GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE IOTA PROPERTY NICOLA MINING DIVISION SOUTHERN BRITISH COLUMBIA

Location
NTS 92-I/2E
Latitude: 50°07'N
Longitude: 120°33'W

FOR

IOTA EXPLORATIONS LTD.
#440-175 2nd Avenue
Kamloops, B.C.
V2C 5W1

BY

D.A. Collins Ph.D., P.Geol., FGAC and
R.R. Arnold, M.Sc., P.Geol., FGAC
HI-TEC RESOURCE MANAGEMENT LTD.
1500 - 609 Granville Street
Vancouver, B.C.
V7Y 1G5

June, 1989

TABLE OF CONTENTS

APPENDICES

ILLUSTRATIONS

1.0 SUMMARY

Pursuant to a request by the Directors of Iota Explorations Ltd., a limited program of rock geochemistry, geological mapping and a VLF-EM survey was conducted on selected areas of the Iota property, Nicola Mining Division, by Hi-Tec Resource Management Ltd. during April of 1989.

The Iota property is located on the southeastern side of Nicola Lake, approximately 16 km east of Merritt, B.C. The subject claims are underlain by Upper Triassic Nicola Group volcanics. These consist mainly of epidotized red and green andesites and andesitic tuffaceous rocks with interlayered minor limestones. These rocks are cut by numerous dioritic intrusions and quartz veins.

A Magnetic and VLF-EM survey was conducted over the area of previous diamond drilling, the main bornite showing area, and an area of extensive north-south oriented faulting in the western portion of the property. A total of 22.3 line-kilometers were surveyed.

Twenty six rock grab samples were collected during the program. Rock grab sample 89-IRC-003, from the Master Vein area, yielded an highly anomalous gold value of 1.243 oz/ton and a silver value of 14.9 ppm. In the diamond drill hole area, rock grab sample 89IRC012 yielded a value of 1890 ppb (0.57 oz/ton) gold. Samples from the main bornite showing included selected sample 89IRC019 and values of 126651 ppm (12.6%) copper, 2800 ppb (0.153 oz/ton) gold and 306.0 ppm silver were recorded.

The Magnetic data indicates a lithological contact which corresponds closely to a VLF-EM anomaly striking south from approximately 100W on line 400N to approximately 80W on line 0 and from approximately 200W on line 400S to

approximately 300W on line 1000S. The majority of the north-south striking VLF-EM anomalies in the survey area are likely due to slightly conductive faults or contacts between lithologies with a significant resistivity contrast. There are a number of fairly strong short strike length anomalies along the major VLF-EM structures that may be classified as conductors and possible be associated with sulphide mineralization.

The writers conclude that geological mapping and an additional geophysical Max-Min 1 survey should be conducted on the claims. It is recommended to detail the five short strike length VLF-EM conductors and to survey a few lines at right angles to the existing grid lines to better map the cross-structures. It is recommended to drill these conductors after detailing with the Max-Min 1.

2.0 INTRODUCTION

Pursuant to a request by the Directors of Iota Explorations Ltd., a limited program of rock geochemistry, geological mapping and a magnetic and VLF-EM survey was conducted on selected areas of the Iota property, Nicola Mining Division, by Hi-Tec Resource Management Ltd. during April of 1989.

The purpose of the exploration program was to geophysically test the precious metal potential in the vicinity of the main bornite showing and an area of intense faulting to the west of it.

This report is based on the results of the 1989 exploration program and on the available literature pertaining to the area.

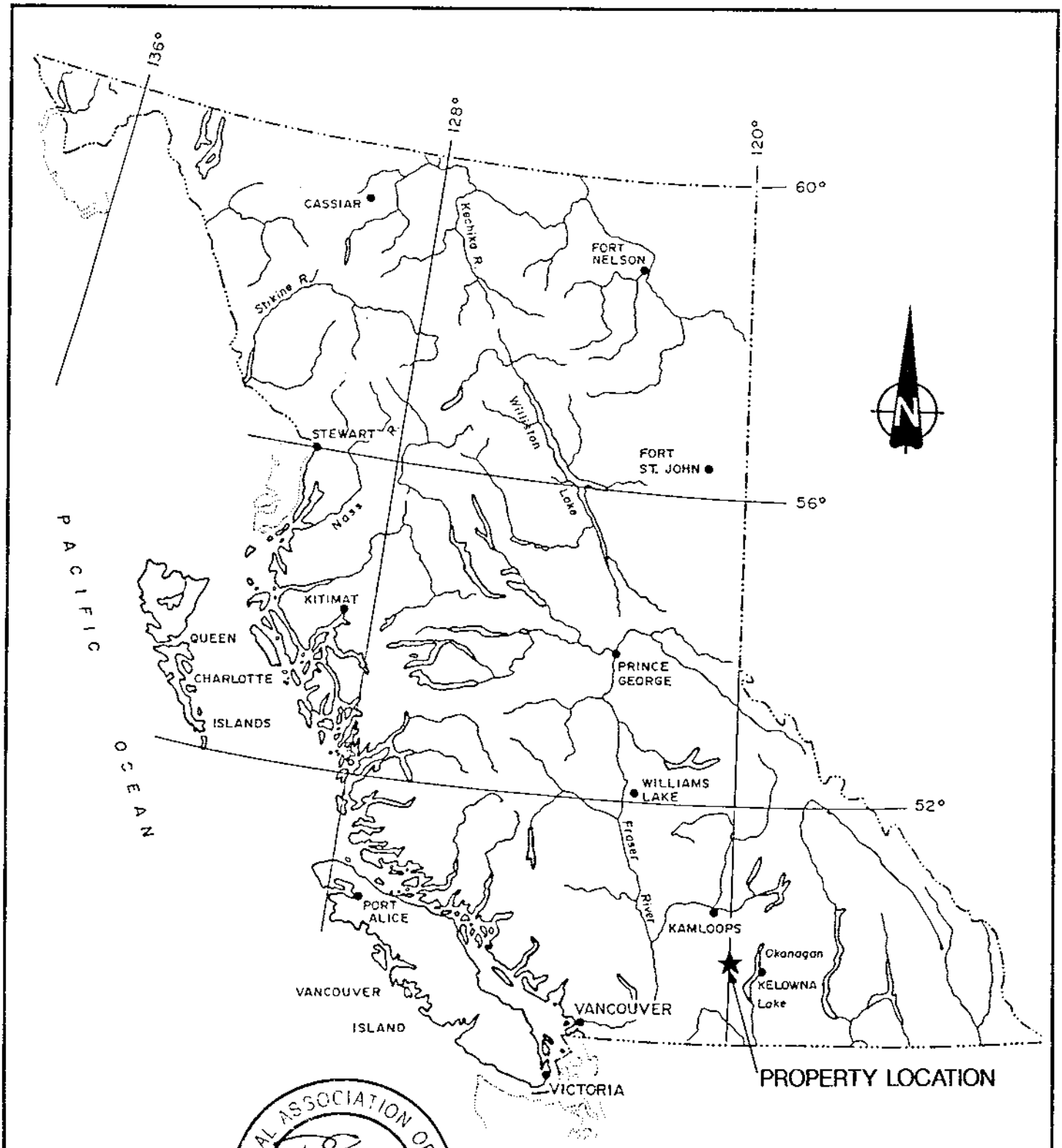
2.1 Location and Access

The Iota property is located in the Nicola Mining Division in Southern British Columbia. The claims are situated approximately 16 km east of Merritt on the southeastern side of Nicola Lake. The property is centered at latitude 50° 07' north and longitude 120° 33' west (Figure 1).

Access to the Iota property is via a ranch gravel road which commences approximately 10 km southeast of Merritt at the Lundbom Lake turnoff along the number 5A highway. There are numerous 4-wheel drive dirt tracks traversing various sections of the property.

2.2 Property and Ownership

The Iota Explorations Ltd. property consists of 12 reverted Crown-granted claims, 9 modified grid located claims and



GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

GENERAL LOCATION MAP

M-TEC RESOURCE MANAGEMENT LTD.

SCALE: N.T.S. 92-1/12		FIGURE No: 1
DWN. BY:	DATE: May/1989	
CHKD. BY: D. Collins	PROJECT No: 888C 008	FILE No:

one 2-post mineral claim, all of which are contiguous lots (Figure 2). The mineral claims comprise a total of 127 units within the Nicola Mining Division of British Columbia. Title to the claims is held by Iota Explorations Ltd.

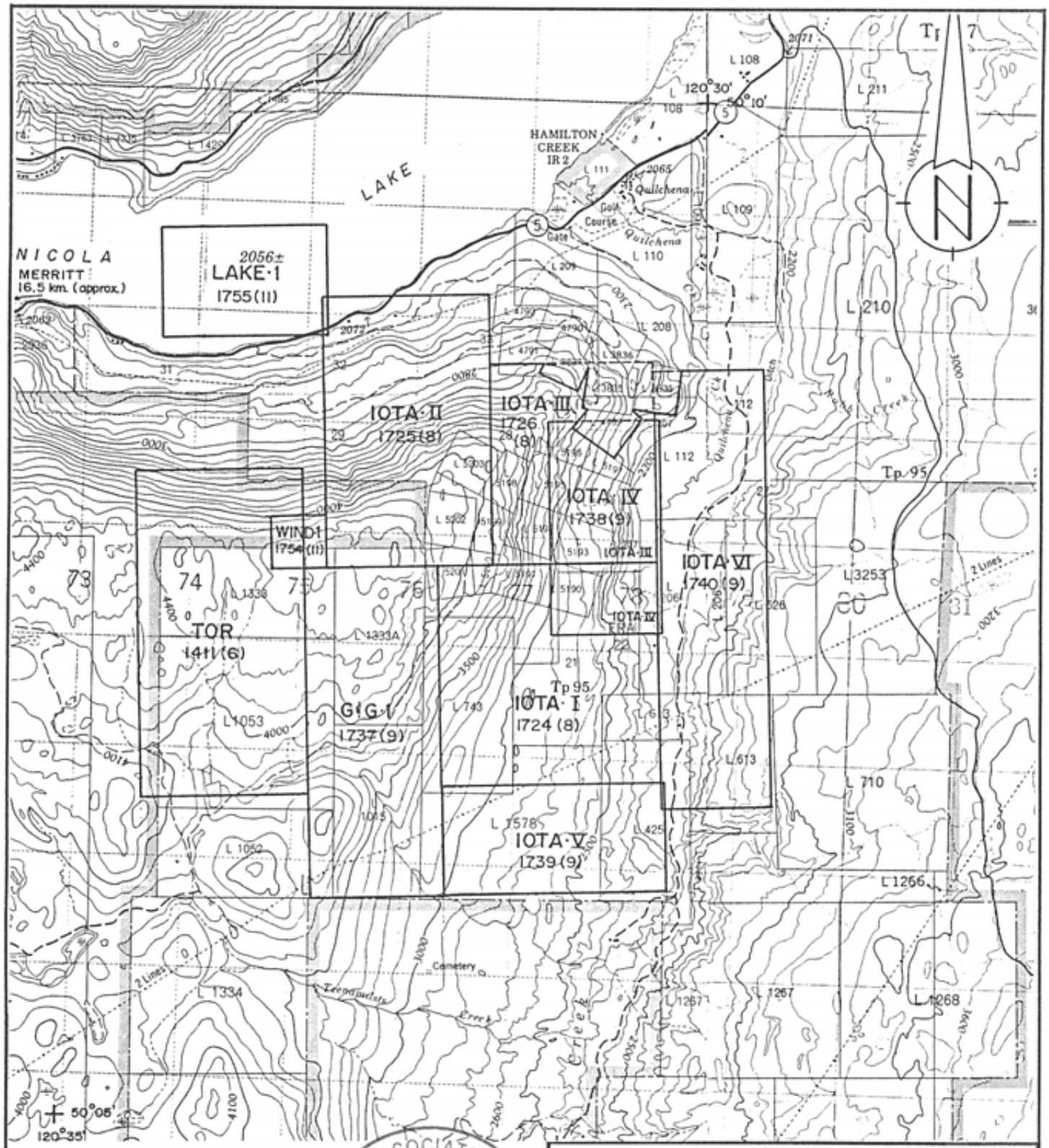
Pertinent claim data is summarized below:

Name	No. of Units	Reverted Crown Grant or Modified Grid	Lot #	Record #
Sunnyboy 1	1	RCG	5190	1323
Sunnyboy 2	1	RCG	5191	1324
Sunnyboy 3	1	RCG	5192	1325
Sunnyboy 4	1	RCG	5193	1326
Sunnyboy 5	1	RCG	5194	1327
Sunnyboy 6	1	RCG	5195	1328
Sunnyboy 7	1	RCG	5198	59322
Sunnyboy 8	1	RCG	5199	59323
Sunnyboy 9 Fr.	Fraction	RCG	5200	1329
Shannon 1	1	RCG	5201	1330
Spitfire 1	1	RCG	5202	59325
Spitfire 2	1	RCG	5203	59326
IOTA I	16	MG		1724(8)
IOTA II	15	MG		1725(8)
IOTA III	9	MG		1726(8)
IOTA IV	8	MG		1738(8)
IOTA V	8	MG		1739(9)
IOTA VI	16	MG		1740(9)
G&G I	18	MG		1737(9)
Wind #1	1	2 post		1754(11)
Lake I	6	MG		1755(11)
Tor	18	MG		1411(6)

The claim locations are shown on Figure 2.

2.3 Physiography

The claims are situated in the "dry belt" of British Columbia. Local topographic relief varies from broad open upland areas with moderate slopes to steep deeply cut gullies. Elevations on the property range from 975 meters to 1200 meters above sea level. Several small lakes and ponds occur throughout the claims. Vegetation consists



GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

CLAIM MAP

IN-TEC
RESOURCE MANAGEMENT LTD.

SCALE: 1 : 50,000	N.T.S.: 92-1/1,2	FIGURE No: 2
DWN. BY:	DATE: May/1989	
CHKD. BY: D. Collins	PROJECT No: 89BC 006	FILE No:

primarily of open grassland with abundant sage brush. Tree cover is localized to gullies and on the steep northeast facing portion of the property.

2.4 History and Previous Work

The showings on the Iota property were originally discovered in 1922. Development work on the property included the excavation of trenches and tunneling by the Quilchena Mining Company. F.J. Crossland, P.Eng., sampled a two to four foot wide quartz vein just west of the northwest corner of the Iota IV claim. Average gold values of 0.852 oz/ton were reported for 22 samples, including one assay of 9.0 oz/ton. Samples from the underground workings by Quilchena Mining ranged from 3.63 to 3.70 oz/ton gold and 9.0 to 15.0 oz/ton silver across 3 feet of vein material.

Renshaw (1961) uncovered seven quartz northeast striking quartz veins, within the Iota Explorations property, on the Sunnyboy 7 claim. These were mapped for 700 feet along strike and yielded values of 0.49, 0.61, 1.01 and 1.62 oz/ton gold in grab and channel samples. The area of these veins was examined by Sanders in 1974 and a summary by Kelly (1986) reports that values of up to 50.53 oz/ton gold and 2.80 oz/ton silver were recorded from 6 inch sample across a quartz vein (termed the Main or Master Vein). Additional anomalous values were recorded from other veins in the area.

The Master Vein area was mapped and sampled by Placer-Dome Ltd. (see Figure 6). Iota Explorations Ltd. also conducted a program of trenching and sampling along the strike of the Master Vein. Numerous roads were constructed in the vein area (see Figure 6). A breakdown of the costs of this program is given is Appendix VI.

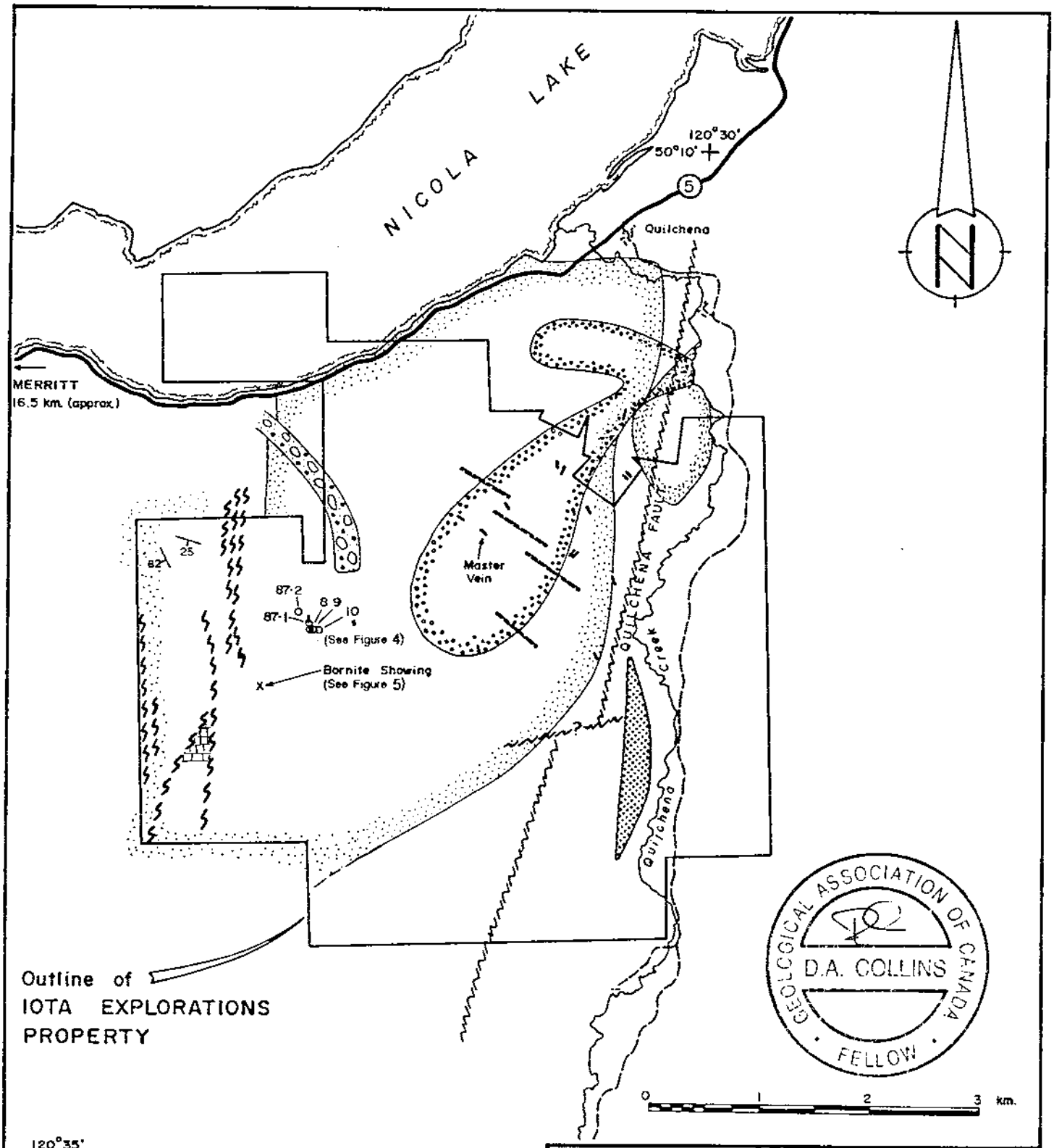
Magnetometer surveys were conducted in the Iota I and Sunnyboy claim areas by Hemsworth (1966) and Price (1970). In 1986 Iota Explorations Ltd. conducted a 424 sample soil geochemical survey over two grids located on the Iota I and Sunnyboy claims. The results of this survey are considered unreliable due to the low response in areas of known anomalous bedrock samples. Most of the property is covered by overburden and this appears to inhibit the usefulness of soil geochemistry. Magnetometer and VLF-EM surveys, over a total of 6.8 km of crosslines, were conducted on the G&G I claim. A diamond drill hole was completed on the G&G I claim during 1961 and this intersected 46 feet grading 0.11 oz/ton gold and 0.96 oz/ton silver from a quartz-calcite veined and intensely sheared red and green andesitic unit. During January 1987 two diamond drill holes totalling 802 feet were completed in the same area and values of up to 460 ppb gold were recorded.

A massive bornite showing was located on the Tor claim during 1987 and limited trenching was subsequently conducted over the area. This showing was examined by J.P. Sorbara (M.Sc., F.G.A.C.), who recommended additional work on the area. A summary report on the property has been written by Sorbara, dated 1987.

3.0 GEOLOGY

3.1 Regional Geology and Mineral Deposits

The regional geology is described on G.S.C. Map #886A which was compiled by Cockfield (1948). According to Cockfield the area is underlain by a sequence of Upper Triassic Nicola Group strata. These consist of andesites, greenstones, basalt flows with associated pyroclastics and minor argillites, limestones and conglomerates (Figure 3).



GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

PROPERTY GEOLOGY with VEIN EXPOSURES and BORNITE SHOWING

	SCALE: 1 : 50,000	N.T.S.: 92-1/12	FIGURE No: 3
	DWN. BY:	DATE: May/1989	
	CHKD. BY: D. Collins	PROJECT No: 89BC 008	FILE No:

MI-TEC RESOURCE MANAGEMENT LTD.

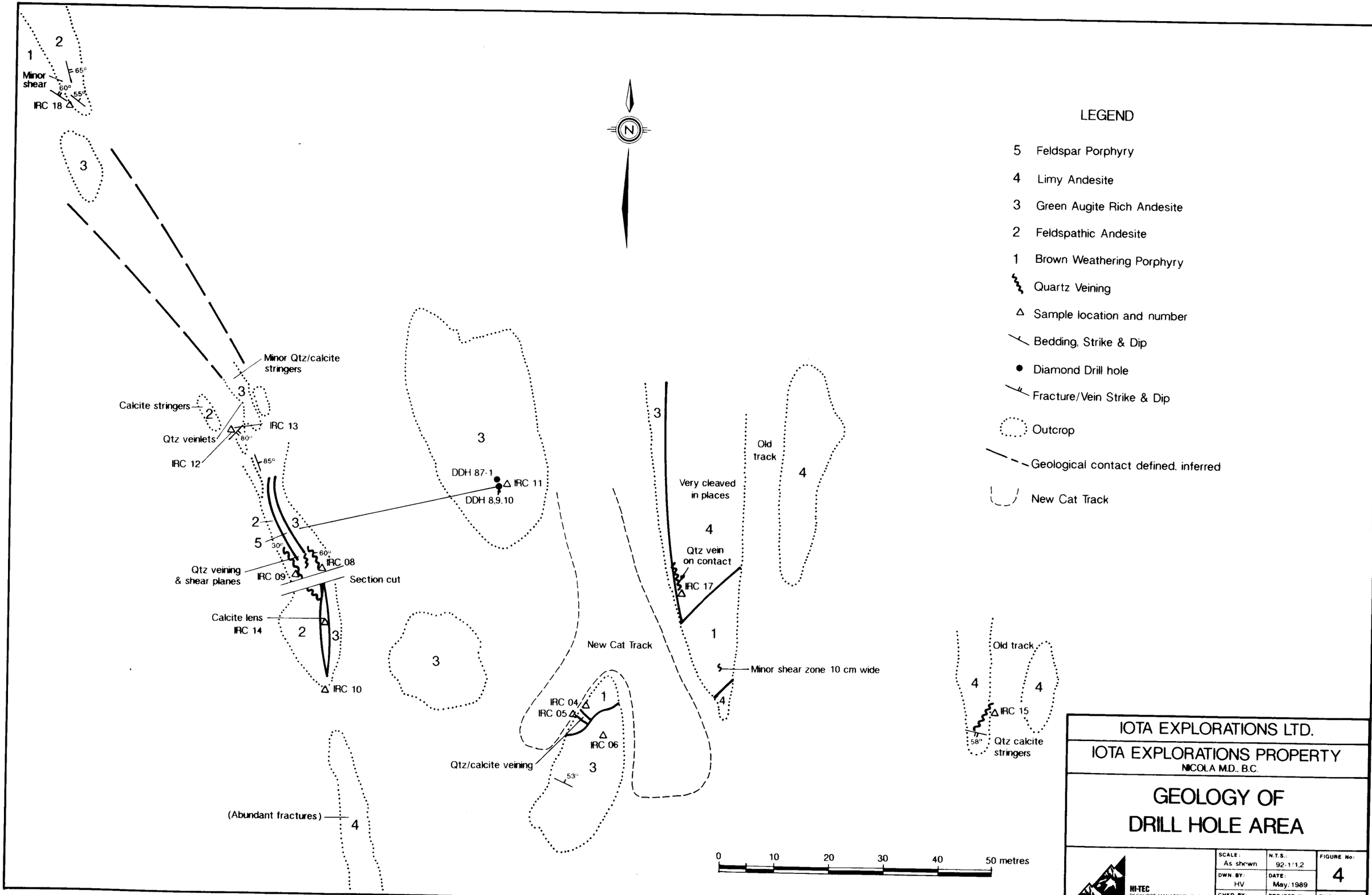
This package is intruded by plugs of Jurassic and Cretaceous (?) coast intrusions of granodiorite, granite, and quartz monzonite compositions.

3.2 Local and Property Geology

The area of the subject claims is underlain by Upper Triassic Nicola Group volcanics and interlayered argillites conglomerates and limestones. The volcanics are predominantly green but red, purple and grey colours also occur. Minor amounts of sedimentary rocks, chiefly limestones, are present on the property. Argillites are present as interlayers within the limestones in the Tor claim.

The geology of the drill hole site area is shown in Figure 4. Interbedded green augite rich andesite, feldspathic andesite, limy andesite and brown weathering andesite outcrop in the area. Minor tuff beds were also noted to the west of the mapped zone. Quartz-calcite veins have formed at and adjacent to the contacts of the augite rich andesite, feldspathic andesites and the limy andesite/brown weathering porphyry contacts. Malachite and azurite staining is associated with many of the veins. A diamond drill hole was completed on this showing during 1961 and this intersected 46 feet grading 0.11 oz/ton gold and 0.96 oz/ton silver from a quartz-calcite veined and intensely sheared red and green andesitic unit. These were again drill tested in 1987 and values of up to 460 ppb Au were recorded from the core.

At grid reference L4+29S/5+25W, massive bornite is exposed along a shear plane which is hosted by highly epidotized redish andesite (Figure 5). Malachite staining is also associated with the bornite. The shear plane pinches and



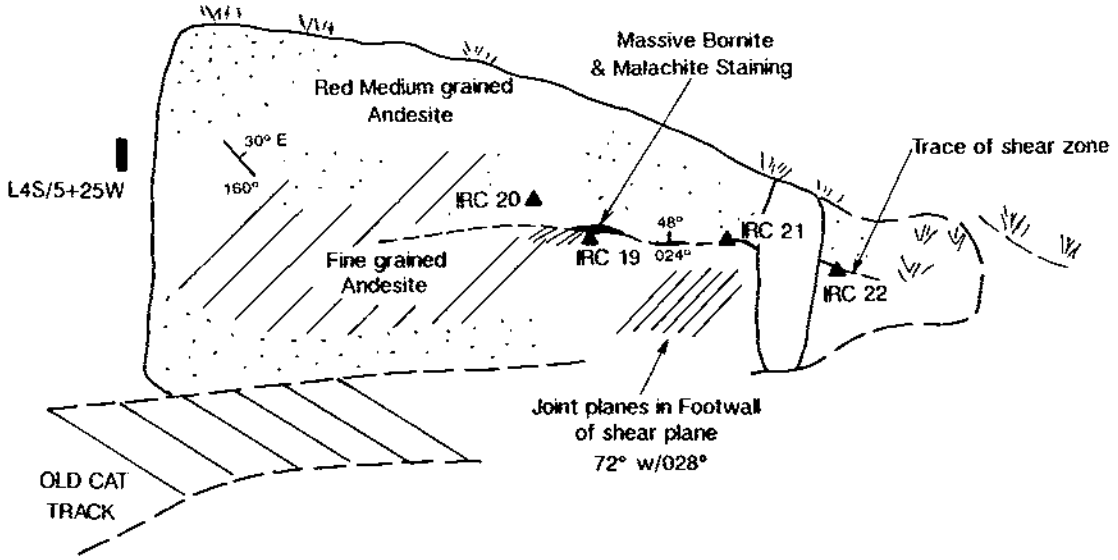
IOTA EXPLORATIONS LTD.

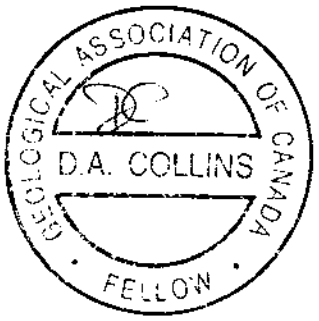
IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

GEOLOGY OF DRILL HOLE AREA

NI-TEC RESOURCE MANAGEMENT LTD

SCALE: As shown	N.T.S.: 92-1/1,2	FIGURE No: 4
DWN. BY: HV	DATE: May, 1989	
CHKD. BY: D Collins	PROJECT No: 89BC 008	FILE No:





0 10 20 30 metres

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

SCHEMATIC SECTION OF BORNITE SHOWING

HI-TEC RESOURCE MANAGEMENT LTD

SCALE: As shown	N.T.S.: 92-1/1,2	FIGURE No: 5
DWN. BY: HV	DATE: May/1989	
CHKD. BY: D Collins	PROJECT No: 89BC 008	FILE No:

swells over a strike length of approximately 8 meters and has an orientation of approximately $48^0N/024^0$. The thickness of the infilled shear plane varies from 1 to 20 centimeters. The shear plane appears to have developed along the interface between a medium and a fine grained andesite. The latter exhibits a spaced cleavage which is slightly refracted at the shear plane. The interface between the contrasting lithologies acted as a preferential site of movement and mineralization deposition.

Traces of ankerite were observed associated with green andesite at L8+20S/1+75W and two samples were collected. No visible sulphides were noted at this location.

A major north-northeast trending fault, the Quilchena Fault, occurs on the eastern portion of the property. This may be associated with and have influenced the development of the numerous gold bearing quartz veins in the area. Numerous north-northeast striking faults are shown on the GSC mapping in the Tor claim area and these separate blocks of volcanics from limestones and argillites. These faults may have acted as conduits for or have influenced the localization of the bornite mineralization in the Tor claim. This area was covered by the geophysical grid during the 1989 exploration program.

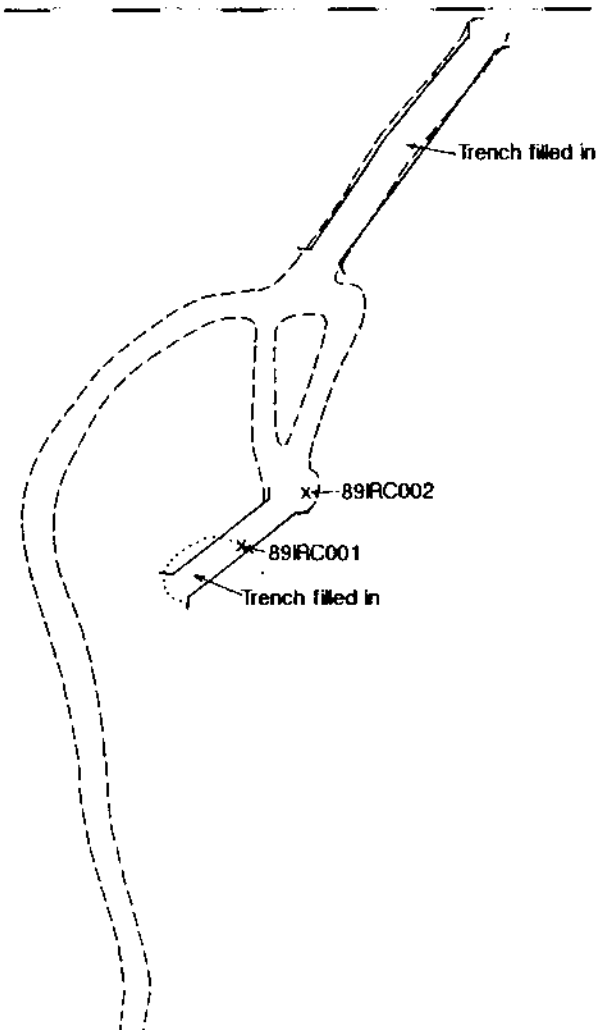
4.0 PROPERTY GEOCHEMISTRY

Limited reconnaissance style geochemical sampling was conducted around the northwestern extension of the Master Vein showing and the geophysical grid area during the 1989 program.. Twenty six rock grab samples were collected during the program (Figures 4, 5, 6).

All of the samples were submitted to Min-En Laboratories Ltd., in Vancouver, B.C., for Au analysis by the Fire Assay

LEGEND

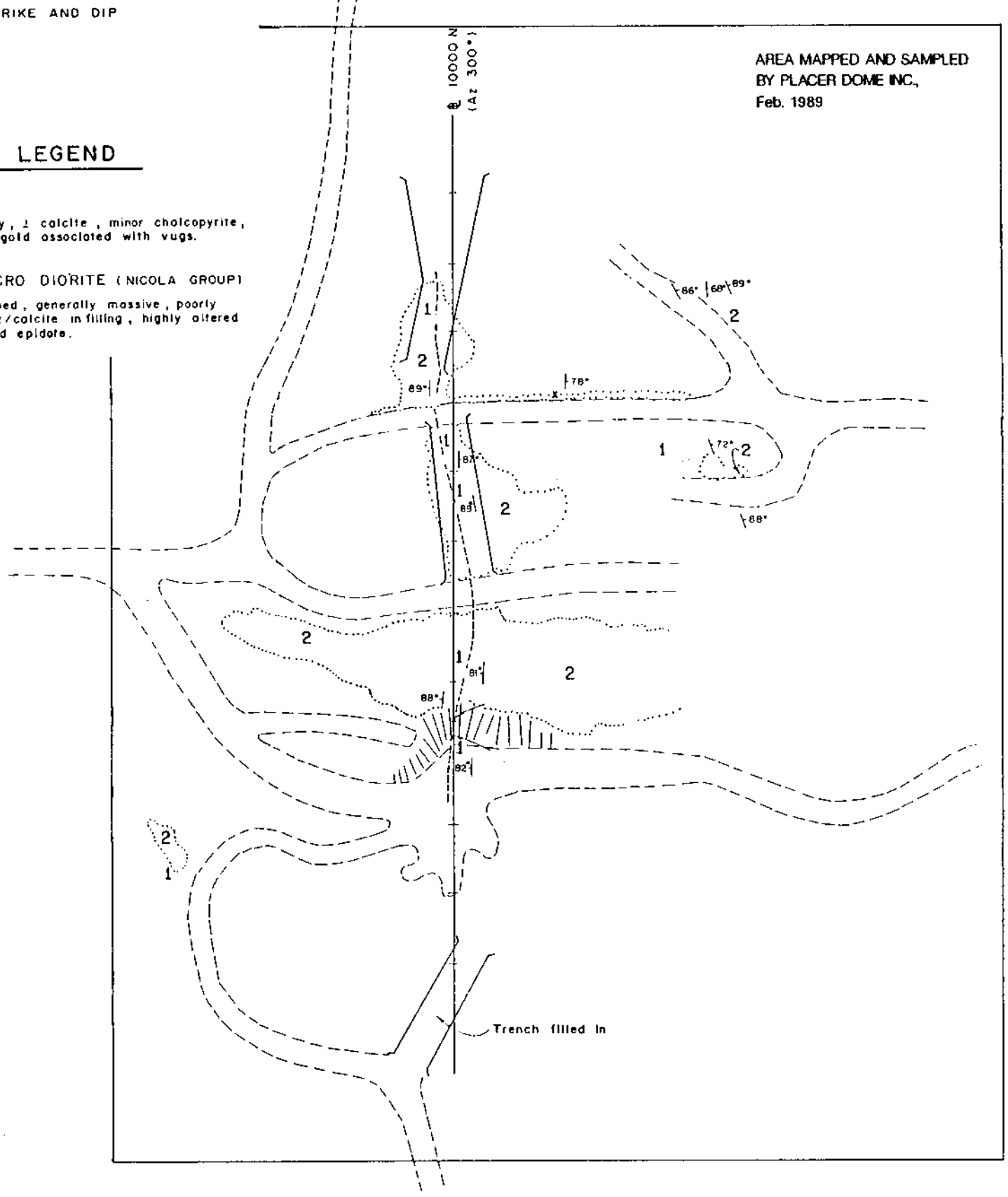
- GRID LINE
- ROAD OR TRAIL
- AXIAL TRACE OF MASTER VEIN
- TRENCH
- OUTCROP BOUNDARY
- SAMPLE LOCATION
- STEEP
- 88° STRIKE AND DIP



GEOLOGICAL LEGEND

1. QUARTZ VEIN
   milky white, vuggy, ± calcite, minor chalcopyrite, bornite, visible gold associated with vugs.

2. ANDESITE – MICRO DIORITE (NICOLA GROUP)
   fine-medium grained, generally massive, poorly fractured with Qtz/calcite infilling, highly altered with chlorite, and epidote.



