4	9.2
-1600	575	57044.5	44.5	-173.7	-34.1	-26.3	8.2
-1600	550	56959.0	-41.0	-16.3	-4.2	-16.6	9.1
-1600	525	57069.9	69.9	-8.0	-9.2	-13.9	9.2
-1600	500	57098.8	98.8	-18.5	-11.7	-10.1	10.1
-1600	475	57207.1	207.1	24.5	-12.3	-10.9	11.0
-1600	450	57302.4	302.4	79.7	9.2	-12.5	8.7

-1600	425	57009.8	9.8	-25.1	-7.9	-13.4	8.3
-1600	400	57239.9	239.9	-1.5	-7.1	-5.0	8.5
-1600	375	57327.8	327.8	13.1	-20.0	-2.3	8.8
-1600	350	57088.1	88.1	-1.2	-22.9	-1.0	12.2
-1600	325	57052.3	52.3	-25.4	7.8	2.0	9.8
-1600	300	57776.7	776.7	71.0	12.4	12.6	9.4
-1600	275	57146.7	146.7	10.0	12.7	13.6	9.6
-1600	250	56893.5	-106.5	-88.6	17.0	20.7	8.7
-1600	225	57148.2	148.2	-35.6	1.7	11.8	8.3
-1600	200	56948.2	-51.8	-72.5	-9.5	0.9	8.6
-1600	175	57044.9	44.9	-19.1	-16.4	-1.3	10.0
-1600	150	57165.8	165.8	-11.0	-7.7	-0.7	10.1
-1600	125	57333.8	333.8	20.5	-19.4	1.8	9.8
-1600	100	57386.8	386.8	17.0	-100.0	-100.0	-100.0
-1600	100	57388.4	388.4	18.3	-100.0	-100.0	-100.0
-1600	100	57385.9	385.9	17.1	-100.0	-100.0	-100.0
-1600	75	57465.4	465.4	44.0	-100.0	-100.0	-100.0
-1600	50	57177.6	177.6	-23.2	-100.0	-100.0	-100.0
-1600	25	57224.8	224.8	3.0	-59.2	-7.9	7.9
-1600	0	56979.1	-20.9	-31.7	-68.6	0.1	16.8
-1800	1350	57123.8	123.8	-112.3	27.0	7.0	9.2
-1800	1325	57114.9	114.9	13.1	5.6	-12.9	8.3
-1800	1300	57110.4	110.4	34.7	-25.2	-11.1	8.3
-1800	1275	56975.6	-24.4	5.6	-17.5	0.0	10.2
-1800	1250	56880.7	-119.3	6.1	-28.2	6.0	12.5
-1800	1225	56851.7	-148.3	-4.1	-3.4	-1.6	12.1
-1800	1200	56783.6	-216.4	-13.6	0.0	2.0	12.1
-1800	1175	56871.1	-128.9	-3.1	-11.2	-2.9	11.5
-1800	1150	57048.4	48.4	9.3	-0.6	-9.1	12.5
-1800	1125	56968.3	-31.7	2.6	-7.0	-2.3	12.5
-1800	1100	56885.2	-114.8	-1.9	-5.9	-2.2	12.5
-1800	1075	56950.7	-49.3	6.9	-1.8	-1.9	12.1
-1800	1050	56881.7	-118.3	3.7	-1.8	-0.5	11.0
-1800	1025	56832.2	-167.8	-1.8	-14.0	-9.0	10.5
-1800	1000	56883.7	-116.3	-128.4	-13.6	7.5	11.1
-1800	975	56831.7	-168.3	-3.3	-11.9	3.6	12.3
-1800	950	56938.3	-61.7	5.7	-7.9	1.7	13.1
-1800	925	56879.3	-120.7	3.4	-6.2	2.9	14.5
-1800	900	56817.5	-182.5	-1.0	-1.5	6.0	13.4
-1800	875	56784.7	-215.3	0.5	-2.1	15.8	13.9
-1800	850	56747.9	-252.1	-5.2	-31.3	58.7	16.8
-1800	820	56752.1	-247.9	1.4	78.1	-60.0	15.6
-1800	790	56719.4	-280.6	-5.8	45.4	-30.0	11.0
-1800	760	56752.5	-247.5	-5.7	26.7	-19.3	9.8
-1800	730	56844.8	-155.2	15.6	12.2	-13.8	10.2
-1800	700	56679.0	-321.0	-7.1	28.8	-5.7	9.7
-1800	670	56687.5	-312.5	-6.4	6.9	-6.1	9.7
-1800	640	56792.6	-207.4	1.8	3.0	-5.1	9.1
-1800	610	56916.4	-83.6	46.9	4.7	-0.3	9.1
-1800	580	56732.9	-267.1	-17.4	-8.5	-9.5	9.6
-1800	550	56712.9	-287.1	-6.4	-18.4	-0.1	10.3
-1800	525	56735.0	-265.0	-17.6	46.7	4.8	9.8
-1800	500	56948.3	-51.7	51.8	23.1	6.4	9.6
-1800	475	56721.7	-278.3	-43.8	16.8	7.1	8.9
-1800	450	56906.2	-93.8	-17.5	0.5	0.5	9.0
-1800	425	57081.9	81.9	-13.5	9.8	8.3	10.8

-1800	400	57164.6	164.6	35.8	-2.3	6.5	8.8
-1800	375	56925.0	-75.0	-1.4	-9.3	11.9	10.3
-1800	350	56772.0	-228.0	-34.9	-18.8	7.9	9.1
-1800	325	57214.8	214.8	46.7	-28.9	-1.6	11.9
-1800	300	56944.3	-55.7	3.2	-4.8	-0.9	15.5
-1800	275	56936.1	-63.9	-22.7	34.8	8.0	16.4
-1800	250	56885.1	-114.9	-51.0	21.2	7.4	9.6
-1800	225	57111.0	111.0	2.9	6.3	2.9	11.3
-1800	200	57093.5	93.5	41.8	10.3	11.1	11.2
-1800	175	56797.7	-202.3	-15.8	-1.7	1.1	11.3
-1800	150	56959.3	-40.7	2.0	-7.6	-6.3	13.9
-1800	125	56961.8	-38.2	4.2	17.4	6.1	14.8
-1800	100	56976.9	-23.1	3.6	26.6	12.1	13.7
-1800	75	56872.7	-127.3	-25.3	15.2	16.0	12.1
-1800	50	57004.1	4.1	-15.9	3.9	27.5	10.0
-1800	25	57604.3	604.3	83.7	-13.9	63.9	10.4
-1800	0	56936.9	-63.1	-32.6	71.5	-1.6	12.4
-2000	1390	56793.8	-206.2	-21.7	9.0	-9.5	18.6
-2000	1363	56832.6	-167.4	1.7	20.2	-10.5	19.9
-2000	1336	56805.5	-194.5	-2.5	41.9	-10.9	20.5
-2000	1309	56828.7	-171.3	1.8	54.3	-21.8	20.0
-2000	1282	56830.2	-169.8	-5.0	79.9	9.5	16.4
-2000	1255	56833.5	-166.5	-9.5	69.7	-26.1	13.2
-2000	1228	56910.1	-89.9	-1.7	45.5	-27.1	12.8
-2000	1201	56919.1	-80.9	11.1	59.1	10.5	12.3
-2000	1174	56897.3	-102.7	3.4	50.5	-15.4	10.7
-2000	1147	56797.5	-202.5	-14.3	37.4	2.6	9.7
-2000	1120	56884.2	-115.8	-12.2	17.4	-15.4	9.5
-2000	1093	56991.5	-8.5	1.9	2.2	-15.4	10.9
-2000	1066	56999.2	-0.8	13.8	10.8	-4.4	11.5
-2000	1039	57080.5	80.5	6.4	9.5	-1.5	12.2
-2000	1012	57116.9	116.9	-21.7	-2.6	-2.4	10.0
-2000	985	57276.0	276.0	29.2	13.2	10.0	8.9
-2000	958	57000.7	0.7	-2.9	-9.5	-2.7	9.7
-2000	931	56829.5	-170.5	-13.5	-12.7	2.0	10.2
-2000	904	56907.3	-92.7	3.7	-14.4	6.4	11.0
-2000	877	56894.4	-105.6	1.1	-15.8	18.7	10.8
-2000	850	56857.9	-142.1	0.9	-48.4	41.2	11.7
-2000	833	56845.4	-154.6	1.1	9.5	-103.5	14.2
-2000	805	56894.8	-105.2	18.1	-10.7	-67.6	11.1
-2000	777	56824.7	-175.3	1.5	-10.8	-41.5	11.2
-2000	749	56810.1	-189.9	4.6	-6.1	-29.1	10.8
-2000	721	56786.0	-214.0	6.3	-18.4	-26.0	10.4
-2000	693	56759.1	-240.9	2.3	-24.5	-25.4	9.8
-2000	665	56743.2	-256.8	0.0	-20.5	-16.4	9.5
-2000	637	56748.6	-251.4	-1.3	-19.5	-12.3	9.8
-2000	609	56752.0	-248.0	-3.7	14.2	7.5	11.3
-2000	581	56727.3	-272.7	-5.6	-0.7	2.5	9.1
-2000	553	56719.3	-280.7	-6.1	-15.7	1.1	8.5
-2000	525	56712.2	-287.8	-6.6	-14.1	3.4	9.5
-2000	500	56997.6	-2.4	8.5	-3.5	9.7	9.8
-2000	475	56887.4	-112.6	-34.9	-8.3	9.2	10.6
-2000	450	56789.0	-211.0	-17.4	-18.7	8.5	10.0
-2000	425	56853.2	-146.8	7.7	-28.8	10.9	9.6
-2000	400	57117.7	117.7	-2.6	-50.7	6.2	10.6
-2000	375	56956.6	-43.4	4.9	-25.9	-4.7	12.9

-2000	350	57155.7	155.7	58.6	-15.8	-1.9	12.8
-2000	325	56979.9	-20.1	10.5	-11.6	-0.5	14.2
-2000	300	56759.9	-240.1	-2.8	17.4	5.1	12.8
-2000	275	56712.5	-287.5	-1.8	7.1	4.2	12.7
-2000	250	56715.0	-285.0	2.7	37.4	11.7	13.1
-2000	225	56723.8	-276.2	10.8	19.1	11.6	9.4
-2000	200	56671.4	-328.6	-3.6	5.8	7.3	9.0
-2000	175	56653.3	-346.7	-9.3	-0.5	2.5	9.2
-2000	150	57162.1	162.1	96.5	-7.9	3.0	9.8
-2000	125	57190.3	190.3	48.8	-7.2	4.2	9.4
-2000	100	57276.7	276.7	38.3	-21.0	0.3	9.6
-2000	75	57503.6	503.6	82.6	-41.3	-4.8	10.7
-2000	50	57168.8	168.8	35.7	-29.4	2.0	13.0
-2000	25	57047.7	47.7	2.7	-17.5	-1.6	11.1
-2000	0	56768.9	-231.1	-42.2	-58.8	-0.4	20.7
-2200	1375	56998.4	-1.6	6.8	47.2	0.8	11.2
-2200	1350	56983.8	-16.2	1.8	43.4	-1.0	10.8
-2200	1325	56931.1	-68.9	-2.5	37.3	-0.3	10.5
-2200	1300	56920.8	-79.2	-9.3	33.7	-1.7	10.2
-2200	1275	56935.3	-64.7	-2.1	35.4	2.4	10.4
-2200	1250	56893.2	-106.8	-11.8	31.4	-6.5	10.0
-2200	1225	56897.7	-102.3	-0.2	29.0	0.0	9.6
-2200	1200	56881.5	-118.5	-8.9	21.8	-2.9	9.5
-2200	1175	56932.3	-67.7	-10.7	17.6	-3.1	9.3
-2200	1150	56889.7	-110.3	-5.8	13.4	-2.8	9.2
-2200	1125	56800.8	-199.2	-5.9	11.8	-2.8	9.1
-2200	1100	56943.7	-56.3	3.3	8.7	-0.4	8.9
-2200	1075	57037.0	37.0	17.3	3.5	-0.4	8.8
-2200	1050	56951.4	-48.6	-1.7	-1.3	-0.7	8.8
-2200	1025	56896.7	-103.3	-9.7	0.0	8.7	9.4
-2200	1000	56956.0	-44.0	1.4	-6.6	9.7	8.6
-2200	975	56868.2	-131.8	-5.9	-4.5	16.7	8.9
-2200	950	57034.6	34.6	19.2	-15.6	8.8	8.6
-2200	925	56931.5	-68.5	-1.5	-24.7	4.5	8.6
-2200	900	56984.9	-15.1	8.5	-36.0	6.3	9.0
-2200	875	56953.5	-46.5	-0.7	-61.3	3.5	10.4
-2200	850	57132.9	132.9	29.0	-54.1	33.0	9.8
-2200	825	56917.0	-83.0	-1.8	-127.7	68.2	15.5
-2200	798	56807.4	-192.6	1.5	34.2	-32.9	12.3
-2200	771	56852.2	-147.8	3.5	31.5	7.0	10.1
-2200	744	56971.4	-28.6	15.3	2.3	10.9	9.3
-2200	717	56815.1	-184.9	-13.0	-3.5	1.3	10.0
-2200	690	56949.3	-50.7	4.8	-6.1	7.2	10.2
-2200	663	57010.9	10.9	4.1	-12.8	5.3	11.2
-2200	636	56944.9	-55.1	2.4	-6.4	17.4	12.4
-2200	609	56869.0	-131.0	-3.5	-7.9	5.4	13.1
-2200	582	56858.4	-141.6	0.5	-6.5	9.4	12.9
-2200	555	56815.8	-184.2	-2.0	-15.7	5.2	12.8
-2200	528	56810.6	-189.4	-2.9	0.1	14.5	13.6
-2200	500	56884.3	-115.7	-1.3	0.8	10.9	14.5
-2200	475	57118.4	118.4	25.0	-0.3	5.2	14.2
-2200	450	57011.4	11.4	9.5	2.6	5.4	14.3
-2200	425	56881.3	-118.7	-1.7	4.5	5.5	14.3
-2200	400	56845.2	-154.8	-4.3	1.6	3.0	14.8
-2200	375	57040.3	40.3	14.7	-2.5	5.6	14.9
-2200	350	57098.7	98.7	4.5	-1.0	7.9	15.3