0 10 20 30 40 50 75 100 metres

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

GEOLOGY and SAMPLE LOCATIONS
'MASTER VEIN' AREA

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: As shown	N.T.S.: 92-1/1,2	FIGURE No: 6
DWN. BY: HV	DATE: May/1989	
CHKD. BY: D. Collins	PROJECT No: 89BC 008	FILE No:

method and Ag, As, Cu, Pb, Zn and Sb analysis by the Induced Coupled Plasma (ICP) method. Analytical procedures are reported in Appendix II and analytical data can be found in Appendix III.

Rock grab sample 89-IRC-003, from the Master Vein area, yielded an highly anomalous gold value of 1.243 oz/ton and a silver value of 14.9 ppm. A float sample of white quartz/calcite vein material in green andesite to the north of the Master Vein yielded an anomalous gold value of 860 ppb.

In the diamond drill hole area, a rock grab sample (89IRC012) from a medium-fine grained andesite with minor quartz/calcite stringers yielded a value of 1890 ppb (0.57 oz/ton) gold. Samples 89IRC008 and 89IRC014 yielded gold values of 885 ppb and 541 ppb, respectively. Anomalous copper values in excess of 1000 ppm are associated with each of the above samples.

Samples from the main bornite showing (Figure 5) included selected sample 89IRC019 of the bornite infilled shear. Values of 126651 ppm (12.6%) copper, 2800 ppb (0.153 oz/ton) gold and 306.0 ppm silver were recorded from this sample. Additional rock grab samples (89IRC022, 023) collected along and above the shear plane also yielded anomalous values.

Relatively low values were recorded from the remaining samples which were collected within the grid area. Sample 89IRC024 was taken at L8+20S/1+75W, 89IRC025 was taken at L8+30S/1+75W and 89IRC026 was taken at L0+10N/11+50W. Sample descriptions are given in Appendix IV.

5.0 PROPERTY GEOPHYSICS

5.1 Introduction

The grid area was surveyed with an EDA Omni-Plus system, which measures both magnetic and VLF-electromagnetic field parameters. A total of 22.3 line-km was surveyed (Figure 7). The resultant data was presented to S.J.V. Consultants Ltd. for plotting and interpretation. Significant anomalies are shown on the Compilation Map (Figure G4).

Magnetometer Survey

The magnetic field parameters measured were total field strength and vertical gradient. Diurnal variations were monitored with an automatic base station magnetometer and removed from the grid data.

VLF-EM Survey

The electromagnetic fields of two VLF-EM stations were measured: Seattle (24.8 kHz) and Cutler (24.0 kHz), with Cutler being regarded as the primary station.

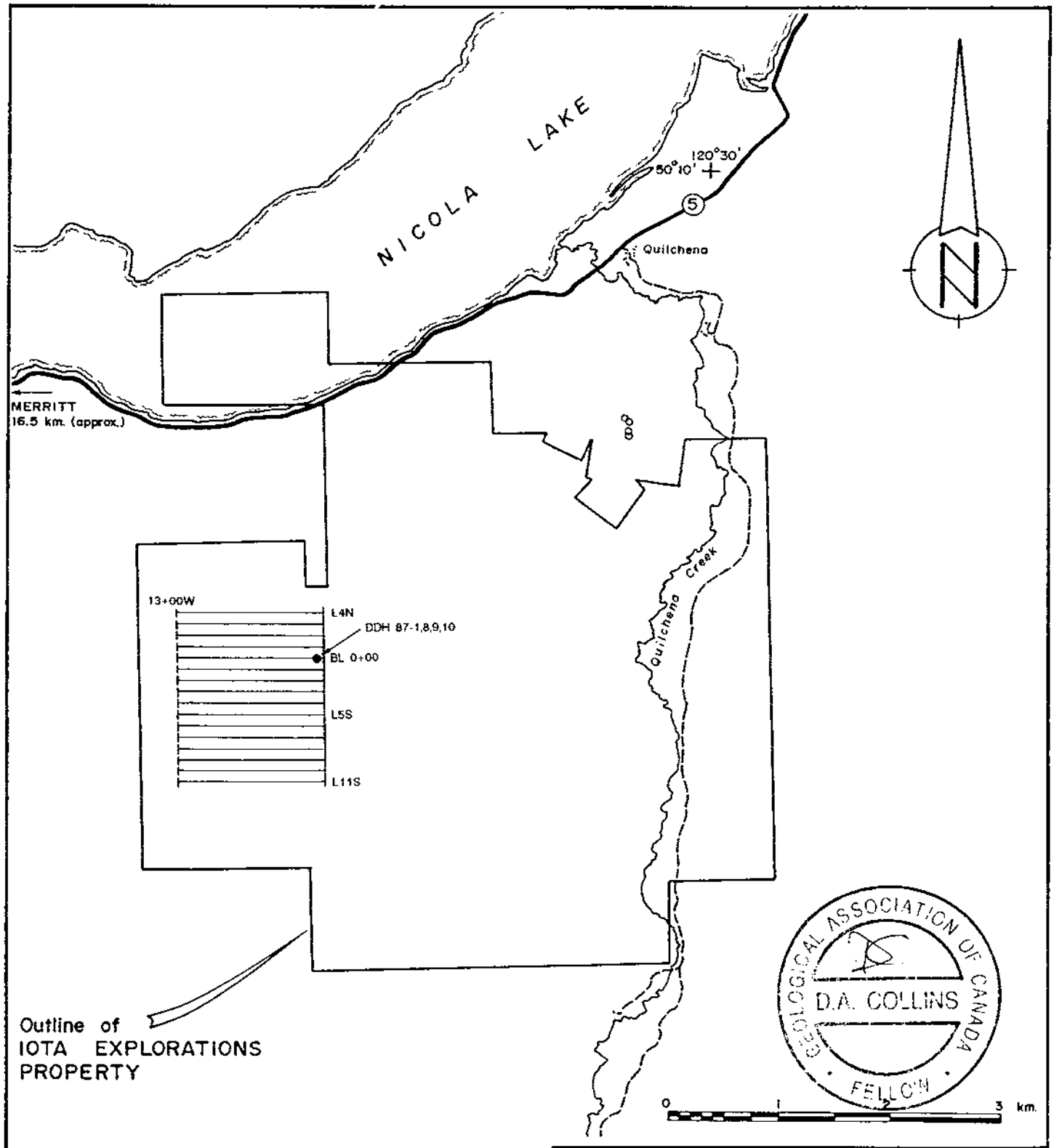
5.2 Discussion of Results

The following is an interpretation by S. Visser, Geophysicist, and is taken from Visser (1989).
"The Magnetic data, VLF-EM data, filtered VLF-EM data (using a standard four point Fraser filter), and compilation of the magnetic and VLF-EM data are presented on the following figures:

G1A Magnetics Profiles.
Total Field and Gradient

G1B Magnetics Contour Map
Total Field

G2A VLF-EM Profiles - SEATTLE
Dip Angle and Quadrature



GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

GRID and DIAMOND DRILL HOLE LOCATIONS

	SCALE: 1 50,000	N.T.S.: 92-1/1,2	FIGURE No.: 7
	DWN. BY:	DATE: May/1989	
M-TEC RESOURCE MANAGEMENT LTD.	CHKD. BY: D. Collins	PROJECT No.: 898C 006	FILE No.:

G2B VLF-EM Profiles - SEATTLE
Filtered Dip Angle and Total Field

G2C VLF-EM Contours - SEATTLE
Fraser Filter of Dip Angle

G3A VLF-EM Profiles - CUTLER
Dip Angle and Quadrature

G3B VLF-EM Profiles - CUTLER
Filtered Dip Angle and Total Field

G4 Magnetics and 2 Freq. VLF-EM Surveys
Compilation Map

INTERPRETATION

The Magnetic data indicates a lithological contact which corresponds closely to a VLF-EM anomaly, striking south from approximately 100W on line 400N to approximately 80W on line 0 and from approximately 200W on line 400S to approximately 300W on line 1000S, as shown on the compilation map (Figure G4). The magnetic anomalies to the east of this contact are likely due to layers, with high magnetite content, in volcanic rocks. A number of weak magnetic anomalies, as shown mainly in the northern part, of the grid may be due to magnetic dykes. Because of the large line spacing (200m with the magnetic data) it is difficult to trace these anomalies from line to line. None of these weak magnetic anomalies appear to correlate with any VLF-EM anomalies and appear to cross them in some locations.

The majority of the north-south striking VLF-EM anomalies in the survey area, as shown on the compilation map (Figure G4) are likely due to slightly conductive faults or contacts between lithologies with a significant resistivity contrast. There are a number of fairly strong short strike length anomalies along the major VLF-EM structures that may be classified as conductors and possible be associated with sulphide mineralization. The approximate location of these short strike length conductors are as follows:

- striking from 580W on line 100S to 570W on line 200S
- striking from 1120W on line 300S to 1075W on line 400S
- at 1130W on line 100N
- At 180W on line 300S and possible extending north to line 200S
- striking from 130W on line 400N to 160W on line 300N

The conductor located at 580W on line 100S also responds to the signal from cutler which is located to the east of the

grid suggesting that the strike of this conductor is at a large angle to the line or that possible a cross-structure at this station is also conductive.

A number of possible cross-structures interpreted from the discontinuities in the VLF-EM anomalies are outlined on the compilation map (Figure G4).

RECOMMENDATIONS

It is recommended to closely correlate the geophysical anomalies to geology and geochemical data to determine if any of the structures located by the VLF-EM survey may be mineralized or favorable to mineralization.

Because of the difficulties in determining dip, conductivity, dept to top, exact location and strike of a conductor from the VLF-EM survey it is recommended to detail the five short strike length VLF-EM conductors, described in the interpretation, using a more sophisticated EM system such as Max-Min 1. It should be kept in mind that the conductors, especially the conductor at 580W on line 100S, may be due to a cross structure or be the strike of the conductor may be at up to a 45 deg. angle to the line, therefore the line spacing should be decreased in this area or the angle of the grid changed. It is also recomended to survey a few lines at right angles to the existing grid lines to better map the cross-structures and to determine if these may be mineralized.

It is recommended to drill these conductors after detailing with the Max-Min 1.

CONCLUSIONS

The magnetic and VLF-EM survey indicates a north south striking contact in the eastern part of the grid with magnetic, probably volcanic, rocks to the east. A number of weak magnetic anomalies in the northern part of the grid may be due to magnetic dykes which appear to cut across some of the VLF-EM anomalies.

The VLF-EM survey indicates a large number of north south striking anomalies probably due to slightly conductive faults or lithological contacts. A number of short strike length conductors within the above structures may be due to massive sulphide mineralization and it is recommended to detail these anomalies with a Max-Min 1 before the recommended drilling commences. "

6.0 CONCLUSIONS

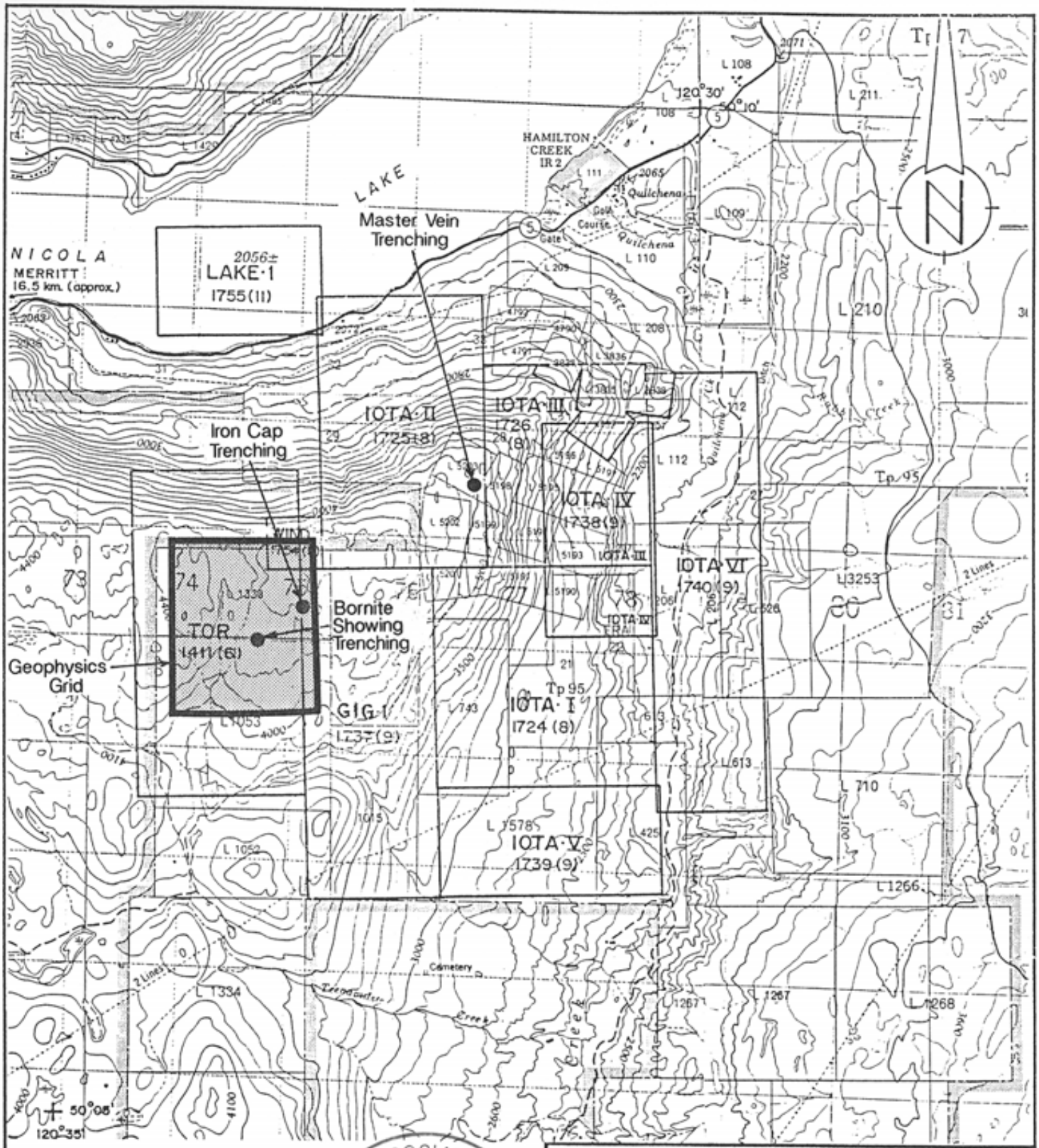
The Iota Explorations Ltd. property is predominantly underlain by green and red andesitic volcanics of the Upper

Triassic Nicola Formation. Numerous north-northeast striking faults transect the property and these may have acted as conduits for mineralizing fluids. Several southeast striking quartz veins (including the Master Vein) are associated with the Quilchena fault in the eastern portion of the property. These have yielded significant anomalous gold values of up to 50 oz/ton. These veins have been exposed in trenches in the area.

A diamond drill hole was completed on the G&G I claim during 1961 and this intersected 46 feet grading 0.11 oz/ton gold and 0.96 oz/ton silver from a quartz-calcite veined and intensely sheared red and green andesitic unit. During January 1987 two diamond drill holes totalling 802 feet were completed in the same area and values of up to 460 ppb gold were recorded.

A massive bornite showing was located on the Tor claim during 1987. This is exposed along a shear plane which is hosted by highly epidotized redish andesite. Malachite staining is also associated with the bornite. Minor trenching was subsequently conducted over the area in 1987. The shear plane pinches and swells over a strike length of approximately 8 meters and varies in thickness from 1 to 20 centimeters. The shear plane appears to have developed along the interface between a medium and a fine grained andesite. The interface between the contrasting lithologies seems to have acted as a preferential site of movement and mineralization deposition.

The geophysical data was collected from lines spaced 100m apart. However, in the interpretation of the data by S. Visser, Geophysicist, only magnetic survey data from every second line (200m apart) was used. This was necessary due to an apparent technical complication with one of the geophysical cables during the survey.



GEOLOGICAL ASSOCIATION OF CANADA
D.A. COLLINS
FELLOW

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA M.D., B.C.

1988 - 1989
AREAS OF WORK

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 50,000	N.T.S.: 92-1/1.2	FIGURE No: 8
	DWN. BY:	DATE: May/1989	
	CHKD. BY: D. Collins	PROJECT No: 898C 006	FILE No:

The geophysical survey has outlined a north-south oriented conductor along the eastern portion of the grid. This probably marks the contact of two andesitic units of different composition. The lithological contrast and any subsequent movement and shearing along the contact may have produced the veining which is exposed in the diamond drill area.

There is a weak cross structure associated with the main bornite showing which should be investigated in more detail. These cross structures may represent zones of shearing which may be a factor in the formation and localization of mineralization.

7.0 RECOMMENDATIONS

As stated in the geophysical report by Visser (1989) it is recommended to detail the five short strike length VLF-EM conductors and to survey a few lines at right angles to the existing grid lines to better map the cross-structures, described in the interpretation, using a more sophisticated EM system such as Max-Min 1 to determine if these may be mineralized. It is recommended to drill these conductors after detailing with the Max-Min 1.

Only limited exploration work has been conducted on the Iota Explorations Ltd. property. No prospecting, mapping or geophysical surveying has been conducted over the vast majority of the claims and consequently the potential for mineralization remains largely untested.

Previous work has concentrated on the main veins in the eastern portion of the property with only minor attention being paid to the remainder of the claim area. The results

to date from trenching of the veins, the discovery of the bornite showing, the presence of geophysical targets provides sufficient encouragement to conduct additional exploration on the claims. Furthermore, the results of the limited 1961 and 1987 drilling and 1988 trenching on the property demonstrates that the potential for the existence of significant mineralization is a distinct possibility and should be tested.

The writers conclude that geological mapping and the additional geophysical survey should be conducted on the claims. Drilling of the significant targets generated by the geophysical survey should then be conducted.

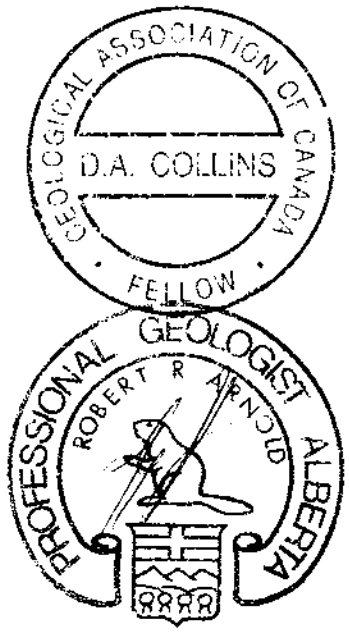
Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD.

Denis A. Collins, Ph.D., P.Geol., F.G.A.C.

Robert R. Arnold, M.Sc., P.Geol., F.G.A.C.

June, 1989



8.0 REFERENCES

Cockfield, W.E., 1948. Geology and Mineral Deposits of Nicola Map area, B.C., Department of Mines and Resources, Memoir 249.

Kelly, S., 1962. Report on a group of claims held by Quilchena Mining & Development Co. near Merritt, B.C.

Kelly, S., 1986. Report on the Iota and G&G mineral claims near Merritt, B.C.

Price, F.L., 1970. Geophysical and Geochemical report, Sunny Boy claims, Quilchena Creek area, Nicola Mining Division, B.C., Ass. rpt. # 2750.

Sanders, K.G., 1974. Geological report on Sunny Boy Property, Located at Merritt, B.C., for Telstar resources Ltd.

Visser, S. 1989. Magnetometer and VLF-EM survey on Iota Explorations Property.

APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, DENIS A. COLLINS, of the District of North Vancouver, Province of British Columbia, hereby certify:

1. THAT I am a geologist employed by Hi-Tec Resource Management Ltd. at 1500-609 Granville Street, Vancouver, British Columbia, Canada, V7Y 1G5.

2. THAT I obtained a Bachelor of Science degree in Geology from University College Cork, Ireland in 1980 and a Ph.D. in Structural Geology from the same university in 1985.

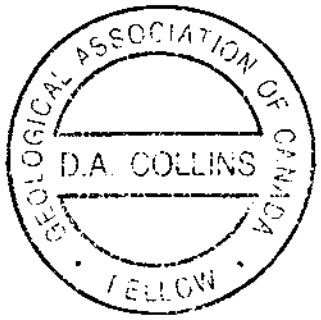
3. THAT I have been practising my profession as a geologist in Ireland, South Africa and Canada since 1980.

4. THAT I am a Fellow, in good standing, with the Geological Association of Canada.

5. THAT I am a registered Professional Geologist, in good standing, with a license to practice with the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.

Dated in Vancouver, British Columbia, this th day of June, 1989.

Denis A. Collins, Ph.D., P. Geol., F.G.A.C.



STATEMENT OF QUALIFICATIONS

I, ROBERT R. ARNOLD, of the District of North Vancouver, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist employed by Hi-Tec Resource Management Ltd. at 1500-609 Granville Street, Vancouver, British Columbia, Canada, V7Y 1G5.

2. THAT I obtained a Bachelor of Science degree in Geology from the University of Geneva, in the City of Geneva, Switzerland, in 1976 and a Master of Science degree in Geological Engineering, from the same university in 1978.

3. THAT I am a Registered Professional Geologist, in good standing, of the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1981.

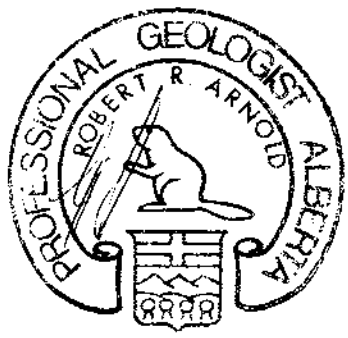
4. THAT I am a Fellow Member of the Geological Association of Canada, in good standing since 1985. That I am a associate member of the Mineralogical Association of Canada and of the Society of Economic Geologists.

5. THAT I have been practising my profession as a geologist in Western Europe, West Africa, Southeast Asia and North America, both permanently since 1978 and seasonally since 1971.

6. THAT I have not received, nor do I expect to receive any interests, direct or indirect, or contingent in the securities or properties of Iota Explorations Ltd. and that I am not an insider of any company having interest in the Mineral Claims which are the subject of this report, or any other claims within a radius of 10 kilometers.

7. THAT I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of a private or public financing.

Dated in North Vancouver, British Columbia, this 29th day of June, 1989.



Robert R. Arnold, M.Sc., P.Geol., FGAC.

APPENDIX II

GEOCHEMICAL PREPARATION AND ANALYTICAL PROCEDURES

PHONE 980-5814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag,Al,As,B,Bi,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Mo,
Na,Ni,P,Pb,Sb,Sr,Th,U,V,Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sedimint samples are screened by 80 mesh sieve to bbtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formated by routing computer dotline print out.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

APPENDIX III

GEOCHEMICAL DATA FOR ROCK SAMPLES

COMPANY: MI-TEC RESOURCE MAN.LTD. MIN-EN LABS ICP REPORT (ACT:F31) PAGE 1 OF 1

PROJECT NO: 89-BC-008 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 9/V/0300/R/J/001

ATTENTION: D.COLLINS/B.ARNOLD (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE: 05-10-1989

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
89IRC001	.5	14	54	29	2	31	860
89IRC002	.5	4	40	34	2	56	3
89IRC003	14.9	8	3689	25	3	12	30000
89IRC004	2.0	78	2043	17	8	21	42
89IRC005	.8	21	28	44	6	56	59
89IRC006	.9	13	25	57	9	95	2
89IRC007	.3	9	32	28	1	60	3
89IRC008	2.4	17	1615	57	12	84	885
89IRC009	.9	18	848	36	6	40	166
89IRC010	.9	11	179	48	5	66	16
89IRC011	.6	19	108	37	3	63	3
89IRC012	1.6	13	1287	28	3	33	1890
89IRC013	.8	19	1183	30	3	35	39
89IRC014	4.0	34	1061	29	6	13	541
89IRC015	.9	16	24	52	6	67	11
89IRC016	.8	18	127	49	6	69	18
89IRC017	.7	17	88	47	6	50	3
89IRC018	.8	20	51	39	3	46	2
89IRC019	306.0	41	126651	203	251	71	2800
89IRC020	1.1	19	298	50	8	83	3
89IRC021	4.8	1	3492	63	12	131	123
89IRC022	12.0	9	6475	54	15	81	562
89IRC023	22.0	15	11211	59	23	83	139
89IRC024	.8	28	41	33	5	52	4
89IRC025	.3	9	56	9	1	16	8
89IRC026	1.2	30	85	53	5	99	3

MIN
• EN
LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
METALLURGISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Assay

9/V/0300/R/A/001

Company: HI-TEC RES. MANAGEMENT LTD.
Project: 89-BC-008
Attn: D.COLLINS/B.ARNOLD

Date: MAY-10-89
Copy 1. HI-TEC RESOURCES, VANCOUVER, B.C.

We hereby certify the following Assay of 3 ROCK ASSAY samples submitted MAY-03-89 by D.COLLINS.

Sample Number	AU G/TONNE	AU OZ/TON
IRC 003	42.60	1.243
IRC 012	1.96	.057
IRC 019	5.24	.153

Certified by _____

MIN-EN LABORATORIES

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

89 IRC 015	Grab sample from outcrop medium grained andesite with minor quartz/calcite stringers.
89 IRC 016	Grab sample from minor shear zone, 15 cm wide in green andesite.
89 IRC 017	Grab sample from 10 cm wide quartz vein in augite andesite/limy andesite.
89 IRC 018	Grab sample from green andesite with minor quartz/calcite stringers.
89 IRC 019	Grab sample from of massive bornite with malachite staining at the main bornite showing.
89 IRC 020	Grab sample from red andesite with minor calcite stringers.
89 IRC 021	7 cm chip sample from a 5 cm wide shear zone, in andesite, with minor malachite staining.
89 IRC 022	Grab sample from alteration zone associated with main shear. Trace malachite staining.
89 IRC 023	Grab sample from red andesite with calcite veinlets 3cm above the main shear plane
89 IRC 024	Grab sample from green andesite with ankerite?.
89 IRC 025	Grab sample from green andesite with ankerite? and quartz.
89 IRC 026	Grab sample from 4cm shear zone in green andesite.

Rock Sample Descriptions

SAMPLE NUMBER	DESCRIPTION
89 IRC 001	Grab sample from float/subcrop of white quartz/calcite vein, in green andesite
89 IRC 002	Grab sample from float/subcrop of green medium grained, strongly epidotized andesite. Contains black material and the sample is dense.
89 IRC 003	Grab sample from white quartz vein material in Master Vein area.
89 IRC 004	Grab sample from outcrop of green andesite. Trace pyrite in quartz/calcite stringers.
89 IRC 005	Grab sample from outcrop. Quartz/calcite vein 20 cm wide.
89 IRC 006	Grab sample taken outcrop overlying the main veining. Green fine/medium grained andesite.
89 IRC 007	Grab sample of green andesite with minor 2mm quartz veinlets. L1N/10+75W.
89 IRC 008	Grab sample taken from 6 cm wide quartz vein in feldspathic andesite.
89 IRC 009	Grab sample taken from 6 cm wide quartz vein in feldspathic andesite.
89 IRC 010	Grab sample from minor quartz vein, 4 cm wide, which has formed at the contact of feldspathic andesite with augite rich andesite.
89 IRC 011	Grab sample from outcrop of green, medium grained andesite (augite rich) at collar positions of boreholes.
89 IRC 012	Grab sample from outcrop medium/fine grained andesite with minor quartz/calcite stringers.
89 IRC 013	Grab sample from outcrop medium/fine grained andesite with minor quartz/calcite stringers.
89 IRC 014	Grab sample from calcite with trace pyrite.

APPENDIX V

ESTIMATED COST OF PROPOSED PROGRAM

IOTA EXPLORATIONS LTD. Phase II budget estimate

PROJECT PREPARATION			$3,025.00
MOBILIZATION/DEMOBILIZATION			
Salaries		$1,000.00	
Travel and additional expenses		$476.00	
			$1,476.00
FIELD SALARIES			
Geologist 30 days @	$400.00 /day		$12,000.00
Prospector/Technician	26 days @ $200.00/day		$5,200.00
DOMICILE			
60 man days	$80.00/man/ day	Hotel	$4,800.00
GEOCHEMISTRY AND LABORATORY SERVICE			
75 Rock samples @	$15.25/sample		$1143.75
150 Core samples @	$17.25/sample		$2,587.50
GEOPHYSICAL SURVEYING			
MaxMin survey 4 days @	$650.00/day		$2,600.00
Geophysical Consulting	1.5 days @ $400.00/day		$600.00
DRILLING			
Mob/Demob Drill, Cat			$2,500.00
Cat 30 hours @	$85.00 /hour		$2,550.00
Diamond Drilling	1500 Feet @ $28.00/foot		$42,000.00
Core Boxes & Lids	60 Boxes/lids @ $6.00/set		$360.00
Core Shack and Splitter	15 days @ $45.00/day		$675.00
Truck Rental & Fuel 30 days @	$125.00/day		$3,750.00
Field Supplies 60 man days @	$30.00/man day		$1,800.00
Computer Rental 30 days @	$20.00 /day		$600.00
Reclamation work			$20,000.00
Government filing			$375.00
Communication/Freight			$250.00
Accounting			$800.00
Report and Drafting			$5,500.00
Project Management	15.00%		$13,776.35
Contingency	10.00%		$11,459.24
	Total		$139,827.94
	Say Total:		**$140,000.00**

APPENDIX VI

VLF-EM DATA

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 26 APR 89
Operator: 5001
Records: 214
Bat: 17.5 Volt   Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 20:16:26

Line 0+00 N Date 26 APR 89 24.0   #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	70.0	0.2	3753.	11.0	9:51:51	58	99	0.0	!	
#2	70.0	0.2	3755.	11.0	9:58:31	56	99	0.0	!	

Line 11+00 S Date 26 APR 89 24.0   #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+50 W	-6.0	1.2	6.73	-3.4	10:00:37	86	59	69.8		
6+25 W	-7.0	-0.2	6.72	-4.0	10:01:42	55	69	60.2		
6+00 W	-7.4	1.6	6.83	-4.2	10:02:16		69	57.9		
5+75 W	-5.4	0.8	6.66	-3.1	10:02:52		69	62.1	-0.1	
5+50 W	-6.6	0.5	6.66	-3.8	10:03:34		69	62.6	-1.3	-0.7
5+25 W	-8.7	-1.4	6.55	-4.9	10:04:06		69	61.6	1.4	0.0
5+00 W	-5.7	0.2	6.47	-3.2	10:04:37		69	62.9	1.2	1.3
4+75 W	-5.2	-1.2	6.51	-2.9	10:05:09		69	60.4	-2.6	-0.7
4+50 W	-3.8	0.6	6.60	-2.2	10:05:39		69	60.2	-3.0	-2.8
4+25 W	-2.6	0.9	7.02	-1.4	10:06:47	56	69	69.9	-2.5	-2.8
4+00 W	-7.6	-1.6	6.90	-4.3	10:07:25	55	49	49.1	0.6	-1.0
3+75 W	-8.4	-1.1	6.80	-4.8	10:08:07		49	61.0	5.5	3.0
3+50 W	-8.9	-0.5	6.75	-5.1	10:08:42	56	69	61.5	4.2	4.8
3+25 W	-12.2	-2.2	6.68	-6.9	10:09:15	55	79	68.9	2.9	3.5
3+00 W	-13.8	-3.3	6.62	-7.8	10:09:46	56	59	63.8	4.8	3.8
2+75 W	-12.1	-1.2	6.72	-6.9	10:10:18		59	63.0	2.7	3.7
2+50 W	-12.3	-1.5	6.92	-7.0	10:10:49	55	59	66.2	-0.8	0.9
2+25 W	-15.2	-2.6	6.94	-8.6	10:11:23		69	58.4	0.9	0.0
2+00 W	-16.9	-5.1	6.71	-9.5	10:11:56	56	64	43.0	4.2	2.5
1+75 W	-18.3	-4.9	6.84	-10.4	10:12:30	55	59	63.3	4.3	4.2
1+50 W	-21.1	-5.6	6.90	-11.9	10:13:02	56	69	67.5	4.2	4.2
1+25 W	-24.2	-5.6	6.81	-13.6	10:13:37		69	73.4	5.6	4.9
1+00 W	-29.5	-5.6	6.56	-16.4	10:14:13	55	44	80.5	7.7	6.6
0+75 W	-19.8	0.7	6.07	-11.2	10:14:49		67	70.0	2.1	4.9
0+50 W	-20.7	1.1	6.27	-11.6	10:15:21	56	79	58.9	-7.2	-2.6
0+25 W	-15.5	3.9	6.04	-8.8	10:16:01	55	64	70.7	-7.2	-7.2
0+00 E	-10.9	5.8	6.56	-6.2	10:16:44		63	39.5	-7.8	-7.5

Line 9+00 S Date 26 APR 89 24.0   #30

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-21.3	-4.9	6.95	-12.0	10:20:29	56	55	62.4		
0+25 W	-20.6	-4.8	7.21	-11.6	10:22:12	55	55	53.3		
0+50 W	-15.9	-3.1	7.49	-9.0	10:23:39	65	57	54.7		
0+75 W	-9.0	-0.4	7.29	-5.1	10:24:29	56	68	58.9	9.5	
1+00 W	-8.8	-0.1	6.98	-5.0	10:25:12		57	60.2	10.5	10.0
1+25 W	-10.9	-3.0	6.89	-6.2	10:25:53	55	35	67.5	2.9	6.7
1+50 W	-12.7	-3.7	6.92	-7.2	10:26:33		55	64.5	-3.3	-0.2
1+75 W	-11.9	-3.8	6.99	-6.8	10:27:09		55	62.8	-2.8	-3.1
2+00 W	-9.5	-1.8	7.09	-5.4	10:27:40	56	27	65.8	1.2	-0.8
2+25 W	-7.8	2.0	6.89	-4.5	10:28:14		57	63.5	4.1	2.6
2+50 W	-5.5	5.2	6.90	-3.1	10:28:49	66	59	65.5	4.6	4.3
2+75 W	-7.6	2.2	6.87	-4.3	10:29:33	55	59	56.8	2.5	3.5
3+00 W	-10.0	1.5	6.75	-5.7	10:30:15		66	57.2	-2.4	0.0

3+25	W	-10.8	2.3	6.82	-6.1	10:30:51	56	56	65.8	-4.4	-3.4
3+50	W	-9.9	3.9	6.81	-5.6	10:31:25		58	60.3	-1.7	-3.1
3+75	W	-10.1	3.2	6.76	-5.8	10:31:59		57	61.6	0.4	-0.7
4+00	W	-9.2	4.1	6.74	-5.2	10:32:38		57	67.7	0.7	0.5
4+25	W	-11.7	1.4	6.78	-6.6	10:33:14		59	55.1	-0.4	0.1
4+50	W	-11.0	2.3	6.84	-6.2	10:33:52		59	55.8	-1.8	-1.1
4+75	W	-10.1	1.1	6.97	-5.7	10:34:50		58	59.0	-0.1	-1.0
5+00	W	-5.2	2.1	6.94	-3.0	10:36:08		59	63.2	4.1	2.0
5+25	W	-3.9	3.6	6.65	-2.2	10:37:07		59	62.3	6.7	5.4
5+50	W	-6.5	3.1	6.50	-3.7	10:38:16	55	59	60.4	2.8	4.7
5+75	W	-7.9	1.6	6.55	-4.5	10:40:19	56	57	62.0	-3.0	-0.1
6+00	W	-9.3	1.1	6.71	-5.3	10:41:00		58	60.1	-3.9	-3.5
6+25	W	-7.1	2.6	6.62	-4.0	10:41:38	55	66	61.7	-1.1	-2.5
6+50	W	-8.8	2.8	6.58	-5.0	10:42:23		58	61.8	0.8	-0.2
6+75	W	-12.1	0.3	6.52	-6.9	10:43:32		65	67.0	-2.6	-0.9
7+00	W	-12.1	1.0	6.77	-6.9	10:44:09	56	56	68.1	-4.8	-3.7
7+25	W	-10.6	0.8	6.73	-6.0	10:44:42		57	65.6	-1.0	-2.9
7+50	W	-9.2	1.0	6.86	-5.2	10:45:18	55	49	66.0	2.6	0.8
7+75	W	-8.3	1.6	6.71	-4.7	10:45:49	56	59	62.8	3.0	2.8
8+00	W	-10.2	-0.3	6.76	-5.8	10:46:29		47	63.4	0.7	1.8
8+25	W	-9.2	0.8	6.84	-5.2	10:47:06	55	47	69.8	-1.1	-0.2
8+50	W	-11.5	-0.4	6.85	-6.5	10:48:05	56	29	67.6	-1.2	-1.2
8+75	W	-11.2	0.5	6.69	-6.4	10:48:54	55	55	75.3	-1.9	-1.6
9+00	W	-13.3	-1.1	6.74	-7.5	10:49:30	56	55	73.8	-2.2	-2.1
9+25	W	-14.4	-2.4	6.77	-8.2	10:50:05	55	55	67.8	-2.8	-2.5
9+50	W	-13.6	-2.9	6.87	-7.7	10:50:52	56	56	69.9	-2.0	-2.4
9+75	W	-11.7	-2.8	6.60	-6.6	10:51:52		65	77.8	1.4	-0.3
10+00	W	-16.3	-8.2	6.52	-9.2	10:53:12	55	54	75.1	0.1	0.7
10+25	W	-20.2	-11.3	6.68	-11.4	10:54:07		54	69.7	-6.3	-3.1
10+50	W	-20.3	-10.7	7.07	-11.4	10:54:57	56	44	66.0	-7.0	-6.7
10+75	W	-12.6	-5.0	6.92	-7.2	10:55:57		56	66.3	2.0	-2.5
11+00	W	-15.1	-6.5	6.86	-8.5	10:56:46	55	55	68.0	7.1	4.5
11+25	W	-16.1	-5.9	6.38	-9.1	10:57:43	56	44	70.3	1.0	4.0
11+50	W	-19.1	-8.8	6.49	-10.8	10:58:38	55	44	70.3	-4.2	-1.6
11+75	W	-24.5	-6.9	6.42	-13.7	10:59:17		43	78.5	-6.9	-5.6
12+00	W	-26.5	-9.9	6.50	-14.8	10:59:58		53	75.8	-8.6	-7.8
12+25	W	-26.2	-8.2	6.59	-14.7	11:00:40		43	69.2	-5.0	-6.8
12+50	W	-24.7	-4.5	6.65	-13.9	11:01:23		44	72.2	-0.1	-2.6
12+75	W	-21.1	-2.1	6.81	-11.9	11:02:15		44	65.5	3.7	1.8
13+00	W	-16.8	1.5	6.91	-9.5	11:03:08		54	78.4	7.2	5.4

Line 11+00 S Date 26 APR 89 24.0 #83

POSITION		I/P	QUAD	T.FLD	TILT	TIME		CULT S	DIR	4-FRA	5-FRA
13+00	W	-11.2	-8.2	6.09	-6.4	11:08:18		68	70.6		
12+75	W	-9.5	-6.5	6.05	-5.4	11:10:26		69	69.5		
12+50	W	-9.5	-7.2	6.06	-5.4	11:13:42		75	70.6		
12+25	W	-8.7	-7.6	6.16	-5.0	11:14:21		69	61.0	-1.4	
12+00	W	-9.8	-7.8	6.34	-5.6	11:15:01		79	65.7	-0.2	-0.8
11+75	W	-13.3	-10.1	6.37	-7.6	11:15:49		49	55.2	2.8	1.3
11+50	W	-12.9	-7.6	6.39	-7.3	11:16:34		59	65.5	4.3	3.5
11+25	W	-14.5	-6.1	6.51	-8.2	11:17:10		69	66.1	2.3	3.3
11+00	W	-16.9	-4.3	6.37	-9.6	11:17:42		65	67.4	2.9	2.6
10+75	W	-23.4	-6.0	6.09	-13.1	11:18:17		69	63.3	7.2	5.0
10+50	W	-25.0	-3.8	6.02	-14.0	11:18:53		69	62.0	9.3	8.2
10+25	W	-26.9	-2.9	5.85	-15.0	11:19:27		69	64.1	6.3	7.8
10+00	W	-29.7	-2.4	6.07	-16.5	11:20:00		66	66.8	4.4	5.3
9+75	W	-27.8	-2.1	6.04	-15.5	11:20:31	56	67	70.6	3.0	3.7
9+50	W	-24.0	-0.9	5.87	-13.5	11:21:03		59	73.1	-2.5	0.2
9+25	W	-19.2	0.0	5.73	-10.8	11:21:36		66	77.3	-7.7	-5.1
9+00	W	-10.9	3.5	5.75	-6.2	11:22:07	55	69	73.8	-12.0	-9.9
8+75	W	-6.0	4.5	6.02	-3.4	11:22:38		77	69.4	-14.7	-13.4
8+50	W	-7.5	2.3	6.21	-4.3	11:23:09		69	67.0	-9.3	-12.0
8+25	W	-11.7	1.3	6.24	-6.6	11:23:43	56	63	68.2	1.3	-4.0
8+00	W	-11.0	2.9	6.27	-6.2	11:24:45	55	43	69.8	5.1	3.2
7+75	W	-7.0	4.3	6.22	-4.0	11:25:28		69	62.1	-0.7	2.2
7+50	W	-4.8	4.8	6.36	-2.7	11:26:02		66	69.3	-6.1	-3.4

7+25 W	-7.1	2.0	6.32	-4.0	11:26:35		77	66.5	-3.5	-4.8
7+00 W	-8.8	1.2	6.21	-5.0	11:27:07		63	65.2	2.3	-0.6
6+75 W	-9.0	1.3	6.27	-5.1	11:27:42		77	65.6	3.4	2.8

Line 7+00 S Date 26 APR 89 24.0 #109

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+75 W	-8.3	1.8	6.17	-4.7	11:58:09	56	59	73.0		
6+50 W	-8.9	2.3	6.17	-5.1	11:59:13	55	69	65.6		
6+25 W	-8.4	3.0	6.01	-4.8	12:00:03	56	64	75.1		
6+00 W	-5.8	4.9	5.99	-3.3	12:00:42	55	63	71.8	-1.7	
5+75 W	-5.5	4.7	6.02	-3.1	12:01:15		56	70.3	-3.5	-2.6
5+50 W	-3.8	5.1	6.32	-2.2	12:01:48		65	73.4	-2.8	-3.2
5+25 W	-6.6	1.5	6.49	-3.7	12:02:20		48	67.4	-0.5	-1.7
5+00 W	-12.3	-1.6	6.51	-7.0	12:02:53	56	59	60.9	5.4	2.4
4+75 W	-14.9	-2.3	6.32	-8.5	12:03:28		66	68.9	9.6	7.5
4+50 W	-17.9	-5.2	6.20	-10.1	12:04:00		69	67.8	7.9	8.7
4+25 W	-21.1	-6.8	5.89	-11.9	12:04:32		54	63.1	6.5	7.2
4+00 W	-15.6	-3.9	5.84	-8.8	12:05:03	55	39	58.4	2.1	4.3
3+75 W	-13.3	-5.0	5.75	-7.5	12:05:37		59	58.1	-5.7	-1.8
3+50 W	-10.9	-3.9	5.48	-6.2	12:06:10		53	72.8	-7.0	-6.4
3+25 W	-3.5	0.1	5.80	-2.0	12:08:54	56	55	66.5	-8.1	-7.6
3+00 W	-8.5	-1.4	6.09	-4.8	12:10:06		57	69.6	-6.9	-7.5
2+75 W	-16.5	-2.1	6.05	-9.3	12:11:08		46	59.0	5.9	-0.5
2+50 W	-14.7	1.3	5.74	-8.3	12:11:47		49	62.1	10.8	8.3
2+25 W	-10.7	3.6	5.64	-6.1	12:12:18	55	57	65.6	0.3	5.5
2+00 W	-8.9	4.4	5.68	-5.1	12:12:52	56	68	69.5	-6.4	-3.1
1+75 W	-10.5	0.6	5.84	-5.9	12:13:28	55	59	50.5	-3.4	-4.9
1+50 W	-11.0	0.8	5.77	-6.3	12:14:38	56	49	66.0	1.0	-1.2
1+25 W	-14.1	1.4	5.55	-8.0	12:15:36	55	56	44.4	3.3	2.1
1+00 W	-8.6	1.9	5.68	-4.9	12:16:10	56	55	64.9	0.7	2.0
0+75 W	-10.1	1.2	5.68	-5.7	12:16:46		69	65.6	-3.7	-1.5
0+50 W	-12.1	-0.3	5.57	-6.9	12:17:34	55	59	62.3	-0.3	-2.0
0+25 W	-8.9	1.3	5.53	-5.1	12:18:50		49	58.5	1.4	0.5
0+00 E	-8.1	-0.2	5.71	-4.6	12:19:25		59	57.9	-2.9	-0.8

Line 5+00 S Date 26 APR 89 24.0 #137

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-14.2	1.9	6.69	-8.1	12:25:06		45	65.5		
0+25 W	-12.2	1.1	6.64	-6.9	12:26:02		54	75.5		
0+50 W	-9.1	1.1	6.49	-5.2	12:26:44		66	66.8		
0+75 W	-10.8	0.5	6.28	-6.1	12:27:36		55	68.4	3.7	
1+00 W	-12.6	-0.4	6.23	-7.2	12:28:14		54	61.6	-1.2	1.2
1+25 W	-12.0	0.4	6.21	-6.8	12:28:54		55	59.2	-2.7	-2.0
1+50 W	-11.2	0.7	6.25	-6.4	12:29:34		55	63.3	0.1	-1.3
1+75 W	-11.4	1.1	6.27	-6.5	12:30:08		65	66.4	1.1	0.6
2+00 W	-14.3	-0.6	6.53	-8.1	12:30:47		52	60.4	-1.4	-0.2
2+25 W	-11.6	0.7	6.53	-6.6	12:31:25		54	62.8	-1.8	-1.6
2+50 W	-10.6	1.9	6.42	-6.0	12:32:03		56	51.3	2.0	0.1
2+75 W	-12.8	0.7	6.32	-7.3	12:32:48		55	67.2	1.4	1.7
3+00 W	-16.3	0.4	6.56	-9.2	12:33:30		54	69.6	-3.9	-1.3
3+25 W	-15.3	0.4	6.61	-8.7	12:34:35	56	45	60.8	-4.6	-4.3
3+50 W	-7.8	4.2	6.48	-4.4	12:35:33	55	57	55.2	3.4	-0.6
3+75 W	-11.6	1.9	6.31	-6.6	12:36:11		55	65.5	6.9	5.1
4+00 W	-9.9	2.1	6.25	-5.6	12:36:51		55	68.2	0.9	3.9
4+25 W	-12.9	1.1	6.56	-7.3	12:37:33		65	65.5	-1.9	-0.5
4+50 W	-10.5	0.2	6.78	-6.0	12:38:11		46	64.7	-1.1	-1.5
4+75 W	-10.0	1.1	6.81	-5.7	12:38:43		54	71.9	1.2	0.0
5+00 W	-12.4	0.1	6.91	-7.0	12:39:14		55	72.1	0.6	0.9
5+25 W	-13.2	0.3	7.16	-7.5	12:39:48		47	62.7	-2.8	-1.1
5+50 W	-10.8	0.6	7.25	-6.1	12:40:21		66	68.8	-0.9	-1.9
5+75 W	-5.1	3.7	7.18	-2.9	12:40:56		49	60.3	5.5	2.3
6+00 W	-6.4	1.6	7.10	-3.6	12:41:30		57	59.7	7.1	6.3
6+25 W	-5.1	0.0	7.34	-2.9	12:42:16		57	68.5	2.5	4.8
6+50 W	-1.0	1.2	6.97	-0.6	12:43:00		59	70.0	3.0	2.7
6+75 W	-6.4	-2.1	7.19	-3.7	12:43:36		57	68.5	2.2	2.6
7+00 W	-5.5	-2.7	7.30	-3.2	12:44:15		67	71.3	-3.4	-0.6

7+25	W	-5.0	-2.4	7.21	-2.8	12:45:15		55	74.1	-1.7	-2.6
7+50	W	-6.1	-3.8	6.73	-3.5	12:47:24		55	76.3	0.6	-0.6
7+75	W	-9.9	-6.5	6.69	-5.6	12:48:12		64	74.2	-3.1	-1.3
8+00	W	-10.6	-6.2	6.83	-6.0	12:48:54		54	69.5	-5.3	-4.2
8+25	W	-13.9	-9.3	6.96	-7.9	12:50:10		55	70.0	-4.8	-5.1
8+50	W	-6.1	-8.5	6.93	-3.5	12:51:08		66	72.4	0.2	-2.3
8+75	W	-6.8	-8.6	7.01	-3.9	12:52:02		57	59.6	6.5	3.3
9+00	W	-6.8	-6.9	7.10	-3.9	12:52:53		46	73.1	3.6	5.0
9+25	W	-2.6	-4.6	7.25	-1.5	12:53:35		39	76.9	2.0	2.8
9+50	W	-11.3	-6.6	6.94	-6.4	12:54:18		46	74.4	-0.1	0.9
9+75	W	-14.5	-7.1	6.68	-8.2	12:55:28		45	67.3	-9.2	-4.7
10+00	W	-11.4	-7.1	6.98	-6.5	12:56:09		66	61.6	-6.8	-8.0
10+25	W	-9.6	-4.5	7.00	-5.5	12:56:51		47	65.0	2.6	-2.1
10+50	W	-10.5	-1.0	7.03	-5.9	13:00:35	56	35	76.3	3.3	2.9
10+75	W	-11.2	-3.0	6.86	-6.4	13:01:28	55	64	62.4	-0.3	1.5
11+00	W	-10.6	-1.5	7.06	-6.0	13:02:38		58	54.3	-1.0	-0.7
11+25	W	-8.6	-2.2	6.91	-4.9	13:04:21		41	62.0	1.4	0.2
11+50	W	-6.9	-1.7	7.20	-3.9	13:05:11		65	72.7	3.6	2.5
11+75	W	-4.8	-2.2	7.37	-2.7	13:05:55		56	57.3	4.3	3.9
12+00	W	-2.2	0.0	7.49	-1.2	13:06:34		46	63.8	4.9	4.6
12+25	W	-3.8	-4.9	7.78	-2.2	13:07:14		69	57.1	3.2	4.0
12+50	W	4.4	-0.2	7.28	2.5	13:08:12		65	40.7	4.2	3.7
12+75	W	3.6	0.6	7.19	2.0	13:09:13		59	55.0	7.9	6.0
13+00	W	3.7	0.2	7.25	2.1	13:10:02	56	57	63.3	3.8	5.8

Line 7+00 S Date 26 APR 89 24.0 #190

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00	W	4.3	-2.1	7.90	2.4	13:20:48		56	57.8		
12+75	W	4.5	-2.0	7.84	2.6	13:21:58	55	67	72.3		
12+50	W	5.8	-1.7	7.90	3.3	13:22:43	56	66	62.9		
12+25	W	2.3	-5.1	7.92	1.3	13:23:27		59	64.1	0.4	
12+00	W	-1.5	-8.0	7.97	-0.8	13:24:31		59	65.1	5.4	2.9
11+75	W	-3.1	-7.5	7.99	-1.8	13:25:12		79	61.4	7.2	6.3
11+50	W	-8.9	-10.2	7.59	-5.0	13:26:11	55	59	65.2	7.3	7.2
11+25	W	-9.3	-6.0	7.72	-5.3	13:26:50	56	69	63.3	7.7	7.5
11+00	W	-9.1	-5.0	7.77	-5.2	13:27:42		65	64.8	3.7	5.7
10+75	W	-10.5	-5.8	7.63	-6.0	13:29:09	55	55	66.5	0.9	2.3
10+50	W	-12.1	-8.4	7.78	-6.9	13:29:46	56	64	69.6	2.4	1.6
10+25	W	-13.1	-7.2	7.76	-7.4	13:30:23		67	73.9	3.1	2.7
10+00	W	-13.1	-7.9	7.59	-7.4	13:31:03	55	59	65.5	1.9	2.5
9+75	W	-11.6	-7.2	7.54	-6.6	13:31:41	56	59	73.4	-0.3	0.8
9+50	W	-8.8	-4.8	7.45	-5.0	13:32:25	55	59	69.7	-3.2	-1.8
9+25	W	-6.1	-5.2	7.55	-3.4	13:33:18	56	54	68.6	-5.6	-4.4
9+00	W	-10.8	-7.9	7.77	-6.2	13:34:37	55	57	70.0	-2.0	-3.8
8+75	W	-14.3	-8.0	7.77	-8.1	13:35:35	56	69	64.1	5.9	1.9
8+50	W	-17.8	-7.4	7.66	-10.1	13:36:15		74	73.8	8.6	7.2
8+25	W	-18.6	-5.2	7.44	-10.5	13:36:52		59	69.6	6.3	7.4
8+00	W	-16.4	-3.3	7.36	-9.3	13:37:27	55	67	80.8	1.6	3.9
7+75	W	-12.8	-1.8	7.23	-7.3	13:38:02	56	59	71.1	-4.0	-1.2
7+50	W	-12.2	-1.1	6.98	-6.9	13:38:35		69	72.8	-5.6	-4.8
7+25	W	-9.5	0.8	7.10	-5.4	13:39:14	55	69	68.8	-4.3	-5.0
7+00	W	-6.9	1.3	7.01	-3.9	13:40:20		59	77.7	-4.9	-4.6

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 26 APR 88
Operator: 5002
Records: 212
Bat: 16.6 Volt   Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 20:26:00

Line 0+00 N Date 26 APR 88 24.0   #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	70.3	0.2	3133.	11.0	9:50:00	56	99	0.0	!	

Line 10+00 S Date 26 APR 88 24.0   #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+50 W	-7.0	0.6	6.50	-4.0	9:53:36	88	59	64.2		
6+25 W	-5.3	2.0	6.40	-3.0	9:56:12	55	66	69.9		
6+00 W	-3.6	3.6	6.43	-2.1	10:01:51		64	67.7		
5+75 W	-2.7	3.0	6.63	-1.6	10:02:38		56	71.7	-3.3	
5+50 W	-5.5	1.0	7.00	-3.1	10:03:24		57	67.8	-0.4	-1.9
5+25 W	-12.7	-1.9	6.73	-7.2	10:04:00		55	64.8	6.6	3.1
5+00 W	-13.6	-1.5	6.66	-7.7	10:04:32		57	67.2	10.2	8.4
4+75 W	-13.9	-0.4	6.45	-7.9	10:05:04		66	70.3	5.3	7.7
4+50 W	-13.5	-1.7	6.48	-7.7	10:05:36		57	70.3	0.7	3.0
4+25 W	-12.0	0.1	6.41	-6.8	10:06:10		66	70.3	-1.1	-0.2
4+00 W	-10.1	0.7	6.60	-5.7	10:06:48		69	75.4	-3.1	-2.1
3+75 W	-8.3	1.2	6.79	-4.7	10:07:23		46	75.6	-4.1	-3.6
3+50 W	-13.0	-0.8	7.01	-7.4	10:08:29		57	67.6	-0.4	-2.3
3+25 W	-9.5	1.6	7.10	-5.4	10:09:06		57	73.1	2.4	1.0
3+00 W	-15.3	-1.9	7.20	-8.7	10:09:40	66	59	71.3	2.0	2.2
2+75 W	-17.1	-3.1	7.22	-9.7	10:10:14	55	58	76.0	5.6	3.8
2+50 W	-12.8	-1.5	6.94	-7.3	10:10:48		46	80.9	2.9	4.2
2+25 W	-8.3	1.0	6.88	-4.7	10:11:24		49	75.0	-6.4	-1.8
2+00 W	-7.6	0.8	7.02	-4.3	10:12:02		36	71.3	-8.0	-7.2
1+75 W	-11.0	-1.6	7.12	-6.2	10:12:33		34	77.5	-1.5	-4.8
1+50 W	-10.9	-1.2	7.00	-6.2	10:13:10		57	72.6	3.4	0.9
1+25 W	-11.9	-0.5	7.04	-6.8	10:13:40		59	71.6	2.5	2.9
1+00 W	-11.0	0.9	7.21	-6.3	10:14:14		49	64.2	0.7	1.6
0+75 W	-16.9	-1.3	7.15	-9.6	10:14:48		59	62.9	2.9	1.8
0+50 W	-20.2	-1.3	6.98	-11.4	10:15:20		66	74.2	7.9	5.4
0+25 W	-27.1	-2.1	6.68	-15.1	10:16:37		59	56.8	10.6	9.2
0+00 E	-22.9	0.0	6.23	-12.9	10:17:13		65	69.5	7.0	8.8

Line 8+00 S Date 26 APR 88 24.0   #29

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-6.8	-3.0	7.35	-3.9	10:23:54		56	71.2		
0+25 W	-4.6	-2.2	7.00	-2.6	10:24:58		56	67.2		
0+50 W	-5.3	-1.8	6.92	-3.0	10:26:08		58	53.6		
0+75 W	-8.6	-3.3	6.91	-4.9	10:27:25		47	68.2	-1.4	
1+00 W	-9.4	-4.1	6.95	-5.4	10:28:03		56	68.8	-4.7	-3.1
1+25 W	-9.7	-2.3	7.19	-5.5	10:28:40		46	67.0	-3.0	-3.9
1+50 W	-5.6	3.2	6.98	-3.2	10:29:14		57	66.5	1.6	-0.7
1+75 W	-5.2	4.9	6.92	-2.9	10:29:44	66	56	64.5	4.8	3.2
2+00 W	-0.7	8.4	7.05	-0.4	10:30:34	55	69	48.9	5.4	5.1
2+25 W	-0.8	8.1	6.62	-0.5	10:31:13		57	58.8	5.2	5.3
2+50 W	-6.0	3.9	6.60	-3.4	10:31:56		46	63.8	-0.6	2.3
2+75 W	-7.3	4.4	6.71	-4.2	10:32:27		48	57.4	-6.7	-3.7
3+00 W	-8.6	5.0	6.72	-4.9	10:32:58		45	63.3	-5.2	-6.0
3+25 W	-9.7	5.0	6.92	-5.5	10:33:32		56	73.0	-2.8	-4.0

3+50	W	-7.1	4.5	7.00	-4.0	10:34:07	56	64.5	-0.4	-1.6
3+75	W	-11.1	1.3	7.11	-6.3	10:34:40	56	68.7	0.1	-0.2
4+00	W	-10.1	0.3	7.38	-5.8	10:36:54	57	67.8	-2.6	-1.3
4+25	W	-2.9	1.1	7.03	-1.6	10:39:55	69	53.7	2.9	0.1
4+50	W	-9.3	-1.4	6.78	-5.3	10:41:16	46	68.5	5.2	4.0
4+75	W	-9.9	-0.6	6.94	-5.6	10:41:51	46	65.0	-3.5	0.8
5+00	W	-10.4	-0.9	7.10	-5.9	10:42:26	57	65.6	-4.6	-4.1
5+25	W	-13.1	-0.7	7.02	-7.5	10:42:57	46	65.3	-2.5	-3.6
5+50	W	-10.7	1.1	7.03	-6.1	10:43:27	54	65.8	-2.1	-2.3
5+75	W	-11.4	0.2	7.09	-6.5	10:43:55	56	65.4	0.8	-0.7
6+00	W	-11.9	-0.2	7.17	-6.7	10:44:24	56	69.5	0.4	0.6
6+25	W	-7.3	2.2	7.22	-4.1	10:44:52	46	69.4	1.8	1.1
6+50	W	-7.7	2.1	7.02	-4.4	10:45:21	67	70.9	4.7	3.2
6+75	W	-7.8	2.5	6.98	-4.4	10:45:48	6	64.3	2.0	3.3
7+00	W	-6.7	2.9	6.95	-3.8	10:46:22	56	68.0	0.3	1.1
7+25	W	-7.5	2.6	6.87	-4.3	10:46:52	46	70.6	0.7	0.5
7+50	W	-9.4	1.0	6.82	-5.3	10:47:20	56	62.5	-1.4	-0.4
7+75	W	-5.6	2.9	6.90	-3.2	10:47:55	56	73.1	-0.4	-0.9
8+00	W	-11.8	-1.8	6.45	-6.7	10:49:22	48	81.0	-0.3	-0.4
8+25	W	-13.1	-2.1	6.60	-7.4	10:50:34	58	86.1	-5.6	-3.0
8+50	W	-15.0	-3.3	6.53	-8.5	10:51:55	55	75.0	-6.0	-5.8
8+75	W	-16.8	-3.9	6.66	-9.5	10:53:07	55	66.3	-3.9	-5.0
9+00	W	-17.9	-5.7	6.92	-10.1	10:54:02	46	71.9	-3.7	-3.8
9+25	W	-17.3	-8.4	7.01	-9.8	10:55:03	54	71.7	-1.9	-2.8
9+50	W	-18.4	-10.8	7.29	-10.4	10:55:47	56	66.3	-0.6	-1.3
9+75	W	-16.7	-9.3	7.46	-9.5	10:56:36	59	75.3	0.0	-0.3
10+00	W	-11.7	-6.3	7.28	-6.7	10:57:49	45	66.3	4.0	2.0
10+25	W	-12.5	-6.6	7.31	-7.1	10:58:45	36	68.4	6.1	5.0
10+50	W	-13.7	-6.5	7.52	-7.8	10:59:24	46	62.9	1.3	3.7
10+75	W	-14.5	-6.3	7.75	-8.2	11:00:00	36	71.9	-2.2	-0.5
11+00	W	-7.5	-1.7	8.01	-4.2	11:00:39	46	65.8	2.5	0.1
11+25	W	-10.4	-4.1	8.12	-5.9	11:02:56	47	77.4	5.9	4.2
11+50	W	-9.1	-1.5	8.62	-5.2	11:04:12	57	72.4	1.3	3.6
11+75	W	-11.6	-2.7	8.63	-6.6	11:05:06	59	73.7	-1.7	-0.2
12+00	W	-15.7	-5.5	8.52	-8.9	11:05:52	49	74.4	-4.4	-3.1
12+25	W	-18.4	-4.7	8.59	-10.4	11:06:41	47	80.4	-7.5	-6.0
12+50	W	-14.8	-0.8	8.83	-8.4	11:07:54	46	76.1	-3.3	-5.4
12+75	W	-15.5	1.2	8.80	-8.8	11:08:37	46	70.7	2.1	-0.6
13+00	W	-31.2	-3.6	8.99	-17.3	11:09:16	54	69.7	-7.3	-2.6

Line 10+00 S Date 26 APR 88 24.0 #82

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00	W	-18.8	-7.0	6.49	-10.6	11:12:43	64	64.8		
12+75	W	-16.2	-6.5	6.20	-9.2	11:13:42	66	70.4		
12+50	W	-15.3	-7.1	6.11	-8.7	11:14:15	54	72.9		
12+25	W	-16.7	-7.7	6.14	-9.4	11:14:46	54	76.0	-1.7	
12+00	W	-16.2	-8.2	6.12	-9.1	11:15:19	34	71.5	0.6	-0.6
11+75	W	-14.2	-7.4	6.06	-8.0	11:15:48	55	75.1	-1.0	-0.2
11+50	W	-9.5	-5.5	6.29	-5.4	11:16:18	55	78.9	-5.1	-3.1
11+25	W	-11.4	-8.1	6.37	-6.5	11:16:50	54	78.1	-5.2	-5.2
11+00	W	-15.2	-9.2	6.45	-8.6	11:17:20	55	71.5	1.7	-1.8
10+75	W	-15.8	-6.3	6.49	-8.9	11:17:53	65	82.1	5.6	3.6
10+50	W	-18.8	-4.4	6.60	-10.6	11:18:24	63	79.4	4.4	5.0
10+25	W	-21.1	-1.9	6.70	-11.9	11:19:00	44	75.9	5.0	4.7
10+00	W	-20.9	-0.9	6.66	-11.8	11:19:32	53	83.7	4.2	4.6
9+75	W	-19.7	0.4	6.54	-11.1	11:20:05	67	85.4	0.4	2.3
9+50	W	-20.2	1.9	6.43	-11.4	11:20:34	65	82.3	-1.2	-0.4
9+25	W	-23.1	1.3	6.43	-13.0	11:21:12	59	80.6	1.5	0.1
9+00	W	-28.1	-1.9	6.30	-15.6	11:21:47	54	85.1	6.1	3.8
8+75	W	-27.1	-3.1	6.17	-15.1	11:22:19	46	85.8	6.3	6.2
8+50	W	-20.4	-1.0	6.00	-11.5	11:22:48	55	86.6	-2.0	2.1
8+25	W	-12.5	0.6	6.14	-7.1	11:23:23	54	86.9	-12.1	-7.1
8+00	W	-8.0	1.5	6.25	-4.6	11:24:09	56	80.8	-14.9	-13.5
7+75	W	-8.6	1.2	6.37	-4.9	11:25:07	59	76.4	-9.1	-12.0
7+50	W	-8.6	0.3	6.25	-4.9	11:25:43	56	79.8	-1.9	-5.5
7+25	W	-6.3	2.6	6.13	-2.8	11:26:22	54	78.4	-0.8	-1.4

7+00	W	-7.1	1.3	6.17	-4.0	11:26:54	56	77.2	-2.0	-1.4
6+75	W	-8.1	0.0	6.07	-4.6	11:27:32	46	81.4	-0.1	-1.1
6+50	W	-12.3	1.0	6.19	-7.0	11:58:54	34	74.8	3.8	1.8

Line 6+00 S Date 26 APR 88 24.0 #109

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+50	W	-13.0	1.2	6.16	-7.4	11:59:15	33	74.5		
6+25	W	-11.9	2.9	6.26	-6.8	12:00:27	44	71.5		
6+00	W	-12.4	2.4	6.35	-7.1	12:01:02	44	72.3		
5+75	W	-14.1	0.7	6.19	-8.0	12:01:36	33	73.6	0.9	
5+50	W	-13.2	1.6	6.19	-7.5	12:02:12	44	71.0	1.6	1.2
5+25	W	-11.0	1.5	6.19	-6.3	12:02:44	44	74.8	-1.3	0.1
5+00	W	-9.5	1.8	6.02	-5.4	12:03:20	44	64.4	-3.8	-2.6
4+75	W	-6.6	3.7	6.08	-3.7	12:04:06	34	68.4	-4.7	-4.3
4+50	W	-8.8	1.7	6.30	-5.0	12:04:45	43	71.8	-3.0	-3.9
4+25	W	-13.6	-0.3	6.25	-7.7	12:06:10	53	73.0	3.6	0.3
4+00	W	-13.4	-0.7	6.17	-7.6	12:06:47	34	74.5	6.6	5.1
3+75	W	-12.3	0.0	6.14	-7.0	12:07:18	34	72.1	1.9	4.2
3+50	W	-14.8	-3.1	6.12	-8.4	12:07:49	44	73.5	0.1	1.0
3+25	W	-13.7	-1.2	5.91	-7.8	12:08:19	33	76.2	1.6	0.8
3+00	W	-10.5	-0.3	5.96	-6.0	12:08:52	34	65.6	-1.6	0.0
2+75	W	-9.6	-0.1	6.02	-5.4	12:09:23	34	76.8	-4.8	-3.2
2+50	W	-15.9	-1.9	6.20	-9.0	12:10:18	55	67.6	0.6	-2.1
2+25	W	-16.4	-1.7	6.04	-9.3	12:10:56	34	75.6	6.9	3.7
2+00	W	-14.4	0.4	5.94	-8.1	12:11:32	44	77.5	3.0	4.9
1+75	W	-12.7	2.1	5.92	-7.2	12:12:09	43	73.1	-3.0	0.0
1+50	W	-12.3	-0.7	6.10	-7.0	12:13:20	55	75.5	-3.2	-3.1
1+25	W	-10.4	1.1	6.15	-5.9	12:14:11	55	81.9	-2.4	-2.8
1+00	W	-11.8	0.1	6.25	-6.7	12:14:47	45	76.5	-1.6	-2.0
0+75	W	-15.4	0.1	6.28	-8.7	12:15:26	53	72.7	2.5	0.4
0+50	W	-20.3	-2.3	5.98	-11.5	12:16:06	44	75.2	7.6	5.0
0+25	W	-19.8	-1.4	5.85	-11.2	12:16:41	54	75.5	7.3	7.4
0+00	E	-18.9	-0.5	5.68	-10.7	12:17:22	54	83.4	1.7	4.5

Line 4+00 S Date 26 APR 88 24.0 #136

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00	E	-4.6	0.0	6.73	-2.6	12:27:15	57	67.7		
0+25	W	-5.8	-0.2	6.56	-3.3	12:29:27	65	59.2		
0+50	W	-8.6	-1.6	6.58	-4.9	12:30:26	56	65.3		
0+75	W	-11.0	-2.5	6.61	-6.2	12:31:06	42	73.8	-5.2	
1+00	W	-6.4	1.5	6.63	-3.7	12:32:09	46	62.3	-1.7	-3.5
1+25	W	-9.4	0.8	6.42	-5.3	12:32:50	55	60.6	2.1	0.2
1+50	W	-8.6	1.2	6.52	-4.9	12:34:01	67	67.4	-0.3	0.9
1+75	W	-10.1	1.6	6.54	-5.7	12:34:35	64	71.3	-1.6	-1.0
2+00	W	-9.7	-0.3	6.92	-5.5	12:35:11	46	54.1	-1.0	-1.3
2+25	W	-6.2	2.1	6.85	-3.5	12:36:09	56	70.6	1.6	0.3
2+50	W	-7.1	1.7	6.90	-4.1	12:36:43	67	77.0	3.6	2.6
2+75	W	-11.5	-0.9	6.90	-6.5	12:37:21	67	73.8	-1.6	1.0
3+00	W	-15.7	-2.3	7.12	-8.9	12:37:55	67	65.8	-7.8	-4.7
3+25	W	-13.4	-1.1	7.21	-7.6	12:38:31	44	79.0	-5.9	-6.9
3+50	W	-11.5	-0.6	7.40	-6.5	12:39:06	55	71.4	1.3	-2.3
3+75	W	-7.9	0.5	7.42	-4.5	12:39:43	56	77.2	5.5	3.4
4+00	W	-8.8	-1.1	7.15	-5.0	12:40:18	56	72.8	4.6	5.0
4+25	W	-8.8	-2.2	7.17	-5.0	12:40:54	56	74.0	1.0	2.8
4+50	W	-8.3	-3.5	7.35	-4.7	12:41:54	65	67.2	-0.2	0.4
4+75	W	1.1	2.1	7.32	0.6	12:42:28	78	69.1	5.9	2.8
5+00	W	-1.5	1.0	6.90	-0.8	12:43:01	66	69.3	9.5	7.7
5+25	W	-3.8	-2.4	6.97	-2.1	12:44:13	67	73.0	1.2	5.3
5+50	W	0.4	-0.8	6.98	0.2	12:45:22	57	72.1	-1.7	-0.3
5+75	W	-0.7	-3.7	7.28	-0.4	12:46:12	67	67.2	2.7	0.5
6+00	W	2.2	-4.9	7.31	1.2	12:46:51	76	66.7	2.7	2.7
6+25	W	9.6	0.0	6.91	5.4	12:47:32	56	70.6	6.8	4.7
6+50	W	1.1	-4.5	6.57	0.6	12:48:10	63	73.4	5.2	6.0
6+75	W	-1.1	-5.0	6.86	-0.6	12:48:44	74	73.4	-6.6	-0.7
7+00	W	-2.0	-4.3	6.95	-1.1	12:49:17	75	65.9	-7.7	-7.2
7+25	W	-1.8	-3.6	6.92	-1.0	12:49:51	76	76.0	-2.1	-4.9

7+50 W	-2.6	-5.5	6.82	-1.5	12:50:45	67	71.7	-0.8	-1.5
7+75 W	-3.2	-7.6	6.72	-1.8	12:52:12	67	70.7	-1.2	-1.0
8+00 W	-4.9	-8.3	6.87	-2.8	12:53:43	57	66.0	-2.1	-1.7
8+25 W	-6.6	-7.9	7.07	-3.8	12:55:29	57	73.1	-3.3	-2.7
8+50 W	-6.1	-7.0	7.23	-3.5	12:57:47	67	71.8	-2.7	-3.0
8+75 W	-9.1	-9.0	7.35	-5.2	12:59:10	66	79.1	-2.1	-2.4
9+00 W	-12.3	-9.2	7.45	-7.0	12:59:50	57	80.1	-4.9	-3.5
9+25 W	-10.4	-9.5	7.60	-5.9	13:00:30	65	79.6	-4.2	-4.6
9+50 W	-8.8	-9.3	7.91	-5.0	13:01:10	77	81.9	1.3	-1.5
9+75 W	-7.2	-8.9	8.39	-4.1	13:01:47	69	75.3	3.8	2.5
10+00 W	-0.1	-4.9	8.29	0.0	13:02:24	68	72.4	6.8	5.3
10+25 W	-3.2	-5.0	8.03	-1.8	13:03:15	68	74.5	7.3	7.0
10+50 W	-4.3	-8.4	8.31	-2.5	13:05:21	65	73.0	-0.2	3.5
11+25 W	-5.0	-1.6	8.44	-2.9	13:07:34	79	76.3	-3.6	-1.9
11+50 W	-4.6	-4.0	7.43	-2.6	13:09:19	69	79.3	-1.2	-2.4
11+75 W	-3.7	-2.3	7.41	-2.1	13:10:11	58	78.1	0.7	-0.3
12+00 W	-10.7	-6.7	7.38	-6.1	13:11:04	59	66.7	-2.7	-1.0
12+25 W	-6.8	-4.2	7.50	-3.9	13:12:32	57	63.0	-5.3	-4.0
12+50 W	-4.2	-3.0	7.32	-2.4	13:13:58	37	66.6	1.9	-1.7
12+75 W	-2.8	-0.2	7.21	-1.6	13:15:07	47	80.7	6.0	3.9
13+00 W	-3.3	-1.6	7.32	-1.9	13:16:17	67	88.3	2.8	4.4

Line 6+00 S Date 26 APR 88 24.0 #187

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	-0.5	-1.8	7.34	-0.3	13:21:51	66	82.7		
12+75 W	0.5	-4.4	7.33	0.3	13:22:58	67	73.9		
12+50 W	0.5	-4.3	7.43	0.2	13:24:14	78	86.3		
12+25 W	0.4	-5.3	7.51	0.2	13:25:32	59	75.0	-0.4	
12+00 W	1.7	-4.3	7.65	1.0	13:26:34	69	78.7	-0.7	-0.6
11+75 W	1.6	-4.0	7.74	0.9	13:27:12	59	64.7	-1.5	-1.1
11+50 W	1.3	-3.9	7.80	0.7	13:27:55	69	72.3	-0.4	-1.0
11+25 W	-1.6	-5.5	7.86	-0.9	13:29:04	58	76.1	2.1	0.8
11+00 W	-5.7	-5.7	7.82	-3.2	13:29:51	66	76.1	5.7	3.9
10+75 W	-7.4	-4.3	7.66	-4.2	13:31:08	56	75.4	7.2	6.4
10+50 W	-8.9	-3.9	7.52	-5.1	13:31:47	55	76.3	5.2	6.2
10+25 W	-7.0	-3.1	7.55	-4.0	13:32:31	65	76.6	1.7	3.4
10+00 W	-10.8	-4.8	7.39	-6.1	13:33:11	64	73.8	0.8	1.2
9+75 W	-12.3	-5.7	7.26	-7.0	13:33:52	45	70.5	4.0	2.4
9+50 W	-15.2	-9.1	7.30	-8.6	13:34:42	56	64.4	5.5	4.7
9+25 W	-14.0	-9.4	7.04	-7.9	13:35:26	55	73.2	3.4	4.4
9+00 W	-15.3	-8.6	7.38	-8.7	13:36:28	66	79.3	1.0	2.2
8+75 W	-15.7	-9.7	7.48	-8.9	13:37:01	44	78.8	1.1	1.0
8+50 W	-11.9	-10.1	7.51	-6.7	13:37:37	53	78.8	-1.0	0.0
8+25 W	-10.7	-9.5	7.50	-6.1	13:38:02	66	82.1	-4.8	-2.9
8+00 W	-11.0	-9.4	7.46	-6.3	13:38:25	66	84.9	-3.2	-4.0
7+75 W	-10.4	-6.6	7.41	-5.9	13:39:01	45	69.0	-0.6	-1.9
7+50 W	-4.4	-3.1	7.34	-2.5	13:39:41	67	83.7	-4.0	-2.3
7+25 W	-2.1	-1.6	7.43	-1.2	13:40:27	56	77.6	-8.5	-6.3
7+00 W	-11.7	-4.4	7.41	-6.6	13:42:20	46	68.5	-0.6	-4.6
6+75 W	-14.0	-3.4	7.01	-7.9	13:42:57	55	74.2	10.8	5.1

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 28 APR 88
Operator: 5002
Records: 156
Bat: 16.9 Volt   Lithium: 3.48 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 15:51:24

Line 0+00 N Date 28 APR 88 24.0   #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.4	0.2	3177.	10.0	9:08:26	99	0.0	!	