-2200	325	56911.0	-89.0	1.8	-3.0	4.0	16.0
-2200	300	56926.5	-73.5	8.3	11.3	2.7	16.2
-2200	275	56804.3	-195.7	-3.5	16.1	2.0	14.5
-2200	250	56840.0	-160.0	1.9	14.2	1.7	13.3
-2200	225	56822.6	-177.4	-1.9	9.1	0.8	12.3
-2200	200	56812.6	-187.4	-0.2	11.7	4.7	12.1
-2200	175	56807.5	-192.5	-0.3	23.8	9.5	11.0
-2200	150	56762.4	-237.6	-2.0	-10.9	3.9	10.5
-2200	125	56751.6	-248.4	-0.1	1.4	13.3	10.4
-2200	100	56764.9	-235.1	0.0	-17.2	6.3	11.9
-2200	75	56735.1	-264.9	1.6	-1.3	19.3	12.9
-2200	50	56762.0	-238.0	1.0	2.7	22.7	12.6
-2200	25	56823.3	-176.7	-3.6	-17.9	31.7	15.8
-2200	0	56809.2	-190.8	-32.4	-48.9	55.5	23.9
-2400	1375	56976.6	-23.4	-10.0	21.4	-5.2	12.3
-2400	1350	56939.3	-60.7	-1.1	18.1	-6.6	12.1
-2400	1325	56951.3	-48.7	3.4	17.6	-4.5	11.7
-2400	1300	56931.6	-68.4	-0.9	12.1	-5.7	11.3
-2400	1275	56920.3	-79.7	-8.8	7.9	-6.9	11.2
-2400	1250	57091.5	91.5	41.0	13.4	0.8	11.1
-2400	1225	56865.9	-134.1	-8.1	7.4	-3.0	10.8
-2400	1200	56855.0	-145.0	-7.0	2.1	-5.8	10.6
-2400	1175	56858.3	-141.7	-3.7	-2.4	-6.1	10.5
-2400	1150	56875.4	-124.6	-5.7	-4.9	-7.8	10.5
-2400	1125	56828.9	-171.1	-15.4	-7.4	-4.0	10.9
-2400	1100	56974.8	-25.2	-0.3	-9.7	-0.9	10.5
-2400	1075	56925.5	-74.5	-17.2	-14.6	-1.8	10.3
-2400	1050	56929.7	-70.3	-16.8	-19.3	-3.5	10.3
-2400	1025	56918.0	-82.0	-8.3	-27.5	-8.3	10.7
-2400	1000	56934.0	-66.0	3.6	-20.0	14.6	11.1
-2400	975	56872.6	-127.4	-1.5	-27.8	5.0	11.3
-2400	950	56872.4	-127.6	-4.3	-35.3	9.0	10.8
-2400	925	57043.0	43.0	12.4	-45.9	7.3	11.0
-2400	900	56906.0	-94.0	1.5	-61.0	6.1	11.8
-2400	875	56991.0	-9.0	9.8	-79.1	18.1	12.5
-2400	850	56853.7	-146.3	-17.5	-157.7	62.9	18.4
-2400	825	56850.5	-149.5	-2.2	164.6	-138.2	19.1
-2400	800	57097.4	97.4	109.5	16.9	-36.4	10.1
-2400	775	57119.9	119.9	73.2	-25.8	-35.0	11.0
-2400	750	56833.2	-166.8	8.6	-52.5	-21.4	15.7
-2400	725	56849.8	-150.2	4.8	-22.8	-5.8	17.0
-2400	700	56820.7	-179.3	-8.1	-22.3	-3.5	16.3
-2400	675	56965.1	-34.9	2.8	-13.5	-0.7	16.1
-2400	650	56924.0	-76.0	-5.3	-5.5	0.7	16.7
-2400	625	57087.7	87.7	29.2	14.8	2.3	18.0
-2400	600	56883.0	-117.0	-8.1	62.4	18.0	14.4
-2400	575	56820.2	-179.8	0.3	-0.3	3.6	9.6
-2400	550	57117.6	117.6	59.4	-11.6	1.6	13.4
-2400	525	56894.6	-105.4	2.2	-4.2	6.7	11.6
-2400	500	56840.3	-159.7	3.3	-1.5	5.2	11.7
-2400	475	56790.6	-209.4	-6.2	-8.2	3.1	12.0
-2400	450	56871.3	-128.7	3.3	-10.8	0.6	12.2
-2400	425	56913.6	-86.4	4.7	-6.6	2.3	13.9
-2400	400	57012.5	12.5	3.0	-3.6	4.2	13.4
-2400	375	57019.5	19.5	15.0	-5.8	2.4	13.5
-2400	350	56835.9	-164.1	-8.1	-5.2	1.9	13.1

-2400	325	56779.7	-220.3	-5.4	-7.8	1.7	13.7
-2400	300	56750.3	-249.7	-8.9	12.5	3.9	15.9
-2400	275	56729.1	-270.9	-3.9	13.2	9.2	10.5
-2400	250	56731.1	-268.9	-6.6	-2.5	8.6	10.6
-2400	225	56744.4	-255.6	-2.0	-10.1	7.2	12.1
-2400	200	56769.6	-230.4	3.4	-4.1	7.8	13.4
-2400	175	56771.7	-228.3	1.4	-0.6	6.9	13.6
-2400	150	56742.3	-257.7	-3.7	-1.6	7.0	13.2
-2400	125	56737.3	-262.7	-0.7	-4.5	5.8	14.4
-2400	100	56762.4	-237.6	2.0	0.8	7.9	14.5
-2400	75	56755.6	-244.4	-1.5	1.1	8.1	14.6
-2400	50	56742.4	-257.6	-0.6	10.3	11.5	14.1
-2400	25	56731.0	-269.0	-2.4	-4.6	14.2	12.9
-2400	0	56718.4	-281.6	-7.0	-23.9	23.8	14.6
-2600	1375	57216.3	216.3	11.9	13.5	-8.3	13.2
-2600	1350	56997.1	-2.9	1.2	12.2	-5.4	12.6
-2600	1325	56958.0	-42.0	-10.6	6.6	-8.1	12.6
-2600	1300	56954.5	-45.5	-30.7	1.1	-10.7	12.8
-2600	1275	57190.3	190.3	50.6	1.3	-9.3	12.5
-2600	1250	57121.6	121.6	21.4	-0.1	-8.0	12.6
-2600	1225	57055.3	55.3	61.4	-4.2	-10.0	12.7
-2600	1200	56898.0	-102.0	0.6	-7.2	-9.9	12.7
-2600	1175	56866.1	-133.9	5.1	-8.3	-9.7	12.6
-2600	1150	56875.0	-125.0	4.2	-16.7	-9.8	13.2
-2600	1125	56846.4	-153.6	-3.0	-19.8	-10.1	13.3
-2600	1100	56817.1	-182.9	-5.6	-29.6	-11.5	13.7
-2600	1075	56830.9	-169.1	-21.5	-35.4	-11.0	13.7
-2600	1050	56804.8	-195.2	-10.8	-37.8	-8.2	14.2
-2600	1025	57160.4	160.4	6.4	-43.7	-9.9	14.3
-2600	1000	56962.1	-37.9	2.6	-52.8	-9.4	16.0
-2600	975	57031.5	31.5	-27.2	-61.6	-10.0	17.6
-2600	950	57136.5	136.5	-3.2	-59.6	-3.4	20.4
-2600	925	56822.8	-177.2	1.0	-48.5	7.2	21.4
-2600	900	56802.4	-197.6	1.1	-36.3	23.6	20.8
-2600	875	56798.8	-201.2	0.9	-46.5	17.6	23.0
-2600	850	56798.7	-201.3	-9.3	-47.0	26.3	25.1
-2600	825	57239.5	239.5	-17.0	87.6	-159.7	21.9
-2600	800	57201.4	201.4	3.9	10.8	-21.9	14.2
-2600	775	57031.5	31.5	-2.6	11.9	-4.7	14.6
-2600	750	56985.8	-14.2	4.3	1.4	-4.5	13.5
-2600	725	57092.2	92.2	10.7	4.6	-2.7	13.7
-2600	700	57238.4	238.4	11.0	24.1	7.3	10.6
-2600	675	57031.5	31.5	-8.3	-5.8	-4.5	10.3
-2600	650	57275.7	275.7	60.3	-27.3	-10.4	12.4
-2600	625	57008.4	8.4	-1.8	-4.9	2.0	14.4
-2600	600	56979.7	-20.3	11.6	2.7	5.8	14.9
-2600	575	57012.8	12.8	-5.6	22.3	15.8	13.2
-2600	550	57058.9	58.9	9.8	-6.9	8.8	12.1
-2600	525	57009.1	9.1	11.1	-15.4	7.7	13.4
-2600	500	57008.9	8.9	11.2	-14.8	7.7	13.5
-2600	475	56936.9	-63.1	3.0	-16.9	9.2	13.3
-2600	450	56905.6	-94.4	5.1	-4.5	7.7	14.5
-2600	425	56882.8	-117.2	2.3	-0.3	8.2	14.1
-2600	400	56871.4	-128.6	2.3	13.0	11.8	13.9
-2600	375	56829.0	-171.0	-0.6	-1.3	10.3	13.2
-2600	350	56834.1	-165.9	4.8	2.8	9.3	13.9

-2600	325	56825.1	-174.9	1.7	10.3	11.0	13.5	
-2600	300	56779.8	-220.2	-2.2	6.2	1.4	13.8	
-2600	275	56744.1	-255.9	-2.8	3.1	4.0	14.1	
-2600	250	56747.5	-252.5	-0.7	7.9	3.7	14.5	
-2600	225	56710.5	-289.5	-3.4	10.9	3.6	14.0	
-2600	200	56727.3	-272.7	-0.8	11.1	3.8	13.4	
-2600	175	56757.3	-242.7	-2.5	8.0	1.8	13.0	
-2600	150	56812.9	-187.1	-2.1	6.4	0.4	13.2	
-2600	125	56868.7	-131.3	1.2	8.3	2.2	13.5	
-2600	100	56873.8	-126.2	-1.6	8.1	4.5	13.2	
-2600	75	56977.3	-22.7	3.4	8.7	4.7	13.0	
-2600	50	57051.7	51.7	14.6	3.6	7.7	12.1	
-2600	25	57091.3	91.3	-8.1	-4.7	11.7	12.3	
-2600	0	57048.4	48.4	-20.2	-53.1	30.1	16.0	
-2800	1375	56809.3	-190.7	-15.4	2.9	-6.5	21.2	
-2800	1350	56809.7	-190.3	-0.6	-0.7	-9.8	21.6	
-2800	1325	57010.7	10.7	24.8	3.3	-5.1	20.8	
-2800	1300	57095.9	95.9	-4.1	1.7	-3.2	21.8	
-2800	1275	57172.5	172.5	2.5	0.9	-3.1	21.4	
-2800	1250	56956.3	-43.7	1.8	-7.9	-6.3	22.2	
-2800	1225	57005.5	5.5	43.5	-16.3	-10.4	21.3	
-2800	1201	56919.5	-80.5	2.3	-15.3	-8.4	21.9	
-2800	1174	56967.6	-32.4	-6.4	-15.3	-6.9	22.3	
-2800	1147	57120.6	120.6	13.8	-14.3	-5.0	22.1	
-2800	1120	57110.6	110.6	15.4	-17.2	-5.9	22.4	
-2800	1093	56944.2	-55.8	-9.7	-6.7	-8.9	23.1	
-2800	1066	56945.4	-54.6	3.7	-78.2	6.9	27.3	
-2800	1039	56919.2	-80.8	-11.4	-47.4	17.7	27.4	
-2800	1012	57098.6	98.6	2.1	-57.8	36.6	28.3	
-2800	985	57023.7	23.7	4.5	11.3	-56.6	21.9	
-2800	958	57002.2	2.2	7.1	2.4	-15.8	27.2	
-2800	931	56958.6	-41.4	5.8	-1.9	-11.8	28.6	
-2800	904	56913.5	-86.5	3.3	9.1	-10.2	31.7	
-2800	877	56883.8	-116.2	3.1	5.8	-12.1	29.5	
-2800	850	56892.2	-107.8	0.8	10.5	-11.9	31.9	
-2800	825	56950.7	-49.3	-45.9	62.7	4.2	32.9	
-2800	800	56937.7	-62.3	-0.3	37.0	-10.5	25.8	
-2800	775	56927.1	-72.9	-3.3	34.2	-13.2	22.4	
-2800	750	56908.8	-91.2	-1.0	23.9	-19.1	21.4	
-2800	725	56885.7	-114.3	-3.8	21.0	-14.6	20.9	
-2800	700	56913.0	-87.0	2.5	12.7	-16.6	20.6	
-2800	675	56892.2	-107.8	0.2	9.9	-14.9	20.8	
-2800	650	56921.9	-78.1	6.0	9.6	-13.0	20.9	
-2800	625	56876.5	-123.5	2.1	11.9	-10.2	20.2	
-2800	600	56827.5	-172.5	-1.2	23.0	-3.3	19.9	
-2800	575	56939.2	-60.8	29.6	14.4	-6.5	17.2	
-2800	550	56949.8	-50.2	12.7	-7.8	-12.0	16.7	
-2800	525	56890.7	-109.3	9.2	-15.2	-12.8	20.7	
-2800	500	56899.6	-100.4	7.6	-4.5	-8.1	21.3	
-2800	475	56885.1	-114.9	8.1	0.5	-5.7	22.6	
-2800	450	56872.7	-127.3	0.9	6.9	-3.6	21.8	
-2800	425	56895.8	-104.2	6.3	9.7	-2.9	23.8	
-2800	400	56807.5	-192.5	-0.9	8.3	-2.5	22.8	
-2800	375	56886.5	-113.5	1.3	11.2	-4.1	21.6	
-2800	350	56817.1	-182.9	3.7	2.0	-3.2	22.6	
-2800	325	56836.1	-163.9	-12.1	11.0	-3.4	22.7	

-2800	300	56827.4	-172.6	-9.5	9.5	-5.7	23.5
-2800	275	56928.5	-71.5	-2.3	17.5	-1.8	21.4
-2800	250	56826.1	-173.9	-3.8	5.0	-6.8	21.2
-2800	225	56773.3	-226.7	-28.6	-1.5	-7.3	24.5
-2800	200	56902.8	-97.2	-28.9	9.8	-3.4	26.0
-2800	175	57291.7	291.7	33.6	21.2	0.8	24.4
-2800	150	57572.6	572.6	47.7	32.6	11.1	20.4
-2800	125	57042.7	42.7	-39.2	18.2	1.4	20.1
-2800	100	57053.6	53.6	-54.3	3.2	-6.5	21.7
-2800	75	57438.4	438.4	48.2	-17.2	-18.4	21.2
-3000	1300	56977.2	-22.8	-5.5	-2.5	7.9	27.0
-3000	1275	57021.7	21.7	21.0	7.0	-4.5	26.8
-3000	1250	57203.0	203.0	101.9	-14.6	-1.1	25.0
-3000	1225	56987.9	-12.1	6.1	3.9	6.8	26.8
-3000	1200	57120.5	120.5	23.4	-6.2	-4.9	24.2
-3000	1175	56992.9	-7.1	0.8	-6.1	-2.0	24.1
-3000	1150	56976.2	-23.8	3.2	-12.9	-8.1	22.8
-3000	1125	57069.9	69.9	-7.6	-21.1	-11.2	23.8
-3000	1100	56951.3	-48.7	-8.2	-34.8	-17.5	25.7
-3000	1075	56893.6	-106.4	-0.4	-31.6	-9.6	29.3
-3000	1050	56933.9	-66.1	-1.1	-20.7	-4.3	31.6
-3000	1025	56889.4	-110.6	-2.5	-11.8	-3.0	31.1
-3000	1000	56920.8	-79.2	-0.4	-8.3	-3.2	36.0
-3000	975	56954.1	-45.9	0.0	1.2	-5.5	35.9
-3000	950	56981.7	-18.3	7.9	12.8	-7.6	37.0
-3000	925	56806.1	-193.9	-2.0	9.0	-8.9	39.1
-3000	900	56861.3	-138.7	5.4	36.1	-8.5	36.4
-3000	875	56866.2	-133.8	1.8	61.2	-4.6	32.2
-3000	850	56897.8	-102.2	-9.1	48.9	-6.5	28.1
-3000	825	57111.8	111.8	14.6	33.6	-16.0	29.9
-3000	800	57148.4	148.4	69.2	44.8	-3.2	22.4
-3000	775	57125.7	125.7	6.7	39.1	-5.8	23.2
-3000	750	56878.8	-121.2	0.3	29.5	-9.7	20.3
-3000	725	56819.5	-180.5	-8.0	14.2	-19.1	22.8
-3000	700	56843.8	-156.2	-0.7	70.9	22.7	26.5
-3000	675	56861.4	-138.6	-3.5	46.4	9.0	21.3
-3000	650	56876.6	-123.4	4.1	35.1	1.1	19.7
-3000	625	56841.6	-158.4	2.4	21.5	-4.1	18.6
-3000	600	56736.7	-263.3	9.6	14.4	-7.3	18.5
-3000	575	56755.4	-244.6	1.2	4.5	-10.3	18.1
-3000	550	56830.0	-170.0	-5.4	-7.5	-16.9	18.7
-3000	525	56796.0	-204.0	-0.9	-26.8	-23.4	19.0
-3000	500	56726.1	-273.9	-0.1	-34.1	-13.9	27.8
-3000	475	56800.6	-199.4	-7.8	-13.8	-5.4	24.7
-3000	450	56891.5	-108.5	0.2	9.5	-0.2	31.1
-3000	425	56878.3	-121.7	-0.4	58.0	11.9	30.9
-3000	400	56891.2	-108.8	1.0	46.5	19.8	22.2
-3000	375	56878.4	-121.6	2.2	22.7	8.8	20.2
-3000	350	56837.0	-163.0	-2.7	10.8	6.0	22.1
-3000	325	56988.4	-11.6	-6.1	8.5	-9.0	22.4
-3000	300	56934.9	-65.1	-8.3	12.5	-1.9	21.5
-3000	275	56865.2	-134.8	-0.7	9.1	-1.1	20.1
-3000	250	56927.1	-72.9	11.3	-0.8	-5.7	17.5
-3000	225	56853.1	-146.9	2.1	-0.5	-5.9	17.3
-3000	200	56784.1	-215.9	-10.3	-6.7	-3.5	17.5
-3000	175	56767.7	-232.3	-4.3	-8.9	-5.6	17.3