Line 2+00 S Date 28 APR 88 24.0   #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00 E	-7.6	-4.2	8.88	-4.3	9:17:21	67	71.7		
0+25 W	-5.3	-1.8	8.76	-3.0	9:19:17	57	62.3		
0+50 W	-5.7	-0.7	8.81	-3.2	9:19:47	58	67.9		
0+75 W	-6.8	-1.3	8.96	-3.8	9:20:19	9	79.8	0.3	
1+00 W	-10.6	-1.5	9.70	-6.0	9:20:49	58	72.9	-3.6	-1.7
2+00 W	4.8	-2.3	8.65	2.7	9:23:10	59	79.7	3.7	0.0
2+25 W	-2.6	-3.9	8.60	-1.4	9:24:01	57	84.1	11.1	7.4
2+50 W	-0.7	-1.6	8.52	-0.4	9:25:18	39	71.1	1.5	6.3
2+75 W	-1.7	-2.9	8.61	-0.9	9:25:55	59	69.3	-2.6	-0.6
3+00 W	0.1	-1.8	8.88	0.0	9:27:03	28	77.1	0.9	-0.9
3+25 W	-1.9	-2.9	9.06	-1.1	9:27:52	69	65.4	0.2	0.5
3+50 W	2.9	1.6	8.85	1.6	9:28:48	59	60.2	1.4	0.8
3+75 W	1.1	0.4	8.62	0.6	9:29:44	49	69.8	3.3	2.3
4+00 W	0.5	1.4	8.76	0.3	9:30:22	59	68.2	0.4	1.8
4+25 W	0.8	0.8	8.87	0.5	9:31:22	58	71.0	-1.4	-0.5
4+50 W	6.7	5.0	8.67	3.8	9:32:01	69	66.4	3.4	1.0
4+75 W	7.4	5.8	8.63	4.2	9:32:40	59	59.1	7.2	5.3
5+00 W	8.4	6.2	8.45	4.8	9:33:50	58	67.3	4.7	5.9
5+25 W	5.1	2.3	8.19	2.9	9:34:25	57	79.7	-0.3	2.2
5+50 W	0.3	-0.9	8.21	0.2	9:34:59	57	79.7	-5.9	-3.1
5+75 W	1.6	-1.8	8.25	0.9	9:35:30	56	79.1	-6.6	-6.3
6+00 W	6.5	-2.8	8.65	3.7	9:36:05	56	74.4	1.5	-2.6
6+25 W	6.1	-3.0	8.31	3.5	9:36:43	56	81.8	6.1	3.8
6+50 W	1.9	-3.9	8.42	1.1	9:37:37	47	81.6	0.0	3.0
6+75 W	-0.9	-3.9	8.27	-0.5	9:38:34	48	75.2	-6.6	-3.3
7+00 W	-2.7	-4.6	8.27	-1.5	9:40:09	58	76.0	-6.6	-6.6
7+25 W	-3.9	-4.4	8.42	-2.2	9:41:04	57	75.5	-4.3	-5.5
7+50 W	-4.5	-4.1	8.25	-2.5	9:41:38	56	76.4	-2.7	-3.5
7+75 W	-4.1	-3.1	8.12	-2.3	9:42:14	46	77.1	-1.1	-1.9
8+00 W	-4.7	-4.7	8.06	-2.6	9:43:15	57	77.8	-0.2	-0.7
8+25 W	-5.7	-6.6	8.07	-3.2	9:44:33	57	72.6	-1.0	-0.6
8+50 W	-5.9	-6.9	8.10	-3.4	9:46:11	69	75.2	-1.7	-1.4
8+75 W	-5.7	-7.3	8.09	-3.2	9:48:10	66	76.8	-0.8	-1.3
9+00 W	-7.3	-7.6	8.20	-4.2	9:49:31	46	72.6	-0.8	-0.8
9+25 W	-9.3	-7.7	8.29	-5.3	9:50:14	47	74.9	-2.9	-1.9
9+50 W	-3.0	-4.4	8.26	-1.7	9:51:02	46	67.3	0.4	-1.3
9+75 W	-5.7	-4.8	8.08	-3.2	9:51:57	53	76.5	4.6	2.5
10+00 W	-5.9	-5.2	8.14	-3.4	9:53:09	56	71.6	0.4	2.5
10+25 W	-6.4	-3.4	8.23	-3.6	9:54:22	47	81.2	-2.1	-0.9
10+50 W	-6.5	-4.5	8.24	-3.7	9:56:05	46	70.2	-0.7	-1.4
10+75 W	-7.8	-4.1	8.13	-4.4	9:56:56	57	70.1	-1.1	-0.9
11+00 W	-9.3	-5.9	8.30	-5.3	9:57:33	45	69.4	-2.4	-1.8
11+25 W	-8.6	-5.3	8.61	-4.9	9:58:33	46	69.6	-2.1	-2.3
11+50 W	-4.6	-4.4	8.75	-2.6	10:00:04	59	55.7	2.2	0.0

11+75 W	-5.5	-3.4	8.82	-3.1	10:00:47	47	74.9	4.5	3.3
12+00 W	-4.4	-2.4	8.96	-2.5	10:01:25	58	72.1	1.9	3.2
12+25 W	-2.9	-0.4	8.74	-1.6	10:02:11	55	73.9	1.6	1.7
12+50 W	-3.6	-0.4	8.62	-2.0	10:03:18	69	68.7	2.0	1.8
12+75 W	-6.0	0.3	8.28	-3.4	10:04:12	56	78.4	-1.3	0.3
13+00 W	-7.7	-1.1	8.24	-4.4	10:04:52	58	87.1	-4.2	-2.8

Line 0+00 N Date 28 APR 88 24.0 #52

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	1.2	4.0	8.47	0.7	10:16:57	44	80.9		
12+75 W	0.6	1.5	8.69	0.3	10:20:43	49	-55.7		
12+50 W	-2.2	0.2	8.68	-1.2	10:21:20	48	-68.2		
12+25 W	-4.7	0.3	8.57	-2.7	10:22:48	56	73.7	4.9	
12+00 W	-2.6	-2.4	8.65	-1.5	10:24:04	35	73.2	3.3	4.1
11+75 W	12.2	2.0	8.74	6.9	10:25:26	8	77.0	-9.3	-3.0
11+50 W	8.0	0.5	8.80	4.5	10:26:12	59	86.6	-15.6	-12.5
11+25 W	3.3	0.4	8.69	1.9	10:26:57	18	67.4	-1.0	-8.3
11+00 W	1.6	0.4	8.76	0.9	10:27:30	35	72.4	8.6	3.8
10+75 W	-0.5	0.1	8.88	-0.2	10:28:10	36	53.0	5.7	7.1
10+50 W	-5.1	-1.8	8.96	-2.9	10:28:47	46	65.1	5.9	5.8
10+25 W	-8.3	-1.5	8.98	-4.7	10:29:26	45	62.7	8.3	7.1
10+00 W	-7.3	-0.9	8.85	-4.1	10:30:24	47	61.6	5.7	7.0
9+75 W	-5.1	-1.2	8.77	-2.9	10:32:08	36	70.3	-0.6	2.5
9+50 W	-3.9	-1.0	8.75	-2.2	10:33:34	57	72.8	-3.7	-2.2
9+25 W	-1.8	-0.9	8.76	-1.0	10:34:07	28	71.6	-3.8	-3.8
9+00 W	1.1	-0.4	8.93	0.6	10:35:07	59	77.5	-4.7	-4.3
8+75 W	1.8	1.0	8.81	1.0	10:36:28	58	72.2	-4.8	-4.8
8+50 W	3.6	1.1	8.76	2.0	10:37:37	68	75.6	-3.4	-4.1
8+25 W	0.4	1.3	8.76	0.2	10:38:16	59	63.9	-0.6	-2.0
8+00 W	-5.7	-3.4	8.56	-3.2	10:39:40	68	66.1	6.0	2.7
7+75 W	-6.9	-3.7	8.48	-3.9	10:40:30	36	73.1	9.3	7.6
7+50 W	-5.8	-2.7	8.63	-3.3	10:41:21	56	80.2	4.2	6.7
7+25 W	-3.2	-2.4	8.34	-1.8	10:41:58	57	84.4	-2.0	1.1
7+00 W	-4.7	-4.8	8.23	-2.7	10:42:41	46	82.9	-2.7	-2.4
6+75 W	-3.4	-5.1	8.20	-1.9	10:43:16	56	78.6	-0.5	-1.6
6+50 W	-4.1	-7.2	8.21	-2.4	10:43:50	56	81.9	-0.2	-0.4
6+25 W	2.5	-4.5	8.21	1.4	10:45:12	57	83.6	-3.6	-1.9
6+00 W	7.0	-4.1	8.47	4.0	10:45:54	56	74.0	-9.7	-6.7
5+75 W	1.9	-4.9	8.70	1.1	10:46:39	46	70.5	-6.1	-7.9
5+50 W	-1.3	-3.9	8.74	-0.7	10:47:27	47	70.6	5.0	-0.6
5+25 W	1.6	-0.4	8.71	0.9	10:48:05	46	70.5	4.9	4.9
5+00 W	0.8	0.1	9.19	0.4	10:48:42	56	74.8	-0.9	2.0
4+75 W	-5.2	-0.4	8.80	-3.0	10:49:27	46	77.6	2.8	0.9
4+50 W	-4.2	0.9	8.67	-2.4	10:50:06	45	75.6	6.7	4.7
4+25 W	-1.5	2.7	8.49	-0.9	10:50:41	45	77.0	0.7	3.7
4+00 W	0.4	2.6	8.44	0.2	10:51:20	56	73.5	-4.7	-2.0
3+75 W	-2.4	-0.8	8.21	-1.3	10:52:00	46	74.0	-2.2	-3.5
3+50 W	-3.7	-1.8	8.00	-2.1	10:53:02	46	74.7	2.7	0.2
3+25 W	-1.2	-0.3	8.22	-0.7	10:53:41	56	71.5	1.7	2.2
3+00 W	-0.3	-1.5	8.49	-0.2	10:54:37	58	69.1	-2.5	-0.4
2+75 W	-1.6	-2.3	8.38	-0.9	10:55:11	57	70.6	-1.7	-2.1
2+50 W	0.2	-0.8	8.45	0.1	10:55:47	37	78.4	-0.1	-0.9
2+25 W	0.8	-0.2	8.65	0.5	10:56:21	57	69.4	-1.7	-0.9
2+00 W	-5.9	-2.5	9.02	-3.3	10:57:37	66	65.1	2.0	0.1
1+75 W	-8.5	-2.1	8.91	-4.9	10:58:21	56	74.7	8.8	5.4
1+50 W	-9.7	-0.5	8.41	-5.5	10:59:07	35	72.0	7.6	8.2
1+25 W	-6.0	1.3	8.67	-3.4	11:00:07	57	65.0	0.7	4.1
1+00 W	-8.6	-1.7	8.68	-4.9	11:01:22	55	69.3	-2.1	-0.7
0+75 W	-6.2	-1.9	8.58	-3.5	11:02:35	66	71.6	-0.5	-1.3
0+50 W	-4.7	-2.5	8.36	-2.7	11:03:18	56	72.0	-2.1	-1.3
0+25 W	-4.5	-2.9	8.18	-2.6	11:04:25	66	74.7	-3.1	-2.6
0+00 E	-0.2	-0.3	8.27	-0.1	11:05:39	68	72.8	-3.5	-3.3

Line 2+00 N Date 28 APR 88 24.0 #105

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA

0+25	W	4.3	1.0	8.77	2.4	12:25:59	56	79.3		
0+50	W	5.3	2.8	8.57	3.0	12:26:35	58	77.6		
0+75	W	5.0	4.5	8.11	2.8	12:27:19	65	80.4	0.5	
1+00	W	1.3	2.9	8.09	0.7	12:28:05	65	77.4	-1.9	-0.7
1+25	W	2.8	3.5	8.45	1.6	12:29:00	56	75.8	-3.5	-2.7
1+50	W	1.3	2.9	8.55	0.7	12:29:33	45	77.9	-1.2	-2.4
1+75	W	0.6	1.9	8.49	0.3	12:30:08	55	75.7	-1.3	-1.3
2+00	W	1.1	2.0	8.47	0.6	12:30:44	46	78.4	-1.4	-1.4
2+25	W	1.8	3.3	8.86	1.0	12:31:14	66	82.7	0.6	-0.4
2+50	W	4.0	4.3	8.81	2.3	12:32:08	56	71.2	2.4	1.5
2+75	W	3.7	3.4	8.42	2.1	12:32:44	56	82.3	2.8	2.6
3+00	W	7.4	5.9	8.26	4.2	12:33:36	65	71.4	3.0	2.9
3+25	W	3.4	4.1	8.06	2.0	12:34:20	45	83.7	1.8	2.4
3+50	W	1.2	2.5	8.14	0.7	12:34:54	56	85.0	-3.6	-0.9
3+75	W	3.1	2.5	8.33	1.8	12:35:30	55	75.9	-3.7	-3.7
4+00	W	2.4	1.4	8.54	1.3	12:37:08	55	74.2	0.4	-1.7
4+25	W	7.0	2.4	8.81	4.0	12:38:26	59	45.2	2.8	1.6
4+50	W	10.4	0.9	8.59	5.9	12:39:31	57	66.4	6.8	4.8
4+75	W	10.1	0.2	7.82	5.7	12:40:36	55	76.3	6.3	6.5
5+00	W	4.1	-3.2	8.02	2.3	12:41:20	55	76.5	-1.9	2.2
5+25	W	1.9	-4.7	8.48	1.0	12:42:24	56	71.3	-8.3	-5.1
5+50	W	4.2	-0.3	8.53	2.4	12:43:01	46	78.1	-4.6	-6.5
5+75	W	3.0	1.6	8.39	1.7	12:43:37	56	76.0	0.8	-1.9
6+00	W	-0.3	0.0	8.18	-0.1	12:44:12	45	78.2	-1.8	-0.5
6+25	W	-4.4	-1.3	8.47	-2.5	12:46:44	66	74.6	-6.7	-4.3

Line 4+00 N Date 28 APR 88 24.0 #131

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+25	W	-0.3	-0.2	8.86	-0.1	12:49:47	47	69.5		
6+00	W	1.3	1.5	8.85	0.7	12:50:40	68	72.5		
5+75	W	-0.6	-0.7	9.05	-0.3	12:51:13	68	72.2		
5+50	W	1.5	0.0	9.17	0.8	12:51:48	68	74.8	0.1	
5+25	W	-1.5	-2.1	9.23	-0.9	12:52:48	66	82.6	0.5	0.3
5+00	W	-5.0	-3.7	9.29	-2.8	12:54:02	79	79.9	4.2	2.3
4+75	W	-2.2	-1.6	9.58	-1.2	12:54:51	56	79.8	3.9	4.0
4+50	W	2.7	-3.4	9.31	1.5	12:55:43	56	77.5	-4.0	-0.1
4+25	W	-0.4	-5.0	9.52	-0.2	12:56:26	57	85.4	-5.3	-4.7
4+00	W	-2.4	-5.5	9.62	-1.4	12:57:30	56	78.7	1.9	-1.7
3+75	W	-3.0	-8.0	9.84	-1.7	12:58:13	56	77.7	4.4	3.1
3+50	W	-3.3	-7.7	10.17	-1.9	12:58:47	67	77.4	2.0	3.2
3+25	W	-6.1	-7.9	10.15	-3.5	12:59:19	59	58.5	2.3	2.1
3+00	W	-7.9	-6.4	10.04	-4.5	13:00:00	55	78.0	4.4	3.3
2+75	W	-10.2	-5.7	9.64	-5.8	13:00:38	57	82.2	4.9	4.6
2+50	W	-10.1	-3.9	9.34	-5.8	13:01:13	56	85.9	3.6	4.2
2+25	W	-7.4	-2.7	9.43	-4.2	13:01:45	57	89.4	-0.3	1.6
2+00	W	-3.6	0.3	9.20	-2.1	13:02:20	49	89.2	-5.3	-2.8
1+75	W	1.1	3.2	9.53	0.6	13:03:10	57	-87.2	-8.5	-6.9
1+50	W	4.5	4.5	9.63	2.5	13:03:54	56	85.3	-9.4	-9.0
1+25	W	-3.8	-0.9	9.62	-2.2	13:04:58	35	71.3	-1.8	-5.6
1+00	W	-4.0	2.6	9.30	-2.3	13:06:08	59	77.4	7.6	2.9
0+75	W	-10.3	-3.2	9.18	-5.8	13:06:50	59	73.3	8.4	8.0
0+50	W	-8.7	-3.1	8.91	-5.0	13:07:40	49	65.1	6.3	7.3
0+25	W	-6.7	-3.1	8.83	-3.8	13:08:24	47	87.2	0.7	3.5
0+00	E	-2.6	-4.3	8.69	-1.5	13:09:07	36	68.8	-5.5	-2.4

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 28 APR 89
Operator: 5001
Records: 158
Bat: 17.8 Volt   Lithium: 3.46 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 16:00:26

Line 0+00 N Date 28 APR 89 24.0   #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	70.2	0.2	3770.	10.0	9:08:26		99	0.0	!	

Line 3+00 S Date 28 APR 89 24.0   #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-4.2	-1.4	8.64	-2.4	9:17:57	55	58	63.2		
0+25 W	-1.8	0.1	8.48	-1.0	9:18:50		58	71.1		
0+50 W	-4.5	-0.3	8.20	-2.5	9:19:30		64	73.6		
0+75 W	-7.7	0.4	8.20	-4.4	9:20:05		57	70.1	-3.5	
1+00 W	-8.5	2.5	7.97	-4.9	9:20:42	56	46	73.7	-5.8	-4.7
1+25 W	-10.9	1.5	8.08	-6.2	9:21:33		47	65.4	-4.2	-5.0
1+50 W	-12.8	1.5	8.07	-7.3	9:22:14	86	57	58.7	-4.2	-4.2
1+75 W	-17.5	-1.2	8.37	-9.9	9:23:02	55	46	53.4	-6.1	-5.2
2+00 W	-5.6	2.9	8.83	-3.2	9:25:45	56	69	67.8	0.4	-2.9
2+25 W	-6.5	-0.3	8.93	-3.7	9:26:36	55	69	55.4	10.3	5.3
2+50 W	-2.5	0.7	9.24	-1.4	9:27:15		29	66.3	8.0	9.1
2+75 W	1.2	3.3	8.77	0.7	9:27:50	56	49	64.8	6.2	7.1
3+00 W	-2.5	0.7	8.59	-1.4	9:28:31		49	61.6	4.4	5.3
3+25 W	-3.2	-0.5	8.62	-1.8	9:29:03		57	70.7	-2.5	0.9
3+50 W	-4.7	-2.7	8.73	-2.7	9:29:35	55	57	60.8	-3.8	-3.2
3+75 W	-3.6	-1.1	9.13	-2.1	9:30:09		39	61.3	-1.6	-2.7
4+00 W	2.4	0.6	9.01	1.4	9:30:40		49	66.2	3.8	1.1
4+25 W	2.8	0.5	8.56	1.6	9:31:12		59	60.8	7.8	5.8
4+50 W	-0.3	-0.4	8.68	-0.2	9:31:50		49	67.2	2.1	4.9
4+75 W	1.1	1.1	8.76	0.6	9:32:18	56	49	64.4	-2.6	-0.3
5+00 W	0.5	1.0	8.71	0.2	9:32:47	55	69	67.5	-0.6	-1.6
5+25 W	2.7	2.6	8.62	1.5	9:33:41		48	66.6	1.3	0.3
5+50 W	2.7	1.7	8.49	1.5	9:34:24		56	75.5	2.2	1.7
5+75 W	-0.6	1.0	8.38	-0.3	9:35:04		58	76.2	-0.5	0.8
6+00 W	1.8	0.0	8.46	1.0	9:36:03		65	77.8	-2.3	-1.4
6+25 W	3.7	-0.2	8.48	2.1	9:40:01	55	66	76.2	1.9	-0.2
6+50 W	4.3	-2.5	8.24	2.4	9:42:59		67	80.2	3.8	2.8
6+75 W	1.5	-3.3	8.28	0.8	9:43:31		59	78.4	0.1	1.9
7+00 W	-1.1	-4.8	8.23	-0.6	9:44:04	56	67	80.7	-4.3	-2.1
7+25 W	-2.5	-3.6	8.28	-1.4	9:44:36		57	76.7	-5.2	-4.8
7+50 W	-2.1	-3.8	8.13	-1.2	9:45:06		67	78.9	-2.8	-4.0
7+75 W	-2.3	-4.1	8.18	-1.3	9:45:48	55	55	77.3	-0.5	-1.7
8+00 W	-1.4	-4.0	8.27	-0.8	9:46:28	56	56	72.1	0.5	0.0
8+25 W	-4.1	-5.6	8.27	-2.3	9:47:20		49	68.8	-0.6	-0.1
8+50 W	0.2	-5.0	8.32	0.1	9:48:17	55	58	73.0	-0.1	-0.4
8+75 W	0.4	-3.8	8.31	0.2	9:49:44	56	67	77.2	3.4	1.6
9+00 W	-4.8	-7.4	8.62	-2.7	9:50:37	55	46	80.3	-0.3	1.5
9+25 W	-6.8	-7.9	8.57	-3.9	9:51:39		59	59.3	-6.9	-3.6
9+50 W	-5.5	-8.6	8.54	-3.1	9:52:28		57	73.2	-4.5	-5.7
9+75 W	-6.5	-8.8	8.58	-3.7	9:53:16		49	61.9	-0.2	-2.4
10+00 W	-4.7	-9.0	9.22	-2.7	9:54:13		69	69.7	0.6	0.2
10+25 W	-2.9	-9.5	8.79	-1.6	9:55:02		69	52.8	2.5	1.5
10+50 W	-6.3	-10.0	8.55	-3.6	9:55:58		66	75.0	1.2	1.8
10+75 W	-4.5	-10.6	8.79	-2.6	9:56:52	56	67	80.9	-1.9	-0.4

11+00 W	-5.2	-10.6	8.63	-3.0	9:57:33	55	66	80.9	-0.4	-1.2
11+25 W	-6.7	-10.6	8.55	-3.8	9:58:12		56	75.7	-0.6	-0.5
11+50 W	-2.2	-8.0	8.22	-1.3	9:58:50	56	66	76.0	0.5	-0.1
11+75 W	-1.9	-5.6	8.25	-1.1	9:59:29		67	76.4	4.4	2.4
12+00 W	-3.3	-5.4	8.05	-1.9	10:00:03	55	46	84.1	2.1	3.2
12+25 W	-4.0	-3.7	8.11	-2.3	10:00:42		57	78.1	-1.8	0.1
12+50 W	-0.7	-0.5	8.19	-0.4	10:01:56	56	57	84.0	0.3	-0.8
12+75 W	-2.6	0.0	7.83	-1.5	10:02:52	55	59	64.3	2.3	1.3
13+00 W	-5.6	-0.7	7.99	-3.2	10:03:39		69	57.6	-2.0	0.1

Line 1+00 S Date 28 APR 89 24.0 #55

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00 W	-9.7	-3.2	8.72	-5.5	10:09:21	56	39	89.0		
12+75 W	-11.5	-1.3	8.79	-6.5	10:10:18	55	66	85.0		
12+50 W	-4.8	0.2	8.82	-2.7	10:12:35	56	58	63.4		
12+25 W	-0.9	1.1	8.74	-0.5	10:13:35		46	76.8	-8.8	
12+00 W	2.0	2.7	8.75	1.1	10:14:17		67	83.9	-9.8	-9.3
11+75 W	-1.2	0.6	8.70	-0.7	10:15:20		79	69.4	-3.6	-6.7
11+50 W	1.5	1.0	8.69	0.8	10:16:16	55	49	86.4	0.5	-1.6
11+25 W	0.4	-0.2	8.84	0.2	10:17:12		69	69.0	-0.6	-0.1
11+00 W	-0.5	-1.1	9.03	-0.3	10:18:24		69	73.9	0.2	-0.2
10+75 W	-4.0	-1.3	9.50	-2.3	10:22:05		66	84.0	3.6	1.9
10+50 W	-10.5	-3.6	9.54	-6.0	10:24:04		47	76.8	8.2	5.9
10+25 W	-12.9	-3.8	9.42	-7.3	10:25:35		77	83.6	10.7	9.4
10+00 W	-4.6	-1.1	9.22	-2.6	10:26:27	56	67	83.1	1.6	6.1
9+75 W	-1.0	-0.1	9.11	-0.6	10:27:06	55	69	72.3	-10.1	-4.3
9+50 W	-8.2	-4.1	9.06	-4.7	10:28:09		67	81.4	-4.6	-7.4
9+25 W	-10.2	-5.4	8.67	-5.8	10:29:04		67	79.3	7.3	1.3
9+00 W	-8.3	-4.6	8.68	-4.7	10:30:08	56	69	75.5	5.2	6.2
8+75 W	-7.6	-5.5	8.51	-4.3	10:30:47	55	69	68.9	-1.5	1.8
8+50 W	-5.3	-4.0	8.58	-3.0	10:31:40		59	80.7	-3.2	-2.4
8+25 W	-4.8	-3.5	8.51	-2.7	10:32:43		58	76.2	-3.3	-3.3
8+00 W	-6.9	-4.4	8.52	-3.9	10:33:40	56	59	69.6	-0.7	-2.0
7+75 W	-3.5	-0.4	8.59	-2.0	10:35:39	55	69	72.8	0.2	-0.3
7+50 W	-4.6	-1.0	8.87	-2.6	10:36:48		59	80.2	-2.0	-0.9
7+25 W	-7.4	-4.9	8.62	-4.2	10:37:48	56	68	74.9	0.9	-0.6
7+00 W	-4.0	-2.5	8.44	-2.3	10:38:25	55	69	70.4	1.9	1.4
6+75 W	-3.0	-3.3	8.31	-1.7	10:39:22		55	82.0	-2.8	-0.5
6+50 W	-2.0	-5.9	8.27	-1.1	10:40:08	56	59	80.7	-3.7	-3.3
6+25 W	1.7	-4.9	8.16	1.0	10:41:19	55	67	75.2	-3.9	-3.8
6+00 W	7.3	-3.6	8.25	4.1	10:42:05	56	67	66.5	-7.9	-5.9
5+75 W	15.2	0.3	8.44	8.6	10:44:56	55	66	60.6	-12.8	-10.4
5+50 W	-9.6	-5.8	8.46	-5.5	10:49:37		56	68.5	2.0	-5.4
5+25 W	-5.3	-2.6	8.01	-3.0	10:50:21		69	67.6	21.2	11.6
5+00 W	1.9	3.9	8.06	1.1	10:51:25	56	67	67.8	5.0	13.1
4+75 W	2.5	4.5	7.78	1.4	10:52:54		67	78.9	-11.0	-3.0
4+50 W	9.0	8.0	8.15	5.1	10:53:47	55	66	77.7	-8.4	-9.7
4+25 W	7.1	6.3	8.44	4.0	10:54:48		67	72.0	-6.6	-7.5
4+00 W	6.1	5.5	8.60	3.5	10:55:44		67	68.9	-1.0	-3.8
3+75 W	2.0	3.7	8.76	1.1	10:56:41	56	59	72.3	4.5	1.7
3+50 W	-6.4	-0.6	8.60	-3.6	10:57:39	55	59	19.4	10.0	7.2
3+25 W	-7.1	-5.1	8.58	-4.0	10:59:10		69	54.6	12.2	11.1
3+00 W	-6.4	-4.8	8.56	-3.7	11:00:27	56	77	74.0	5.2	8.7
2+75 W	-0.6	-1.5	8.74	-0.3	11:01:09	55	67	83.7	-3.6	0.8
2+50 W	-1.6	-3.3	8.66	-0.9	11:01:46		68	72.6	-6.5	-5.1
2+25 W	-4.3	-4.7	8.53	-2.4	11:02:35		69	72.7	-0.7	-3.6
2+00 W	-5.4	-4.4	8.17	-3.1	11:03:20		69	64.9	4.3	1.8
1+75 W	-5.1	-4.6	7.91	-2.9	11:04:18		69	66.7	2.7	3.5
1+50 W	-3.3	-3.0	7.98	-1.9	11:04:58		68	70.2	-0.7	1.0
1+25 W	2.5	-0.8	7.95	1.4	11:05:40		67	68.7	-5.5	-3.1
1+00 W	4.5	0.2	8.54	2.6	11:06:30	56	66	72.7	-8.8	-7.2
0+75 W	-7.8	-4.6	8.63	-4.4	11:07:15	55	69	67.5	1.3	-3.8
0+50 W	-10.8	-6.0	8.48	-6.2	11:07:58	56	59	66.2	14.6	7.9
0+25 W	-11.8	-6.4	8.49	-6.7	11:08:46	55	69	61.8	11.1	12.8
0+00 E	-5.1	-4.4	8.51	-2.9	11:10:14	56	59	71.8	-1.0	5.0

Line 1+00 N Date 28 APR 89 24.0 #108

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-7.0	-2.5	8.86	-4.0	12:23:23		58	59.7		
0+25 W	3.8	3.4	9.20	2.1	12:24:28		59	68.6		
0+50 W	1.0	0.3	8.75	0.6	12:25:14		55	77.6		
0+75 W	2.6	1.1	8.79	1.5	12:25:54	55	55	86.4	4.0	
1+00 W	1.8	3.9	8.77	1.0	12:26:48	66	59	71.7	-0.2	1.9
1+25 W	-3.9	0.0	8.88	-2.2	12:27:31	56	69	58.6	-3.3	-1.8
1+50 W	0.6	3.2	8.71	0.3	12:28:20		57	69.9	-4.4	-3.9
1+75 W	0.8	2.1	8.65	0.5	12:29:02	55	49	62.6	2.0	-1.2
2+00 W	-1.8	0.2	8.44	-1.0	12:30:24		47	78.5	1.4	1.7
2+25 W	-2.6	-0.7	8.41	-1.5	12:31:16		47	69.6	-3.3	-1.0
2+50 W	-7.6	-2.1	8.34	-4.3	12:31:55	56	47	71.2	-5.3	-4.3
2+75 W	-11.4	-5.2	8.66	-6.5	12:32:32		49	62.2	-8.3	-6.8
3+00 W	-11.2	-5.5	9.27	-6.4	12:33:10		56	69.9	-7.1	-7.7
3+25 W	-2.7	-1.7	9.75	-1.5	12:33:51		49	68.3	2.9	-2.1
3+50 W	6.0	2.7	9.57	3.4	12:34:31		49	58.3	14.8	8.8
3+75 W	6.1	2.9	8.83	3.5	12:35:06	55	49	65.1	14.8	14.8
4+00 W	2.1	0.8	8.59	1.2	12:35:48	56	39	70.0	2.8	8.8
4+25 W	1.1	0.1	8.64	0.6	12:36:23		59	65.5	-5.1	-1.2
4+50 W	3.1	0.4	8.79	1.8	12:37:18	55	49	62.6	-2.3	-3.7
4+75 W	2.5	-1.7	8.86	1.4	12:37:58		39	62.9	1.4	-0.5
5+00 W	9.3	-0.1	8.88	5.3	12:39:46	56	49	60.0	4.3	2.8
5+25 W	6.4	-4.2	8.24	3.7	12:42:02	55	59	71.2	5.8	5.0
5+50 W	-3.2	-7.3	8.31	-1.8	12:43:27		59	66.1	-4.8	0.5
5+75 W	-5.3	-5.7	8.53	-3.0	12:44:08		49	61.4	-13.8	-9.3
6+00 W	0.4	-0.2	8.44	0.2	12:44:41	56	49	64.9	-4.7	-9.3
6+25 W	-0.8	-1.8	8.21	-0.4	12:45:19	55	58	62.8	4.6	-0.1

Line 3+00 N Date 28 APR 89 24.0 #134

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+00 W	-1.0	-2.5	8.91	-0.6	12:48:37	56	49	72.1		
5+75 W	-2.5	-4.0	8.82	-1.4	12:49:57	55	55	72.4		
5+50 W	-2.0	-4.2	8.63	-1.1	12:50:33	56	49	64.4		
5+25 W	-1.8	-3.9	8.60	-1.0	12:51:16		49	62.0	0.1	
5+00 W	0.7	-3.2	8.58	0.4	12:51:56	55	49	65.7	-1.9	-0.9
4+75 W	0.0	-1.5	8.32	0.0	12:52:45	56	59	68.2	-2.5	-2.2
4+50 W	-3.1	-3.2	8.72	-1.7	12:53:23	55	59	67.3	1.1	-0.7
4+25 W	-4.5	-3.9	8.46	-2.6	12:55:34		59	64.7	4.7	2.9
4+00 W	-3.2	0.2	8.34	-1.8	12:56:25	56	78	65.0	2.7	3.7
3+75 W	-7.3	-1.8	8.64	-4.1	12:57:36	55	49	73.4	1.6	2.1
3+50 W	-7.2	-0.2	8.46	-4.1	12:58:24	56	59	82.0	3.8	2.7
3+25 W	-8.2	-1.2	8.54	-4.7	12:59:05		59	74.3	2.9	3.3
3+00 W	-9.3	-0.9	8.31	-5.3	12:59:36	55	59	74.0	1.8	2.3
2+75 W	-7.8	0.7	8.15	-4.4	13:00:08		49	73.8	0.9	1.3
2+50 W	-5.7	1.8	8.14	-3.2	13:00:40	56	48	78.2	-2.4	-0.8
2+25 W	-2.6	2.8	8.21	-1.5	13:01:18	55	49	78.2	-5.0	-3.7
2+00 W	-0.7	4.8	8.37	-0.4	13:01:52		56	79.9	-5.7	-5.4
1+75 W	-2.2	2.7	8.63	-1.2	13:02:21		59	72.5	-3.1	-4.4
1+50 W	-7.7	-1.1	8.47	-4.4	13:02:53		68	77.9	3.7	0.3
1+25 W	-10.1	-2.7	8.07	-5.7	13:03:38	56	66	76.7	8.5	6.1
1+00 W	-12.3	-2.9	8.27	-7.0	13:04:30		59	66.0	7.1	7.8
0+75 W	-6.9	-0.3	8.18	-3.9	13:05:12	55	49	80.6	0.8	3.9
0+50 W	-2.7	-0.2	8.32	-1.5	13:05:54	56	66	81.5	-7.3	-3.3
0+25 W	4.2	-0.7	8.68	2.4	13:08:35		46	73.0	-11.8	-9.6
0+00 E	5.0	0.2	8.77	2.8	13:09:04	55	56	72.0	-10.6	-11.2

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 29 APR 88
Operator: 5002
Records: 55
Bat: 17.0 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:18:27

Line 0+00 N Date 29 APR 88 24.0 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.3	0.2	3156.	10.0	9:26:30	99	0.0	!	

Line 4+00 N Date 29 APR 88 24.0 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+50 W	-1.6	0.9	9.47	-0.9	9:32:07	69	68.3		
6+75 W	-1.4	1.0	9.43	-0.8	9:33:21	59	65.4		
7+00 W	-0.5	1.5	9.52	-0.2	9:34:13	69	65.6		
7+25 W	0.3	1.1	9.54	0.1	9:35:03	79	61.0	1.6	
7+50 W	1.0	-0.9	9.75	0.5	9:37:05	59	70.4	1.6	1.6
7+75 W	3.8	0.7	9.65	2.1	9:38:56	57	81.9	2.7	2.1
8+00 W	2.5	0.3	9.63	1.4	9:40:12	69	74.9	2.9	2.8
8+25 W	0.8	1.0	9.52	0.4	9:41:13	59	74.5	-0.8	1.0
8+50 W	-1.6	-0.5	9.66	-0.9	9:42:25	69	74.6	-4.0	-2.4
8+75 W	-4.4	-1.7	9.52	-2.5	9:43:56	28	78.8	-5.2	-4.6
9+00 W	-2.7	-1.9	9.51	-1.5	9:45:12	9	72.3	-3.5	-4.4
9+25 W	-0.3	0.1	9.52	-0.2	9:47:14	68	76.0	1.7	-0.9
9+50 W	4.0	4.9	9.47	2.2	9:48:21	79	68.0	6.0	3.8
9+75 W	4.4	4.8	9.16	2.5	9:49:42	69	79.1	6.4	6.2
10+00 W	3.3	2.7	9.39	1.9	9:51:46	69	68.8	2.4	4.4
10+25 W	-1.8	0.6	9.45	-1.0	9:53:37	68	77.5	-3.8	-0.7
10+50 W	0.8	-1.0	9.92	0.4	9:55:26	49	75.2	-5.0	-4.4
10+75 W	7.1	-0.7	9.75	4.0	9:57:36	68	73.5	3.5	-0.8
11+00 W	4.6	-4.5	9.55	2.6	9:59:33	58	69.7	7.2	5.3
11+25 W	3.7	-6.1	9.53	2.1	10:00:56	58	83.1	0.3	3.7
11+50 W	5.0	-5.9	9.96	2.9	10:08:17	58	67.3	-1.6	-0.7
11+75 W	3.0	-6.7	10.11	1.7	10:08:43	39	62.3	-0.1	-0.9
12+00 W	1.4	-8.4	10.05	0.8	10:09:33	69	64.0	-2.5	-1.3
12+25 W	5.0	-6.2	10.48	2.8	10:10:14	59	52.6	-1.0	-1.8
12+50 W	7.7	-4.7	10.49	4.4	10:10:43	69	54.6	4.7	1.8
12+75 W	9.9	-2.4	10.38	5.6	10:11:11	69	55.4	6.4	5.5
13+00 W	9.6	-2.2	10.28	5.5	10:11:43	69	52.0	3.9	5.1

Line 2+00 N Date 29 APR 88 24.0 #29

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	-1.7	-3.0	9.98	-0.9	10:20:44	69	78.3		
12+75 W	-1.4	-2.2	9.91	-0.8	10:21:33	69	88.4		
12+50 W	-0.4	-1.8	9.97	-0.2	10:21:59	79	74.6		
12+25 W	0.6	-0.4	9.96	0.3	10:23:04	69	68.0	-1.8	
12+00 W	-0.4	0.0	9.95	-0.2	10:23:43	59	61.1	-1.1	-1.5
11+75 W	-0.7	-0.8	9.90	-0.4	10:25:07	69	68.9	0.7	-0.2
11+50 W	-0.6	-1.5	10.14	-0.3	10:25:59	59	64.1	0.8	0.7
11+25 W	0.0	-2.3	10.06	0.0	10:27:21	69	71.1	-0.3	0.2
11+00 W	0.4	-0.7	9.84	0.2	10:30:35	67	69.9	-0.9	-0.6
10+75 W	-2.5	-1.6	10.22	-1.4	10:31:50	79	56.5	0.9	0.0
10+50 W	-1.3	-0.7	10.29	-0.7	10:33:33	49	70.4	2.3	1.6
10+25 W	-1.7	-0.1	10.42	-0.9	10:34:13	69	76.0	0.4	1.3
10+00 W	-2.8	0.0	10.41	-1.6	10:34:51	69	83.9	0.4	0.4
9+75 W	-2.3	-2.2	10.87	-4.7	10:37:52	69	90.8	4.7	3.1

9+50	W	-2.3	0.2	10.64	-1.3	10:38:50	5	80.5	3.5	4.1
9+25	W	-4.4	-2.1	10.52	-2.5	10:40:25	79	70.5	-2.5	0.5
9+00	W	-4.9	-1.3	10.26	-2.8	10:41:21	57	83.3	-0.7	-1.6
8+75	W	-1.9	-2.4	10.23	-1.1	10:42:22	57	73.5	0.1	-0.3
8+50	W	-1.4	-2.1	10.17	-0.8	10:43:10	69	77.3	-3.4	-1.7
8+25	W	-0.3	-1.4	10.06	-0.2	10:44:26	69	71.7	-2.9	-3.2
8+00	W	0.6	-1.1	9.96	0.3	10:45:23	69	74.2	-2.0	-2.5
7+75	W	-2.8	-3.2	10.01	-1.6	10:46:30	69	70.9	0.3	-0.9
7+50	W	-5.8	-2.5	9.93	-3.3	10:47:16	67	79.2	5.0	2.6
7+25	W	-7.3	-1.8	9.85	-4.2	10:48:51	68	78.7	6.2	5.6
7+00	W	-7.9	-1.5	9.82	-4.5	10:51:09	67	78.8	3.8	5.0
6+75	W	-9.8	-2.5	9.97	-5.6	10:51:40	66	81.3	2.6	3.2
6+50	W	-6.8	-2.2	9.62	-3.9	10:52:12	57	79.7	0.8	1.7

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 29 APR 89
Operator: 5001
Records: 56
Bat: 17.9 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:22:27

Line 0+00 N Date 29 APR 89 24.0 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	-70.1	-0.2	3771.	-10.0	9:29:03	55 99	0.0	!	

Line 3+00 N Date 29 APR 89 24.0 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+25 W	1.0	1.9	9.80	0.6	9:30:49	56 69	54.4		
6+50 W	0.6	3.0	9.27	0.3	9:32:31	55 59	69.6		
6+75 W	-0.3	3.1	9.20	-0.1	9:33:07	49	64.6		
7+00 W	-0.8	1.5	9.20	-0.4	9:33:55	56 59	63.8	-1.4	
7+25 W	-1.4	1.0	9.32	-0.8	9:34:30	79	64.1	-1.4	-1.4
7+50 W	-1.2	1.3	9.45	-0.7	9:35:06	55 59	62.8	-1.0	-1.2
7+75 W	-0.1	1.6	9.44	0.0	9:36:12	59	68.4	0.5	-0.3
8+00 W	1.3	0.3	9.46	0.7	9:38:04	56 69	51.2	2.2	1.3
8+25 W	2.7	1.6	9.47	1.6	9:39:32	55 59	69.8	3.0	2.6
8+50 W	-1.5	-1.0	9.37	-0.9	9:40:25	56 69	70.2	0.0	1.5
8+75 W	-3.2	0.0	9.32	-1.8	9:41:18	69	72.3	-5.0	-2.5
9+00 W	-1.1	1.8	9.17	-0.6	9:42:19	55 59	71.6	-3.1	-4.1
9+25 W	-2.6	0.3	9.30	-1.5	9:46:10	56 59	78.6	0.6	-1.3
9+50 W	-1.8	0.3	9.38	-1.0	9:47:05	59	66.4	-0.1	0.2
9+75 W	-1.4	2.7	9.42	-0.8	9:47:45	59	74.2	0.3	0.1
10+00 W	0.8	3.2	9.45	0.4	9:48:26	59	57.8	2.1	1.2
10+25 W	7.4	5.8	9.54	4.2	9:50:29	69	60.1	6.4	4.2
10+50 W	9.1	6.2	9.15	5.2	9:52:58	55 69	64.0	9.8	8.1
10+75 W	-0.4	-1.0	9.35	-0.2	9:55:13	69	56.1	0.4	5.1
11+00 W	1.5	0.5	9.34	0.9	9:57:12	69	67.3	-8.7	-4.2
11+25 W	3.0	1.6	9.25	1.7	9:59:44	56 69	44.4	-2.4	-5.6
11+50 W	4.1	-0.5	9.51	2.3	10:02:18	86 47	60.3	3.3	0.4
11+75 W	4.7	-2.6	9.39	2.6	10:04:39	56 47	76.6	2.3	2.8
12+00 W	3.5	-4.5	9.44	2.0	10:05:58	55 59	58.0	0.6	1.4
12+25 W	3.8	-5.4	9.73	2.1	10:08:54	56 79	57.1	-0.8	-0.1
12+50 W	2.8	-5.2	9.85	1.6	10:09:51	49	64.1	-0.9	-0.9
12+75 W	3.1	-6.0	10.24	1.8	10:10:40	55 59	59.7	-0.7	-0.8
13+00 W	6.4	-2.5	10.20	3.7	10:11:26	59	74.4	1.8	0.5

Line 1+00 N Date 29 APR 89 24.0 #30

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	-7.5	-3.8	9.56	-4.3	10:20:40	56 58	-86.3		
12+75 W	-3.2	-2.3	9.75	-1.8	10:21:20	55 59	81.5		
12+50 W	-1.4	-1.7	9.72	-0.8	10:21:53	56 67	87.5		
12+25 W	-2.0	-2.4	9.61	-1.1	10:22:25	68	83.9	-4.2	
12+00 W	-1.1	-1.7	9.55	-0.6	10:23:01	55 69	77.9	-0.9	-2.6
11+75 W	0.2	0.2	9.56	0.1	10:23:33	69	72.9	-1.4	-1.2
11+50 W	0.6	0.1	9.89	0.3	10:24:52	56 69	76.9	-2.1	-1.8
11+25 W	-2.1	-1.0	9.77	-1.2	10:25:37	69	72.6	0.4	-0.9
11+00 W	0.5	-3.1	9.92	0.3	10:30:12	55 79	69.2	1.3	0.8
10+75 W	-1.0	-3.2	9.93	-0.5	10:31:50	56 69	77.3	-0.7	0.3
10+50 W	-2.8	-4.0	9.89	-1.6	10:32:54	49	73.5	1.2	0.2
10+25 W	-1.8	-1.9	9.73	-1.0	10:33:38	55 59	65.4	2.4	1.8
10+00 W	-0.7	1.2	9.92	-0.4	10:34:25	67	70.1	-0.7	0.3

9+75	W	-6.6	-3.3	10.23	-3.7	10:35:39	56	59	72.3	1.5	0.4
9+50	W	-7.0	-2.8	10.18	-4.0	10:37:19		69	82.5	6.3	3.9
9+25	W	-4.2	-2.0	10.30	-2.4	10:38:16		59	72.5	2.3	4.3
9+00	W	-2.7	-1.8	10.16	-1.5	10:41:15	55	57	72.1	-3.8	-0.8
8+75	W	-4.0	-2.4	9.93	-2.3	10:42:05	56	69	70.0	-2.6	-3.2
8+50	W	-0.6	-1.8	10.46	-0.3	10:42:58	55	69	64.9	-1.3	-2.0
8+25	W	0.3	-2.1	10.31	0.1	10:44:21		59	58.5	-3.6	-2.5
8+00	W	-0.2	-1.7	10.04	-0.1	10:45:53		69	68.8	-2.6	-3.1
7+75	W	-1.0	-1.4	9.91	-0.6	10:47:13		59	66.4	0.5	-1.1
7+50	W	-7.4	-4.1	9.64	-4.2	10:52:18		69	60.8	4.8	2.6
7+25	W	-6.1	-4.1	9.27	-3.5	10:53:11	56	69	65.7	7.0	5.9
7+00	W	-4.8	-2.1	9.38	-2.7	10:54:03	55	69	74.5	1.4	4.2
6+75	W	-8.1	-4.8	9.39	-4.6	10:54:58	56	69	67.1	-0.4	0.5
6+50	W	-7.1	-4.8	9.23	-4.0	10:55:36	55	59	66.3	2.4	1.0

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 26 APR 89
Operator: 5001
Records: 214
Bat: 17.5 Volt   Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 20:14:21

Line 0+00 N Date 26 APR 89 24.8   #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S		DIR	4-FRA	5-FRA
#1	69.7	0.1	3748.	4.0	9:51:51	58	99	0.0	!	
#2	69.2	0.1	3867.	4.0	9:58:31	56	99	0.0	!	

Line 11+00 S Date 26 APR 89 24.8   #3

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S		DIR	4-FRA	5-FRA
6+50 W	-0.5	4.1	157.5	-0.3	10:00:37	86	59	24.5		
6+25 W	0.0	3.5	157.6	0.0	10:01:42	55	69	13.4		
6+00 W	4.5	5.9	164.4	2.6	10:02:16		59	13.3		
5+75 W	4.1	5.1	179.5	2.3	10:02:52		69	12.4	-5.2	
5+50 W	-3.4	2.7	189.0	-1.9	10:03:34		59	14.7	2.2	-1.5
5+25 W	-8.5	-0.3	180.7	-4.8	10:04:06		59	13.6	11.6	6.9
5+00 W	-4.4	2.9	177.2	-2.5	10:04:37		59	15.2	7.7	9.6
4+75 W	-6.0	0.6	182.8	-3.4	10:05:09		59	16.0	-0.8	3.4
4+50 W	-2.3	2.7	185.8	-1.3	10:05:39		59	15.8	-2.6	-1.7
4+25 W	-3.0	2.5	194.6	-1.7	10:06:47	56	59	28.1	-2.9	-2.8
4+00 W	-10.4	-0.9	188.7	-5.9	10:07:25	55	59	9.5	2.9	0.0
3+75 W	-10.6	-0.9	180.5	-6.0	10:08:07		39	22.7	8.9	5.9
3+50 W	-7.7	1.9	178.9	-4.4	10:08:42	56	69	23.6	2.8	5.8
3+25 W	-10.4	-0.5	178.6	-5.9	10:09:15	55	69	28.2	-1.6	0.6
3+00 W	-9.3	-1.5	168.0	-5.3	10:09:46	56	59	25.3	0.8	-0.4
2+75 W	-5.3	0.4	170.6	-3.0	10:10:18		59	22.6	-2.0	-0.6
2+50 W	-1.4	0.5	177.4	-0.8	10:10:49	55	9	26.3	-7.4	-4.7
2+25 W	-3.0	-1.2	183.6	-1.7	10:11:23		49	18.2	-5.8	-6.6
2+00 W	-2.1	-0.1	187.0	-1.2	10:11:56	56	69	-9.6	-0.9	-3.4

1+75 W	-9.1	-2.6	192.5	-5.2	10:12:30	55	49	18.0	3.9	1.5
1+50 W	-15.9	-4.8	191.9	-9.0	10:13:02	56	59	23.3	11.3	7.6
1+25 W	-23.4	-7.8	183.7	-13.2	10:13:37		49	27.5	15.8	13.5
1+00 W	-27.5	-8.7	171.0	-15.4	10:14:13	55	76	32.0	14.4	15.1
0+75 W	-15.2	-0.6	153.6	-8.6	10:14:49		69	23.7	1.8	8.1
0+50 W	-15.7	0.2	164.6	-8.9	10:15:21	56	69	11.4	-11.1	-4.7
0+25 W	-11.0	2.7	156.8	-6.2	10:16:01	55	69	19.1	-8.9	-10.0
0+00 E	-6.0	3.6	181.2	-3.4	10:16:44		69	-1.7	-7.9	-8.4

Line 9+00 S Date 26 APR 89 24.8 #30

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-18.6	-7.3	185.8	-10.5	10:20:29	56	66	21.4		
0+25 W	-21.2	-11.5	201.8	-11.9	10:22:12	55	55	6.5		
0+50 W	-17.1	-7.8	236.3	-9.7	10:23:39	65	56	10.7		
0+75 W	-5.0	-1.2	238.0	-2.9	10:24:29	56	79	13.7	9.8	
1+00 W	-6.5	-3.9	229.5	-3.7	10:25:12		49	11.5	15.0	12.4
1+25 W	-9.1	-6.9	232.9	-5.2	10:25:53	55	29	17.1	3.7	9.3
1+50 W	-10.9	-6.4	245.7	-6.2	10:26:33		59	13.5	-4.8	-0.6
1+75 W	-7.3	-4.0	254.6	-4.2	10:27:09		49	9.1	-1.5	-3.2
2+00 W	-7.1	-3.9	263.5	-4.1	10:27:40	56	49	18.5	3.1	0.8
2+25 W	-2.7	2.1	257.2	-1.5	10:28:14		59	14.4	4.8	3.9
2+50 W	1.8	5.2	262.5	1.0	10:28:49	66	59	15.6	7.8	6.3
2+75 W	-0.8	2.6	253.3	-0.5	10:29:33	55	59	7.2	6.1	6.9
3+00 W	-4.6	1.9	245.5	-2.6	10:30:15		59	4.3	-2.6	1.7
3+25 W	-3.9	3.2	256.3	-2.2	10:30:51	56	59	16.9	-5.3	-4.0
3+50 W	-2.3	5.9	247.1	-1.3	10:31:25		49	11.4	-0.4	-2.9
3+75 W	-2.6	4.5	246.6	-1.5	10:31:59		59	14.7	2.0	0.8
4+00 W	-1.9	5.4	240.1	-1.0	10:32:38		59	20.5	1.0	1.5
4+25 W	-6.6	1.1	238.6	-3.7	10:33:14		59	7.4	-1.9	-0.5
4+50 W	-7.0	0.5	244.7	-4.0	10:33:52		49	9.8	-5.2	-3.6
4+75 W	-8.9	-2.8	256.7	-5.1	10:34:50		59	14.3	-4.4	-4.8
5+00 W	-3.0	-0.1	258.8	-1.7	10:36:08		59	19.7	0.9	-1.8
5+25 W	2.0	3.6	244.1	1.1	10:37:07		59	14.2	8.5	4.7
5+50 W	2.5	4.9	236.9	1.4	10:38:16	55	59	10.3	9.3	8.9
5+75 W	1.9	5.3	227.7	1.1	10:40:19	56	59	13.7	3.1	6.2
6+00 W	-1.9	2.2	227.3	-1.1	10:41:00		59	12.9	-2.5	0.3
6+25 W	0.8	5.0	224.6	0.5	10:41:38	55	69	13.2	-3.1	-2.8
6+50 W	-0.4	5.7	217.7	-0.2	10:42:23		69	13.0	0.3	-1.4
6+75 W	-2.7	4.1	218.3	-1.5	10:43:32		59	17.7	-1.1	-0.4
7+00 W	-3.6	3.0	222.2	-2.0	10:44:09	56	59	22.2	-3.8	-2.5
7+25 W	-0.8	5.9	213.7	-0.5	10:44:42		49	20.7	-0.8	-2.3
7+50 W	-4.8	4.0	210.2	-2.7	10:45:18	55	49	21.0	0.3	-0.3
7+75 W	-3.1	5.3	206.2	-1.7	10:45:49	56	59	15.5	-1.9	-0.8
8+00 W	-6.7	1.9	206.3	-3.8	10:46:29		49	14.6	-2.3	-2.1
8+25 W	-5.0	2.3	199.7	-2.8	10:47:06	55	59	20.7	-2.2	-2.3
8+50 W	-8.6	1.0	186.2	-4.9	10:48:05	56	29	18.6	-2.2	-2.2
8+75 W	-11.5	-0.4	188.5	-6.5	10:48:54	55	57	22.7	-4.8	-3.5
9+00 W	-14.7	-2.2	193.8	-8.3	10:49:30	56	56	24.5	-7.1	-6.0
9+25 W	-11.9	-1.4	198.6	-6.8	10:50:05	55	58	21.0	-3.7	-5.4
9+50 W	-11.3	-4.9	197.6	-6.4	10:50:52	56	49	21.3	1.6	-1.1
9+75 W	-8.8	-5.1	181.1	-5.0	10:51:52		69	31.4	3.7	2.6
10+00 W	-17.0	-11.0	179.3	-9.6	10:53:12	55	66	24.2	-1.4	1.1
10+25 W	-22.2	-12.9	194.6	-12.5	10:54:07		55	20.5	-10.7	-6.1
10+50 W	-19.2	-8.3	217.8	-10.9	10:54:57	56	56	19.4	-8.8	-9.8
10+75 W	-14.7	-5.1	202.6	-8.3	10:55:57		56	18.6	2.9	-3.0
11+00 W	-17.6	-5.9	211.9	-9.9	10:56:46	55	56	16.6	5.2	4.0
11+25 W	-12.1	-2.3	207.4	-6.9	10:57:43	56	39	16.1	2.4	3.8
11+50 W	-20.3	-6.2	211.5	-11.4	10:58:38	55	55	15.3	-0.1	1.1
11+75 W	-17.6	-2.0	225.0	-10.0	10:59:17		36	24.5	-4.6	-2.4
12+00 W	-25.5	-6.9	219.3	-14.3	10:59:58		55	22.5	-6.0	-5.3
12+25 W	-29.2	-8.1	249.1	-16.3	11:00:40		44	15.9	-9.2	-7.6
12+50 W	-20.8	-4.8	261.3	-11.7	11:01:23		35	19.9	-3.7	-6.5
12+75 W	-16.5	-3.2	281.1	-9.3	11:02:15		15	16.8	9.6	2.9
13+00 W	-8.1	0.0	286.3	-4.6	11:03:08		58	33.8	14.1	11.8

Line 11+00 S Date 26 APR 89 24.8 #83

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00 W	-12.6	-7.8	262.6	-7.1	11:08:18		69	16.3		
12+75 W	-8.7	-4.9	271.5	-5.0	11:10:26		69	16.0		
12+50 W	-15.5	-6.4	273.2	-8.8	11:13:42		79	18.4		
12+25 W	-18.4	-8.5	262.0	-10.4	11:14:21		59	10.1	7.1	
12+00 W	-18.8	-9.6	262.0	-10.6	11:15:01		79	18.3	7.2	7.1
11+75 W	-20.3	-11.6	247.6	-11.4	11:15:49		59	6.9	2.8	5.0
11+50 W	-11.4	-6.0	248.5	-6.5	11:16:34		39	17.5	-3.1	-0.2
11+25 W	-16.2	-4.4	259.3	-9.2	11:17:10		49	19.5	-6.3	-4.7
11+00 W	-13.4	0.0	254.2	-7.6	11:17:42		69	18.3	-1.1	-3.7
10+75 W	-25.3	-4.9	247.0	-14.2	11:18:17		69	12.4	6.1	2.5
10+50 W	-21.0	-2.6	247.9	-11.8	11:18:53		59	10.6	9.2	7.6
10+25 W	-18.5	-3.1	233.1	-10.5	11:19:27		59	14.0	0.5	4.8
10+00 W	-14.6	-1.8	239.1	-8.3	11:20:00		69	12.7	-7.2	-3.4
9+75 W	-19.8	-2.0	240.6	-11.2	11:20:31	56	69	11.4	-2.8	-5.0
9+50 W	-22.8	-3.1	224.0	-12.8	11:21:03		69	11.6	5.2	1.2
9+25 W	-19.3	-3.5	206.5	-10.9	11:21:36		69	19.3	4.2	4.7
9+00 W	-7.4	1.4	198.3	-4.2	11:22:07	55	59	13.0	-8.9	-2.4
8+75 W	2.7	3.9	215.9	1.5	11:22:38		69	14.6	-21.0	-15.0
8+50 W	5.0	1.9	234.6	2.9	11:23:09		69	15.5	-19.5	-20.3
8+25 W	0.8	1.9	239.6	0.5	11:23:43	56	59	16.8	-6.1	-12.8
8+00 W	-3.4	1.4	230.9	-1.9	11:24:45	55	59	13.5	5.8	-0.2
7+75 W	3.0	6.8	228.5	1.7	11:25:28		69	5.5	3.6	4.7
7+50 W	5.1	8.0	247.7	2.9	11:26:02		69	17.2	-6.0	-1.2
7+25 W	-2.5	4.0	246.7	-1.4	11:26:35		79	14.6	-1.7	-3.9
7+00 W	-0.7	5.1	236.7	-0.4	11:27:07		49	14.0	6.4	2.3
6+75 W	2.7	6.5	243.4	1.5	11:27:42		59	13.3	0.4	3.4

Line 7+00 S Date 26 APR 89 24.8 #109

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+75 W	0.3	6.4	190.9	0.1	11:58:09	56	69	24.7		
6+50 W	-3.1	4.9	189.3	-1.7	11:59:13	55	59	21.2		
6+25 W	-1.6	6.2	185.1	-0.9	12:00:03	56	69	29.4		
6+00 W	1.6	6.7	190.5	0.9	12:00:42	55	69	23.0	-1.6	
5+75 W	1.4	5.7	189.7	0.8	12:01:15		69	23.0	-4.3	-3.0
5+50 W	3.9	6.5	201.3	2.2	12:01:48		49	27.9	-3.0	-3.7
5+25 W	0.3	3.3	208.7	0.2	12:02:20		49	20.8	-0.7	-1.9
5+00 W	-3.3	2.4	207.9	-1.9	12:02:53	56	69	18.9	4.7	2.0
4+75 W	-5.3	2.2	216.4	-3.0	12:03:28		59	20.1	7.3	6.0
4+50 W	-14.0	-2.8	206.7	-8.0	12:04:00		59	18.9	9.3	8.3
4+25 W	-17.5	-6.3	196.4	-9.9	12:04:32		49	13.6	13.0	11.1
4+00 W	-8.7	-1.0	183.4	-4.9	12:05:03	55	49	10.1	3.8	8.4
3+75 W	-9.5	-2.3	188.3	-5.4	12:05:37		59	7.2	-7.6	-1.9
3+50 W	-5.1	-0.9	181.0	-2.9	12:06:10		59	22.8	-6.5	-7.1
3+25 W	3.9	3.3	202.6	2.2	12:08:54	56	6	17.2	-9.6	-8.1
3+00 W	-3.9	1.1	210.2	-2.2	12:10:06		69	27.9	-8.3	-9.0
2+75 W	-14.2	-1.1	196.0	-8.1	12:11:08		39	13.2	9.6	0.6
2+50 W	-10.4	3.1	183.1	-5.9	12:11:47		59	15.1	14.0	11.8
2+25 W	-4.6	5.6	180.0	-2.6	12:12:18	55	59	20.2	-1.8	6.1
2+00 W	-1.3	5.4	188.4	-0.7	12:12:52	56	59	22.5	-10.7	-6.3
1+75 W	-5.5	-0.2	200.9	-3.1	12:13:28	55	39	6.4	-4.7	-7.7
1+50 W	-7.0	1.5	197.7	-4.0	12:14:38	56	39	23.7	3.8	-0.5
1+25 W	-8.6	1.3	193.7	-4.9	12:15:36	55	59	-4.7	5.1	4.4
1+00 W	-5.4	1.4	198.4	-3.1	12:16:10	56	9	14.3	0.9	3.0
0+75 W	-11.2	-2.3	191.1	-6.4	12:16:46		39	30.9	0.6	0.7
0+50 W	-9.1	-1.3	183.2	-5.2	12:17:34	55	59	18.3	3.6	2.1
0+25 W	-3.2	2.6	181.2	-1.8	12:18:50		49	14.0	-2.5	0.5
0+00 E	-2.4	3.4	198.4	-1.4	12:19:25		39	12.3	-8.4	-5.5

Line 5+00 S Date 26 APR 89 24.8 #137

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-12.7	0.4	215.1	-7.2	12:25:06		26	22.3		
0+25 W	-10.0	-1.0	222.1	-5.7	12:26:02		57	34.1		
0+50 W	-4.5	-0.2	214.3	-2.6	12:26:44		59	22.8		
0+75 W	-6.0	-1.0	205.1	-3.4	12:27:36		39	26.6	6.9	
1+00 W	-11.1	-5.1	213.1	-6.3	12:28:14		68	16.8	-1.4	2.7

1+25 W	-8.0	-1.2	214.0	-4.5	12:28:54		59	10.0	-4.8	-3.1
1+50 W	-8.6	-0.8	216.7	-4.9	12:29:34		59	13.2	0.3	-2.3
1+75 W	-8.6	1.1	211.6	-4.9	12:30:08		49	19.2	1.0	0.6
2+00 W	-10.5	-0.9	220.9	-6.0	12:30:47		59	9.1	-1.5	-0.3
2+25 W	-8.3	-0.5	228.2	-4.7	12:31:25		49	17.1	-0.9	-1.2
2+50 W	-3.6	1.7	223.3	-2.1	12:32:03		59	2.3	4.1	1.6
2+75 W	-7.0	0.0	212.7	-4.0	12:32:48		59	21.2	4.6	4.3
3+00 W	-8.4	-0.3	226.1	-4.8	12:33:30		49	20.7	-2.0	1.3
3+25 W	-8.5	-0.7	229.0	-4.8	12:34:35	56	49	12.5	-3.5	-2.8
3+50 W	-4.2	2.1	228.8	-2.4	12:35:33	55	69	12.5	1.6	-1.0
3+75 W	-7.1	2.1	227.6	-4.0	12:36:11		49	18.9	3.2	2.4
4+00 W	-9.9	0.9	231.5	-5.6	12:36:51		37	21.4	-2.4	0.4
4+25 W	-8.2	0.7	240.1	-4.6	12:37:33		59	17.9	-3.8	-3.1
4+50 W	-7.2	0.4	253.1	-4.1	12:38:11		49	20.0	0.9	-1.5
4+75 W	-2.9	1.8	250.5	-1.7	12:38:43		49	22.9	4.4	2.6
5+00 W	-3.6	1.0	243.8	-2.0	12:39:14		49	23.9	5.0	4.7
5+25 W	0.9	6.3	248.5	0.5	12:39:48		39	16.9	4.3	4.6
5+50 W	-2.6	2.6	247.0	-1.5	12:40:21		59	25.7	2.7	3.5
5+75 W	1.4	5.9	245.5	0.8	12:40:56		59	14.2	0.8	1.7
6+00 W	1.0	4.5	237.5	0.5	12:41:30		59	11.1	2.3	1.5
6+25 W	3.3	3.7	236.5	1.8	12:42:16		59	24.8	3.0	2.6
6+50 W	3.4	3.1	212.8	1.9	12:43:00		59	25.0	2.4	2.7
6+75 W	-2.7	-2.6	229.1	-1.5	12:43:36		59	21.6	-1.9	0.2
7+00 W	1.1	-1.1	227.2	0.6	12:44:15		59	25.8	-4.6	-3.3
7+25 W	3.2	0.8	214.7	1.8	12:45:15		59	25.5	2.0	-1.3
7+50 W	8.5	5.4	194.2	4.8	12:47:24		49	28.5	7.5	4.7
7+75 W	-4.1	-5.1	180.7	-2.3	12:48:12		59	28.9	0.1	3.8
8+00 W	-10.9	-8.6	189.5	-6.2	12:48:54		58	22.4	-15.1	-7.5
8+25 W	-20.3	-15.3	207.6	-11.4	12:50:10		44	24.2	-20.1	-17.6
8+50 W	-10.0	-13.2	215.0	-5.7	12:51:08		56	25.3	-8.6	-14.4
8+75 W	-9.5	-11.8	215.0	-5.4	12:52:02		59	10.1	6.5	-1.1
9+00 W	-3.1	-6.6	208.3	-1.7	12:52:53		59	23.8	10.0	8.2
9+25 W	-4.5	-4.3	199.5	-2.5	12:53:35		39	25.6	6.9	8.4
9+50 W	-10.8	-5.4	193.3	-6.1	12:54:18		39	19.3	-1.5	2.7
9+75 W	-7.5	-0.7	205.3	-4.2	12:55:28		59	19.0	-6.1	-3.8
10+00 W	-16.1	-5.9	214.3	-9.1	12:56:09		58	5.2	-4.7	-5.4
10+25 W	-14.6	-3.3	213.2	-8.3	12:56:51		47	9.8	-7.1	-5.9
10+50 W	-9.9	1.4	219.1	-5.6	13:00:35	56	49	28.7	-0.6	-3.9
10+75 W	-12.9	-1.3	218.0	-7.3	13:01:28	55	38	2.7	4.5	1.9
11+00 W	-9.1	0.8	227.7	-5.2	13:02:38		59	6.2	1.4	2.9
11+25 W	-10.6	-1.8	229.4	-6.0	13:04:21		49	12.9	1.7	1.5
11+50 W	-9.7	-3.4	236.4	-5.5	13:05:11		56	25.7	1.0	1.3
11+75 W	-2.0	-2.1	226.8	-1.1	13:05:55		59	10.8	4.6	2.8
12+00 W	0.1	-3.3	228.8	0.0	13:06:34		59	19.1	10.4	7.5
12+25 W	3.8	-1.3	218.5	2.1	13:07:14		49	13.5	8.7	9.5
12+50 W	5.9	0.5	205.9	3.3	13:08:12		79	-0.5	6.5	7.6
12+75 W	-1.4	-3.0	196.7	-0.8	13:09:13		59	3.2	0.4	3.4
13+00 W	-5.7	-5.0	196.7	-3.2	13:10:02	56	49	17.7	-9.4	-4.5

Line 7+00 S Date 26 APR 89 24.8 #190

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00 W	-1.9	-2.2	213.1	-1.1	13:20:48		59	4.6		
12+75 W	-2.8	-0.7	220.0	-1.6	13:21:58	55	59	22.9		
12+50 W	-5.0	-0.3	225.3	-2.8	13:22:43	56	69	13.7		
12+25 W	-10.2	-4.7	219.3	-5.8	13:23:27		59	20.6	5.9	
12+00 W	-11.1	-6.5	214.8	-6.3	13:24:31		59	23.1	7.7	6.8
11+75 W	-8.9	-6.5	210.7	-5.1	13:25:12		59	19.9	2.8	5.2
11+50 W	-12.3	-4.4	207.7	-7.0	13:26:11	55	59	23.2	0.0	1.4
11+25 W	-12.0	-0.5	216.9	-6.8	13:26:50	56	69	16.0	2.4	1.2
11+00 W	-12.5	-1.2	205.0	-7.1	13:27:42		9	16.8	1.8	2.1
10+75 W	-14.1	-1.8	199.3	-8.0	13:29:09	55	59	18.0	1.3	1.5
10+50 W	-16.5	-4.6	202.4	-9.3	13:29:46	56	59	23.6	3.4	2.3
10+25 W	-18.2	-7.5	189.8	-10.3	13:30:23		49	23.9	4.5	3.9
10+00 W	-16.6	-7.2	183.7	-9.4	13:31:03	55	59	16.6	2.4	3.4
9+75 W	-12.0	-6.2	181.9	-6.8	13:31:41	56	59	23.2	-3.4	-0.5
9+50 W	-7.6	-8.1	177.2	-4.3	13:32:25	55	59	21.6	-8.6	-6.0

9+25	W	0.0	-6.0	190.3	0.0	13:33:18	56	69	27.1	-11.9	-10.3
9+00	W	-2.6	-7.2	202.6	-1.5	13:34:37	55	29	24.0	-9.6	-10.8
8+75	W	-7.6	-8.3	205.9	-4.3	13:35:35	56	69	19.9	1.5	-4.1
8+50	W	-13.3	-6.8	196.9	-7.6	13:36:15		79	24.7	10.4	5.9
8+25	W	-14.8	-4.5	184.2	-8.4	13:36:52		69	18.8	10.2	10.3
8+00	W	-15.5	-5.8	173.8	-8.8	13:37:27	55	49	31.7	5.3	7.7
7+75	W	-9.0	-2.8	168.5	-5.1	13:38:02	56	49	20.6	-2.1	1.6
7+50	W	-8.0	-0.5	165.0	-4.5	13:38:35		59	23.0	-7.6	-4.9
7+25	W	-1.3	4.9	173.8	-0.7	13:39:14	55	49	20.6	-8.7	-8.2
7+00	W	0.9	6.7	180.5	0.5	13:40:20		59	30.6	-9.4	-9.1

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 26 APR 88
Operator: 5002
Records: 212
Bat: 16.6 Volt Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 20:23:18

Line 0+00 N Date 26 APR 88 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	69.8	0.1	3221.	4.0	9:50:00	56	99	0.0	!	