-3000	150	56802.9	-197.1	-6.3	-16.9	-7.2	17.9
-3000	125	56829.3	-170.7	-31.9	-19.7	-8.3	18.8
-3000	100	57228.4	228.4	46.6	-19.3	-8.7	19.9
-3000	75	57317.8	317.8	-2.6	-11.9	-5.4	21.2
-3000	50	57616.7	616.7	87.9	-17.5	-5.9	19.9
-3000	25	57063.2	63.2	-9.1	-20.2	-8.3	21.9

May 22, 1991

Part E

Line 0 - 14 E
Stat 0 - 1100 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gam

VLF Cuttler Orientation striking grid at 93 d
VIP = Veritcal In Phase with Total Field Amplitude
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Unit
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
1400	1100	56983.7	-16.3	-37.9	40.3	-1.8	49.4
1400	1080	56985.2	-14.8	2.7	1.4	-2.0	42.8
1400	1063	56974.2	-25.8	2.8	-1.4	-1.0	43.6
1400	1040	56955.9	-44.1	4.2	-2.2	-0.4	44.6
1400	1017	56942.0	-58.0	3.3	-2.6	0.0	44.7
1400	994	56913.4	-86.6	3.0	-1.6	0.0	45.4
1400	971	56899.3	-100.7	-13.6	-3.1	-1.0	46.5
1400	948	56873.5	-126.5	2.0	-4.4	0.9	46.2
1400	925	56861.5	-138.5	3.9	-4.6	1.1	48.6
1400	905	56850.0	-150.0	2.5	-3.5	0.9	50.1
1400	882	56841.5	-158.5	1.4	-4.1	0.7	51.8
1400	859	56845.2	-154.8	4.4	-1.4	-1.4	52.5
1400	836	56819.8	-180.2	1.3	0.0	-2.4	51.8
1400	813	56776.4	-223.6	-1.3	-0.8	-1.1	51.3
1400	790	56737.7	-262.3	1.1	-3.0	1.3	52.4
1400	767	56737.8	-262.2	-3.5	-5.5	1.6	54.3
1400	744	56749.3	-250.7	-3.4	-1.5	0.5	55.6
1400	721	56755.4	-244.6	-0.3	-1.5	-0.1	56.3
1400	698	56779.5	-220.5	-3.6	0.5	0.5	57.5
1400	675	56834.9	-165.1	0.9	0.5	0.3	59.2
1400	648	56880.1	-119.9	1.9	2.7	-0.5	61.5
1400	621	56897.7	-102.3	1.2	0.0	0.9	63.5
1400	594	56908.0	-92.0	1.9	1.2	0.1	64.7
1400	567	56913.2	-86.8	-0.1	1.5	4.9	65.6
1400	540	56935.8	-64.2	4.4	-0.4	3.7	65.0
1400	513	56937.3	-62.7	2.3	-3.4	1.4	66.6
1400	486	56946.7	-53.3	0.5	-4.5	1.5	72.3
1400	459	56997.9	-2.1	1.5	-5.1	-0.5	74.6
1400	432	57026.5	26.5	-1.2	-5.4	-2.4	77.6
1400	405	57139.2	139.2	4.2	0.6	-8.0	84.5
1400	378	57194.8	194.8	5.4	11.3	-15.0	87.0
1400	351	57017.3	17.3	-7.4	37.1	-5.9	72.5
1400	324	56842.7	-157.3	-134.6	40.4	5.3	54.9
1400	297	57939.9	939.9	26.7	22.4	-4.5	51.0
1400	270	57518.5	518.5	16.4	15.9	-6.1	51.8
1400	243	57481.6	481.6	36.1	10.6	-1.8	49.4

1400	216	58074.7	1074.7	113.1	3.2	-1.5	46.7
1400	189	57552.2	552.2	-61.0	-5.2	-4.1	44.6
1400	162	57944.3	944.3	45.5	-19.2	-5.9	44.4
1400	135	57507.5	507.5	-28.9	-31.9	-7.0	47.2
1400	108	57936.1	936.1	58.6	-46.7	-10.3	51.6
1400	81	56780.0	-220.0	-95.0	-61.9	-25.9	63.2
1400	54	57293.0	293.0	8.0	-37.4	20.3	80.2
1400	27	57282.6	282.6	-12.0	3.4	21.0	74.0
1400	0	57168.5	168.5	3.4	-0.2	14.0	69.1
1200	1100	57053.9	53.9	-3.6	23.7	0.1	33.9
1200	1075	57101.4	101.4	6.7	3.3	-0.4	32.9
1200	1050	57092.0	92.0	7.1	0.9	0.2	33.9
1200	1025	57036.8	36.8	2.3	2.7	0.3	33.0
1200	1000	57026.8	26.8	4.6	4.4	0.5	32.0
1200	975	57010.1	10.1	4.7	4.9	1.3	31.1
1200	950	56994.6	-5.4	2.5	4.4	1.6	29.6
1200	925	56986.5	-13.5	3.6	1.1	2.0	29.2
1200	900		-28.5	1.4	-0.7	2.6	39.8
1200	875		-47.2	1.8	0.1	1.9	40.2
1200	850		-68.5	2.3	-1.9	1	40.8
1200	825		-87.5	1	0.8	0.4	40.8
1200	800		-90.2	1.6	1.5	1.5	41.7
1200	775		-97	-0.3	3.7	1.3	42.3
1200	750		-137.8	-1.3	-0.4	0.9	42.1
1200	725		-151.7	-3.2	-1.2	1.3	42.8
1200	700		-136.8	-2.8	-4.5	0.2	43.8
1200	675		-104.4	0.5	-4.8	-3.3	45.8
1200	650		-69.8	-1.1	-1.9	-5.7	46.4
1200	625		6.1	6.2	-2.9	-7.5	47.2
1200	600		-34.8	1	-3.8	-6.7	47.6
1200	577		-57	-4.8	-5.4	-8	49.1
1200	554		152.5	-8.1	0.4	-9.7	54.3
1200	531		273.2	8.7	4.2	-13.3	56.5
1200	508		287.3	10.2	6.6	-14.3	55.2
1200	485		146.3	3.3	10.6	-16.2	54.8
1200	462	57066.2					
1200	462		66.2	-3.9	12.5	-17.6	55.3
1200	439	56816.3	-183.7	-21.5	29.5	-11.4	51.2
1200	439		-183.7	-21.5	29.5	-11.4	51.2
1200	416	56958.7	-41.3	2.8	36.2	-1.2	44.5
1200	393	57114.5	114.5	9.5	22.9	-0.9	36.4
1200	370	56802.3	-197.7	-47.5	18.7	-4.0	35.6
1200	347	57014.1	14.1	31.1	2.3	-4.0	37.8
1200	324	56897.2	-102.8	-17.8	-15.8	-7.7	37.1
1200	301	57471.2	471.2	113.0	-32.9	-9.7	44.8
1200	278	57556.7	556.7	26.8	-56.6	-10.4	52.5
1200	255	57383.5	383.5	8.2	-60.2	-10.0	54.5
1200	232	56981.8	-18.2	-21.7	-99.99	-99.99	-99.99
1200	209	57127.6	127.6	3.5	-15.6	-3.1	64.1
1200	186	57062.1	62.1	0.0	-4.0	-4.8	68.0
1200	163	57032.5	32.5	0.1	7.7	-8.8	62.0
1200	140	56989.9	-10.1	1.6	0.7	-9.1	55.1
1200	117	56897.0	-103.0	-1.4	-8.4	-1.5	53.9
1200	94	56815.3	-184.7	-4.4	-12.4	7.0	58.4
1200	71	56802.1	-197.9	-4.9	-0.1	5.0	61.4
1200	48	56794.5	-205.5	-3.4	3.6	-0.3	58.2

1200	25	56797.2	-202.8	-3.9	2.6	-2.0	58.7
1200	0	56787.9	-212.1	22.7	-3.7	-10.4	58.9
1000	1100	56907.5	-92.5	-7.6	4.6	19.7	31.9
1000	1075	56911.9	-88.1	-0.4	-0.7	14.7	34.7
1000	1050	56919.6	-80.4	-2.3	0.8	6.9	33.7
1000	1025	56940.6	-59.4	-4.5	-0.6	2.0	33.0
1000	1000	56999.4	-0.6	2.1	-0.4	2.0	33.5
1000	975	56953.9	-46.1	-2.8	0.3	3.3	34.3
1000	950	56948.8	-51.2	0.5	0.7	4.8	33.6
1000	925	56912.5	-87.5	-8.7	-0.6	4.4	34.0
1000	900	56929.7	-70.3	1.4	-3.2	4.2	34.4
1000	875	56942.0	-58.0	1.8	-3.1	4.5	35.0
1000	850	56961.1	-38.9	3.3	-2.3	3.4	35.7
1000	825	56985.3	-14.7	3.0	-0.4	1.6	36.2
1000	800	57013.4	13.4	2.2	1.5	0.0	36.8
1000	775	57048.4	48.4	3.5	0.7	-1.5	37.2
1000	750	57093.2	93.2	5.0	3.9	-2.1	37.9
1000	725	57130.7	130.7	11.7	7.8	-2.4	38.1
1000	700	57053.6	53.6	3.6	2.1	-7.9	39.0
1000	675	56971.1	-28.9	2.9	11.9	-21.3	46.9
1000	650	56748.8	-251.2	-24.8	44.7	-23.8	50.0
1000	625	57202.9	202.9	13.5	54.5	-17.5	32.2
1000	600	57304.6	304.6	34.7	37.5	-17.2	28.7
1000	575	57890.8	890.8	122.8	20.8	-17.2	28.7
1000	550	58063.6	1063.6	91.5	10.9	-10.6	27.9
1000	525	57432.8	432.8	-61.7	-9.1	-15.2	29.0
1000	502	57321.9	321.9	-14.2	-47.5	-16.0	36.4
1000	479	56948.7	-51.3	-5.0	-16.4	-4.7	64.1
1000	456	57090.3	90.3	5.9	34.9	-12.5	72.6
1000	433	56929.0	-71.0	23.7	80.0	-15.7	57.2
1000	410	57569.0	569.0	57.7	69.4	-18.7	41.6
1000	387	57109.5	109.5	-56.6	53.5	-21.8	37.8
1000	364	57216.5	216.5	27.7	34.5	-22.2	34.5
1000	341	57307.8	307.8	30.4	25.3	-21.8	35.0
1000	318	57651.9	651.9	59.9	24.4	-17.1	34.3
1000	295	56814.5	-185.5	-115.5	18.9	-18.3	34.0
1000	272	57366.9	366.9	21.7	14.7	-15.1	36.4
1000	249	56922.4	-77.6	-24.6	11.1	-13.9	35.8
1000	225	56931.6	-68.4	-5.2	9.3	-12.6	35.9
1000	200	56923.1	-76.9	-10.7	6.7	-10.4	34.9
1000	175	57235.1	235.1	39.2	4.8	-7.2	35.2
1000	150	57170.5	170.5	-51.8	-0.6	-6.2	34.6
1000	125	56886.1	-113.9	-8.6	-3.9	-5.1	35.3
1000	100	57060.8	60.8	-34.4	-9.6	-6.2	35.1
1000	75	56332.9	-667.1	-60.2	-21.2	-7.6	35.3
1000	50	55210.8	-1789.2	-103.7	-39.0	-10.5	37.5
1000	50	55186.8	-1813.2	-381.3	-38.3	-11.9	38.7
1000	25	57174.2	174.2	17.8	-29.6	1.2	43.2
1000	0	57291.6	291.6	-40.2	-23.1	-1.9	53.2
800	1100	57466.9	466.9	-47.8	-2.4	11.2	36.5
800	1075	57337.7	337.7	2.4	-2.2	4.0	37.0
800	1050	57251.7	251.7	2.9	-3.2	2.6	37.4
800	1025	57202.3	202.3	2.2	-2.4	0.0	38.3
800	1000	57198.2	198.2	5.5	-2.6	-0.2	38.1
800	975	57170.4	170.4	4.5	0.7	-3.4	39.9
800	950	57157.6	157.6	5.2	1.6	-4.8	40.8

800	925	57150.1	150.1	2.7	3.9	-5.1	40.3
800	900	57149.3	149.3	5.1	1.9	-5.0	40.3
800	875	57144.0	144.0	4.5	7.2	-6.1	40.4
800	850	57135.6	135.6	4.2	6.2	-3.1	38.4
800	825	57154.5	154.5	4.4	2.3	-0.3	37.2
800	800	57168.8	168.8	2.3	-99.99	-99.99	-99.99
800	775	57179.6	179.6	3.5	-99.99	-99.99	-99.99
800	750	57149.2	149.2	5.0	-2.2	-1.5	39.6
800	725	57161.3	161.3	8.5	-2.1	-3.0	41.9
800	700	57171.8	171.8	6.8	-2.1	-3.4	43.1
800	675	57167.8	167.8	7.5	4.1	-11.0	50.2
800	650	57015.2	15.2	-0.1	24.4	-22.1	59.1
800	625	56648.5	-351.5	32.3	84.3	-19.1	43.6
800	599	57072.3	72.3	-97.0	50.9	-21.6	33.9
800	576	57151.9	151.9	10.1	29.2	-21.6	30.4
800	553	57042.7	42.7	-9.8	6.9	-20.0	27.9
800	530	56942.4	-57.6	13.0	-104.3	-5.4	41.6
800	507	57066.5	66.5	4.7	94.0	-73.8	42.0
800	484	57210.9	210.9	34.9	11.0	-49.8	33.6
800	461	56988.5	-11.5	-14.2	-5.2	-33.0	34.4
800	438	57103.1	103.1	9.5	4.1	-19.0	42.1
800	415	56995.1	-4.9	7.6	7.3	-14.7	44.7
800	392	56933.8	-66.2	-4.9	18.2	-11.1	41.3
800	369	56886.0	-114.0	-6.3	-11.3	-19.6	35.8
800	346	56800.5	-199.5	-16.9	-16.3	-19.3	35.9
800	323	57104.2	104.2	11.7	-22.2	-16.6	35.8
800	300	56805.8	-194.2	-4.4	-28.3	-8.7	41.7
800	275	56656.8	-343.2	-6.4	-40.2	-5.0	46.2
800	250	56745.7	-254.3	3.6	-27.2	4.8	54.0
800	225	56781.6	-218.4	1.6	-12.3	5.4	56.2
800	200	56788.8	-211.2	-1.6	-4.8	0.6	55.9
800	175	56816.4	-183.6	4.4	2.4	-4.2	56.8
800	150	56800.3	-199.7	5.8	24.7	-5.4	56.5
800	125	56635.3	-364.7	-56.0	67.5	29.7	45.4
800	100	56836.9	-163.1	-11.5	56.0	19.1	34.5
800	75	56680.4	-319.6	-4.9	13.9	14.6	30.0
800	50	56645.4	-354.6	-49.0	1.8	6.6	32.6
800	25	56786.1	-213.9	2.3	-8.4	2.6	33.2
800	0	56871.7	-128.3	45.3	-47.4	-20.9	42.9
600	1085	57515.2	515.2	14.0	-99.99	-99.99	-99.99
600	1057.5	57462.7	462.7	8.3	-99.99	-99.99	-99.99
600	1030	57341.5	341.5	-0.7	-99.99	-99.99	-99.99
600	1002.5	57219.7	219.7	0.0	3.1	1.7	13.0
600	975	57098.5	98.5	-2.8	-1.2	-2.2	12.8
600	947.5	57059.0	59.0	-2.4	0.1	-0.8	13.2
600	920	57026.8	26.8	0.4	2.0	-0.1	13.5
600	892.5	56992.4	-7.6	0.7	3.7	2.2	12.7
600	865	56930.4	-69.6	-5.0	-5.5	-1.4	12.8
600	837.5	56943.3	-56.7	-3.9	-5.6	1.1	13.5
600	810	56977.8	-22.2	-1.4	-4.9	2.8	14.0
600	782.5	57043.2	43.2	-2.1	-2.4	0.1	14.4
600	755	57210.1	210.1	4.6	-1.1	-1.4	14.3
600	727.5	57234.0	234.0	0.0	-1.5	-2.0	14.7
600	700	57275.3	275.3	5.7	2.7	4.1	14.7
600	675	57225.2	225.2	-0.4	0.0	3.3	14.5
600	650	57239.4	239.4	-2.0	-0.7	1.5	15.0