Line 10+00 S Date 26 APR 88 24.8 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+50 W	-3.7	4.6	163.5	-2.1	9:53:36	88	59	18.6		
6+25 W	-1.4	5.1	155.8	-0.8	9:56:12	55	69	25.2		
6+00 W	5.5	7.7	165.1	3.1	10:01:51		69	21.1		
5+75 W	6.5	7.3	172.8	3.7	10:02:38		68	24.9	-9.7	
5+50 W	-0.2	4.0	196.0	-0.1	10:03:24		69	24.8	-1.3	-5.5
5+25 W	-8.5	1.4	189.3	-4.8	10:04:00		49	18.5	11.7	5.2
5+00 W	-9.0	2.2	186.4	-5.1	10:04:32		59	19.8	13.5	12.6
4+75 W	-12.9	-0.4	178.4	-7.3	10:05:04		59	22.8	7.5	10.5
4+50 W	-9.6	0.5	187.3	-5.4	10:05:36		49	22.3	2.8	5.1
4+25 W	-7.9	2.1	171.3	-4.5	10:06:10		59	10.2	-2.5	0.1
4+00 W	-3.7	4.5	175.7	-2.1	10:06:48		59	30.1	-6.1	-4.3
3+75 W	-3.2	4.4	177.4	-1.8	10:07:23		48	27.6	-6.0	-6.1
3+50 W	-8.8	1.3	183.7	-5.0	10:08:29		59	24.0	0.2	-2.9
3+25 W	-2.6	5.8	182.5	-1.4	10:09:06		49	31.4	2.5	1.3
3+00 W	-10.1	0.7	183.8	-5.8	10:09:40	66	49	25.0	0.4	1.4
2+75 W	-9.1	-0.7	175.1	-5.2	10:10:14	55	59	33.1	4.6	2.5
2+50 W	-2.6	1.4	175.5	-1.4	10:10:48		49	33.3	-0.6	2.0
2+25 W	-6.7	-0.2	179.4	-3.8	10:11:24		49	29.8	-5.8	-3.2
2+00 W	-6.1	0.0	185.9	-3.4	10:12:02		49	26.7	0.6	-2.6
1+75 W	-11.7	-4.0	190.5	-6.6	10:12:33		49	33.4	4.8	2.7

1+50 W	-10.5	-3.0	184.3	-6.0	10:13:10		59	29.1	5.4	5.1
1+25 W	-12.1	-4.6	184.7	-6.9	10:13:40		39	28.1	2.9	4.1
1+00 W	-11.0	-2.8	191.6	-6.3	10:14:14		49	22.0	0.6	1.7
0+75 W	-17.6	-4.1	193.3	-9.9	10:14:48		69	20.9	3.3	1.9
0+50 W	-21.5	-5.3	182.6	-12.1	10:15:20		69	29.8	8.8	6.0
0+25 W	-27.3	-8.4	168.2	-15.2	10:16:37		59	12.4	11.1	9.9
0+00 E	-17.7	-1.8	154.7	-10.0	10:17:13		59	23.8	3.2	7.1

Line 8+00 S Date 26 APR 88 24.8 #29

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00 E	-6.7	-4.2	220.4	-3.8	10:23:54	58	23.8		
0+25 W	-2.7	-4.3	220.3	-1.5	10:24:58	49	20.7		
0+50 W	-5.3	-4.0	234.9	-3.0	10:26:08	9	6.7		
0+75 W	-8.1	-6.3	239.9	-4.6	10:27:25	18	11.0	-2.3	
1+00 W	-7.7	-6.7	249.9	-4.4	10:28:03	49	18.6	-4.5	-3.4
1+25 W	-10.4	-7.1	265.6	-5.9	10:28:40	37	18.7	-2.7	-3.6
1+50 W	-4.7	-2.2	263.8	-2.7	10:29:14	49	14.0	0.4	-1.2
1+75 W	-1.9	1.7	262.2	-1.0	10:29:44	66 49	13.1	6.6	3.5
2+00 W	4.1	5.8	270.4	2.3	10:30:34	55 69	2.2	9.9	8.2
2+25 W	6.9	6.4	247.4	3.9	10:31:13	59	7.7	9.9	9.9
2+50 W	-1.0	1.8	239.5	-0.5	10:31:56	59	12.9	2.1	6.0
2+75 W	-2.9	3.0	240.9	-1.7	10:32:27	59	9.4	-8.4	-3.2
3+00 W	-4.8	2.2	243.5	-2.7	10:32:58	48	20.5	-7.8	-8.1
3+25 W	-3.9	4.2	252.4	-2.2	10:33:32	49	16.9	-2.7	-5.3
3+50 W	0.5	5.8	244.5	0.3	10:34:07	59	12.7	2.5	-0.1
3+75 W	-2.6	2.2	235.8	-1.5	10:34:40	49	24.8	3.7	3.1
4+00 W	-2.9	0.3	240.6	-1.6	10:36:54	49	24.6	-1.2	1.2
4+25 W	-1.2	0.1	223.4	-0.6	10:39:55	59	1.4	-1.0	-1.1
4+50 W	-3.7	-2.2	236.3	-2.1	10:41:16	39	16.0	0.4	-0.3
4+75 W	-3.8	-2.9	233.2	-2.2	10:41:51	7	25.8	-2.1	-0.9
5+00 W	-4.7	-1.1	237.9	-2.7	10:42:26	49	14.2	-2.2	-2.2
5+25 W	-4.5	0.0	241.5	-2.6	10:42:57	59	18.4	-1.0	-1.6
5+50 W	-0.7	2.7	244.6	-0.4	10:43:27	49	18.2	1.9	0.4
5+75 W	1.4	5.1	232.6	0.8	10:43:55	9	19.0	5.7	3.8
6+00 W	-0.1	2.8	225.9	0.0	10:44:24	49	23.5	3.8	4.7
6+25 W	-0.3	3.4	225.0	-0.2	10:44:52	39	24.1	-0.6	1.6
6+50 W	-0.3	4.0	225.8	-0.1	10:45:21	59	25.6	-1.1	-0.9
6+75 W	-1.3	5.0	220.1	-0.7	10:45:48	29	22.9	-0.6	-0.9
7+00 W	2.3	5.2	217.4	1.3	10:46:22	59	20.3	0.9	0.1
7+25 W	1.4	4.9	205.6	0.8	10:46:52	29	25.4	2.9	1.9
7+50 W	-1.3	3.0	196.2	-0.7	10:47:20	59	13.5	-0.5	1.2
7+75 W	0.4	3.8	199.3	0.2	10:47:55	59	25.9	-2.6	-1.6
8+00 W	-7.2	-1.0	178.8	-4.1	10:49:22	46	27.6	-4.0	-3.3
8+25 W	-8.9	-0.8	178.5	-5.1	10:50:34	55	40.2	-8.7	-6.4
8+50 W	-15.5	-4.2	179.6	-8.8	10:51:55	35	26.4	-10.0	-9.4
8+75 W	-19.0	-7.2	190.8	-10.7	10:53:07	55	17.2	-10.3	-10.2
9+00 W	-16.1	-8.7	203.0	-9.1	10:54:02	45	22.3	-5.9	-8.1
9+25 W	-11.1	-8.4	203.2	-6.3	10:55:03	56	23.0	4.1	-0.9
9+50 W	-14.3	-10.3	201.0	-8.1	10:55:47	5	25.0	5.4	4.7
9+75 W	-17.9	-11.5	202.7	-10.1	10:56:36	15	29.5	-2.8	1.3
10+00 W	-18.0	-8.7	209.7	-10.2	10:57:49	45	17.8	-5.9	-4.4
10+25 W	-20.8	-7.8	220.3	-11.7	10:58:45	14	20.5	-3.7	-4.8
10+50 W	-17.0	-3.7	226.9	-9.6	10:59:24	4	21.2	-1.0	-2.4
10+75 W	-15.4	-3.0	235.3	-8.7	11:00:00	34	20.6	3.6	1.3
11+00 W	-13.4	-1.2	234.7	-7.6	11:00:39	35	20.7	5.0	4.3
11+25 W	-25.0	-5.7	246.0	-14.0	11:02:56	33	23.8	-3.3	0.8
11+50 W	-17.0	-2.6	257.6	-9.6	11:04:12	35	20.7	-7.3	-5.3
11+75 W	-19.4	-3.5	246.7	-10.9	11:05:06	56	20.6	1.1	-3.1
12+00 W	-27.7	-5.5	251.2	-15.5	11:05:52	44	21.2	-2.8	-0.9
12+25 W	-26.9	-5.1	276.3	-15.0	11:06:41	13	24.8	-10.0	-6.4
12+50 W	-15.6	-2.5	302.5	-8.9	11:07:54	15	22.2	2.5	-3.8
12+75 W	-6.2	-0.3	284.9	-3.6	11:08:37	49	17.7	18.0	10.2
13+00 W	-11.3	-0.4	275.8	-6.4	11:09:16	19	16.3	13.9	15.9

Line 10+00 S Date 26 APR 88 24.8 #82

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA

13+00	W	-17.3	-6.8	278.9	-9.8	11:12:43	49	15.2		
12+75	W	-18.7	-7.3	270.0	-10.6	11:13:42	69	12.9		
12+50	W	-19.4	-6.5	266.8	-10.9	11:14:15	59	20.8		
12+25	W	-18.7	-6.7	261.8	-10.6	11:14:46	49	20.9	1.1	
12+00	W	-19.0	-8.9	256.6	-10.7	11:15:19	7	18.7	-0.2	0.4
11+75	W	-17.4	-8.0	252.8	-9.8	11:15:48	58	19.9	-1.0	-0.6
11+50	W	-14.4	-5.7	242.7	-8.1	11:16:18	59	28.9	-3.4	-2.2
11+25	W	-12.1	-4.3	256.0	-6.9	11:16:50	49	22.4	-5.5	-4.5
11+00	W	-11.4	-3.4	260.6	-6.5	11:17:20	69	21.2	-4.5	-5.0
10+75	W	-16.3	-3.9	256.8	-9.2	11:17:53	69	33.2	0.7	-1.9
10+50	W	-16.4	-2.3	254.4	-9.3	11:18:24	56	32.8	5.1	2.9
10+25	W	-18.3	-2.9	251.1	-10.3	11:19:00	39	28.0	3.9	4.5
10+00	W	-19.6	-3.7	244.8	-11.0	11:19:32	59	31.9	2.8	3.3
9+75	W	-18.0	-2.7	241.8	-10.2	11:20:05	59	32.2	1.6	2.2
9+50	W	-18.2	0.4	246.9	-10.3	11:20:34	39	26.1	-0.8	0.4
9+25	W	-24.0	0.4	238.6	-13.5	11:21:12	59	29.8	2.6	0.9
9+00	W	-24.2	-2.2	216.0	-13.6	11:21:47	59	30.8	6.6	4.6
8+75	W	-15.2	-0.7	205.2	-8.6	11:22:19	49	29.3	-1.6	2.5
8+50	W	-4.2	2.7	212.9	-2.4	11:22:48	29	30.6	-16.1	-8.9
8+25	W	-3.9	1.6	230.5	-2.2	11:23:23	59	33.8	-17.6	-16.9
8+00	W	-0.9	3.7	231.5	-0.5	11:24:09	59	26.4	-8.3	-13.0
7+75	W	-6.7	3.2	236.5	-3.8	11:25:07	59	19.6	-0.3	-4.3
7+50	W	-4.4	5.6	231.6	-2.5	11:25:43	59	24.1	3.6	1.6
7+25	W	-1.7	7.0	237.7	-0.9	11:26:22	49	24.2	-0.9	1.3
7+00	W	-2.2	6.8	240.0	-1.2	11:26:54	39	26.3	-4.2	-2.6
6+75	W	-3.2	5.5	242.3	-1.8	11:27:32	39	27.8	-0.4	-2.3
6+50	W	-4.3	3.5	186.1	-2.4	11:58:54	36	28.3	2.1	0.8

Line 6+00 S Date 26 APR 88 24.8 #109

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+50	W	-5.2	3.4	187.1	-3.0	11:59:15	46	26.4		
6+25	W	-1.7	7.3	184.1	-0.9	12:00:27	48	25.4		
6+00	W	-3.4	5.3	192.3	-2.0	12:01:02	47	26.7		
5+75	W	-3.7	5.0	188.3	-2.1	12:01:36	26	29.0	0.2	
5+50	W	-2.5	5.0	189.4	-1.4	12:02:12	36	27.8	0.6	0.4
5+25	W	-1.6	4.2	194.3	-0.9	12:02:44	39	22.8	-1.8	-0.6
5+00	W	-4.6	3.3	191.6	-2.6	12:03:20	19	10.6	0.0	-0.9
4+75	W	1.3	6.2	200.4	0.7	12:04:06	39	19.1	-0.4	-0.2
4+50	W	-2.5	3.4	217.1	-1.4	12:04:45	46	27.0	-2.8	-1.6
4+25	W	-11.4	0.1	214.2	-6.5	12:06:10	58	26.0	6.0	1.6
4+00	W	-10.9	1.5	198.4	-6.2	12:06:47	49	25.8	12.0	9.0
3+75	W	-9.8	1.6	202.6	-5.6	12:07:18	6	26.1	3.9	7.9
3+50	W	-12.3	-1.0	201.2	-7.0	12:07:49	28	24.4	-0.1	1.9
3+25	W	-10.7	-1.4	188.5	-6.1	12:08:19	35	25.8	1.3	0.6
3+00	W	-6.8	0.9	196.2	-3.9	12:08:52	29	18.2	-2.6	-0.7
2+75	W	-4.2	0.1	204.6	-2.4	12:09:23	24	29.8	-6.8	-4.7
2+50	W	-16.4	-4.2	199.8	-9.3	12:10:18	49	21.5	1.7	-2.6
2+25	W	-12.6	-0.3	190.3	-7.2	12:10:56	49	29.4	10.2	5.9
2+00	W	-9.3	2.3	187.5	-5.3	12:11:32	49	31.7	0.8	5.5
1+75	W	-5.9	2.5	190.6	-3.3	12:12:09	49	24.2	-7.9	-3.6
1+50	W	-5.7	2.8	201.2	-3.2	12:13:20	49	30.4	-6.0	-7.0
1+25	W	-10.2	-0.5	198.0	-5.8	12:14:11	56	35.7	0.4	-2.8
1+00	W	-11.7	-1.2	201.4	-6.7	12:14:47	59	30.7	6.0	3.2
0+75	W	-14.7	-3.0	200.6	-8.3	12:15:26	49	30.7	6.0	6.0
0+50	W	-15.8	-1.6	195.4	-9.0	12:16:06	59	30.1	4.8	5.4
0+25	W	-18.0	-2.1	198.1	-10.2	12:16:41	49	29.1	4.2	4.5
0+00	E	-19.1	-0.3	191.9	-10.8	12:17:22	59	36.1	3.7	3.9

Line 4+00 S Date 26 APR 88 24.8 #136

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00	E	-2.5	-1.0	216.2	-1.4	12:27:15	59	23.7		
0+25	W	-3.7	-1.1	205.9	-2.1	12:29:27	59	16.5		
0+50	W	-6.7	-2.9	215.6	-3.8	12:30:26	59	18.8		
0+75	W	-14.3	-8.1	218.2	-8.1	12:31:06	34	27.0	-8.4	
1+00	W	-1.8	2.9	231.3	-1.0	12:32:09	49	12.8	-3.2	-5.8
1+25	W	-4.2	1.1	214.3	-2.4	12:32:50	29	12.7	8.5	2.6

1+50	W	-9.3	-1.4	223.6	-5.3	12:34:01	47	23.6	1.4	4.9
1+75	W	-8.1	-0.8	228.0	-4.6	12:34:35	68	26.1	-6.5	-2.6
2+00	W	-8.7	-1.5	238.6	-5.0	12:35:11	58	11.4	-1.9	-4.2
2+25	W	-4.8	-0.3	232.1	-2.7	12:36:09	69	25.7	2.2	0.1
2+50	W	-4.9	0.1	229.3	-2.8	12:36:43	59	32.4	4.1	3.1
2+75	W	-10.3	-2.2	230.3	-5.9	12:37:21	69	26.1	-1.0	1.5
3+00	W	-13.9	-4.1	236.9	-7.9	12:37:55	68	18.2	-8.3	-4.7
3+25	W	-10.1	-1.5	252.9	-5.7	12:38:31	66	32.9	-4.9	-6.6
3+50	W	-7.6	-1.6	259.3	-4.3	12:39:06	58	25.9	3.8	-0.6
3+75	W	-2.0	0.7	262.3	-1.1	12:39:43	59	32.0	8.2	6.0
4+00	W	-1.8	-0.4	251.8	-1.0	12:40:18	49	25.1	7.9	8.0
4+25	W	2.7	1.9	252.5	1.6	12:40:54	59	31.6	6.0	6.9
4+50	W	-1.2	-1.4	255.3	-0.6	12:41:54	69	23.7	3.1	4.5
4+75	W	9.1	4.9	256.7	5.2	12:42:28	58	26.3	4.0	3.5
5+00	W	7.5	4.2	235.8	4.3	12:43:01	59	23.0	8.5	6.2
5+25	W	2.5	0.1	240.2	1.4	12:44:13	69	28.1	1.1	4.8
5+50	W	7.6	3.4	225.8	4.3	12:45:22	69	25.9	-3.8	-1.4
5+75	W	4.7	0.0	230.3	2.7	12:46:12	69	23.7	1.3	-1.3
6+00	W	7.5	-2.4	221.3	4.3	12:46:51	69	20.5	1.3	1.3
6+25	W	12.6	-1.2	198.3	7.2	12:47:32	69	24.2	4.5	2.9
6+50	W	3.9	-4.9	198.4	2.2	12:48:10	69	24.7	2.4	3.4
6+75	W	0.0	-4.8	200.2	0.0	12:48:44	69	24.0	-9.3	-3.5
7+00	W	1.0	-1.9	202.9	0.5	12:49:17	79	16.8	-8.9	-9.1
7+25	W	-0.6	-2.6	195.1	-0.3	12:49:51	69	28.7	-2.0	-5.5
7+50	W	-6.5	-7.6	202.3	-3.7	12:50:45	69	21.5	-4.5	-3.3
7+75	W	1.9	-7.6	195.5	1.1	12:52:12	69	19.4	-2.8	-3.7
8+00	W	-3.9	-9.8	186.2	-2.2	12:53:43	59	15.7	2.9	0.0
8+25	W	-11.8	-12.7	186.6	-6.7	12:55:29	69	23.6	-6.3	-1.7
8+50	W	-15.3	-10.3	195.8	-8.7	12:57:47	69	20.8	-14.3	-10.3
8+75	W	-17.9	-9.9	206.9	-10.1	12:59:10	76	27.8	-9.9	-12.1
9+00	W	-16.8	-5.8	213.4	-9.5	12:59:50	55	26.6	-4.2	-7.1
9+25	W	-14.7	-5.2	220.3	-8.3	13:00:30	68	28.6	1.0	-1.6
9+50	W	-13.8	-3.3	226.3	-7.8	13:01:10	69	30.4	3.5	2.2
9+75	W	-10.2	-0.8	237.6	-5.8	13:01:47	69	26.0	4.2	3.8
10+00	W	-7.1	0.8	231.1	-4.0	13:02:24	59	25.2	6.3	5.2
10+25	W	-6.6	2.7	235.9	-3.7	13:03:15	69	25.7	5.9	6.1
10+50	W	-15.9	-1.9	249.1	-9.0	13:05:21	79	26.5	-2.9	1.5
11+25	W	15.7	1.6	225.6	8.9	13:07:34	67	29.8	7.6	2.3
11+50	W	7.9	-2.9	204.1	4.5	13:09:19	68	33.5	26.1	16.8
11+75	W	5.3	-4.1	197.6	3.0	13:10:11	59	28.9	7.6	16.8
12+00	W	4.8	-1.1	192.6	2.7	13:11:04	59	15.7	-7.7	-0.1
12+25	W	0.0	-1.3	189.1	0.0	13:12:32	69	21.3	-4.8	-6.3
12+50	W	-5.7	-3.8	189.1	-3.2	13:13:58	49	19.2	-8.9	-6.9
12+75	W	-7.9	-3.7	192.2	-4.5	13:15:07	36	33.8	-10.4	-9.7
13+00	W	-9.1	-2.6	197.7	-5.2	13:16:17	66	37.5	-6.5	-8.5

Line 6+00 S Date 26 APR 88 24.8 #187

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00	W	-2.4	1.5	208.8	-1.4	13:21:51	69	28.5		
12+75	W	-7.6	-3.9	209.1	-4.3	13:22:58	69	21.6		
12+50	W	-6.2	-2.7	204.6	-3.5	13:24:14	58	34.2		
12+25	W	-6.2	-3.0	208.3	-3.5	13:25:32	59	24.3	1.3	
12+00	W	-7.6	-4.7	205.9	-4.3	13:26:34	59	28.2	0.0	0.6
11+75	W	-7.9	-5.5	209.6	-4.5	13:27:12	59	19.7	1.8	0.9
11+50	W	-5.4	-4.3	213.0	-3.1	13:27:55	49	27.7	-0.2	0.8
11+25	W	-0.9	-0.8	209.0	-0.5	13:29:04	46	32.8	-5.2	-2.7
11+00	W	-3.7	-1.4	229.4	-2.1	13:29:51	59	28.8	-5.0	-5.1
10+75	W	-9.8	-0.9	215.2	-5.6	13:31:08	67	29.6	4.1	-0.5
10+50	W	-11.9	-0.6	212.9	-6.8	13:31:47	57	24.9	9.8	6.9
10+25	W	-15.6	-2.2	214.5	-8.8	13:32:31	59	27.0	7.9	8.8
10+00	W	-16.8	-3.3	200.2	-9.5	13:33:11	59	25.6	5.9	6.9
9+75	W	-14.3	-2.0	192.2	-8.1	13:33:52	59	24.1	2.0	3.9
9+50	W	-19.7	-7.8	193.5	-11.1	13:34:42	46	16.8	0.9	1.4
9+25	W	-16.2	-7.9	176.5	-9.2	13:35:26	67	23.4	2.7	1.8
9+00	W	-4.0	-1.6	174.2	-2.3	13:36:28	67	33.4	-7.7	-2.5
8+75	W	-1.2	-3.5	183.3	-0.7	13:37:01	59	24.7	-17.3	-12.5

8+50	W	-5.3	-8.5	188.1	-3.0	13:37:37	69	27.0	-7.8	-12.6
8+25	W	-5.9	-8.9	193.2	-3.4	13:38:02	59	29.7	3.4	-2.2
8+00	W	-13.0	-9.5	198.6	-7.4	13:38:25	66	29.9	7.1	5.2
7+75	W	-20.4	-12.7	183.5	-11.5	13:39:01	34	14.5	12.5	9.8
7+50	W	-6.7	-3.4	168.0	-3.8	13:39:41	67	37.7	4.5	8.5
7+25	W	-0.8	-1.5	166.1	-0.5	13:40:27	58	36.2	-14.6	-5.1
7+00	W	-1.9	1.3	190.5	-1.1	13:42:20	39	24.4	-13.7	-14.2
6+75	W	-4.6	1.6	181.3	-2.6	13:42:57	59	31.0	-0.6	-7.2

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 28 APR 88
Operator: 5002
Records: 156
Bat: 16.9 Volt Lithium: 3.48 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 15:49:44

Line 0+00 N Date 28 APR 88 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	70.1	0.1	3255.	3.0	9:08:26	99	0.0	!	

Line 2+00 S Date 28 APR 88 24.8 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00 E	-0.8	0.5	192.0	-0.4	9:17:21	69	26.3		
0+25 W	-0.7	2.3	187.5	-0.4	9:19:17	49	16.6		
0+50 W	-4.1	1.4	185.8	-2.3	9:19:47	49	25.2		
0+75 W	-11.7	0.3	181.4	-6.7	9:20:19	35	42.5	-8.2	
1+00 W	-19.7	-3.2	198.1	-11.1	9:20:49	65	31.5	-15.1	-11.7
2+00 W	7.1	-1.6	163.0	4.0	9:23:10	69	31.8	1.9	-6.6
2+25 W	-3.0	-4.8	176.9	-1.7	9:24:01	57	38.1	20.1	11.0
2+50 W	-2.1	-4.7	181.6	-1.2	9:25:18	59	30.1	4.2	12.1
2+75 W	-5.8	-6.5	184.1	-3.3	9:25:55	59	28.1	-6.8	-1.3
3+00 W	-7.2	-8.2	191.1	-4.1	9:27:03	16	34.2	-4.5	-5.7
3+25 W	-7.6	-8.7	200.1	-4.3	9:27:52	9	20.5	-3.9	-4.2
3+50 W	2.1	-2.2	196.2	1.2	9:28:48	49	15.7	4.3	0.2
3+75 W	-0.7	-3.3	191.0	-0.4	9:29:44	59	25.7	9.2	6.7
4+00 W	1.3	0.3	188.5	0.7	9:30:22	49	24.7	3.4	6.3
4+25 W	1.3	0.0	192.8	0.7	9:31:22	59	29.4	0.6	2.0
4+50 W	8.8	4.5	182.8	5.0	9:32:01	59	23.9	5.4	3.0
4+75 W	8.2	7.2	182.5	4.7	9:32:40	49	14.4	8.3	6.8
5+00 W	10.3	10.5	165.0	5.8	9:33:50	59	20.7	4.8	6.5
5+25 W	1.8	3.0	161.3	1.0	9:34:25	49	30.3	-2.9	0.9
5+50 W	0.0	-0.3	171.4	0.0	9:34:59	57	30.8	-9.5	-6.2

5+75 W	5.4	-1.4	174.5	3.0	9:35:30	49	29.3	-3.8	-6.7
6+00 W	17.7	-0.9	179.5	10.0	9:36:05	49	26.7	12.0	4.1
6+25 W	13.5	-4.0	152.4	7.7	9:36:43	49	35.8	14.7	13.3
6+50 W	7.7	-3.6	149.7	4.4	9:37:37	39	30.1	-0.9	6.9
6+75 W	2.4	-2.9	147.0	1.4	9:38:34	49	25.1	-11.9	-6.4
7+00 W	-4.3	-5.6	148.7	-2.5	9:40:09	49	24.6	-13.2	-12.6
7+25 W	-8.5	-6.0	158.0	-4.9	9:41:04	29	24.8	-13.2	-13.2
7+50 W	-7.4	-3.9	165.8	-4.2	9:41:38	47	26.5	-8.0	-10.6
7+75 W	-3.9	-3.2	167.8	-2.2	9:42:14	48	26.5	1.0	-3.5
8+00 W	2.1	-3.5	165.4	1.2	9:43:15	59	26.9	8.1	4.5
8+25 W	0.5	-9.4	155.6	0.3	9:44:33	59	23.8	7.9	8.0
8+50 W	-6.8	-12.4	158.0	-3.9	9:46:11	69	24.2	-2.6	2.6
8+75 W	-12.0	-13.5	161.2	-6.8	9:48:10	26	26.2	-12.2	-7.4
9+00 W	-14.5	-11.8	173.7	-8.2	9:49:31	55	26.9	-11.4	-11.8
9+25 W	-15.4	-9.7	182.9	-8.7	9:50:14	45	27.2	-6.2	-8.8
9+50 W	-10.5	-7.3	187.2	-6.0	9:51:02	46	17.5	0.3	-3.0
9+75 W	-10.6	-5.4	181.9	-6.1	9:51:57	46	24.0	4.8	2.5
10+00 W	-13.2	-6.4	187.9	-7.5	9:53:09	56	22.1	1.1	2.9
10+25 W	-12.4	-3.8	190.9	-7.0	9:54:22	54	33.8	-2.4	-0.7
10+50 W	-12.7	-3.4	195.3	-7.2	9:56:05	56	20.8	-0.6	-1.5
10+75 W	-14.1	-1.5	198.1	-8.0	9:56:56	45	18.9	-0.7	-0.7
11+00 W	-22.5	-4.4	205.0	-12.6	9:57:33	44	17.6	-6.4	-3.6
11+25 W	-12.0	-4.0	224.9	-6.8	9:58:33	56	23.1	-4.2	-5.3
11+50 W	-4.7	-2.9	220.9	-2.7	10:00:04	59	5.3	11.1	3.4
11+75 W	2.8	1.3	212.9	1.6	10:00:47	49	20.3	18.3	14.7
12+00 W	6.1	2.6	205.8	3.5	10:01:25	59	20.2	14.6	16.4
12+25 W	7.7	3.3	199.2	4.4	10:02:11	49	17.9	9.0	11.8
12+50 W	9.9	4.2	198.9	5.6	10:03:18	69	14.6	4.9	6.9
12+75 W	12.7	8.1	186.5	7.2	10:04:12	39	29.2	4.9	4.9
13+00 W	4.4	3.0	183.7	2.5	10:04:52	59	35.8	-0.3	2.3

Line 0+00 N Date 28 APR 88 24.8 #52

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	7.2	6.1	181.6	4.1	10:16:57	56	27.5		
12+75 W	6.8	4.6	183.6	3.9	10:20:43	39	69.3		
12+50 W	5.1	3.3	187.8	2.9	10:21:20	59	59.5		
12+25 W	6.7	4.9	188.4	3.8	10:22:48	69	17.7	1.3	
12+00 W	-0.6	0.7	210.4	-0.3	10:24:04	9	13.0	3.3	2.3
11+75 W	-15.9	-7.9	189.2	-9.0	10:25:26	49	17.7	16.0	9.6
11+50 W	-6.9	-1.9	181.6	-3.9	10:26:12	45	42.9	16.4	16.2
11+25 W	-6.9	-2.0	185.5	-3.9	10:26:57	19	14.0	-1.5	7.4
11+00 W	-9.8	-1.8	182.9	-5.6	10:27:30	39	29.0	-3.4	-2.5
10+75 W	-7.0	-0.7	181.7	-4.0	10:28:10	29	11.4	1.8	-0.8
10+50 W	-9.3	-2.3	184.7	-5.3	10:28:47	39	18.3	-0.2	0.8
10+25 W	-11.5	-2.4	180.5	-6.5	10:29:26	49	15.3	2.2	1.0
10+00 W	1.6	-0.7	184.5	0.9	10:30:24	49	4.6	-3.7	-0.8
9+75 W	-13.3	-6.1	178.4	-7.5	10:32:08	29	17.6	-5.2	-4.5
9+50 W	-11.4	-5.4	174.4	-6.5	10:33:34	39	23.6	8.4	1.6
9+25 W	-12.4	-9.0	170.9	-7.0	10:34:07	47	27.3	6.9	7.6
9+00 W	-10.4	-11.8	167.3	-5.9	10:35:07	46	27.3	-1.1	2.9
8+75 W	-2.2	-8.4	167.3	-1.2	10:36:28	59	25.4	-6.4	-3.8
8+50 W	-2.1	-4.6	182.0	-1.2	10:37:37	59	23.4	-10.5	-8.5
8+25 W	-2.8	-1.7	184.0	-1.6	10:38:16	59	13.9	-4.3	-7.4
8+00 W	-15.9	-3.4	186.5	-9.0	10:39:40	49	20.2	8.2	1.9
7+75 W	-14.0	-1.1	171.2	-8.0	10:40:30	49	31.5	14.2	11.2
7+50 W	-11.1	0.0	166.4	-6.3	10:41:21	39	31.2	3.7	8.9
7+25 W	-7.7	0.2	162.6	-4.4	10:41:58	47	32.0	-6.3	-1.3
7+00 W	-7.5	-3.6	164.5	-4.2	10:42:41	59	34.3	-5.7	-6.0
6+75 W	-1.4	-3.6	165.6	-0.8	10:43:16	56	29.1	-5.7	-5.7
6+50 W	1.0	-6.4	160.1	0.5	10:43:50	57	29.8	-8.3	-7.0
6+25 W	9.0	-5.7	167.1	5.1	10:45:12	56	33.5	-10.6	-9.5
6+00 W	12.0	-6.4	184.7	6.8	10:45:54	55	24.9	-12.2	-11.4
5+75 W	3.2	-6.7	200.6	1.8	10:46:39	37	23.6	-3.0	-7.6
5+50 W	3.1	-1.9	198.2	1.7	10:47:27	57	25.8	8.4	2.7
5+25 W	1.0	0.7	193.7	0.5	10:48:05	49	22.5	6.4	7.4
5+00 W	1.5	2.3	207.8	0.8	10:48:42	46	31.7	2.2	4.3