600	625	57278.3	278.3	1.7	0.2	2.1	15.3
600	600	57328.4	328.4	4.3	-1.3	0.3	15.6
600	575	57316.7	316.7	0.2	-0.8	0.0	15.8
600	550	57260.2	260.2	-0.4	-3.0	0.0	15.3
600	525	57206.2	206.2	1.8	43.1	-29.0	16.5
600	500	57019.0	19.0	-19.0	33.7	-22.3	12.5
600	474	57033.8	33.8	-3.5	31.6	-4.6	13.0
600	448	56955.7	-44.3	-9.7	11.2	-12.5	12.7
600	422	56945.4	-54.6	7.8	1.5	-12.4	13.3
600	396	57094.7	94.7	13.3	-26.0	-11.4	15.6
600	370	57010.6	10.6	8.7	-22.4	-5.5	20.7
600	344	56889.1	-110.9	-2.0	10.9	3.5	14.3
600	318	56878.7	-121.3	-6.0	-16.4	-7.2	13.8
600	292	56840.2	-159.8	5.0	-15.8	0.8	18.2
600	266	56726.7	-273.3	-9.8	-2.8	4.8	18.7
600	240	56683.1	-316.9	-4.0	11.0	3.5	19.1
600	214	56592.0	-408.0	-3.4	33.5	8.6	20.4
600	188	56856.0	-144.0	205.6	18.2	19.0	15.4
600	162	56884.7	-115.3	19.3	7.3	15.5	15.0
600	136	57227.6	227.6	52.6	-5.6	9.3	15.2
600	110	56988.0	-12.0	-89.7	-14.1	11.2	15.5
600	84	56618.0	-382.0	-70.3	-17.4	16.3	16.2
600	58	56713.5	-286.5	-45.1	-25.0	17.6	17.0
600	32	56739.7	-260.3	-43.0	-35.4	11.5	17.3
600	0	57500.4	500.4	86.8	-47.1	7.8	19.5
400	1100	57048.7	48.7	-0.3	-99.99	-99.99	-99.99
400	1075	57044.9	44.9	4.0	-99.99	-99.99	-99.99
400	1050	57019.3	19.3	7.3	-99.99	-99.99	-99.99
400	1025	56863.6	-136.4	-1.3	-7.9	-8.1	12.0
400	1000	56818.2	-181.8	-16.0	-5.3	-4.9	19.3
400	973	56758.0	-242.0	-4.9	-5.1	-5.0	19.3
400	946	56752.6	-247.4	-4.1	-3.7	-3.7	19.4
400	919	56791.2	-208.8	-0.4	-3.5	-2.4	19.0
400	892	56811.5	-188.5	0.4	-4.8	-2.6	18.8
400	865	56865.8	-134.2	0.4	-4.2	-3.4	18.9
400	838	56899.7	-100.3	-4.1	-1.6	-6.9	18.7
400	811	56986.2	-13.8	-0.3	-2.3	-7.3	18.9
400	784	57040.7	40.7	-0.2	-1.1	-4.3	18.4
400	757	57121.7	121.7	1.9	-2.1	-5.1	18.8
400	730	57258.8	258.8	3.5	-2.1	-6.9	19.4
400	703	57364.7	364.7	4.5	1.1	-8.8	19.5
400	676	57419.9	419.9	3.7	2.7	-11.4	20.1
400	649	57508.9	508.9	8.7	8.0	-19.1	21.9
400	622	57640.8	640.8	19.9	23.7	-21.4	22.6
400	600	57729.3	729.3	27.7	36.9	-10.4	18.9
400	575	57563.3	563.3	9.5	27.2	2.6	17.7
400	550	57222.9	222.9	-35.8	58.3	7.0	14.3
400	525	57295.6	295.6	42.9	15.2	-18.2	12.9
400	500	57578.3	578.3	15.0	11.7	-2.4	13.5
400	475	57363.3	363.3	-3.2	8.1	5.0	12.4
400	447.5	57005.1	5.1	-4.7	-0.3	5.2	12.4
400	420	56890.4	-109.6	-2.9	-13.8	3.8	12.4
400	392.5	56780.7	-219.3	-11.6	-22.2	3.4	12.6
400	365	56853.5	-146.5	-2.8	-29.2	-1.7	13.0
400	337.5	57029.2	29.2	30.0	-38.4	-2.8	13.6
400	310	56951.1	-48.9	-6.7	-48.9	-7.4	14.8

400	282.5	57026.5	26.5	-14.9	-42.5	1.5	15.9
400	255	57013.2	13.2	-28.1	-99.99	-99.99	-99.99
400	227.5	57153.3	153.3	28.8	-99.99	-99.99	-99.99
400	200	56914.2	-85.8	-74.6	-99.99	-99.99	-99.99
400	172.5	56853.4	-146.6	20.3	-99.99	-99.99	-99.99
400	145	56768.3	-231.7	-19.3	12.1	9.5	26.0
400	117.5	56960.5	-39.5	0.9	-19.9	12.5	25.7
400	90	56860.4	-139.6	-9.9	-25.0	11.8	29.8
400	62.5	56871.9	-128.1	1.3	-1.2	12.5	31.3
400	35	56861.1	-138.9	-0.8	3.8	9.8	29.2
400	7.5	56873.7	-126.3	-33.8	-15.6	23.0	30.8
200	1100		-183.5	-20.7	-99.99	-99.99	-99.99
200	1075		-149.5	5.3	-99.99	-99.99	-99.99
200	1050		-237.5	-3.9	-99.99	-99.99	-99.99
200	1025		-243.3	2	-99.99	-99.99	-99.99
200	1000		-280.9	0.7	-99.99	-99.99	-99.99
200	970		-309.4	-0.2	-99.99	-99.99	-99.99
200	940		-299	-0.1	-3.5	7.3	56.5
200	910		-328.4	-1.3	-2	8.1	55.9
200	880		-317.9	-2.3	-0.3	6.9	53.1
200	850		-276	1.1	-0.2	2.5	51.6
200	820		-239.6	1	-1.7	-0.2	50.4
200	790		-185.2	6.7	0	-0.4	50
200	760		-220	-0.4	6.4	2.4	46.9
200	730		-256.1	-4.6	-5.4	1	40.2
200	700		-201.2	-1.6	10.8	1.8	39.8
200	675		-126.7	-6.4	-12.1	-7.9	41.8
200	650		-127.9	-5.6	-12.5	-8	42
200	625		82	0.9	-99.99	-99.99	-99.99
200	600		206.7	4.6	-99.99	-99.99	-99.99
200	575		258.5	-0.7	-99.99	-99.99	-99.99
200	550		380.3	-1.9	-99.99	-99.99	-99.99
200	525		364.7	11	-99.99	-99.99	-99.99
200	500		284.6	7.4	-99.99	-99.99	-99.99
200	475		100	-0.5	-99.99	-99.99	-99.99
200	450		-63.3	-1.7	-99.99	-99.99	-99.99
200	425		-166.2	-5.7	-99.99	-99.99	-99.99
200	400		-190.2	-5.2	-99.99	-99.99	-99.99
200	375		-108.9	3.1	-99.99	-99.99	-99.99
200	350		-26.6	5	-99.99	-99.99	-99.99
200	325		-9.8	8.8	-99.99	-99.99	-99.99
200	300		-183.2	-8.3	-99.99	-99.99	-99.99
200	275		-196.8	-5.6	-99.99	-99.99	-99.99
200	250		-197.7	-117.2	-99.99	-99.99	-99.99

June 4, 1991

Part F

Line 16E - 30E
Stat 0 - 1100 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gam

VLF Cuttler Orientation striking grid at 93 d
VIP = Veritcal In Phase with Total Field Amplitude
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Unit
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
1600	0.0	57584.3	584.3	24.6	7.7	9.2	23.8
1600	-25.0	57450.9	450.9	10.4	5.0	13.4	24.4
1600	-50.0	57311.9	311.9	18.2	-5.0	11.0	25.0
1600	-75.0	57113.7	113.7	2.3	-12.1	9.5	25.8
1600	0.0	57584.0	584.0	26.9	11.3	7.7	29.5
1600	25.0	57493.2	493.2	17.7	20.7	14.6	29.8
1600	50.0	57424.1	424.1	5.9	32.2	18.0	33.2
1600	75.0	57417.6	417.6	18.0	35.1	9.7	40.2
1600	100.0	57603.5	603.5	21.5	26.2	3.9	44.9
1600	125.0	57728.0	728.0	21.2	12.8	-1.3	42.5
1600	150.0	57643.7	643.7	23.7	34.1	6.9	49.0
1600	175.0	57215.0	215.0	-0.3	2.9	6.0	54.2
1600	200.0	57011.6	11.6	-22.0	-48.1	2.8	50.6
1600	225.0	56692.1	-307.9	-25.3	-31.3	7.4	38.5
1600	250.0	57053.5	53.5	-10.6	-25.3	10.9	40.6
1600	275.0	57428.4	428.4	30.2	-24.6	10.4	39.6
1600	300.0	57303.7	303.7	11.7	-18.8	13.2	38.0
1600	325.0	57084.2	84.2	-4.1	-14.4	14.4	39.9
1600	350.0	56994.2	-5.8	-10.8	-10.0	14.4	40.1
1600	375.0	57151.6	151.6	-22.2	-6.7	15.4	39.9
1600	400.0	57485.9	485.9	-6.9	-5.5	14.1	39.9
1600	425.0	57465.7	465.7	-65.6	-3.1	12.7	39.8
1600	425.0	57458.0	458.0	-60.6	-2.9	12.6	39.2
1600	425.0	57460.5	460.5	-61.2	-2.0	12.8	39.6
1600	425.0	57455.4	455.4	-59.2	-2.5	12.6	39.3
1600	450.0	57915.1	915.1	144.0	-4.8	11.5	39.4
1600	475.0	56828.7	-171.3	-176.2	-3.2	9.6	40.0
1600	475.0	56826.1	-173.9	-176.9	-3.4	9.5	40.4
1600	500.0	57714.8	714.8	-4.2	1.8	9.7	38.9
1600	525.0	56972.9	-27.1	-60.6	3.3	10.6	38.5
1600	525.0	56977.4	-22.6	-63.8	3.5	10.8	38.7
1600	525.0	56975.8	-24.2	-62.4	3.9	10.3	38.3
1600	550.0	56972.0	-28.0	-70.9	4.8	11.2	39.6
1600	575.0	57062.7	62.7	7.9	18.8	17.5	39.3
1600	600.0	57340.0	340.0	31.4	-3.1	0.5	37.6
1600	625.0	56958.5	-41.5	46.8	4.5	5.9	36.3

1600	650.0	56937.1	-62.9	72.3	11.1	6.1	38.3
1600	675.0	56357.0	-643.0	-63.1	7.2	-0.5	37.7
1600	700.0	56337.9	-662.1	-19.6	7.2	-2.3	40.5
1600	725.0	56547.7	-452.3	2.9	3.8	-9.5	38.1
1600	750.0	56608.3	-391.7	-2.6	4.3	-14.0	35.2
1600	775.0	56703.1	-296.9	-8.9	11.9	-13.4	34.4
1600	800.0	56731.2	-268.8	-1.2	16.0	-15.0	34.4
1600	825.0	56776.1	-223.9	-0.6	27.4	-16.8	33.9
1600	850.0	56779.3	-220.7	0.6	39.9	-22.2	36.8
1600	875.0	56857.3	-142.7	3.2	39.7	-25.4	45.2
1600	900.0	56899.5	-100.5	4.6	13.5	-16.8	46.2
1600	925.0	56905.7	-94.3	3.9	2.7	-7.7	42.7
1600	950.0	56859.7	-140.3	0.9	-3.1	0.5	40.7
1600	975.0	56857.0	-143.0	2.8	0.3	1.5	39.0
1600	1000.0	56854.5	-145.5	2.9	1.3	1.1	38.2
1600	1025.0	56862.3	-137.7	2.5	0.8	0.4	37.8
1600	1050.0	56867.8	-132.2	0.3	1.2	0.4	37.1
1600	1075.0	56863.9	-136.1	1.3	2.9	0.5	37.5
1600	1100.0	56853.6	-146.4	-9.9	8.7	7.2	37.5
1800	1000.0	56846.6	-153.4	1.5	3.6	-3.0	30.3
1800	975.0	56819.9	-180.1	1.7	3.7	-3.5	30.3
1800	950.0	56813.1	-186.9	2.7	3.5	-3.4	30.7
1800	925.0	56804.7	-195.3	1.8	4.6	-2.2	30.6
1800	900.0	56796.9	-203.1	2.0	2.3	-1.6	30.7
1800	875.0	56809.3	-190.7	4.0	1.3	-0.9	30.5
1800	850.0	56801.7	-198.3	3.3	0.7	-1.9	30.7
1800	825.0	56791.6	-208.4	4.1	-0.7	-2.9	31.7
1800	800.0	56736.7	-263.3	0.4	-3.1	-6.3	32.3
1800	775.0	56727.4	-272.6	0.0	-4.5	-12.6	33.5
1800	750.0	56711.8	-288.2	-2.7	-1.1	-17.8	36.0
1800	725.0	56704.4	-295.6	2.7	6.4	-22.6	36.6
1800	700.0	56704.8	-295.2	1.3	12.9	-23.1	35.0
1800	675.0	56823.4	-176.6	8.9	21.0	-22.4	31.5
1800	650.0	56818.7	-181.3	3.6	24.6	-15.4	30.0
1800	625.0	56805.0	-195.0	8.3	21.0	-12.9	28.3
1800	600.0	56792.0	-208.0	3.6	13.0	-14.5	25.2
1800	575.0	56757.7	-242.3	2.5	-0.6	-20.3	25.1
1800	550.0	56735.1	-264.9	-8.6	-79.3	-62.0	36.7
1800	525.0	56759.5	-240.5	1.1	7.6	-4.6	26.7
1800	500.0	56747.1	-252.9	-4.2	2.1	-6.9	26.7
1800	475.0	56778.2	-221.8	3.3	1.1	-6.9	27.2
1800	450.5	56752.0	-248.0	-2.1	-0.4	-6.1	26.6
1800	424.0	56707.1	-292.9	-0.7	-3.9	-6.7	27.2
1800	397.5	56686.6	-313.4	1.0	-8.1	-7.9	26.9
1800	371.0	56617.3	-382.7	-40.1	-17.7	-12.0	27.3
1800	344.5	56643.8	-356.2	0.1	6.2	0.0	29.1
1800	318.0	56699.4	-300.6	3.8	-5.6	-5.5	28.0
1800	291.5	56623.7	-376.3	-13.1	-11.1	-8.6	29.0
1800	265.0	56579.1	-420.9	-68.2	9.7	-0.9	39.0
1800	238.5	56616.9	-383.1	-4.6	28.0	6.5	42.3
1800	212.0	56637.8	-362.2	-5.5	32.5	-3.2	41.8
1800	185.5	56637.7	-362.3	-5.2	31.8	-3.6	41.7
1800	159.0	56596.2	-403.8	-16.3	44.7	0.0	45.9
1800	132.5	56611.3	-388.7	-4.9	56.8	7.6	42.6
1800	106.0	56586.5	-413.5	2.4	45.2	6.8	40.3
1800	79.5	56553.9	-446.1	-3.4	33.4	13.1	40.4