4+75	W	-2.9	1.3	194.3	-1.6	10:49:27	39	30.2	3.0	2.6
4+50	W	-1.4	2.0	191.6	-0.8	10:50:06	49	27.1	3.7	3.3
4+25	W	2.4	4.2	194.4	1.4	10:50:41	36	32.6	-1.4	1.1
4+00	W	3.1	3.7	206.6	1.8	10:51:20	57	26.0	-5.6	-3.5
3+75	W	-0.3	2.1	217.8	-0.1	10:52:00	57	29.7	-1.1	-3.4
3+50	W	-8.2	-0.9	214.9	-4.6	10:53:02	59	28.5	7.9	3.4
3+25	W	-7.3	-0.3	203.0	-4.2	10:53:41	49	28.3	10.5	9.2
3+00	W	-5.0	-1.7	198.9	-2.8	10:54:37	59	25.9	2.3	6.4
2+75	W	-3.3	-2.4	191.2	-1.9	10:55:11	59	27.7	-4.1	-0.9
2+50	W	1.4	0.0	197.5	0.8	10:55:47	39	45.4	-5.9	-5.0
2+25	W	3.6	-0.2	204.6	2.1	10:56:21	45	33.7	-7.6	-6.8
2+00	W	-2.4	-2.3	209.7	-1.4	10:57:37	68	27.0	-1.8	-4.7
1+75	W	-2.3	0.6	209.3	-1.3	10:58:21	56	35.6	5.6	1.9
1+50	W	-1.5	3.2	195.4	-0.9	10:59:07	46	31.8	2.9	4.2
1+25	W	3.8	5.5	204.8	2.1	11:00:07	59	27.9	-3.9	-0.5
1+00	W	1.5	3.9	207.7	0.8	11:01:22	37	26.0	-5.1	-4.5
0+75	W	-0.1	2.7	212.4	0.0	11:02:35	58	24.9	0.4	-2.4
0+50	W	-9.2	-0.1	209.4	-5.2	11:03:18	69	22.5	8.1	4.2
0+25	W	-6.3	1.1	200.7	-3.6	11:04:25	59	27.7	9.6	8.8
0+00	E	-3.7	2.9	197.7	-2.1	11:05:39	59	23.3	0.5	5.0

Line 2+00 N Date 28 APR 88 24.8 #105

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
0+00	E	4.7	-1.3	211.9	2.7	12:24:59	39	28.6		
0+25	W	6.6	1.8	204.2	3.8	12:25:59	49	33.8		
0+50	W	7.5	4.6	199.1	4.3	12:26:35	49	41.4		
0+75	W	6.0	6.5	190.7	3.4	12:27:19	57	36.4	1.2	
1+00	W	-1.2	4.7	185.7	-0.7	12:28:05	69	33.7	-5.4	-2.1
1+25	W	-1.1	3.6	201.1	-0.6	12:29:00	69	29.6	-9.0	-7.2
1+50	W	4.9	1.6	213.5	2.8	12:29:33	49	32.3	-0.5	-4.8
1+75	W	12.2	1.5	194.7	6.9	12:30:08	39	35.4	11.0	5.2
2+00	W	6.7	0.3	192.4	3.8	12:30:44	39	35.2	8.5	9.7
2+25	W	3.8	-0.3	192.8	2.2	12:31:14	49	42.0	-3.7	2.4
2+50	W	6.4	0.0	198.1	3.6	12:32:08	59	30.1	-4.9	-4.3
2+75	W	6.5	-0.6	191.6	3.7	12:32:44	46	38.7	1.3	-1.8
3+00	W	9.8	0.9	190.5	5.5	12:33:36	49	31.0	3.4	2.3
3+25	W	6.0	-0.1	183.9	3.4	12:34:20	26	40.8	1.6	2.5
3+50	W	2.4	-0.8	189.4	1.3	12:34:54	59	44.8	-4.5	-1.5
3+75	W	2.1	-0.3	187.3	1.2	12:35:30	29	36.9	-6.4	-5.5
4+00	W	3.6	-2.1	198.0	2.0	12:37:08	59	30.7	-1.5	-4.0
4+25	W	10.0	-1.0	195.8	5.7	12:38:26	59	3.8	5.2	1.8
4+50	W	16.6	-2.2	186.9	9.4	12:39:31	59	24.7	11.9	8.5
4+75	W	18.4	-4.3	162.3	10.4	12:40:36	29	31.2	12.1	12.0
5+00	W	9.1	-8.6	160.2	5.2	12:41:20	48	32.4	0.5	6.3
5+25	W	-0.4	-10.5	170.8	-0.2	12:42:24	58	27.9	-14.8	-7.2
5+50	W	2.7	-4.4	171.1	1.5	12:43:01	57	31.9	-14.3	-14.6
5+75	W	3.0	-1.2	166.3	1.7	12:43:37	58	29.8	-1.8	-8.1
6+00	W	-1.8	-1.6	160.8	-1.0	12:44:12	57	34.1	-0.6	-1.2
6+25	W	-5.5	-2.0	168.8	-3.2	12:46:44	57	29.3	-7.4	-4.0

Line 4+00 N Date 28 APR 88 24.8 #131

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+25	W	-5.6	1.1	166.8	-3.2	12:49:47	69	29.1		
6+00	W	-2.5	1.9	166.3	-1.4	12:50:40	79	31.3		
5+75	W	-3.3	-0.3	169.3	-1.9	12:51:13	69	33.4		
5+50	W	-0.2	-0.5	170.4	-0.1	12:51:48	59	36.7	-2.6	
5+25	W	-2.5	-4.2	168.7	-1.4	12:52:48	67	43.7	-1.8	-2.2
5+00	W	0.0	-5.3	165.1	0.0	12:54:02	57	42.1	-0.6	-1.2
4+75	W	5.3	-3.2	163.4	3.0	12:54:51	57	35.6	-4.5	-2.6
4+50	W	7.5	-3.5	173.9	4.2	12:55:43	56	39.6	-8.6	-6.6
4+25	W	7.3	-3.1	190.8	4.2	12:56:26	49	48.0	-5.4	-7.0
4+00	W	6.6	-2.5	193.6	3.7	12:57:30	37	37.5	-0.7	-3.1
3+75	W	-1.0	-6.6	197.0	-0.6	12:58:13	58	35.0	5.3	2.3
3+50	W	-3.6	-7.2	195.3	-2.1	12:58:47	67	35.5	10.6	7.9
3+25	W	-4.2	-6.4	197.8	-2.4	12:59:19	49	22.3	7.6	9.1
3+00	W	-6.8	-4.2	197.2	-3.9	13:00:00	49	41.3	3.6	5.6

2+75 W	-10.0	-4.0	190.9	-5.7	13:00:38		59	43.3	5.1	4.3
2+50 W	-8.9	-2.3	192.0	-5.1	13:01:13		49	47.9	4.5	4.8
2+25 W	-7.5	-1.1	184.1	-4.3	13:01:45		59	49.8	-0.2	2.1
2+00 W	-4.3	2.9	179.1	-2.4	13:02:20		29	49.7	-4.1	-2.2
1+75 W	8.7	7.1	195.1	4.9	13:03:10		49	52.0	-11.9	-8.0
1+50 W	11.2	8.6	209.7	6.4	13:03:54		49	46.9	-18.0	-15.0
1+25 W	-2.7	2.7	212.9	-1.5	13:04:58		36	34.4	-2.4	-10.2
1+00 W	0.0	6.9	204.3	0.0	13:06:08		39	42.3	12.8	5.2
0+75 W	-10.6	1.9	206.4	-6.0	13:06:50		59	35.8	10.9	11.8
0+50 W	-10.9	0.1	188.4	-6.2	13:07:40		49	27.2	10.7	10.8
0+25 W	-5.4	1.5	187.9	-3.1	13:08:24		29	47.9	3.3	7.0
0+00 E	-5.8	-2.1	179.5	-3.3	13:09:07		49	29.0	-5.8	-1.3

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 28 APR 89
Operator: 5001
Records: 158
Bat: 17.8 Volt Lithium: 3.46 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 15:58:53

Line 0+00 N Date 28 APR 89 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	69.8	0.1	3861.	3.0	9:08:26		99	0.0	!	

Line 3+00 S Date 28 APR 89 24.8 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-1.5	-1.8	189.8	-0.8	9:17:57	55	59	18.4		
0+25 W	-2.1	-1.0	187.7	-1.2	9:18:50		49	25.0		
0+50 W	-3.7	-0.3	180.5	-2.1	9:19:30		59	24.9		
0+75 W	-5.8	0.5	179.3	-3.3	9:20:05		59	23.7	-3.4	
1+00 W	-6.5	2.2	182.6	-3.7	9:20:42	56	58	26.8	-3.7	-3.6
1+25 W	-7.3	3.0	179.8	-4.2	9:21:33		59	20.7	-2.5	-3.1
1+50 W	-13.6	1.3	180.4	-7.7	9:22:14	86	56	15.1	-4.9	-3.7
1+75 W	-21.5	-4.5	198.5	-12.1	9:23:02	55	54	10.1	-11.9	-8.4
2+00 W	4.2	6.1	200.9	2.4	9:25:45	56	59	26.4	2.2	-4.9
2+25 W	-5.1	-2.7	190.8	-2.9	9:26:36	55	49	14.1	19.3	10.7
2+50 W	-4.2	-3.5	200.1	-2.4	9:27:15		59	24.7	4.4	11.8
2+75 W	1.2	0.6	193.7	0.7	9:27:50	56	59	18.7	-1.2	1.6
3+00 W	-3.6	-3.1	185.4	-2.0	9:28:31		49	18.2	4.0	1.4
3+25 W	-7.9	-4.6	184.8	-4.5	9:29:03		57	26.4	-4.8	-0.4
3+50 W	-10.9	-7.9	195.8	-6.2	9:29:35	55	57	14.1	-9.4	-7.1
3+75 W	-2.9	-2.5	211.4	-1.6	9:30:09		29	18.7	-1.3	-5.4
4+00 W	2.3	-0.6	194.8	1.3	9:30:40		39	23.5	10.4	4.5
4+25 W	2.1	-0.2	189.5	1.2	9:31:12		49	14.9	10.3	10.3
4+50 W	2.4	0.8	191.4	1.3	9:31:50		59	20.5	2.8	6.5
4+75 W	4.2	2.5	187.5	2.4	9:32:18	56	29	17.4	1.2	2.0

5+00	W	4.6	3.0	187.4	2.6	9:32:47	55	49	21.1	2.5	1.8
5+25	W	8.4	6.8	180.3	4.8	9:33:41		49	16.2	3.7	3.1
5+50	W	9.3	4.4	181.7	5.3	9:34:24		59	24.3	5.1	4.4
5+75	W	8.7	2.2	168.4	5.0	9:35:04		39	30.8	2.9	4.0
6+00	W	7.3	0.6	171.7	4.1	9:36:03		69	30.8	-1.0	0.9
6+25	W	12.1	2.1	167.7	6.9	9:40:01	55	69	26.5	0.7	-0.2
6+50	W	13.0	0.0	153.6	7.4	9:42:59		59	31.4	5.2	2.9
6+75	W	3.6	-4.2	151.6	2.0	9:43:31		39	29.0	-1.6	1.8
7+00	W	-0.7	-5.2	152.5	-0.4	9:44:04	56	49	30.4	-12.7	-7.2
7+25	W	-2.5	-3.4	160.6	-1.4	9:44:36		49	26.0	-11.2	-12.0
7+50	W	-2.9	-2.5	160.2	-1.6	9:45:06		39	22.0	-4.6	-7.9
7+75	W	-3.6	-3.5	163.5	-2.0	9:45:48	55	59	27.6	-1.8	-3.2
8+00	W	-3.3	-6.5	171.1	-1.9	9:46:28	56	59	17.5	-0.9	-1.4
8+25	W	-3.2	-11.4	163.4	-1.8	9:47:20		69	22.0	-0.1	-0.5
8+50	W	-7.9	-13.4	167.6	-4.5	9:48:17	55	57	25.6	-2.4	-1.3
8+75	W	-3.9	-7.5	168.9	-2.2	9:49:44	56	68	23.8	-3.0	-2.7
9+00	W	-14.0	-11.8	172.3	-7.9	9:50:37	55	55	29.5	-3.8	-3.4
9+25	W	-16.4	-12.0	185.3	-9.3	9:51:39		46	10.8	-10.5	-7.2
9+50	W	-13.2	-7.6	202.6	-7.5	9:52:28		56	22.7	-6.7	-8.6
9+75	W	-13.7	-7.7	192.9	-7.8	9:53:16		48	13.3	1.9	-2.4
10+00	W	-14.4	-7.2	207.0	-8.2	9:54:13		66	18.5	0.8	1.3
10+25	W	-10.1	-5.6	202.8	-5.7	9:55:02		79	-1.5	1.4	1.1
10+50	W	-8.2	-1.2	197.6	-4.7	9:55:58		67	21.5	5.6	3.5
10+75	W	-11.7	-1.2	206.0	-6.7	9:56:53	56	56	27.1	2.5	4.0
11+00	W	-11.2	-1.0	220.3	-6.4	9:57:33	55	66	23.3	-2.7	-0.1
11+25	W	-1.0	1.3	231.2	-0.6	9:58:12		59	20.3	4.4	0.8
11+50	W	8.7	2.2	216.5	5.0	9:58:50	56	49	20.4	17.5	10.9
11+75	W	10.7	0.1	214.5	6.1	9:59:29		69	21.4	18.1	17.8
12+00	W	11.0	-0.5	201.2	6.2	10:00:03	55	49	24.4	7.9	13.0
12+25	W	7.5	-1.3	187.9	4.3	10:00:42		59	31.7	-0.6	3.6
12+50	W	8.0	-0.5	191.2	4.6	10:01:56	56	59	33.8	-3.4	-2.0
12+75	W	7.2	0.4	177.4	4.1	10:02:52	55	59	15.0	-1.8	-2.6
13+00	W	2.1	0.6	181.6	1.2	10:03:39		59	8.4	-3.6	-2.7

Line 1+00 S Date 28 APR 89 24.8 #55

POSITION		I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00	W	-2.6	5.1	179.6	-1.5	10:09:21	56	59	34.6		
12+75	W	2.9	8.5	180.0	1.6	10:10:18	55	67	29.1		
12+50	W	0.3	3.9	186.7	0.2	10:12:35	56	69	8.8		
12+25	W	2.9	3.7	188.7	1.6	10:13:35		68	29.8	-1.7	
12+00	W	6.6	4.7	195.6	3.7	10:14:17		66	33.3	-3.5	-2.6
11+75	W	3.7	3.8	200.1	2.1	10:15:20		69	16.3	-4.0	-3.8
11+50	W	2.3	2.0	201.9	1.3	10:16:16	55	35	32.3	1.9	-1.1
11+25	W	-1.2	0.6	202.7	-0.7	10:17:12		59	19.0	5.2	3.5
11+00	W	-3.0	-0.2	207.1	-1.7	10:18:24		69	19.1	5.8	5.5
10+75	W	-12.4	-1.5	212.6	-7.0	10:22:05		68	34.1	9.3	7.5
10+50	W	-19.7	-2.7	198.0	-11.1	10:24:04		59	29.6	15.7	12.5
10+25	W	-20.9	-1.9	194.9	-11.8	10:25:35		77	36.3	14.2	14.9
10+00	W	-16.7	-2.6	175.5	-9.4	10:26:27	56	67	38.1	3.1	8.6
9+75	W	-8.4	0.4	178.7	-4.8	10:27:06	55	59	28.6	-8.7	-2.8
9+50	W	-14.3	-3.6	187.2	-8.1	10:28:09		67	36.6	-8.3	-8.5
9+25	W	-14.2	-4.5	180.0	-8.1	10:29:04		77	33.1	2.0	-3.2
9+00	W	-15.1	-6.2	176.6	-8.5	10:30:08	56	59	26.6	3.7	2.8
8+75	W	-16.9	-11.9	168.0	-9.6	10:30:47	55	69	19.5	1.9	2.8
8+50	W	-12.6	-11.3	162.2	-7.2	10:31:40		69	30.7	0.2	1.0
8+25	W	-7.4	-10.8	158.2	-4.2	10:32:43		59	26.9	-6.7	-3.3
8+00	W	-2.4	-9.4	161.8	-1.4	10:33:40	56	69	8.6	-11.2	-9.0
7+75	W	3.9	-1.2	177.8	2.2	10:35:39	55	59	20.5	-12.2	-11.7
7+50	W	-7.5	0.4	192.0	-4.2	10:36:48		59	38.3	-3.6	-7.9
7+25	W	-15.6	-5.1	173.0	-8.8	10:37:48	56	69	28.5	13.8	5.1
7+00	W	-10.3	-3.0	162.1	-5.8	10:38:25	55	69	22.3	12.6	13.2
6+75	W	-1.0	1.6	169.8	-0.5	10:39:22		29	34.5	-6.7	2.9
6+50	W	-3.5	-4.7	158.3	-2.0	10:40:08	56	59	33.1	-12.1	-9.4
6+25	W	3.4	-4.9	159.8	1.9	10:41:19	55	58	27.3	-6.2	-9.2
6+00	W	14.4	-3.2	165.9	8.2	10:42:05	56	65	19.2	-12.6	-9.4
5+75	W	28.0	2.2	190.3	15.6	10:44:56	55	64	13.3	-23.9	-18.3

5+50 W	-12.7	-8.4	214.1	-7.2	10:49:37		59	21.9	1.7	-11.1
5+25 W	-10.6	-4.8	194.0	-6.0	10:50:21		69	17.2	37.0	19.3
5+00 W	-2.8	3.1	195.1	-1.6	10:51:25	56	69	16.3	16.0	26.5
4+75 W	2.6	7.3	186.6	1.5	10:52:54		59	30.5	-13.1	1.4
4+50 W	8.3	8.8	195.2	4.7	10:53:47	55	55	32.4	-13.8	-13.5
4+25 W	9.9	7.5	208.4	5.7	10:54:48		66	25.3	-10.5	-12.2
4+00 W	10.2	7.3	214.1	5.8	10:55:44		47	24.7	-5.3	-7.9
3+75 W	4.0	2.7	223.0	2.3	10:56:41	56	67	35.2	2.3	-1.5
3+50 W	-5.5	-4.2	216.9	-3.1	10:57:39	55	59	-24.5	12.3	7.3
3+25 W	-10.5	-6.5	213.4	-6.0	10:59:10		59	9.0	17.2	14.7
3+00 W	-8.5	-5.6	197.5	-4.8	11:00:27	56	79	28.3	10.0	13.6
2+75 W	-3.5	-2.8	196.5	-2.0	11:01:09	55	36	37.7	-2.3	3.8
2+50 W	-1.4	-1.8	206.0	-0.8	11:01:46		68	32.1	-8.0	-5.2
2+25 W	-6.5	-3.9	201.9	-3.7	11:02:35		59	36.9	-2.3	-5.2
2+00 W	-6.0	-2.9	196.5	-3.4	11:03:20		59	21.0	4.3	1.0
1+75 W	-4.3	-2.7	185.1	-2.4	11:04:18		59	22.7	1.3	2.8
1+50 W	-0.9	-0.4	182.6	-0.5	11:04:58		69	27.4	-4.2	-1.5
1+25 W	5.1	2.7	193.7	2.9	11:05:40		68	24.7	-8.2	-6.2
1+00 W	8.8	4.3	214.3	5.0	11:06:30	56	45	37.8	-10.8	-9.5
0+75 W	-1.4	0.0	221.4	-0.8	11:07:15	55	69	26.4	-1.8	-6.3
0+50 W	-3.3	0.0	206.8	-1.9	11:07:58	56	59	25.1	10.6	4.4
0+25 W	-5.5	-0.3	205.6	-3.2	11:08:46	55	59	16.6	9.3	9.9
0+00 E	-3.3	2.3	205.6	-1.9	11:10:14	56	59	26.7	2.4	5.8

Line 1+00 N Date 28 APR 89 24.8 #108

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
0+00 E	-4.7	-0.4	210.0	-2.7	12:23:23		39	19.3		
0+25 W	4.6	4.7	224.2	2.6	12:24:28		49	32.5		
0+50 W	-2.6	-0.2	212.7	-1.5	12:25:14		49	37.1		
0+75 W	0.9	3.4	216.6	0.5	12:25:54	55	69	44.4	-0.9	
1+00 W	5.0	6.5	206.9	2.8	12:26:48	66	49	28.4	2.2	0.6
1+25 W	2.7	4.0	205.2	1.5	12:27:31	56	69	14.7	5.3	3.7
1+50 W	9.9	5.2	210.7	5.6	12:28:20		59	27.7	3.8	4.5
1+75 W	10.0	2.6	196.1	5.7	12:29:02	55	49	20.7	7.0	5.4
2+00 W	10.6	2.7	187.2	6.0	12:30:24		59	39.5	4.6	5.8
2+25 W	3.5	-1.3	185.2	2.0	12:31:16		49	26.1	-3.3	0.6
2+50 W	-2.5	-3.6	180.0	-1.4	12:31:55	56	49	28.0	-11.1	-7.2
2+75 W	-12.1	-8.5	189.7	-6.9	12:32:32		49	24.6	-16.3	-13.7
3+00 W	-15.6	-10.3	208.9	-8.8	12:33:10		45	32.0	-16.3	-16.3
3+25 W	-5.2	-4.2	229.1	-3.0	12:33:51		39	30.6	-3.5	-9.9
3+50 W	7.3	1.7	215.3	4.1	12:34:31		39	19.5	16.8	6.6
3+75 W	8.3	3.7	194.2	4.7	12:35:06	55	49	19.2	20.6	18.7
4+00 W	7.4	2.3	190.5	4.2	12:35:48	56	49	26.2	7.8	14.2
4+25 W	4.7	-0.4	189.5	2.7	12:36:23		49	21.8	-1.9	2.9
4+50 W	5.8	-0.2	188.8	3.3	12:37:18	55	49	19.2	-2.9	-2.4
4+75 W	5.9	-3.2	190.4	3.3	12:37:58		39	20.2	-0.3	-1.6
5+00 W	15.6	-3.4	187.1	8.9	12:39:46	56	49	15.4	6.2	2.9
5+25 W	16.3	-6.1	158.0	9.2	12:42:02	55	59	20.8	11.5	8.8
5+50 W	3.4	-8.9	161.2	1.9	12:43:27		59	17.3	-1.1	5.2
5+75 W	-1.9	-7.9	169.0	-1.1	12:44:08		59	18.5	-17.3	-9.2
6+00 W	2.9	-1.3	167.9	1.6	12:44:41	56	59	22.4	-10.6	-14.0
6+25 W	-2.7	-3.2	163.4	-1.5	12:45:19	55	59	13.0	-0.7	-5.7

Line 3+00 N Date 28 APR 89 24.8 #134

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+00 W	-7.4	-3.7	169.4	-4.2	12:48:37	56	59	29.2		
5+75 W	-6.1	-5.0	166.7	-3.4	12:49:57	55	69	31.4		
5+50 W	-3.2	-5.6	165.2	-1.8	12:50:33	56	39	23.5		
5+25 W	-0.1	-6.9	165.7	0.0	12:51:16		59	20.9	-5.8	
5+00 W	5.7	-5.8	165.4	3.2	12:51:56	55	39	26.4	-8.4	-7.1
4+75 W	11.6	-3.1	168.0	6.6	12:52:45	56	47	29.5	-11.6	-10.0
4+50 W	11.3	-3.1	200.9	6.4	12:53:23	55	58	27.4	-9.8	-10.7
4+25 W	-0.4	-4.9	182.7	-0.2	12:55:34		59	22.4	3.6	-3.1
4+00 W	1.8	-1.4	184.4	1.0	12:56:25	56	79	23.1	12.2	7.9
3+75 W	-5.0	-1.5	189.7	-2.9	12:57:36	55	49	32.9	8.1	10.1
3+50 W	-5.4	-0.1	177.8	-3.1	12:58:24	56	49	41.1	6.8	7.4

3+25 W	-6.2	-0.1	181.2	-3.5	12:59:05		49	35.4	4.7	5.7
3+00 W	-5.2	-0.1	175.1	-3.0	12:59:36	55	49	32.6	0.5	2.6
2+75 W	-1.8	1.4	172.0	-1.0	13:00:08		49	25.7	-2.6	-1.1
2+50 W	-2.0	1.4	174.0	-1.1	13:00:40	56	49	32.4	-4.4	-3.5
2+25 W	1.8	4.1	176.2	1.0	13:01:18	55	39	34.6	-3.9	-4.2
2+00 W	6.9	6.1	185.1	3.9	13:01:52		35	42.6	-7.0	-5.5
1+75 W	5.0	3.3	200.4	2.8	13:02:21		49	28.0	-6.8	-6.9
1+50 W	-2.9	1.8	207.4	-1.6	13:02:53		59	35.0	3.7	-1.6
1+25 W	-12.5	1.3	189.5	-7.1	13:03:38	56	69	35.3	15.4	9.5
1+00 W	-10.1	3.6	189.3	-5.7	13:04:30		59	23.2	14.0	14.7
0+75 W	-6.6	5.4	176.8	-3.8	13:05:12	55	59	37.4	0.8	7.4
0+50 W	-3.0	3.7	173.3	-1.7	13:05:54	56	57	34.1	-7.3	-3.3
0+25 W	3.3	0.4	190.0	1.9	13:08:35		49	27.5	-9.7	-8.5
0+00 E	4.2	0.9	189.3	2.4	13:09:04	55	68	32.0	-9.8	-9.8

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18120
VLF TOTAL FIELD DATA (uncorrected)
Date 29 APR 88
Operator: 5002
Records: 55
Bat: 17.0 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:17:17

Line 0+00 N Date 29 APR 88 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
#1	69.5	0.1	3248.	3.0	9:26:30	99	0.0	!	

Line 4+00 N Date 29 APR 88 24.8 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
6+50 W	-3.4	2.6	186.4	-1.9	9:32:07	69	25.1		
6+75 W	-6.0	2.6	190.9	-3.4	9:33:21	69	21.9		
7+00 W	-5.6	3.4	197.3	-3.2	9:34:13	59	21.0		
7+25 W	-4.8	2.4	205.0	-2.7	9:35:03	79	20.3	-0.6	
7+50 W	-2.1	0.1	215.1	-1.2	9:37:05	49	27.8	2.7	1.0
7+75 W	2.6	-2.9	208.9	1.5	9:38:56	59	32.4	6.2	4.4
8+00 W	1.3	-4.7	200.2	0.7	9:40:12	49	32.7	6.1	6.1
8+25 W	-3.2	-6.2	200.0	-1.8	9:41:13	49	29.6	-1.4	2.3
8+50 W	-6.2	-5.7	201.1	-3.5	9:42:25	59	29.9	-7.5	-4.5
8+75 W	-9.0	-6.5	205.9	-5.1	9:43:56	49	27.0	-7.5	-7.5
9+00 W	-9.3	-4.9	214.2	-5.3	9:45:12	48	24.6	-5.1	-6.3
9+25 W	-4.6	-2.9	217.8	-2.6	9:47:14	79	22.4	0.7	-2.2
9+50 W	2.6	1.9	214.5	1.5	9:48:21	79	25.7	9.3	5.0
9+75 W	2.7	1.6	200.8	1.5	9:49:42	59	30.4	10.9	10.1
10+00 W	-1.9	-0.6	198.5	-1.1	9:51:46	49	23.3	1.5	6.2
10+25 W	-5.0	-2.2	203.0	-2.8	9:53:37	78	32.3	-6.9	-2.7
10+50 W	-7.4	-6.5	210.2	-4.2	9:55:26	48	35.4	-7.4	-7.2
10+75 W	-1.0	-6.6	209.3	-0.6	9:57:36	69	27.0	-0.9	-4.2
11+00 W	0.7	-7.6	198.8	0.4	9:59:33	59	21.7	6.8	2.9
11+25 W	1.2	-7.2	192.7	0.7	10:00:56	59	34.1	5.9	6.3

11+50 W	-0.9	-8.6	193.6	-0.5	10:08:17	59	17.2	0.4	3.1
11+75 W	-0.1	-5.6	192.6	-0.1	10:08:43	59	15.1	-1.7	-0.7
12+00 W	-1.6	-6.1	191.6	-0.9	10:09:33	59	17.8	-1.2	-1.5
12+25 W	-1.0	-5.9	197.4	-0.5	10:10:14	59	13.6	-0.8	-1.0
12+50 W	0.2	-4.5	199.1	0.1	10:10:43	69	12.9	0.6	-0.1
12+75 W	0.4	-3.5	198.3	0.2	10:11:11	59	7.9	1.7	1.1
13+00 W	2.8	-2.5	200.8	1.6	10:11:43	59	4.3	2.2	1.9

Line 2+00 N Date 29 APR 88 24.8 #29

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT S	DIR	4-FRA	5-FRA
13+00 W	-3.2	1.0	218.0	-1.8	10:20:44	79	23.6		
12+75 W	-1.8	1.8	220.9	-1.0	10:21:33	78	35.5		
12+50 W	-1.0	1.2	219.6	-0.5	10:21:59	49	21.1		
12+25 W	-0.4	0.8	222.1	-0.2	10:23:04	69	14.0	-2.1	
12+00 W	0.6	1.6	225.1	0.3	10:23:43	59	10.4	-1.6	-1.9
11+75 W	1.0	0.9	230.3	0.6	10:25:07	69	14.4	-1.6	-1.6
11+50 W	-0.1	-0.7	242.8	-0.1	10:25:59	49	8.9	-0.4	-1.0
11+25 W	-7.4	-2.9	249.5	-4.2	10:27:21	79	17.4	5.2	2.4
11+00 W	-5.7	-0.9	236.8	-3.2	10:30:35	79	20.4	7.9	6.5
10+75 W	-5.0	-0.6	252.7	-2.9	10:31:50	79	8.2	1.8	4.8
10+50 W	-7.6	-3.2	245.2	-4.3	10:33:33	69	16.4	-0.2	0.8
10+25 W	-6.1	-2.1	244.4	-3.5	10:34:13	59	29.1	1.7	0.7
10+00 W	-3.7	0.2	237.6	-2.1	10:34:51	59	36.3	-1.6	0.0
9+75 W	-8.2	-0.6	262.8	-4.7	10:37:52	49	29.1	-1.0	-1.3
9+50 W	-9.8	-2.3	265.8	-5.6	10:38:50	47	36.6	4.7	1.8
9+25 W	-14.5	-6.5	247.0	-8.3	10:40:25	79	22.7	7.1	5.9
9+00 W	-10.7	-2.9	244.5	-6.1	10:41:21	49	39.3	4.1	5.6
8+75 W	-12.1	-8.8	233.9	-6.9	10:42:22	58	24.9	-0.9	1.6
8+50 W	-10.0	-8.8	223.9	-5.7	10:43:10	69	32.6	-1.8	-1.4
8+25 W	-4.5	-7.7	221.2	-2.6	10:44:26	69	27.7	-4.7	-3.3
8+00 W	5.9	-2.5	236.7	3.4	10:45:23	69	31.7	-13.4	-9.1
7+75 W	-5.4	-5.0	252.4	-3.1	10:46:30	69	24.9	-8.6	-11.0
7+50 W	-9.7	-0.5	250.4	-5.5	10:47:16	47	40.8	9.4	0.4
7+25 W	-11.4	3.5	232.0	-6.5	10:48:51	67	39.3	12.3	10.8
7+00 W	-9.2	4.7	225.9	-5.2	10:51:09	57	36.2	3.1	7.7
6+75 W	-7.3	4.9	225.2	-4.1	10:51:40	58	33.2	-2.7	0.2
6+50 W	-9.4	0.2	219.1	-5.4	10:52:12	47	32.8	-2.2	-2.5

EOF

OMNI-PLUS Tie-line MAG/VLF V12L Ser #18035
VLF TOTAL FIELD DATA (uncorrected)
Date 29 APR 89
Operator: 5001
Records: 56
Bat: 17.9 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:21:37

Line 0+00 N Date 29 APR 89 24.8 #1

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
#1	-69.2	-0.1	3875.	-3.0	9:29:03	55	99	0.0	!	