1800	53.0	56599.6	-400.4	-23.7	22.2	2.8	41.2
1800	26.5	56856.4	-143.6	-12.2	16.1	0.0	45.8
1800	0.0	57208.2	208.2	-0.3	27.2	2.6	52.2
1800	-25.0	57276.3	276.3	9.4	7.1	-11.5	51.0
1800	-50.0	57428.6	428.6	27.8	23.5	-9.1	51.9
1800	-75.0	57141.8	141.8	7.2	38.5	-8.2	46.0
1800	-100.0	56828.0	-172.0	0.5	9.3	-13.4	38.5
1800	-125.0	56622.0	-378.0	-14.2	10.0	-9.4	33.5
1800	-150.0	56641.8	-358.2	6.9	20.5	2.9	34.3
1800	-175.0	56633.2	-366.8	-8.4	18.4	2.0	36.8
1800	-200.0	56683.4	-316.6	-5.6	29.4	1.4	36.8
1800	-225.0	56691.2	-308.8	-6.0	33.9	3.6	38.4
1800	-250.0	56865.1	-134.9	6.9	24.6	3.2	40.2
2000	50.0	56774.1	-225.9	0.8	-10.2	-11.0	42.4
2000	75.0	56779.0	-221.0	-5.5	-9.8	-12.4	39.1
2000	100.0	56838.1	-161.9	-2.3	-5.7	-11.0	38.2
2000	125.0	56845.1	-154.9	16.8	-2.9	-9.4	38.4
2000	150.0	56820.3	-179.7	-7.0	0.3	-8.1	38.2
2000	175.0	56851.7	-148.3	1.2	4.2	-6.8	38.1
2000	200.0	56937.6	-62.4	12.8	7.8	-5.2	38.5
2000	225.0	57009.8	9.8	35.7	7.9	-4.3	40.9
2000	250.0	57544.5	544.5	83.2	9.8	-2.3	41.4
2000	275.0	56583.3	-416.7	-225.0	9.1	-3.2	46.0
2000	275.0	56580.3	-419.7	-37.3	8.9	-3.5	46.0
2000	275.0	56598.3	-401.7	-213.0	8.4	-3.1	44.2
2000	300.0	56638.9	-361.1	-7.5	4.5	-5.3	44.6
2000	325.0	56720.2	-279.8	1.8	2.2	-6.0	44.9
2000	350.0	56792.4	-207.6	2.1	-0.3	-7.4	44.8
2000	375.0	56674.8	-325.2	8.1	-3.3	-8.2	44.2
2000	400.0	56656.8	-343.2	-8.1	-4.6	-9.7	42.5
2000	425.0	56691.0	-309.0	0.8	-6.0	-10.2	41.2
2000	450.0	56703.8	-296.2	1.6	-6.3	-14.5	39.5
2000	475.0	56729.7	-270.3	1.9	-2.0	-13.7	38.5
2000	500.0	56781.5	-218.5	8.7	-1.0	-14.3	39.1
2000	525.0	56736.6	-263.4	-6.0	-3.1	-20.9	38.0
2000	550.0	56744.8	-255.2	0.6	5.6	-24.2	36.4
2000	575.0	56826.6	-173.4	0.1	24.8	-19.7	37.0
2000	600.0	56882.0	-118.0	0.1	35.1	-13.6	46.9
2000	625.0	56872.0	-128.0	2.3	14.0	-20.0	51.8
2000	650.0	56804.9	-195.1	0.2	5.4	-18.7	51.9
2000	675.0	56802.4	-197.6	1.7	-1.2	-14.8	50.5
2000	700.0	56820.1	-179.9	0.4	-5.2	-10.6	47.2
2000	725.0	56846.3	-153.7	2.0	-5.5	-7.4	44.9
2000	775.0	56873.8	-126.2	3.9	-3.6	-5.4	43.9
2000	800.0	56905.5	-94.5	4.7	-2.8	-3.8	42.1
2000	825.0	56915.8	-84.2	6.4	-1.7	-1.1	43.0
2000	850.0	56887.5	-112.5	3.8	0.0	-0.1	43.7
2000	875.0	56863.2	-136.8	2.2	-0.9	-0.6	43.9
2000	900.0	56851.2	-148.8	-1.0	-1.7	-0.2	45.3
2000	925.0	56840.1	-159.9	1.5	-0.9	0.0	45.3
2000	950.0	56825.9	-174.1	1.4	0.4	0.3	46.8
2200	900.0	56766.2	-233.8	0.7	-6.7	8.7	45.7
2200	875.0	56734.5	-265.5	-11.6	2.7	12.0	43.7
2200	850.0	56781.6	-218.4	0.0	4.1	11.3	42.7
2200	825.0	56764.2	-235.8	-0.3	-1.6	9.4	37.8
2200	800.0	56773.0	-227.0	10.9	-15.5	4.7	37.7

2200	775.0	56753.7	-246.3	0.1	-22.4	3.5	40.7
2200	750.0	56763.9	-236.1	-1.3	-33.9	12.8	45.4
2200	725.0	56735.9	-264.1	-2.8	-39.3	14.1	52.4
2200	700.0	56734.8	-265.2	-2.0	-22.0	17.9	65.5
2200	675.0	56813.7	-186.3	1.1	-2.4	4.5	59.5
2200	650.0	56837.3	-162.7	2.7	0.6	1.4	59.1
2200	625.0	56829.8	-170.2	1.5	-0.2	1.2	55.8
2200	600.0	56839.2	-160.8	4.7	-1.7	-2.2	56.7
2200	575.0	56852.8	-147.2	3.7	-0.5	-2.1	54.1
2200	550.0	56804.8	-195.2	0.8	4.0	-9.8	53.6
2200	525.0	56784.5	-215.5	0.5	1.5	-0.1	54.7
2200	500.0	56795.1	-204.9	2.7	2.2	-3.6	54.5
2200	475.0	56814.8	-185.2	3.4	5.3	-5.6	54.1
2200	450.0	56841.9	-158.1	6.0	13.5	-3.1	51.1
2200	425.0	56776.3	-223.7	-1.9	7.9	6.1	46.1
2200	400.0	56765.3	-234.7	-0.7	0.4	3.2	48.5
2200	375.0	56747.2	-252.8	5.8	-3.1	3.5	49.0
2200	350.0	56734.9	-265.1	4.3	-8.0	1.0	48.1
2200	325.0	56674.0	-326.0	-50.1	-12.0	2.4	47.1
2200	300.0	56790.3	-209.7	22.4	-15.5	1.0	47.7
2200	275.0	56699.0	-301.0	-4.6	-24.7	1.6	48.7
2200	250.0	56634.1	-365.9	-27.3	-44.1	-3.6	54.6
2200	225.0	56567.4	-432.6	-9.1	-35.4	5.9	76.3
2200	200.0	56690.3	-309.7	-7.0	-13.1	4.7	74.5
2200	175.0	56749.7	-250.3	2.4	-5.6	-0.8	71.7
2200	150.0	56738.0	-262.0	0.6	-3.9	-7.2	79.6
2200	125.0	56738.3	-261.7	6.4	-1.2	-10.2	86.2
2200	100.0	56698.1	-301.9	8.2	-0.8	-13.6	87.6
2200	75.0	56640.2	-359.8	0.3	0.0	-16.0	90.1
2200	50.0	56654.4	-345.6	0.3	-1.6	-15.8	85.6
2400	100.0	57160.7	160.7	22.1	-28.8	14.0	101.5
2400	125.0	56637.1	-362.9	-28.4	-23.7	17.0	91.8
2400	150.0	56411.2	-588.8	-42.2	-13.5	20.2	86.5
2400	175.0	56667.7	-332.3	-10.0	-15.4	14.2	87.3
2400	200.0	57234.3	234.3	83.0	-21.0	5.1	82.5
2400	225.0	57112.2	112.2	-86.1	-13.5	6.6	78.1
2400	250.0	57776.6	776.6	135.4	-9.5	7.7	76.1
2400	275.0	57566.0	566.0	135.5	-6.1	6.2	76.1
2400	302.5	57043.2	43.2	-48.6	-3.0	2.8	74.6
2400	330.0	57746.9	746.9	89.4	-0.2	3.1	75.4
2400	357.5	57221.0	221.0	-76.4	7.4	3.3	76.6
2400	385.0	57060.6	60.6	-100.0	12.1	4.0	74.7
2400	412.5	56642.4	-357.6	-100.0	14.4	4.7	77.1
2400	440.0	56356.6	-643.4	-100.0	20.3	5.8	79.5
2400	467.5	56806.4	-193.6	-100.0	20.0	6.3	82.5
2400	495.0	56964.3	-35.7	-100.0	17.7	-2.1	83.0
2400	522.5	56704.2	-295.8	-100.0	7.4	5.2	85.4
2400	550.0	56899.8	-100.2	-100.0	4.1	1.0	100.5
2400	575.0	56875.5	-124.5	37.2	1.8	-3.6	84.0
2400	600.0	56802.6	-197.4	-3.6	10.9	1.0	81.2
2400	625.0	56825.8	-174.2	4.5	26.6	6.3	85.5
2400	650.0	56822.7	-177.3	-3.3	-13.1	-10.5	76.9
2400	675.0	56735.6	-264.4	-5.4	17.0	1.9	73.4
2400	700.0	56746.2	-253.8	-3.3	22.2	1.0	76.7
2400	725.0	56823.3	-176.7	9.1	30.4	4.6	76.7
2400	750.0	56743.3	-256.7	-11.1	40.4	5.0	88.4

2400	775.0	56798.9	-201.1	2.9	33.1	-1.5	98.2
2400	800.0	56774.6	-225.4	-6.2	25.1	-4.3	103.6
2400	825.0	56707.9	-292.1	-14.5	14.0	-8.3	98.8
2400	850.0	56793.4	-206.6	4.0	21.3	-8.6	98.8
2400	875.0	56850.0	-150.0	2.6	14.4	-7.4	105.3
2400	900.0	56862.1	-137.9	6.2	8.8	-6.5	105.9
2400	925.0	56837.1	-162.9	1.4	4.0	-5.5	98.7
2400	950.0	56854.2	-145.8	1.9	1.2	-2.8	93.7
2600	950.0	57120.9	120.9	6.8	2.5	-7.6	101.5
2600	925.0	57130.0	130.0	9.0	3.6	-7.9	59.2
2600	900.0	57018.2	18.2	1.1	0.1	-4.5	57.0
2600	875.0	56976.4	-23.6	0.4	-2.1	-1.1	56.7
2600	850.0	56940.1	-59.9	-5.6	-4.6	1.0	55.1
2600	825.0	56919.1	-80.9	-8.7	-12.1	3.7	58.7
2600	800.0	56989.2	-10.8	2.5	2.7	-3.5	61.2
2600	775.0	56951.9	-48.1	-7.9	9.7	-9.4	55.2
2600	750.0	57004.3	4.3	-5.4	5.0	-13.2	49.7
2600	725.0	57250.1	250.1	16.5	-3.7	-10.9	55.8
2600	700.0	57233.7	233.7	-9.6	-3.6	-10.8	59.4
2600	675.0	57330.5	330.5	14.5	27.2	-8.7	63.5
2600	650.0	57056.3	56.3	-3.0	42.5	-7.4	51.5
2600	625.0	56932.2	-67.8	-8.8	18.1	-14.3	40.7
2600	600.0	56908.8	-91.2	-1.9	2.5	-13.2	45.4
2600	575.0	56873.3	-126.7	-2.5	14.0	-14.0	52.5
2600	550.0	56841.8	-158.2	-2.9	20.5	-15.6	50.0
2600	525.0	56832.3	-167.7	-0.6	28.6	-11.6	57.9
2600	500.0	56799.9	-200.1	5.2	75.5	2.4	43.3
2600	475.0	56679.7	-320.3	-14.9	52.1	-2.7	36.4
2600	450.0	56521.6	-478.4	-15.5	24.3	-15.0	38.6
2600	425.0	56519.7	-480.3	-18.9	23.2	-8.3	42.1
2600	400.0	57758.3	758.3	89.9	22.0	-5.3	32.0
2600	375.0	57179.1	179.1	2.4	16.0	-6.3	38.4
2600	347.5	56993.3	-6.7	-35.4	17.0	-4.0	37.5
2600	320.0	57618.6	618.6	33.7	5.2	-1.4	35.0
2600	292.5	57092.6	92.6	-5.5	4.5	7.2	35.5
2600	265.0	56554.8	-445.2	-122.7	-0.6	9.8	34.2
2600	237.5	58064.4	1064.4	0.5	-3.7	8.4	34.8
2600	210.0	57361.0	361.0	8.5	-8.2	4.0	36.7
2600	182.5	58200.5	1200.5	65.8	-5.3	3.7	37.9
2600	155.0	57911.2	911.2	44.8	-5.3	2.4	37.5
2600	127.5	57259.5	259.5	4.8	-4.9	3.7	37.5
2600	100.0	56962.0	-38.0	-60.7	-7.9	1.9	37.2
2800	1050.0	57518.4	518.4	-12.9	39.6	19.2	26.5
2800	1015.0	57609.3	609.3	-4.7	9.4	6.8	23.6
2800	982.0	57619.0	619.0	-0.1	-6.5	6.1	25.1
2800	949.0	57637.4	637.4	3.2	-13.0	5.8	28.6
2800	916.0	57672.9	672.9	9.4	-11.1	6.4	32.5
2800	883.0	57796.5	796.5	23.0	-7.6	3.6	33.8
2800	850.0	57844.9	844.9	16.7	-2.8	2.9	34.2
2800	825.0	57829.4	829.4	27.1	-0.9	-4.4	34.4
2800	800.0	57872.2	872.2	27.1	3.4	-10.0	35.0
2800	775.0	57885.6	885.6	18.3	13.0	-14.0	35.5
2800	750.0	58137.7	1137.7	47.0	27.0	-11.5	33.7
2800	725.0	57886.3	886.3	1.3	29.9	-5.3	26.7
2800	700.0	57847.0	847.0	-22.6	7.1	-6.3	25.2
2800	675.0	57914.5	914.5	-4.8	-19.1	-0.8	29.6

2800	650.0	58047.5	1047.5	44.2	-32.2	16.7	34.3
2800	625.0	57749.2	749.2	20.7	14.3	-22.7	36.7
2800	600.0	57722.9	722.9	12.3	31.1	-20.2	34.0
2800	575.0	58263.9	1263.9	130.5	30.4	-22.3	26.9
2800	575.0	58265.5	1265.5	130.5	30.6	-21.7	26.5
2800	575.0	58081.4	1081.4	-2.4	31.5	-19.6	26.4
2800	575.0	58214.0	1214.0	59.8	25.8	-21.1	26.3
2800	550.0	57916.2	916.2	43.8	19.0	-18.6	25.4
2800	525.0	57689.1	689.1	69.3	30.8	-13.9	28.3
2800	500.0	57324.6	324.6	-56.6	10.1	-15.0	27.8
2800	480.0	57048.3	48.3	-31.2	9.1	-16.5	25.2
2800	458.0	57906.2	906.2	41.8	1.6	-14.7	25.0
2800	436.0	57001.0	1.0	-4.9	-4.2	-14.9	25.0
2800	414.0	55664.5	-1335.5	1349.5	-12.4	-18.2	25.8
2800	392.0	58181.8	1181.8	45.3	-23.3	-18.4	29.0
2800	370.0	57468.6	468.6	-19.4	-14.8	-13.9	28.8
2800	348.0	57355.3	355.3	-24.1	-5.3	-2.8	31.3
2800	326.0	57742.0	742.0	62.7	13.3	8.4	29.9
2800	304.0	57499.9	499.9	-23.7	6.7	5.6	26.0
2800	282.0	57945.8	945.8	104.8	-4.9	-1.1	24.7
2800	260.0	57827.6	827.6	58.8	-4.1	-3.6	24.9
2800	238.0	57530.6	530.6	-1.4	-21.4	-15.5	25.4
2800	216.0	57290.0	290.0	-8.2	4.8	-4.4	26.1
2800	194.0	57248.4	248.4	19.1	7.4	-3.3	26.0
2800	172.0	57481.7	481.7	-50.4	4.8	-1.4	27.9
2800	150.0	57449.1	449.1	-58.6	4.8	1.0	29.0
2800	125.0	57337.1	337.1	-76.3	11.2	6.1	30.0
2800	100.0	58077.0	1077.0	81.2	7.4	4.3	26.5
3000	100.0	56920.4	-79.6	-20.3	-42.0	-28.8	28.3
3000	129.0	57060.7	60.7	-5.1	-32.5	-30.9	23.8
3000	157.5	57130.8	130.8	4.5	-17.4	-12.9	22.7
3000	186.0	57096.5	96.5	2.9	-23.7	-14.6	26.7
3000	214.5	57312.3	312.3	2.6	-40.5	-47.4	27.1
3000	243.0	57270.0	270.0	17.4	-17.3	-22.1	22.3
3000	271.5	57003.4	3.4	-80.4	-17.7	-40.3	23.6
3000	300.0	57146.6	146.6	16.5	2.4	-25.3	21.8
3000	326.0	57228.8	228.8	15.5	12.0	-18.8	22.3
3000	353.0	56870.0	-130.0	-5.4	18.2	-14.2	22.6
3000	380.0	56740.5	-259.5	-63.5	24.3	-11.9	22.6
3000	407.0	57069.5	69.5	15.7	42.9	-4.7	25.8
3000	434.0	57083.6	83.6	4.7	23.0	-15.7	32.7
3000	461.0	57052.2	52.2	1.0	9.0	-16.6	32.9
3000	488.0	57102.1	102.1	4.4	4.7	-14.7	33.3
3000	515.0	57172.5	172.5	9.9	1.8	-13.2	32.6
3000	542.0	57186.8	186.8	8.9	-3.1	-10.1	32.1
3000	569.0	57216.8	216.8	15.2	-3.5	-9.2	30.0
3000	596.0	57086.2	86.2	0.2	-0.5	-11.4	28.7
3000	623.0	57075.8	75.8	0.7	9.5	-21.5	29.3
3000	650.0	57071.4	71.4	0.8	-8.4	3.0	28.2
3000	685.0	57060.1	60.1	0.8	-1.1	-2.2	28.7
3000	717.5	57096.6	96.6	0.1	-2.0	-1.8	28.4
3000	750.0	57130.6	130.6	0.1	-2.3	-0.7	28.2
3000	782.5	57157.6	157.6	1.7	-3.4	-0.4	27.7
3000	815.0	57173.1	173.1	-1.0	-2.7	-0.1	27.7
3000	847.5	57195.9	195.9	2.2	-1.7	-0.8	27.7
3000	880.0	57190.1	190.1	2.0	-0.8	-1.6	28.1

3000	912.5	57169.6	169.6	-3.2	-1.3	-3.1	27.8
3000	945.0	57172.7	172.7	-0.4	-1.6	-2.2	27.5
3000	977.5	57182.2	182.2	2.1	-2.1	-1.7	27.5
3000	1010.0	57200.3	200.3	-0.5	-1.3	-3.1	27.2
3000	1042.5	57216.8	216.8	-0.1	2.2	-3.8	26.6
3000	1075.0	57228.5	228.5	1.1	-19.1	-12.7	27.5

June 7, 1991

Part G

Line 2E - 12 E
Stat 1600N - 3200 N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base statio
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 g

VLF Cuttler Orientation striking grid at 93
VIP = Veritcal In Phase with Total Field Amplitu
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Un
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
1200	2500	56959.4	-40.6	-30	-23.7	16.5	114.3
1200	2475	56986.8	-13.2	1.3	-3.8	19.2	137.1
1200	2450	57007.5	7.5	3.6	4.2	19.2	145.6
1200	2425	57020.1	20.1	3.6	10	15.1	138.6
1200	2400	57054.8	54.8	2.5	10.8	8	129.5
1200	2375	57154.2	154.2	4.3	9.6	2.2	123.4
1200	2350	57285.5	285.5	8.3	7.5	-0.6	120.6
1200	2325	57381.6	381.6	11.5	5	-1.5	117.6
1200	2300	57400.7	400.7	11.6	1.8	-2.5	118.2
1200	2275	57321.5	321.5	6.1	1.5	-0.2	116.5
1200	2250	57246.3	246.3	5.4	0	0.3	117.6
1200	2225	57209.1	209.1	3.6	-0.1	-0.1	118.6
1200	2200	57179.5	179.5	2.5	-0.2	-0.6	118.3
1200	2175	57168.6	168.6	2.5	1.7	0.8	117.1
1200	2150	57171.2	171.2	1.6	-0.2	-1.4	116.3
1200	2125	57182.4	182.4	4	1.2	0	117.6
1200	2100	57165	165	2	4.3	0.7	118.7
1200	2075	57130.2	130.2	-13.8	7.1	1.5	116.4
1200	2050	57039.6	39.6	-12	11.5	6.9	106
1200	2025	57138.7	138.7	12	4.9	2.1	104.2
1200	2000	57070.5	70.5	0.1	-0.3	-1.9	101.7
1200	1975	57143.4	143.4	7.2	-2.8	-3.6	107.6
1200	1950	57155.3	155.3	8	-3.3	-3.3	109.8
1200	1925	57141.2	141.2	5.3	-8.9	-8.4	113.9
1200	1900	57154	154	6.3	-5.8	-8.6	118.6
1200	1875	57156.5	156.5	5	-0.8	-9	121.3
1200	1850	57154	154	5.1	7.9	-11.6	131.2
1200	1825	57173.4	173.4	9.9	32.9	-15.3	134.3
1200	1800	57140	140	4.3	51.5	-18.3	98.35
1200	1775	57107.5	107.5	6.3	17.3	-14.3	84.42
1200	1750	57175.6	175.6	7.4	0.9	-3.8	90.49
1200	1725	57164.7	164.7	6.3	-1.6	4	98.75
1200	1700	57091.2	91.2	2.8	-0.4	12.6	97.48
1200	1675	57019	19	3.5	-10.3	10	104.4
1200	1650	56957.4	-42.6	-7.8	-12.8	6.9	107.8
1200	1625	56980.9	-19.1	-7.5	-12.6	0.3	114.5

1000	3000	57334.4	334.4	28.9	51.5	18	111.6
1000	2975	57087.7	87.7	-26.5	41.6	18.3	92.81
1000	2950	57264.3	264.3	49.3	31.4	14.6	87.63
1000	2925	57512.8	512.8	64.1	27.3	14.8	87.7
1000	2900	57249.1	249.1	1.9	20.5	13.4	82.85
1000	2875	57368.8	368.8	52.9	13.3	11.3	80.98
1000	2850	57092.4	92.4	16.9	17.2	9.9	81.52
1000	2825	57024.1	24.1	-13.4	15.2	6.6	80.19
1000	2800	57151.9	151.9	0.9	13.5	6	82.22
1000	2775	56888.2	-111.8	-25.8	9.2	12.6	79.45
1000	2750	56903.4	-96.6	-30	3.8	12.8	78.92
1000	2725	56979.6	-20.4	-29.5	-3.7	10.6	78.5
1000	2700	57234.2	234.2	20.7	-12.2	8.2	79.83
1000	2675	57317.9	317.9	23.7	-20.3	6	79.93
1000	2650	57564.2	564.2	68.2	-29.4	4.3	85.86
1000	2630	57324.8	324.8	4.7	-44	0.8	90.74
1000	2610	57180.4	180.4	-2.9	-60	-1.4	117.1
1000	2590	57098.1	98.1	-4.5	-37.6	12.1	137.4
1000	2570	57138.1	138.1	4.4	-11	21	138.1
1000	2550	57141.7	141.7	1.8	-6.6	18.6	143.5
1000	2530	57151.3	151.3	1.3	-2.4	18.2	141.5
1000	2510	57147.8	147.8	1.9	2.7	16.3	139.7
1000	2490	57151	151	2.6	7.4	14	135.3
1000	2470	57161.7	161.7	-0.7	8.6	10.2	124.4
1000	2450	57216.2	216.2	2.6	8.8	5.2	118.1
1000	2425	57306.2	306.2	4	7	1.2	114.1
1000	2400	57373.3	373.3	4.2	4.3	-0.2	112.7
1000	2375	57394.7	394.7	6.7	2.8	-0.3	112.4
1000	2350	57366.9	366.9	5.2	2.8	0	112.7
1000	2328	57314.6	314.6	-1	1.6	-0.3	112.8
1000	2306	57265.6	265.6	0.3	1	-0.7	110.6
1000	2284	57196.6	196.6	2.1	2.7	0.3	114.2
1000	2262	57177.1	177.1	1.5	0.7	-0.2	112.1
1000	2240	57167.1	167.1	-0.2	2.6	0.3	111.9
1000	2218	57175	175	4.1	2.5	-0.2	110.8
1000	2196	57176.9	176.9	4.9	2.4	-0.3	113.7
1000	2174	57171	171	1.4	1.3	0.3	113.6
1000	2152	57174.6	174.6	2.3	3.3	1.9	116.3
1000	2130	57212.1	212.1	-1.5	6	4.9	114.4
1000	2108	57197.6	197.6	-1.2	1.6	-1.5	110.6
1000	2086	57180.7	180.7	6	-6.7	-17.6	130.2
1000	2064	57131.1	131.1	1.3	9.2	-14.4	145.4
1000	2042	57032.9	32.9	-6	24.1	-10.7	149.2
1000	2020	57135.6	135.6	1.3	49.6	7.1	122.9
1000	1998	57517.5	517.5	80.5	37.1	7.9	95.33
1000	1998	57521.4	521.4	85.3	36.3	7.9	96.33
1000	1975	57038.2	38.2	-24.2	24.2	7.3	89.11
1000	1950	57207.5	207.5	-16.2	13.2	12.1	83.08
1000	1925	57272.6	272.6	-25.5	-3.5	8.7	81.34
1000	1900	57200	200	-23.7	-17.8	7	85.36
1000	1875	57291.4	291.4	-15.2	-33.5	4.9	100
1000	1850	56822.6	-177.4	-11.4	-46.9	5.1	135.9
1000	1825	56912	-88	-6.4	-13.3	15.9	164.1
1000	1800	57004	4	-1.1	11.1	15.1	134.7
1000	1775	57014	14	1.7	11.1	8.2	113.3
1000	1750	56973.9	-26.1	-4.8	5.6	1.5	105.7

1000	1725	56979	-21	-3	-0.1	-1.6	104.8
1000	1700	57003.5	3.5	-4.9	-7.4	-5.7	109.4
1000	1675	57052.4	52.4	5.4	-4.3	-2.4	115.8
1000	1650	57035.9	35.9	4.3	2.8	0.3	114.5
1000	1625	56987	-13	-4.2	-1.1	-1.6	112.5
800	3225	57263.9	263.9	53.6	-1.7	0.9	83.86
800	3225	57259.8	259.8	56.3	-1.4	1	83.15
800	3200	57040.2	40.2	-32.7	-13.3	-8.2	84.56
800	3175	56963.2	-36.8	-29	-25.2	-16.6	88
800	3150	57255.8	255.8	32	-46.2	-29.1	100.7
800	3125	57179	179	4.2	-36.9	-8.7	134.6
800	3100	57200.9	200.9	4.4	-16.4	-2	162.6
800	3075	57248.2	248.2	4.9	13.4	2.4	164.1
800	3050	57221.8	221.8	0.1	22.8	4.4	134.1
800	3025	57200.4	200.4	-11.1	44.7	31.7	100.6
800	3000	57212.6	212.6	-14.2	25.5	19.3	91.27
800	2975	57212.5	212.5	2.5	11.8	14.5	91.67
800	2950	57219.5	219.5	7.1	10.4	13.7	86.83
800	2925	57401.1	401.1	-10.8	3.2	11.6	86.66
800	2900	57179	179	5.3	-4	9.9	86.66
800	2875	57212.5	212.5	-11.7	-9.6	9.6	88.28
800	2850	57292.5	292.5	-3.1	-13.5	9.5	90
800	2825	57440.9	440.9	51.1	-18	9.5	89.75
800	2800	58698.9	1698.9	642.2	-24.8	8.8	90.86
800	2800	58691.8	1691.8	548.2	-24.9	8.8	91.72
800	2800	58709.3	1709.3	708.1	-24.7	8.8	92.14
800	2787.5	57444.5	444.5	-13.3	-28.8	9	93.06
800	2775	57446.5	446.5	-15.7	-27.7	9.1	93.16
800	2762.5	57346.2	346.2	76.8	-30.9	8.8	93.68
800	2750	56849.7	-150.3	-282.6	-35.3	7.6	96.54
800	2737.5	58006.8	1006.8	140.5	-39.7	6.8	99.88
800	2725	57847.8	847.8	3.1	-44	6.3	105.5
800	2712.5	57912.4	912.4	-39.7	-54.3	4.6	116.6
800	2700	57749.4	749.4	-23	-49.3	16.9	126.4
800	2675	57877.4	877.4	34.9	-44.4	14.5	154.2
800	2650	57476.6	476.6	1.8	-31.9	19.1	146.8
800	2625	57341	341	4.1	-19.3	24.1	158.9
800	2600	57376.7	376.7	7.6	-9.2	20.5	153.1
800	2575	57391.1	391.1	11.7	0	14.1	140.2
800	2550	57316.5	316.5	9.8	4.5	6.2	125.5
800	2525	57218.9	218.9	4.9	2.4	0.7	120.4
800	2500	57180.1	180.1	2.1	-0.1	-0.1	118.3
800	2474	57214.4	214.4	3.2	-2.4	-0.2	116.7
800	2445	57256.5	256.5	5.8	-4	-1.2	120
800	2416	57233.1	233.1	5.7	-4.4	-3	121.7
800	2387	57146.8	146.8	4.2	-4.9	-5.9	123.3
800	2358	57063.9	63.9	4.2	-1.2	-7.7	126.4
800	2329	57079.6	79.6	8	5.9	-12.9	126.4
800	2300	57098.9	98.9	9	11.7	-17.7	123
800	2275	57165.1	165.1	5.5	13.8	-21.7	110.7
800	2250	57354.2	354.2	9.7	5.6	-23	103
800	2225	57244	244	-5.8	4.2	-17.4	106.4
800	2200	57266.3	266.3	-22.2	-2.6	-18.9	101.9
800	2175	57645.4	645.4	3.2	-7.7	-18.6	108.6
800	2150	57540.1	540.1	11.5	-12.7	-15.7	114.9
800	2125	57464.6	464.6	-18	-3.7	-8.4	119.3

800	2100	57482.7	482.7	-6.5	-1.1	-6.7	118.1
800	2075	57499.5	499.5	9.5	0.6	-4	112
800	2050	57252.4	252.4	-53.9	-6	-7.5	110.7
800	2025	57419.6	419.6	-0.1	3	0.7	147.6
800	2000	57441.4	441.4	-5.1	29.9	22.9	115.4
800	1975	57346.5	346.5	-31	15.9	18.5	98.23
800	1950	57464.5	464.5	33	2.6	16.1	91.39
800	1925	57335.8	335.8	3.8	-5.6	15.2	91.7
800	1900	57517.6	517.6	35.8	-14.4	15.7	92.78
800	1875	57412.8	412.8	30.3	-23.2	15.9	99.95
800	1850	57031.5	31.5	0.5	-37.6	18	152.9
800	1825	56992.5	-7.5	-3.4	-22.5	19.8	151
800	1800	56994.8	-5.2	5.8	-5.1	25.6	141.8
800	1775	56915.6	-84.4	4.4	-0.3	16.4	131.3
800	1750	56897.5	-102.5	2.3	-0.4	7	117.6
800	1725	56909.3	-90.7	-2.2	-9.4	-3	116.4
800	1700	56996.4	-3.6	3.5	-5.9	-0.9	122.8
800	1675	57012.6	12.6	0	2.3	1	115.8
800	1650	57067.9	67.9	2.6	-4.5	-0.3	117.3
800	1625	57116	116	5.4	-6.4	0	118.1
800	1600	57116.3	116.3	-53.7	-12.3	-3.7	119.2
600	3150	57225.6	225.6	-125	-2.2	12.2	90.86
600	3125	57584.7	584.7	31.3	-8.7	7.8	90.5
600	3100	57268.3	268.3	-30.3	-8.6	10.3	90.07
600	3075	58000.2	1000.2	23	-16.6	4.7	87.32
600	3050	58007.6	1007.6	30.9	-23.6	1.6	88.92
600	3025	57703.6	703.6	-66.7	-31.4	-3.4	88.38
600	3000	57188.2	188.2	-30.2	-36.1	-8.3	90.07
600	2975	57558.3	558.3	16.5	-49.7	-15.3	99.28
600	2950	57376.7	376.7	2.9	-43.1	5.2	134.5
600	2925	57186.8	186.8	-2.7	-15.7	16.4	139.8
600	2900	57104.1	104.1	3.3	-1.2	11.7	128.2
600	2875	57036.4	36.4	1.7	4.6	6.3	113.5
600	2850	56936.7	-63.3	-4.7	2.9	3.5	104.5
600	2825	56921.9	-78.1	2.4	1.5	2.7	104
600	2800	56880.8	-119.2	0.9	1.7	2.3	102.1
600	2775	56845.8	-154.2	0.5	0.6	2.5	102.3
600	2750	56821.3	-178.7	0.9	0.4	2.3	103.2
600	2725	56794.7	-205.3	-0.9	1.2	0.9	103.8
600	2700	56772.3	-227.7	-0.1	2.2	0.2	101.6
600	2675	56803.5	-196.5	5.4	2.3	0.2	100.5
600	2650	56767.4	-232.6	0.5	0.8	0.7	101.1
600	2625	56743.9	-256.1	0.6	-0.8	1.8	100.9
600	2600	56704.7	-295.3	-0.2	-2.5	1.8	103.4
600	2600	56705.8	-294.2	0	-2.5	1.6	103.6
600	2600	56703.2	-296.8	0	-2.5	1.6	103
600	2575	56690.1	-309.9	-7.6	2.4	-4	109
600	2550	56814.9	-185.1	-1.2	1.6	-13.6	110.5
600	2525	56932.2	-67.8	7.8	4.7	-21.7	117.6
600	2500	56744.7	-255.3	-4.8	13.3	-20.9	123.4
600	2475	56737.1	-262.9	-13.9	27.2	-16.9	108.1
600	2450	56593.5	-406.5	-41.3	32.6	-9.2	97.96
600	2425	56556.5	-443.5	-45.5	25.2	-8	92.02
600	2400	56867.6	-132.4	15.3	21.3	-6.9	86.18
600	2375	57053	53	-30.9	15.6	-9	82.26
600	2350	57398.6	398.6	62.9	11.1	-8.7	80.36

600	2325	57260.1	260.1	5.5	6.2	-10.5	82.42
600	2300	57766.3	766.3	252.5	3.2	-8.9	83.83
600	2275	57445.3	445.3	12.8	2.9	-4.1	85.73
600	2250	57861	861	66.2	3.2	0.7	85.06
600	2225	58696.9	1696.9	336.6	1	3.8	80.72
600	2225	58842	1842	313.5	-0.2	4.1	79.31
600	2225	58697.9	1697.9	281.2	0.2	4.1	79.29
600	2225	58743.6	1743.6	281	0	3.7	81.95
600	2225	59046.8	2046.8	349.7	-1.2	4	79.69
600	2225	58468.2	1468.2	132.9	-0.6	4.6	81.39
600	2225	58161.7	1161.7	135.9	0.4	3.6	80.85
600	2225	57451.1	451.1	-60	-0.7	4.1	81.32
600	2200	57008.9	8.9	-59.2	-0.5	3.8	82.37
600	2175	56937.3	-62.7	-19.2	-7.3	0.8	79.81
600	2150	56920.2	-79.8	-10.8	-11.9	-0.5	61.01
600	2125	56919.7	-80.3	-5.6	-20.8	-4.6	62.94
600	2100	56927.5	-72.5	-15.7	-34.7	-8.5	73.66
600	2075	57141.3	141.3	-5.6	-15.7	4.1	99.73
600	2050	57334.3	334.3	1.2	24.3	15	106.6
600	2025	56898.2	-101.8	-58	23.6	31.7	73.5
600	2000	57196.3	196.3	3.9	4.1	26.8	67.04
600	1975	57666	666	155	-9	24.7	67.13
600	1950	57177.8	177.8	9.6	-19.1	22.7	70.16
600	1925	57180.1	180.1	-5.4	-45.2	16.1	97.9
600	1900	56956.2	-43.8	-4.2	-12	22.7	114.2
600	1875	56959	-41	-1.5	1.9	19.1	100.4
600	1850	56996.6	-3.4	-3	-0.2	10.6	94.25
600	1825	57064	64	-2.8	11.1	-0.6	94.16
600	1800	57096	96	3	3.5	-1.8	86
600	1775	57112.6	112.6	1.9	-2.4	-1.5	84.99
600	1750	57161.5	161.5	3.2	-6.4	-3.6	89
600	1725	57210.5	210.5	2.7	-8	-2.7	91.45
600	1700	57240.8	240.8	5.6	-8.6	-8	94.76
600	1675	57245.8	245.8	2.4	-8.1	-15.5	98.75
600	1650	57251.1	251.1	7.3	-5.7	-13.5	103.8
600	1625	57178.4	178.4	4.3	-2.7	-13	99.48
600	1600	57080.2	80.2	-37.1	-164.8	24.7	181.5
400	3050	57616.1	616.1	107.8	-7.6	6.6	62.51
400	3025	57654	654	178.3	-7.2	7.6	62.47
400	3000	57631.7	631.7	97	-14	13.4	64.38
400	2975	57658.2	658.2	290.3	-17	7.3	64.03
400	2950	58116.6	1116.6	14.8	-31.3	-1.3	64.99
400	2925	57351.2	351.2	-144.4	-54	-11.6	78.85
400	2900	57123.7	123.7	-0.3	-35.3	8.2	105
400	2875	56744.4	-255.6	-4.7	-12.1	12.6	98.53
400	2851	56666.7	-333.3	-3.2	-0.6	6.3	83.19
400	2826	56676.7	-323.3	0.6	-1.8	4.8	76.52
400	2801	56683.4	-316.6	-1.3	-1.2	3.1	76.44
400	2776	56672.3	-327.7	-0.3	-1.5	3.3	77.11
400	2751	56663	-337	-0.1	-2.8	5.2	75.48
400	2726	56625.4	-374.6	0.2	-8.7	2	82.37
400	2701	56617.1	-382.9	2.2	2.2	-6.7	84.88
400	2676	56592.2	-407.8	2.4	7.8	-17	71
400	2601	56626.4	-373.6	1.4	-6.4	-19.6	76.48
400	2575	56669.6	-330.4	5	-0.2	-16.1	75.42
400	2550	56756.9	-243.1	-11.5	-3.9	-16.7	73.76

400	2525	57395.1	395.1	36.1	-13.6	-16.3	79.91
400	2500	57178.1	178.1	-24.7	9.1	-6	84.92
400	2475	57829	829	53.8	-14.4	-17.3	85.13
400	2450	57317.8	317.8	-6.2	7.4	-3.4	89.3
400	2425	57309.3	309.3	1.4	12.4	-1.2	80.4
400	2400	57587.1	587.1	51.9	13.6	-0.6	71.63
400	2375	57325.8	325.8	53.4	7.8	-3.5	70.61
400	2351	56888.2	-111.8	-8.8	9.7	0	68.02
400	2328	56960	-40	-1.8	7.8	0.8	68.25
400	2305	56954.3	-45.7	-3.2	8.7	3.9	66.26
400	2282	56999.6	-0.4	-25.9	5.5	5.6	64.4
400	2259	57355.2	355.2	7.7	3.9	6.2	62.3
400	2236	57053.5	53.5	-6.6	-0.6	7.9	64.21
400	2213	56820.4	-179.6	-146.1	-5.4	7.3	63.05
400	2190	56925.9	-74.1	14.6	-9.7	7.6	63.6
400	2167	56976.7	-23.3	-1.2	-13.1	8.4	64.05
400	2144	57879.5	879.5	221.8	-16	9.5	64.31
400	2121	56693.8	-306.2	-31.1	-21.2	8	64.88
400	2098	56334	-666	-39.7	-28.8	4.4	65.72
400	2075	56658	-342	-6.3	-52.6	6.9	78.7
400	2052	56782.2	-217.8	-2.9	12.5	27	85.09
400	2024	56760	-240	-4.3	0.2	16.7	86.32
400	1996	56841.2	-158.8	-0.9	4	12	81.9
400	1968	56938.1	-61.9	2	3.8	9.1	79.38
400	1940	57029.5	29.5	2.9	4.7	5.1	77.91
400	1912	57094.5	94.5	1.2	3.2	2.7	72.7
400	1884	57121.5	121.5	8.8	-1.8	5.8	72.63
400	1856	57098.9	98.9	3.4	-0.9	0.5	78.47
400	1828	57114.8	114.8	3.6	-7.1	-2.3	72.19
400	1800	57199.2	199.2	6.2	-7.8	-1.2	86.87
400	1775	57215.3	215.3	7.4	-2.9	-1.8	87.47
400	1750	57218.1	218.1	3.9	-4.7	-3.4	85.36
400	1725	57255.2	255.2	6.1	-7.4	-7.5	88.15
400	1700	57300.4	300.4	5.5	-6.8	-14.1	94.51
400	1675	57362.1	362.1	10.3	-1.4	-20.6	97.54
400	1650	57339.1	339.1	9.2	-1.4	-21.3	102.6
400	1625	57265.1	265.1	6.9	8.5	-18.6	104.9
400	1600	57145	145	5.5	22.4	-14.5	90.46
400	1575	57142.8	142.8	13.9	-21.2	-6.7	57.91
200	2800	56659.6	-340.4	1.2	1.2	-15.4	80.79
200	2775	56669.2	-330.8	3.6	13.8	-16.8	83.06
200	2750	56655	-345	-0.3	22.2	-16.5	79.27
200	2725	56620.6	-379.4	-4.6	32.9	-11.5	69.78
200	2700	56749.9	-250.1	83.5	22	-14.2	61.88
200	2675	56595.3	-404.7	-0.2	15.3	-11.6	59.17
200	2650	56578.6	-421.4	-0.2	13.6	-8.8	57.5
200	2625	56564.3	-435.7	-22.4	6.5	-9.4	57.37
200	2600	56601.1	-398.9	-1.7	5.1	-8.3	55.94
200	2575	56583.7	-416.3	1.6	-1.4	-9.3	56.1
200	2550	56559.5	-440.5	-2	-7	-8.7	58.14
200	2525	56548.2	-451.8	-32.6	-11.7	-9.5	61.31
200	2500	56710.7	-289.3	-59.6	-20.4	-13.2	67.31
200	2475	57392.5	392.5	5.9	-4.7	-3.8	79.3
200	2450	57325.5	325.5	-70.6	12	1.5	67.35
200	2425	57268.3	268.3	-73.5	11.7	2.4	63.12
200	2400	56875.5	-124.5	-44.9	10.6	4.4	58.33

200	2375	57018.1	18.1	-46.7	7.6	4	52.92
200	2375	57055.9	55.9	-25.2	8	3.8	53.6
200	2350	57138.5	138.5	7	-2.1	-2.1	50.42
200	2325	58340.2	1340.2	282	-9.3	-3.6	60.05
200	2300	57746.8	746.8	43.3	5.8	3.3	62.86
200	2275	57127.7	127.7	-3.6	11.6	10.5	51.09
200	2250	57035.1	35.1	3.2	-4	1.8	49.19
200	2225	57283	283	8.4	-4.3	8.7	58.29
200	2200	57328.8	328.8	15.3	14.4	30.4	57.26
200	2175	57140	140	-6.2	-9.3	27.3	51.32
200	2175	57139.7	139.7	-6	-9.2	27.1	50.14
200	2150	56970.7	-29.3	-12.9	-22	22.6	51.24
200	2125	56801.3	-198.7	-14	-36.5	21	54.55
200	2100	56714.5	-285.5	-3.5	-51.8	18	76.85
200	2100	56714.9	-285.1	-4.8	-51.8	18.1	77.14
200	2075	56772.4	-227.6	-1.9	-16.4	24.6	84.93
200	2050	56878.9	-121.1	5.5	2.9	19	70.76
200	2025	56928.4	-71.6	0.8	3.8	8.7	64.92
200	2000	56962.3	-37.7	2.7	5.2	8.6	63.66
200	1975	57051.6	51.6	-0.4	5.3	6.4	60.05
200	1950	57164.1	164.1	5.5	6.1	6.4	57.51
200	1925	57219	219	2.3	0.6	7.4	54.53
200	1896	57270.9	270.9	4	-2.5	0	55.4
200	1846	57289.1	289.1	6.4	-3.7	2	56.86
200	1821	57261.7	261.7	5.4	-0.3	5.6	57.94
200	1796	57233.5	233.5	5.7	1.4	5.2	57.52
200	1771	57198.4	198.4	2.5	0	4.1	56.19
200	1750	57182	182	3	0.1	3.5	54.02
200	1725	57176.3	176.3	1.4	-10.4	7.5	50.65
200	1700	57153.7	153.7	-4.7	-31	18.3	55.58
200	1675	57158.7	158.7	2.1	-22.2	9.5	61.27
200	1650	57171.6	171.6	-2.2	-9.7	9.6	58.16
200	1625	57222.6	222.6	-9	-15.8	33.6	51.95
200	1600	57240.2	240.2	1.2	-33.7	50.7	47.98
200	1575	57019.2	19.2	-55.3	-84.8	333.3	84.47

May 19, 1991

Part.T (Triangle)

Line 15 - 24 w

Stat 700N - 1500N

Operator Dennis Gamble, Cathay Explortion Inc.
EDA Omni Mag + field unit, Omni Mag + base station
Staff lenght 3m Gradient seperation 50 cm

TF = Total Magnetic Field Diurnal Corrected
TF- = Total Magnetic Field Corrected - 57,000 gammas

VLF Cuttler Orientation striking grid at 93 degree
VIP = Veritcal In Phase with Total Field Amplitude %
Quad = Verticle out of Phase with TFA %
TFVLF = Total (Maximum) VLF field Amplitude EDA Units
Not corrected for atmospheric drift

Line	Stat	TF	TF-	VGrad	VIP	Quad	TFVLF
-1500	1500	57044.1	44.1	-3	-4	9.3	14.37
-1500	1475	57077.8	77.8	0.1	-3	8.3	14.2
-1500	1450	57075.9	75.9	2.6	-5.2	5.6	15.1
-1500	1425	56928.4	-71.6	-1.1	-0.4	-4.6	16.12
-1500	1400	56730.7	-269.3	-9.2	6.7	-17.9	17.9
-1500	1375	56802.5	-197.5	-13.8	22	-19.8	19.18
-1500	1350	57182.1	182.1	1.7	42.5	-17.6	17.25
-1500	1325	56854.1	-145.9	-98.1	58	-6.7	13.83
-1500	1300	56915.6	-84.4	-289.3	58.8	19.2	11.26
-1500	1275	57163.7	163.7	-154.8	40.7	10.5	9.85
-1500	1250	58267.9	1267.9	-103.8	28	7.4	9.07
-1500	1225	60185	3185	552.1	15.5	6	8.56
-1500	1200	57834.4	834.4	16.2	6.9	7.3	8.54
-1500	1175	59265.9	2265.9	6.2	-4.4	5.9	8.6
-1500	1150	58348.4	1348.4	-86.1	-16	5.1	9.01
-1500	1125	59306.8	2306.8	99.7	-26.8	2	9.63
-1500	1100	59443.1	2443.1	300.9	-36.2	-9.9	11.56
-1500	1075	58301.8	1301.8	-78.4	-2.9	1	18.46
-1500	1050	58553.7	1553.7	-119.9	29.7	3.7	19.74
-1500	1025	59968.8	2968.8	108.4	56.5	0.7	14
-1500	1000	58158.8	1158.8	-50.1	45.8	-17.4	11.76
-1500	975	58191.7	1191.7	-0.6	41.2	-17.2	10.8
-1500	950	58070.2	1070.2	2.4	41.2	-13.5	10.39
-1500	925	58407	1407	35.2	39.5	-10.9	8.83
-1500	900	57340.5	340.5	-48.3	30.4	-11.8	8.78
-1500	875	57376.3	376.3	-59	29.8	-5.2	8.16
-1500	850	57208.7	208.7	-17.5	20.7	-10.5	8.01
-1500	825	56772.9	-227.1	-57.9	14.6	-13.7	7.88
-1500	800	57030.7	30.7	12.7	0.3	-20.5	8.05
-1500	775	56878.3	-121.7	-4.2	0.2	-13.6	10.08
-1500	750	56846.5	-153.5	-9.7	9.4	-10.2	8.25
-1500	725	56789.1	-210.9	-16.3	-13.5	-25.9	8.85
-1500	700	56789.3	-210.7	-14.8	-13.3	-25.9	8.85
-1600	1425	57848.6	848.6	40.1	-3.7	10.8	13.93
-1600	1400	57245.5	245.5	2	-5.7	5.9	17.08
-1600	1375	56930.1	-69.9	-5.5	2.6	-2.4	19.39

-1600	1348	56649.6	-350.4	-25.3	16.5	-10.9	20.03
-1600	1321	57549.6	549.6	-152.6	51.4	-8	19.1
-1600	1294	58853.9	1853.9	96.5	56.1	3.7	12.72
-1600	1267	58575.5	1575.5	-127.6	43.2	2.5	11.15
-1600	1240	57637.3	637.3	-474.5	37.5	0.9	10.66
-1600	1213	57801.5	801.5	-33.3	27	2.2	10.23
-1600	1186	57930	930	-103.9	16.7	1.5	9.74
-1600	1159	58808.9	1808.9	31.2	7.6	0.2	9.5
-1600	1132	58478.8	1478.8	46.4	-1.9	-1.3	9.54
-1600	1105	58306.2	1306.2	115.1	-11.1	-2.2	9.69
-1600	1078	57483.8	483.8	9.2	-27.4	-6.5	10.68
-1600	1051	58068.4	1068.4	8.9	-45	-15.3	14.77
-1600	1024	60610.6	3610.6	168.8	20.9	11.9	18.76
-1600	997	57397.7	397.7	-304	30.1	8.1	19.17
-1600	970	58466.3	1466.3	-5.1	40.8	5.7	15.37
-1600	943	58988.6	1988.6	151.8	38.4	-6.5	13.23
-1600	916	57754.5	754.5	-21.3	39.7	-8.1	12.72
-1600	889	57960.7	960.7	4	39.6	-7.8	10.88
-1600	862	57516.3	516.3	-11.1	33.2	-4.1	9.9
-1600	835	57234.9	234.9	-73.8	23.5	-12.9	9.69
-1600	808	57215.7	215.7	2.4	12.4	-17.6	9.6
-1600	781	57020.8	20.8	-16.1	4.5	-31.2	10.1
-1600	754	56906.6	-93.4	-1	-7	-18.6	10.45
-1600	727	56924.7	-75.3	-5.5	3	-9.3	10.11
-1600	700	56938.1	-61.9	-13.9	-20.6	-22.3	10.46
-1700	1375	56888.3	-111.7	-44.3	42.1	-5.8	24.06
-1700	1350	57074.3	74.3	7.3	45.4	-10.5	20
-1700	1325	57239.6	239.6	-2.5	55	-5.2	18.41
-1700	1300	57702.1	702.1	-6.4	55.6	1.2	14.46
-1700	1275	57401.6	401.6	-34.1	40.7	-1.5	13.07
-1700	1250	57401.1	401.1	36.4	33.7	-2.1	12.5
-1700	1225	58022.4	1022.4	207.6	29.1	-0.5	12.4
-1700	1200	58861.4	1861.4	30.8	18.5	-3.1	11.78
-1700	1175	58179.7	1179.7	-54.8	11.1	-2.5	11.72
-1700	1150	57407.6	407.6	-32.3	4.4	-2.2	11.57
-1700	1125	57870.4	870.4	-18.5	-2.7	-3	11.59
-1700	1100	58690.4	1690.4	274.6	-10.5	-5.5	11.85
-1700	1075	58096.8	1096.8	-182.7	-21.4	-10.5	12.96
-1700	1050	58037.8	1037.8	-178.5	-31.3	-10.4	14.95
-1700	1025	59174.3	2174.3	215.9	-36.5	-2.5	16.05
-1700	1000	58411.3	1411.3	-19.8	-30.1	-3.5	19.33
-1700	975	57327.9	327.9	-17.2	-11.4	-1.6	23.65
-1700	950	55949.3	-1050.7	-206.6	42.8	6.2	21.1
-1700	925	57781	781	-40.7	48.7	-1	15.54
-1700	900	57869.5	869.5	-31	43.2	-8.7	13.11
-1700	875	57969	969	-72.9	35.4	-14.4	11.74
-1700	850	58233.9	1233.9	22.6	24.8	-16.9	10.93
-1700	825	57460.4	460.4	-4.1	13.5	-19.9	10.95
-1700	800	57225.7	225.7	-5.6	2.2	-26	11.07
-1700	775	57088.6	88.6	-19.7	8.3	-13	12.16
-1700	750	56753.5	-246.5	-97.6	14.1	-7.9	11.55
-1700	725	57937.7	937.7	-41.8	2.8	-12.9	11.32
-1700	700	58407	1407	147.8	-14.5	-16.7	12.91
-1800	1275	57410	410	-67.9	69.3	3.6	15.53
-1800	1250	57407.7	407.7	-1.4	25.4	-7.9	13.8
-1800	1225	57079.7	79.7	-38.2	29.8	-2.6	12.48

-1800	1200	57041.5	41.5	-58.2	13.5	-0.8	13.02
-1800	1175	57272.3	272.3	-14.3	19.8	-2.9	11.72
-1800	1150	56742.9	-257.1	-289	10.9	-6.8	11.46
-1800	1125	57064.4	64.4	-196.2	-0.5	-9.9	11.56
-1800	1100	57576.5	576.5	-71.6	-5.8	-8.7	11.94
-1800	1075	58229.5	1229.5	-28.5	-8.7	-5.5	11.93
-1800	1050	58608.2	1608.2	85.7	-11.8	-4.2	11.83
-1800	1025	58743.8	1743.8	120.5	-24.5	-7	12.78
-1800	1000	57766	766	23	-26.5	-3.5	15.76
-1800	975	59899.3	2899.3	188.5	-35.4	-3.9	19.91
-1800	950	57401.5	401.5	-53.2	58.1	2.2	24.37
-1800	925	55793.6	-1206.4	-57.1	62.4	-7.4	15.34
-1800	900	56952.8	-47.2	-42.1	45.3	-11.4	13.11
-1800	875	57292.2	292.2	-19.3	35.9	-15.3	11.17
-1800	850	57994.3	994.3	65	22.7	-24.6	10.55
-1800	825	58428.6	1428.6	71.9	3.2	-27.8	10.67
-1800	800	58128.4	1128.4	27	-1.1	-19.5	12.08
-1800	775	57838.9	838.9	-22.6	9.8	-5.4	11.2
-1800	750	58876.1	1876.1	49.1	-4.3	-16.1	10.36
-1800	725	58639.7	1639.7	17.5	-10.1	-10	11.31
-1800	700	58116.9	1116.9	86.3	-51.5	-18.5	13.04
-1900	1175	57606.3	606.3	-18.8	-114.7	-6.5	34.59
-1900	1162.5	57600.2	600.2	-59.6	120.5	-3.4	36.82
-1900	1150	57801	801	-35.4	52.4	-3.8	21.3
-1900	1137.5	58290.9	1290.9	98.3	23.3	-8.3	19.87
-1900	1125	58099	1099	56.8	27.5	-1.1	19.91
-1900	1112.5	57483.4	483.4	9.6	31	3.9	17.6
-1900	1100	57422.7	422.7	39.9	24.9	4.6	15.68
-1900	1087.5	57217.8	217.8	-58.7	16.7	2	15.33
-1900	1075	57315.6	315.6	-45.4	11.1	1.9	15.44
-1900	1062.5	57535.6	535.6	-30.1	7.4	1.1	15.36
-1900	1050	58245.5	1245.5	53.5	1.4	-1	15.76
-1900	1037.5	58928	1928	234.8	0.2	0.9	15.73
-1900	1025	57925.9	925.9	-69.1	-5.7	-3.8	15.77
-1900	1012.5	58584	1584	124.2	-9.2	-7	16.47
-1900	1000	57670.8	670.8	-100.8	-13.4	-8.3	17.62
-1900	987.5	57965.4	965.4	262.5	-13	-10.6	18.35
-1900	975	57070.3	70.3	-308.7	-15.5	-14.5	19.93
-1900	962.5	57183.5	183.5	-289.1	-14.6	-16.2	22.43
-1900	950	58129.8	1129.8	56.9	-12.9	-21.4	23.72
-1900	937.5	60856.9	3856.9	2498.4	8.9	-2.4	25.62
-1900	925	59426	2426	96	10.8	-8	22.96
-1900	912.5	58370.8	1370.8	-82.8	-1.1	-11.6	27.08
-1900	900	58477.5	1477.5	13.2	49	-2.5	30.81
-1900	887.5	57790.8	790.8	-477.3	47.8	-6.6	21.01
-1900	875	58843.6	1843.6	147.8	43.2	-7.5	18.67
-1900	862.5	58095.7	1095.7	-8.3	37.3	-12.9	17.33
-1900	850	57678.5	678.5	-72	32.7	-15.7	16.12
-1900	837.5	57658.1	658.1	-81.4	23.2	-20.4	15.78
-1900	825	58068.5	1068.5	-35.6	17.9	-24.5	15.44
-1900	812.5	58302.2	1302.2	23.4	9.5	-28.8	15.34
-1900	800	58632.5	1632.5	-35.7	-4.6	-37.6	15.63
-1900	787.5	58253.3	1253.3	-6.8	-15.2	-30.9	18.54
-1900	775	57736.1	736.1	-57.1	5	-11.3	19.93
-1900	762.5	57793.8	793.8	68.5	16.3	-6.8	15.19
-1900	750	58427.3	1427.3	154.6	1.1	-17.9	14.35

-1900	737.5	57954.1	954.1	-215.8	-11.7	-26.5	14.68
-1900	725	58789	1789	108	-23	-26.4	15.26
-1900	712.5	58220.8	1220.8	58.2	-43.5	-32.3	17.68
-1900	700	57579.1	579.1	-55.2	-57.8	-20.1	21.26
-2000	1087.5	57847.6	847.6	-31	-85.7	-9.9	26.95
-2000	1075	56963.5	-36.5	-112.8	54.9	0.2	17.39
-2000	1062.5	57248.3	248.3	-76.7	39.6	19	16.16
-2000	1050	57934.5	934.5	69.4	18.2	8.6	14.96
-2000	1037.5	58069.9	1069.9	65.3	9.9	5.2	14.8
-2000	1025	58307.1	1307.1	124	2.5	1.8	15.01
-2000	1012.5	58332.1	1332.1	-72	-4.7	0	15.57
-2000	1000	59014.5	2014.5	207.2	-13	-2.1	15.36
-2000	987.5	58213.7	1213.7	108.7	-15.8	-3.6	16.11
-2000	975	56894.2	-105.8	-73.8	-19.7	-6.6	17.68
-2000	962.5	56470	-530	-84.1	-21	-9.8	18.8
-2000	950	57056.6	56.6	135.9	-25.6	-12.3	19.97
-2000	937.5	57858.2	858.2	60.2	-24.3	-12.4	22.42
-2000	925	59457.7	2457.7	354.9	-22.2	-16.4	25.92
-2000	912.5	58441.5	1441.5	-9.7	-2.4	-8.2	31.78
-2000	900	58672.9	1672.9	127.8	21.7	-9.7	27.2
-2000	887.5	58116.5	1116.5	33.8	26.8	-16.7	25.15
-2000	875	57294.4	294.4	-65.1	38.7	-15.3	23.11
-2000	862.5	57559.6	559.6	-97.8	47.1	-14.8	19.02
-2000	850	58203.8	1203.8	-103.5	27.6	-28.3	16.95
-2000	837.5	58651.6	1651.6	95.8	8.9	-33.5	17
-2000	825	57810	810	-14.3	7	-30.4	17.42
-2000	812.5	57655.9	655.9	-29.4	5.8	-20.2	18.25
-2000	800	57755.9	755.9	36	15.2	-12.6	17.38
-2000	787.5	57222.4	222.4	-57.3	16.3	-7.7	16.46
-2000	775	57775.3	775.3	73.2	9.1	-8.9	15.71
-2000	762.5	57739.4	739.4	-62.6	2.9	-9	14.52
-2000	750	57408.2	408.2	-48.5	-23.5	-21	18.51
-2000	737.5	58867.4	1867.4	496.1	12.2	8.6	15.55
-2000	725	57306	306	-269.4	-3.8	3.2	14.78
-2000	712.5	57168.3	168.3	-67	-21.4	-4	14.85
-2000	700	58190.6	1190.6	93.3	-51.9	22.3	18.63
-2100	1000	58251.9	1251.9	445	0.4	23.5	41.99
-2100	987.5	58065.7	1065.7	22.2	-18.3	5.5	42.24
-2100	975	58386.9	1386.9	96.9	-27.8	-0.3	47.01
-2100	962.5	58219	1219	71.9	-27.9	-0.5	52.1
-2100	950	57734.2	734.2	-32.2	-26.8	-2.1	56.45
-2100	937.5	58288.4	1288.4	-100.9	-13.9	-2.3	63.95
-2100	925	59513.9	2513.9	219.4	-18.7	-7.2	61.48
-2100	912.5	57797.8	797.8	71.9	-9.1	-5.9	73.82
-2100	900	57998.8	998.8	-36.9	-10.9	-5.8	74.65
-2100	887.5	57548	548	-27.9	3.9	-6.2	79.23
-2100	875	57665.4	665.4	-3.7	21.2	-8.8	79.62
-2100	862.5	58000.9	1000.9	29	35	-13.3	72.41
-2100	850	58001.7	1001.7	21.5	38.1	-15.5	69.49
-2100	837.5	57787.6	787.6	-15.1	52.9	-9.8	66.31
-2100	825	57565.7	565.7	-19.7	62.2	-2.6	61.13
-2100	812.5	57360	360	-81.3	76.3	15.7	53.29
-2100	800	58148.4	1148.4	98.4	55	9.2	42.77
-2100	787.5	57779.1	779.1	-19.3	44.9	5.6	40.18
-2100	775	57902.2	902.2	-12.2	36.1	2.2	37.6
-2100	762.5	58194.4	1194.4	72.7	28.9	-0.2	35.84

-2100	750	57773.1	773.1	22.6	17	-1.9	35.14
-2100	737.5	57624.7	624.7	-24.4	7.6	-3.4	34.24
-2100	725	57755.3	755.3	-78.9	-5.4	-3.4	32.93
-2100	712.5	58339.2	1339.2	165	-19.3	-4.4	33.06
-2100	700	57544.8	544.8	-275	-45.9	-8.3	36.08
-2200	925	57326.4	326.4	-40.2	0.9	12.5	56.71
-2200	912.5	57232	232	-1.8	1.8	0.9	57.78
-2200	900	57145.1	145.1	-5.6	2.7	-5.7	59.18
-2200	887.5	57099.3	99.3	-5.5	4.3	-11.4	62.03
-2200	876	57065.8	65.8	-5.7	6.9	-15.3	62.97
-2200	865	57061.1	61.1	-5.3	11.4	-19.9	62.8
-2200	854	57067.8	67.8	-6	15.3	-20.9	63.69
-2200	843	57103	103	-5.3	19.3	-21.8	61.67
-2200	832	57176.5	176.5	-9.2	25.2	-20.2	59.98
-2200	821	57266.5	266.5	-39	32.5	-15	57.11
-2200	810	57712.4	712.4	-10.5	44.9	-7	50.72
-2200	799	58747.6	1747.6	138.4	51.6	5.9	43.08
-2200	788	59106.9	2106.9	257.2	40.5	7.1	35.89
-2200	777	58015.4	1015.4	-6.4	28	-2.1	34.04
-2200	766	58013.3	1013.3	-70	21.3	-2.2	33.48
-2200	755	58222.3	1222.3	136.7	14.1	-3.5	32.32
-2200	744	57472.8	472.8	-81.8	4.6	-7.1	32.12
-2200	733	57861.5	861.5	106.4	-8.8	-13.3	31.84
-2200	722	57722.1	722.1	-3.5	-19.8	-17	35.76
-2200	711	57436.2	436.2	-29.8	-14.4	-14.2	39.21
-2200	700	57249.4	249.4	-39.1	-21.5	-12	55.88
-2300	875	57351.2	351.2	-11.3	32	-9.2	37.92
-2300	850	57530.2	530.2	9	32.7	-10.9	35.25
-2300	825	57602.2	602.2	-7.2	50.6	5.7	31.13
-2300	800	59944.7	2944.7	335.3	41.9	12.8	23.39
-2300	775	58070.3	1070.3	46.4	21.6	5.9	21.93
-2300	750	57212.1	212.1	-79.7	9.6	-0.7	22.3
-2300	725	58105.9	1105.9	-6.3	-0.2	-2.4	24.33
-2300	700	58101.6	1101.6	-8.9	0	-2.3	24.33
-2400	800	56996.3	-3.7	-57.7	71.4	4.1	9.42
-2400	775	57160.8	160.8	-8.8	18	-2.7	4.97
-2400	750	57355.9	355.9	34.4	0	-8.2	5.19
-2400	725	57351.1	351.1	33.4	-1	-8	5.22
-2400	700	57068.3	68.3	-96.1	-22.7	-6.7	11.75