Line 3+00 N Date 29 APR 89 24.8 #2

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
6+25 W	-0.5	-0.2	190.0	-0.3	9:30:49	56	69	13.5		
6+50 W	0.1	3.8	187.0	0.1	9:32:31	55	59	26.4		
6+75 W	-2.8	3.1	184.9	-1.6	9:33:07		49	22.7		
7+00 W	-5.0	3.0	187.7	-2.8	9:33:55	56	69	21.3	-4.2	
7+25 W	-7.2	2.6	195.1	-4.1	9:34:30		79	20.5	-5.4	-4.8
7+50 W	-5.3	3.7	200.3	-3.0	9:35:06	55	59	18.4	-2.7	-4.1
7+75 W	-3.9	2.5	205.7	-2.2	9:36:12		59	25.8	1.7	-0.5
8+00 W	-2.0	-3.6	211.3	-1.1	9:38:04	56	69	6.7	3.8	2.7
8+25 W	2.3	-5.1	201.7	1.3	9:39:32	55	69	26.3	5.4	4.6
8+50 W	-3.2	-7.1	200.7	-1.8	9:40:25	56	69	24.7	2.8	4.1
8+75 W	-2.3	-3.4	200.1	-1.3	9:41:18		58	27.9	-3.3	-0.3
9+00 W	-5.6	-4.5	194.2	-3.2	9:42:19	55	47	31.8	-4.0	-3.7
9+25 W	-10.7	-5.9	218.5	-6.1	9:46:10	56	56	35.2	-6.2	-5.1
9+50 W	-10.3	-5.4	225.6	-5.8	9:47:05		57	20.4	-7.4	-6.8
9+75 W	-4.8	-1.6	222.7	-2.7	9:47:45		59	30.4	0.8	-3.3
10+00 W	-3.4	-1.9	222.1	-1.9	9:48:26		69	14.1	7.3	4.0
10+25 W	8.2	3.2	216.2	4.7	9:50:29		69	14.2	11.3	9.3
10+50 W	4.0	0.0	196.3	2.3	9:52:58	55	69	18.3	11.6	11.4
10+75 W	-3.1	-2.5	194.5	-1.7	9:55:13		79	11.1	-2.2	4.7
11+00 W	-5.4	-3.2	196.4	-3.1	9:57:12		69	21.7	-11.8	-7.9

11+25 W	-5.0	-3.9	200.7	-2.8	9:59:44	56	69	-2.3	-6.5	-9.2
11+50 W	-0.5	-3.6	209.0	-0.3	10:02:18	86	69	11.9	1.7	-2.4
11+75 W	3.6	-4.1	191.4	2.1	10:04:39	56	49	28.3	7.7	4.7
12+00 W	1.5	-6.2	186.9	0.8	10:05:58	55	59	8.8	6.0	6.8
12+25 W	0.4	-4.4	188.1	0.2	10:08:54	56	69	11.9	-0.8	2.6
12+50 W	-1.9	-6.1	189.5	-1.1	10:09:51		59	17.1	-3.8	-2.3
12+75 W	-3.5	-5.5	199.6	-2.0	10:10:40	55	59	16.0	-4.1	-4.0
13+00 W	-0.9	-3.5	199.9	-0.5	10:11:26		59	28.2	-1.6	-2.9

Line 1+00 N Date 29 APR 89 24.8 #30

POSITION	I/P	QUAD	T.FLD	TILT	TIME	CULT	S	DIR	4-FRA	5-FRA
13+00 W	2.6	7.4	216.3	1.4	10:20:40	56	68	31.6		
12+75 W	0.8	5.6	222.2	0.4	10:21:20	55	59	22.4		
12+50 W	-0.2	2.3	223.3	-0.1	10:21:53	56	69	30.7		
12+25 W	-1.3	1.3	220.0	-0.7	10:22:25		59	28.2	2.6	
12+00 W	2.2	3.3	221.1	1.2	10:23:01	55	69	21.0	-0.2	1.2
11+75 W	4.0	4.5	223.4	2.3	10:23:33		59	16.2	-4.3	-2.3
11+50 W	8.9	4.6	235.4	5.1	10:24:52	56	58	23.4	-6.9	-5.6
11+25 W	14.3	8.1	243.0	8.1	10:25:37		66	16.2	-9.7	-8.3
11+00 W	-21.1	-6.8	323.9	-11.9	10:30:12	55	79	2.4	11.2	0.7
10+75 W	-12.7	-3.8	245.4	-7.2	10:31:50	56	49	28.6	32.3	21.7
10+50 W	-9.6	-2.2	241.2	-5.4	10:32:54		59	21.6	8.8	20.5
10+25 W	-8.2	-2.6	237.1	-4.7	10:33:38	55	59	14.7	-9.0	-0.1
10+00 W	-1.8	1.7	246.9	-1.0	10:34:25		69	22.0	-6.9	-8.0
9+75 W	-8.7	-0.3	251.7	-4.9	10:35:39	56	69	21.9	-4.2	-5.6
9+50 W	-8.9	0.0	259.2	-5.1	10:37:19		69	27.7	4.3	0.0
9+25 W	-13.9	-4.9	254.6	-7.9	10:38:16		59	17.5	7.1	5.7
9+00 W	-15.1	-7.9	237.7	-8.5	10:41:15	55	59	23.1	6.4	6.7
8+75 W	-12.3	-5.8	233.9	-7.0	10:42:05	56	69	20.4	2.5	4.4
8+50 W	-10.4	-9.3	229.0	-5.9	10:42:58	55	69	18.2	-3.5	-0.5
8+25 W	-7.5	-10.6	225.7	-4.3	10:44:21		59	15.0	-5.3	-4.4
8+00 W	0.9	-5.4	227.0	0.5	10:45:53		69	24.8	-9.1	-7.2
7+75 W	0.3	-2.5	239.8	0.1	10:47:13		59	20.6	-10.8	-10.0
7+50 W	-17.0	-3.2	242.3	-9.6	10:52:18		79	15.4	5.7	-2.6
7+25 W	-15.5	-1.0	222.9	-8.8	10:53:11	56	59	21.4	19.0	12.3
7+00 W	-9.5	4.0	213.8	-5.4	10:54:03	55	59	28.1	4.7	11.8
6+75 W	-7.7	3.4	209.5	-4.4	10:54:58	56	69	21.4	-8.6	-2.0
6+50 W	-6.4	1.5	216.2	-3.6	10:55:36	55	59	16.3	-6.2	-7.4

EOF

APPENDIX VII

MAGNETOMETER DATA

EDA OMNI-IV Tie-line MAG Ser #18035
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 26 APR 89
Operator: 5001
Reference field: 58564.0
Datum subtracted: 0.0
Records: 214
Bat: 17.5 Volt Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 19:38:49

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/26 9:05:00
Start of print: 4/26 19:38:51

#1	57273.6	.00	-903.9	9:51:51	88
#2	57272.4	.00	-902.7	9:58:31	88

Line: 11+00 S Date: 26 APR 89 #3

POSITION	FIELD	ERR	DRIFT	TIME	DS
6+50 W	35642.2	2.7	-901.6	10:00:37	22
	3971.5				
6+25 W	54465.6	.50	-899.3	10:01:42	32
	6339.9				
6+00 W	54943.4	1.0	-900.5	10:02:16	32
	5431.7				
5+75 W	52973.2	1.3	-901.4	10:02:52	32
	9395.4				
5+50 W	50860.4	1.0	-902.5	10:03:34	32
	3540.4				
5+25 W	52143.4	.79	-904.0	10:04:06	32
	929.5				
5+00 W	55235.7	.97	-904.6	10:04:37	32
	4592.5				
4+75 W	51415.1	1.1	-907.2	10:05:09	32
	2285.2				
4+50 W	49100.4	.99	-908.9	10:05:39	32
	6719.0				
4+25 W	42479.7	1.6	-913.1	10:06:47	22
	9689.5				
4+00 W	52600.4	.86	-912.4	10:07:25	32
	9201.6				
3+75 W	53839.2	.79	-913.7	10:08:07	32
	7389.8				
3+50 W	42931.0	1.3	-913.2	10:08:42	22
	9645.1				
3+25 W	53700.4	2.5	-914.3	10:09:15	32
	7885.9				
3+00 W	40039.3	.95	-913.3	10:09:46	32
	6026.7				
2+75 W	44083.7	.75	-912.6	10:10:18	32
	7708.6				
2+50 W	53226.8	1.0	-912.3	10:10:49	32
	9258.7				
2+25 W	51450.8	.95	-911.6	10:11:23	32
	2704.5				
2+00 W	41397.1	1.5	-911.2	10:11:56	22
	2478.5				

1+75	W	56267.8	.68	-910.2	10:12:30	32
		3178.2				
1+50	W	40123.9	.62	-908.5	10:13:02	32
		5287.8				
1+25	W	42980.5	.91	-907.3	10:13:37	32
		9344.0				
1+00	W	52286.6	.93	-907.7	10:14:13	32
		808.8				
0+75	W	48490.9	3.7	-908.2	10:14:49	22
		8668.3				
0+50	W	42319.4	1.1	-907.4	10:15:21	22
		926.1				
0+25	W	54097.6	.50	-910.7	10:16:01	32
		8606.1				
0+00	E	53887.0	1.8	-913.8	10:16:44	32
		7773.2				

Line: 9+00 S Date: 26 APR 89 #30

POSITION		FIELD	ERR	DRIFT	TIME	DS
0+00	E	39548.6	2.0	-907.9	10:20:29	22
		9557.1				
0+25	W	55145.5	.56	-909.1	10:22:12	32
		959.1				
0+50	W	63199.2	1.2	-909.1	10:23:39	32
		-7396.4				
0+75	W	37096.6	1.2	-909.2	10:24:29	22
		3054.9				
1+00	W	44654.5	.65	-909.8	10:25:12	32
		7336.0				
1+25	W	52522.0	1.1	-909.7	10:25:53	32
		1273.6				
1+50	W	51620.4	.98	-909.4	10:26:33	32
		3092.2				
1+75	W	54675.3	.66	-908.3	10:27:09	32
		9893.8				
2+00	W	39876.7	.72	-909.1	10:27:40	32
		9918.4				
2+25	W	45329.8	.39	-909.3	10:28:14	32
		957.1				
2+50	W	51911.6	.86	-908.0	10:28:49	32
		781.1				
2+75	W	52696.0	1.3	-907.4	10:29:33	32
		78.1				
3+00	W	54972.4	1.4	-905.1	10:30:15	32
		6964.0				
3+25	W	39292.9	.74	-904.5	10:30:51	32
		7072.4				
3+50	W	43995.4	.52	-903.9	10:31:25	32
		6978.2				
3+75	W	41714.0	.85	-904.9	10:31:59	32
		1388.6				
4+00	W	46298.7	.94	-905.3	10:32:38	32
		2078.9				
4+25	W	42110.2	.94	-904.0	10:33:14	32
		544.4				
4+50	W	43967.3	1.0	-905.4	10:33:52	32
		6966.2				
4+75	W	42365.4	.94	-906.2	10:34:50	32
		578.6				
5+00	W	42658.9	.68	-902.1	10:36:08	32
		305.0				
5+25	W	42279.0	.95	-903.2	10:37:07	32
		907.7				
5+50	W	56706.0	1.3	-899.7	10:38:16	32
		2229.1				
5+75	W	41896.0	.63	-898.6	10:40:19	32

		1584.8				
6+00	W	44201.5	.93	-899.4	10:41:00	32
		7025.5				
6+25	W	53438.5	1.2	-899.4	10:41:38	32
		8714.3				
6+50	W	53093.4	1.9	-898.2	10:42:23	32
		9169.7				
6+75	W	50089.9	1.7	-897.7	10:43:32	32
		5247.0				
7+00	W	40145.5	1.3	-898.0	10:44:09	22
		5127.8				
7+25	W	45310.9	1.2	-898.9	10:44:42	32
		5102.1				
7+50	W	54501.1	1.2	-898.1	10:45:18	32
		6380.1				
7+75	W	41689.3	.86	-897.2	10:45:49	32
		1870.7				
8+00	W	45058.9	.78	-896.5	10:46:29	32
		5164.2				
8+25	W	53233.2	1.1	-896.5	10:47:06	32
		9025.2				
8+50	W	42488.0	.84	-895.7	10:48:05	32
		209.6				
8+75	W	53832.9	.68	-896.4	10:48:54	32
		7745.5				
9+00	W	42483.7	1.2	-899.8	10:49:30	32
		345.2				
9+25	W	54499.9	.58	-902.8	10:50:05	32
		6357.6				
9+50	W	44171.2	1.1	-904.5	10:50:52	32
		7032.2				
9+75	W	42263.7	2.1	-902.7	10:51:52	22
		837.3				
10+00	W	55501.4	1.1	-899.7	10:53:12	33
		4438.9				
10+25	W	51562.8	.84	-900.6	10:54:07	32
		2337.1				
10+50	W	42712.3	2.0	-901.5	10:54:57	22
		144.2				
10+75	W	41981.4	1.0	-901.0	10:55:57	32
		1507.9				
11+00	W	57758.3	.02	-900.4	10:56:46	88
		4.8				
11+25	W	41318.8	.72	-901.1	10:57:43	32
		2825.1				
11+50	W	54389.0	.75	-899.0	10:58:38	32
		6683.8				
11+75	W	57754.3	.04	-898.9	10:59:17	78
		4.2				
12+00	W	50040.5	.92	-898.2	10:59:58	32
		5394.0				
12+25	W	57728.8	.02	-898.2	11:00:40	88
		1.8				
12+50	W	57748.7	.03	-897.2	11:01:23	88
		-2.6				
12+75	W	57818.7	.03	-896.5	11:02:15	88
		15.4				
13+00	W	57774.3	.02	-895.7	11:03:08	88
		-6.9				

Line: 11+00 S Date: 26 APR 89 #83

POSITION		FIELD	ERR	DRIFT	TIME	DS
13+00	W	57763.8	.03	-899.9	11:08:18	88
		-2.5				
12+75	W	57751.2	.03	-896.7	11:10:26	88
		-2.3				

POSITION		FIELD	ERR	DRIFT	TIME	DS
12+50	W	57782.9	.03	-892.7	11:13:42	88
		2.7				
12+25	W	57764.1	.03	-892.3	11:14:21	88
		2.6				
12+00	W	57776.0	.03	-890.1	11:15:01	88
		4.3				
11+75	W	57712.1	.03	-888.1	11:15:49	88
		-7.8				
11+50	W	49184.6	1.6	-886.0	11:16:34	32
		7092.0				
11+25	W	57708.3	.03	-884.4	11:17:10	88
		-3.4				
11+00	W	53377.1	1.8	-883.8	11:17:42	32
		8725.3				
10+75	W	53671.1	.92	-883.5	11:18:17	32
		8089.9				
10+50	W	52943.3	1.2	-884.6	11:18:53	32
		9533.5				
10+25	W	57708.3	.02	-885.2	11:19:27	88
		-0.2				
10+00	W	51487.3	1.4	-885.0	11:20:00	32
		2470.6				
9+75	W	42281.2	1.1	-884.0	11:20:31	32
		826.0				
9+50	W	41161.8	.59	-884.8	11:21:03	32
		3132.6				
9+25	W	42500.7	.94	-884.6	11:21:36	32
		406.5				
9+00	W	55172.1	.58	-883.7	11:22:07	32
		5065.2				
8+75	W	57674.8	.03	-886.8	11:22:38	88
		1.6				
8+50	W	57646.8	.20	-885.4	11:23:09	48
		3.7				
8+25	W	40108.0	1.6	-884.2	11:23:43	22
		5163.3				
8+00	W	57616.5	.03	-885.8	11:24:45	88
		3.1				
7+75	W	57601.0	.02	-887.7	11:25:28	88
		-8.4				
7+50	W	49293.7	1.7	-890.2	11:26:02	22
		6766.5				
7+25	W	57633.6	.03	-892.6	11:26:35	88
		2.5				
7+00	W	57614.1	.03	-893.6	11:27:07	88
		-0.7				
6+75	W	57630.5	.02	-892.6	11:27:42	88
		-1.8				

Line: 7+00 S Date: 26 APR 89 #109

POSITION		FIELD	ERR	DRIFT	TIME	DS
6+75	W	39313.2	1.0	-904.4	11:58:09	22
		6698.6				
6+50	W	54563.7	.79	-904.4	11:59:13	32
		6449.8				
6+25	W	40853.4	.95	-903.4	12:00:03	32
		3734.0				
6+00	W	54132.5	.89	-902.6	12:00:42	32
		7006.5				
5+75	W	54016.9	1.7	-902.0	12:01:15	32
		7145.4				
5+50	W	51784.6	2.3	-901.1	12:01:48	22
		1901.0				
5+25	W	52598.9	1.2	-901.7	12:02:20	32
		213.4				
5+00	W	40223.6	1.0	-903.2	12:02:53	32

		4688.0				
4+75	W	43005.5	.85	-901.5	12:03:28	32
		9453.9				
4+50	W	44954.3	1.3	-901.9	12:04:00	32
		5375.1				
4+25	W	43695.9	1.5	-901.7	12:04:32	22
		7857.4				
4+00	W	54129.6	.70	-901.8	12:05:03	32
		6760.6				
3+75	W	52271.2	1.5	-901.6	12:05:37	32
		405.7				
3+50	W	52108.2	.77	-901.0	12:06:10	32
		383.6				
3+25	W	42539.9	1.9	-897.5	12:08:54	22
		9223.7				
3+00	W	44228.7	.88	-897.5	12:10:06	32
		5088.6				
2+75	W	40914.3	.56	-897.5	12:11:08	32
		2031.7				
2+50	W	43573.4	.68	-897.1	12:11:47	32
		9204.9				
2+25	W	55221.6	1.3	-896.3	12:12:18	32
		6966.0				
2+00	W	40191.4	.68	-896.1	12:12:52	32
		7218.0				
1+75	W	55264.6	.70	-895.1	12:13:28	32
		5794.4				
1+50	W	44121.8	1.2	-894.0	12:14:38	32
		7428.4				
1+25	W	55389.1	.62	-893.6	12:15:36	32
		4092.3				
1+00	W	41713.5	1.7	-893.2	12:16:10	22
		5670.9				
0+75	W	42795.6	.78	-892.6	12:16:46	32
		3137.1				
0+50	W	56729.5	.78	-891.6	12:17:34	32
		5033.0				
0+25	W	59189.2	.03	-891.3	12:18:50	88
		31.3				
0+00	E	58308.4	.66	-890.6	12:19:25	88
		-283.6				

Line: 5+00 S Date: 26 APR 89 #137

POSITION		FIELD	ERR	DRIFT	TIME	DS
0+00	E	57422.7	.04	-884.2	12:25:06	88
		-37.9				
0+25	W	57792.0	.02	-882.4	12:26:02	88
		-6.1				
0+50	W	58371.8	.04	-881.3	12:26:44	88
		95.0				
0+75	W	50660.4	2.1	-879.9	12:27:36	22
		3691.1				
1+00	W	58657.4	.02	-879.3	12:28:14	88
		15.2				
1+25	W	59628.3	.04	-879.4	12:28:54	88
		112.5				
1+50	W	59495.7	.04	-879.4	12:29:34	88
		170.2				
1+75	W	58913.8	.04	-880.5	12:30:08	88
		139.2				
2+00	W	57490.2	.05	-880.8	12:30:47	88
		-77.0				
2+25	W	57738.0	.02	-880.0	12:31:25	88
		27.1				
2+50	W	57418.5	.03	-879.5	12:32:03	88
		-3.0				

```
 2+75 W 57456.3 .02  -878.9 12:32:48 88
          -6.2
 3+00 W 57600.6 .02  -878.2 12:33:30 88
          -8.5
 3+25 W 41117.6 .79  -877.0 12:34:35 32
        3178.6
 3+50 W 57856.9 .03  -876.8 12:35:33 88
          -0.7
 3+75 W 57907.0 .02  -876.2 12:36:11 88
         -22.4
 4+00 W 58157.2 .04  -876.0 12:36:51 88
          73.6
 4+25 W 58028.4 .03  -874.4 12:37:33 88
          33.1
 4+50 W 57887.4 .03  -872.4 12:38:11 88
           5.9
 4+75 W 57751.2 .03  -870.0 12:38:43 88
         -13.3
 5+00 W 57744.2 .02  -870.2 12:39:14 88
         -10.2
 5+25 W 57716.2 .02  -868.0 12:39:48 88
          -4.7
 5+50 W 57846.4 .03  -865.9 12:40:21 88
          11.9
 5+75 W 57918.1 .02  -863.8 12:40:56 88
          15.9
 6+00 W 57678.1 .03  -862.9 12:41:30 88
          -8.7
 6+25 W 57662.1 .02  -862.5 12:42:16 88
         -10.5
 6+50 W 57669.5 .02  -863.2 12:43:00 88
          -8.3
 6+75 W 57770.7 .03  -856.7 12:43:36 88
          10.7
 7+00 W 57741.3 .02  -853.2 12:44:15 88
          -3.1
 7+25 W 57888.7 .02  -848.3 12:45:15 88
          21.1
 7+50 W 57721.9 .03  -838.4 12:47:24 88
          -4.7
 7+75 W 57601.7 .02  -835.2 12:48:12 88
         -12.7
 8+00 W 57661.6 .02  -833.4 12:48:54 88
          -9.6
 8+25 W 57699.0 .03  -833.4 12:50:10 88
          -3.8
 8+50 W 57773.1 .03  -832.6 12:51:08 88
           3.5
 8+75 W 57815.9 .02  -831.1 12:52:02 88
          -5.4
 9+00 W 57814.3 .03  -830.8 12:52:53 88
          -4.5
 9+25 W 57875.0 .02  -831.1 12:53:35 88
          12.7
 9+50 W 57931.7 .04  -830.4 12:54:18 88
          26.9
 9+75 W 57767.0 .03  -828.5 12:55:28 88
          -1.2
10+00 W 57832.7 .02  -828.2 12:56:09 88
           1.9
10+25 W 57831.6 .03  -827.0 12:56:51 88
          -1.3
10+50 W 38656.2 2.7  -822.4 13:00:35 22
        8255.6
10+75 W 54276.8 .62  -820.0 13:01:28 32
        6987.2
```

11+00	W	57795.1	.03	-816.6	13:02:38	88
		4.0				
11+25	W	57797.0	.03	-816.8	13:04:21	88
		-0.5				
11+50	W	57770.7	.02	-816.1	13:05:11	88
		-1.0				
11+75	W	57781.2	.03	-815.3	13:05:55	88
		6.0				
12+00	W	57745.0	.02	-815.6	13:06:34	88
		-5.8				
12+25	W	57778.1	.03	-814.6	13:07:14	88
		0.8				
12+50	W	57783.4	.02	-812.3	13:08:12	88
		3.1				
12+75	W	49191.5	1.3	-809.4	13:09:13	32
		7345.7				
13+00	W	40160.2	.81	-806.3	13:10:02	32
		5317.7				

Line: 7+00 S Date: 26 APR 89 #190

POSITION		FIELD	ERR	DRIFT	TIME	DS
13+00	W	43426.4	.74	-818.9	13:20:48	32
		8873.4				
12+75	W	54188.4	.57	-818.1	13:21:58	32
		7243.0				
12+50	W	39236.2	.86	-817.0	13:22:43	32
		7150.8				
12+25	W	44005.4	1.5	-816.9	13:23:27	32
		7577.7				
12+00	W	43995.8	1.3	-818.3	13:24:31	22
		7701.9				
11+75	W	41884.5	1.1	-819.8	13:25:12	32
		1820.7				
11+50	W	54970.8	1.1	-821.1	13:26:11	32
		5526.8				
11+25	W	41738.1	1.2	-821.0	13:26:50	32
		2002.9				
11+00	W	41909.8	.73	-819.7	13:27:42	32
		1660.2				
10+75	W	54111.8	.68	-816.5	13:29:09	32
		7244.3				
10+50	W	42859.7	1.0	-816.0	13:29:46	32
		9810.2				
10+25	W	39217.6	1.0	-816.1	13:30:23	32
		7061.6				
10+00	W	54373.6	.59	-817.4	13:31:03	33
		6718.3				
9+75	W	41810.0	.86	-818.7	13:31:41	32
		1906.4				
9+50	W	52480.2	1.1	-819.5	13:32:25	32
		441.2				
9+25	W	40911.6	1.6	-820.0	13:33:18	22
		3594.1				
9+00	W	55430.3	.53	-821.3	13:34:37	32
		4782.9				
8+75	W	38315.7	1.7	-818.9	13:35:35	22
		8973.4				
8+50	W	44190.8	.94	-818.1	13:36:15	32
		7212.3				
8+25	W	43051.0	1.3	-817.0	13:36:52	32
		9429.7				
8+00	W	55415.0	1.1	-817.1	13:37:27	32
		4613.0				
7+75	W	39918.0	1.1	-817.0	13:38:02	22
		5552.5				
7+50	W	43074.3	.68	-816.8	13:38:35	32

```
          9104.5
  7+25 W 54575.9 1.4   -817.5 13:39:14 32
          6177.1
  7+00 W 53205.0 1.6   -817.5 13:40:20 32
          8890.5

Checksum Error! Record #215

Line:    0+00 N    Date: 26 APR 89    #215
POSITION  FIELD  ERR    DRIFT    TIME    DS
  0+00 E      0.0 .00      0.0  0:00:00  0
              0.0

EOF
```

EDA OMNI-IV Tie-line MAG Ser #18120
TOTAL FIELD DATA (Base stn. corrected)
% GRADIENT
Date: 26 APR 89
Operator: 5002
Reference field: 58564.0
Datum subtracted: 0.0
Records: 212
Bat: 16.6 Volt Lithium: 3.48 Volt
Last time update: 4/26 9:05:00
Start of print: 4/26 19:47:47

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/26 9:05:00
Start of print: 4/26 19:47:48

#1 57272.8 .00 -903.1 9:50:00 88

Line: 10+00 S Date: 26 APR 89 #2

POSITION	FIELD	ERR	DRIFT	TIME	DS
6+50 W	57670.4	.08	-906.3	9:53:36	85
	1.4				
6+25 W	57699.0	.03	-902.5	9:56:12	88
	-2.5				
6+00 W	57773.9	.04	-899.4	10:01:51	88
	7.0				
5+75 W	57683.4	.03	-901.5	10:02:38	88
	5.3				
5+50 W	57664.3	.03	-902.4	10:03:24	88
	8.2				
5+25 W	57576.9	.03	-903.6	10:04:00	88
	1.8				
5+00 W	57786.7	.06	-904.4	10:04:32	88
	24.6				
4+75 W	57573.0	.03	-906.9	10:05:04	88
	6.5				
4+50 W	57424.8	.05	-908.9	10:05:36	88
	-22.5				
4+25 W	57599.2	.06	-910.8	10:06:10	88
	21.5				
4+00 W	57512.3	.08	-913.3	10:06:48	88
	81.4				
3+75 W	57232.3	.08	-912.6	10:07:23	88
	-47.4				
3+50 W	57953.0	.08	-913.9	10:08:29	88
	-99.5				
3+25 W	60080.1	.11	-914.1	10:09:06	88
	355.0				
3+00 W	58979.8	.04	-913.4	10:09:40	88
	6.9				
2+75 W	59570.1	.03	-912.7	10:10:14	88
	1.7				
2+50 W	59057.3	.08	-912.3	10:10:48	88
	-43.9				
2+25 W	58575.6	.05	-911.6	10:11:24	88
	-18.6				
2+00 W	58442.1	.04	-911.2	10:12:02	88
	-1.5				
1+75 W	58083.3	.06	-910.1	10:12:33	88

	-37.0				
1+50 W	58167.6	.04	-908.3	10:13:10	88
	-9.5				
1+25 W	58347.1	.04	-907.1	10:13:40	88
	14.5				
1+00 W	58228.1	.06	-907.8	10:14:14	88
	-39.6				
0+75 W	59044.8	.05	-908.2	10:14:48	88
	31.9				
0+50 W	59126.0	.04	-907.4	10:15:20	88
	6.6				
0+25 W	58636.1	.03	-913.3	10:16:37	88
	-3.5				
0+00 E	58283.2	.04	-914.1	10:17:13	88
	7.1				

Line: 8+00 S Date: 26 APR 89 #29

POSITION	FIELD	ERR	DRIFT	TIME	DS
0+00 E	59040.9	.03	-909.1	10:23:54	88
	-16.6				
0+25 W	59657.9	.10	-909.3	10:24:58	88
	158.3				
0+50 W	58273.5	.09	-909.5	10:26:08	88
	-144.6				
0+75 W	58429.9	.03	-908.4	10:27:25	88
	-3.6				
1+00 W	58871.3	.05	-909.8	10:28:03	88
	-12.5				
1+25 W	58847.3	.09	-908.2	10:28:40	88
	-115.4				
1+50 W	59919.8	.07	-907.4	10:29:14	88
	52.0				
1+75 W	60006.0	.08	-906.7	10:29:44	88
	262.0				
2+00 W	57095.2	.08	-904.8	10:30:34	88
	-102.3				
2+25 W	57444.6	.08	-903.2	10:31:13	88
	-49.7				
2+50 W	58007.3	.06	-905.0	10:31:56	88
	-30.2				
2+75 W	57735.5	.09	-905.4	10:32:27	88
	-49.5				
3+00 W	57347.6	.09	-904.5	10:32:58	88
	-52.1				
3+25 W	56699.3	.05	-904.4	10:33:32	88
	-14.7				
3+50 W	56809.3	.04	-906.2	10:34:07	88
	-3.5				
3+75 W	57077.9	.05	-906.2	10:34:40	88
	-19.4				
4+00 W	57322.7	.03	-903.6	10:36:54	88
	6.4				
4+25 W	57546.9	.04	-898.9	10:39:55	88
	3.6				
4+50 W	57617.6	.03	-899.2	10:41:16	88
	3.9				
4+75 W	57718.0	.03	-899.0	10:41:51	88
	5.3				
5+00 W	57787.8	.04	-898.2	10:42:26	88
	14.4				
5+25 W	57781.6	.03	-896.7	10:42:57	88
	5.9				
5+50 W	57782.4	.03	-897.6	10:43:27	88
	9.3				
5+75 W	57701.9	.03	-898.0	10:43:55	88
	-1.2				

6+00 W	57718.7	.03	-898.5	10:44:24	88
	1.4				
6+25 W	57824.8	.03	-898.7	10:44:52	88
	13.6				
6+50 W	57868.6	.05	-898.1	10:45:21	88
	20.9				
6+75 W	57785.6	.04	-897.2	10:45:48	88
	8.9				
7+00 W	57703.9	.03	-896.6	10:46:22	88
	4.7				
7+25 W	57716.0	.03	-896.4	10:46:52	88
	5.7				
7+50 W	57700.0	.03	-896.5	10:47:20	88
	0.5				
7+75 W	57685.8	.03	-895.7	10:47:55	88
	0.3				
8+00 W	57606.4	.03	-899.0	10:49:22	88
	-6.3				
8+25 W	57725.0	.03	-904.6	10:50:34	88
	9.8				
8+50 W	57648.0	.03	-902.6	10:51:55	88
	-4.5				
8+75 W	57741.6	.03	-899.9	10:53:07	88
	4.6				
9+00 W	57754.1	.03	-900.5	10:54:02	88
	3.3				
9+25 W	57787.3	.03	-901.8	10:55:03	88
	5.0				
9+50 W	57766.7	.03	-900.8	10:55:47	88
	6.4				
9+75 W	57713.9	.03	-900.6	10:56:36	88
	3.5				
10+00 W	57708.0	.03	-900.8	10:57:49	88
	-0.6				
10+25 W	57734.3	.03	-898.8	10:58:45	88
	-0.4				
10+50 W	57787.7	.04	-898.9	10:59:24	88
	11.5				
10+75 W	57779.6	.04	-898.1	11:00:00	88
	12.6				
11+00 W	57727.0	.03	-898.3	11:00:39	88
	-2.6				
11+25 W	57727.9	.03	-895.9	11:02:56	88
	-3.9				
11+50 W	57760.4	.03	-895.1	11:04:12	88
	-0.1				
11+75 W	57765.9	.03	-897.2	11:05:06	88
	4.2				
12+00 W	57763.5	.03	-900.3	11:05:52	88
	4.1				
12+25 W	57702.1	.04	-901.3	11:06:41	88
	-6.1				
12+50 W	57877.0	.03	-900.9	11:07:54	88
	9.0				
12+75 W	57971.2	.04	-899.6	11:08:37	88
	17.1				
13+00 W	57873.5	.04	-897.7	11:09:16	88
	3.9				

Line: 10+00 S Date: 26 APR 89 #82

POSITION	FIELD	ERR	DRIFT	TIME	DS
13+00 W	57802.9	.03	-893.5	11:12:43	88
	2.7				
12+75 W	57760.6	.03	-892.7	11:13:42	88
	0.9				
12+50 W	57772.0	.04	-892.5	11:14:15	88

		3.4				
12+25	W	57773.3	.04	-891.0	11:14:46	88
		5.6				
12+00	W	57747.9	.04	-889.6	11:15:19	88
		4.5				
11+75	W	57695.7	.03	-888.1	11:15:48	88
		-0.5				
11+50	W	57699.7	.03	-887.3	11:16:18	88
		2.9				
11+25	W	57723.3	.04	-885.1	11:16:50	88
		0.3				
11+00	W	57725.6	.03	-884.2	11:17:20	88
		3.8				
10+75	W	57747.5	.03	-883.6	11:17:53	88
		4.3				
10+50	W	57756.2	.03	-883.6	11:18:24	88
		2.7				
10+25	W	57774.7	.04	-884.8	11:19:00	88
		7.5				
10+00	W	57771.1	.04	-885.2	11:19:32	88
		9.6				
9+75	W	57714.7	.03	-884.9	11:20:05	88
		4.3				
9+50	W	57743.5	.03	-884.1	11:20:34	88
		6.9				
9+25	W	57709.7	.03	-885.2	11:21:12	88
		2.1				
9+00	W	57710.5	.04	-884.2	11:21:47	88
		1.4				
8+75	W	57696.0	.03	-885.3	11:22:19	88
		3.6				
8+50	W	57643.3	.03	-886.6	11:22:48	88
		0.9				
8+25	W	57694.6	.03	-884.4	11:23:23	88
		3.6				
8+00	W	57620.7	.03	-883.6	11:24:09	88
		-0.2				
7+75	W	57680.0	.04	-886.6	11:25:07	88
		4.0				
7+50	W	57706.7	.04	-888.7	11:25:43	88
		6.5				
7+25	W	57694.2	.03	-891.6	11:26:22	88
		3.7				
7+00	W	57694.1	.04	-893.4	11:26:54	88
		2.7				
6+75	W	57747.6	.03	-893.1	11:27:32	88
		6.7				
6+50	W	57662.0	.03	-904.0	11:58:54	88
		4.2				

Line: 6+00 S Date: 26 APR 89 #109

POSITION		FIELD	ERR	DRIFT	TIME	DS
6+50	W	57662.5	.03	-904.3	11:59:15	88
		4.6				
6+25	W	57667.7	.03	-903.1	12:00:27	88
		4.2				
6+00	W	57670.0	.03	-902.2	12:01:02	88
		3.7				
5+75	W	57663.2	.03	-901.5	12:01:36	88
		2.6				
5+50	W	57653.9	.03	-901.1	12:02:12	88
		1.1				
5+25	W	57653.9	.03	-902.9	12:02:44	88
		-0.3				
5+00	W	57646.9	.03	-901.2	12:03:20	88
		-1.0				

4+75 W	57684.6	.03	-901.8	12:04:06	88
	3.9				
4+50 W	57674.9	.03	-901.8	12:04:45	88
	7.1				
4+25 W	57658.7	.03	-901.0	12:06:10	88
	4.8				
4+00 W	57648.3	.03	-900.2	12:06:47	88
	0.9				
3+75 W	57626.0	.03	-899.9	12:07:18	88
	6.3				
3+50 W	57609.4	.03	-898.7	12:07:49	88
	3.1				
3+25 W	57520.0	.03	-898.2	12:08:19	88
	-3.8				
3+00 W	57515.1	.03	-897.5	12:08:52	88
	7.3				
2+75 W	57336.6	.04	-897.0	12:09:23	88
	-1.4				
2+50 W	57540.5	.08	-897.7	12:10:18	88
	56.2				
2+25 W	57386.4	.07	-897.4	12:10:56	88
	-36.0				
2+00 W	57551.6	.06	-897.4	12:11:32	88
	-18.2				
1+75 W	57773.5	.03	-896.3	12:12:09	88
	-4.8				
1+50 W	57557.4	.06	-895.3	12:13:20	88
	-32.4				
1+25 W	57699.4	.07	-894.0	12:14:11	88
	-31.9				
1+00 W	58274.9	.05	-894.0	12:14:47	88
	41.0				
0+75 W	57732.9	.09	-893.8	12:15:26	88
	-66.9				
0+50 W	58481.1	.04	-893.2	12:16:06	88
	14.4				
0+25 W	57066.9	.10	-892.8	12:16:41	88
	-138.7				
0+00 E	57229.0	.10	-891.8	12:17:22	88
	-74.9				

Line: 4+00 S Date: 26 APR 89 #136

POSITION	FIELD	ERR	DRIFT	TIME	DS
0+00 E	57910.2	.04	-880.7	12:27:15	88
	-2.5				
0+25 W	57867.5	.03	-879.3	12:29:27	88
	1.2				
0+50 W	58030.0	.03	-881.0	12:30:26	88
	-2.2				
0+75 W	58394.6	.06	-880.5	12:31:06	88
	35.2				
1+00 W	58256.4	.06	-879.5	12:32:09	88
	38.0				
1+25 W	57655.5	.04	-878.9	12:32:50	88
	-5.9				
1+50 W	57905.7	.03	-878.2	12:34:01	88
	7.2				
1+75 W	59165.4	.05	-877.0	12:34:35	88
	42.5				
2+00 W	57810.1	.08	-877.1	12:35:11	88
	-40.5				
2+25 W	58119.7	.05	-876.2	12:36:09	88
	32.9				
2+50 W	57836.0	.04	-876.2	12:36:43	88
	0.2				
2+75 W	57743.6	.03	-874.9	12:37:21	88

2.1
3+00 W 57720.1 .03 -873.6 12:37:55 88
-0.9
3+25 W 57768.9 .03 -870.8 12:38:31 88
0.4
3+50 W 57732.8 .04 -870.3 12:39:06 88
-12.5
3+75 W 57788.5 .03 -868.4 12:39:43 88
5.2
4+00 W 57693.2 .04 -866.1 12:40:18 88
-14.3
4+25 W 57927.7 .03 -863.8 12:40:54 88
-14.1
4+50 W 57958.0 .06 -861.8 12:41:54 88
-40.5
4+75 W 57913.3 .04 -863.5 12:42:28 88
-3.2
5+00 W 57916.0 .03 -863.2 12:43:01 88
2.1
5+25 W 57729.8 .04 -853.3 12:44:13 88
-9.1
5+50 W 57804.0 .03 -846.9 12:45:22 88
5.5
5+75 W 57773.5 .04 -841.4 12:46:12 88
16.7
6+00 W 57732.2 .03 -840.0 12:46:51 88
4.9
6+25 W 57751.7 .03 -837.9 12:47:32 88
0.0
6+50 W 57796.0 .03 -835.3 12:48:10 88
7.4
6+75 W 57729.6 .03 -833.8 12:48:44 88
2.6
7+00 W 57734.0 .03 -832.9 12:49:17 88
3.4
7+25 W 57714.8 .03 -833.5 12:49:51 88
5.4
7+50 W 57670.9 .03 -833.3 12:50:45 88
-6.1
7+75 W 57776.8 .03 -830.9 12:52:12 88
7.6
8+00 W 57798.5 .03 -831.1 12:53:43 88
2.0
8+25 W 57810.2 .03 -828.5 12:55:29 88
5.2
8+50 W 57851.4 .04 -828.1 12:57:47 88
10.2
8+75 W 57832.0 .04 -825.7 12:59:10 88
5.3
9+00 W 57827.9 .04 -824.4 12:59:50 88
-2.1
9+25 W 57885.8 .04 -822.5 13:00:30 88
4.2
9+50 W 57890.8 .04 -821.2 13:01:10 88
5.9
9+75 W 58010.1 .04 -818.9 13:01:47 88
12.7
10+00 W 57985.5 .04 -817.4 13:02:24 88
5.4
10+25 W 57945.5 .04 -815.7 13:03:15 88
5.7
10+50 W 57947.4 .04 -816.4 13:05:21 88
9.1
11+25 W 57770.0 .04 -814.5 13:07:34 88
4.0
11+50 W 57763.1 .03 -808.9 13:09:19 88

		1.9				
11+75	W	57762.7	.03	-806.3	13:10:11	88
		2.8				
12+00	W	57762.2	.03	-805.3	13:11:04	88
		10.1				
12+25	W	57734.4	.03	-806.7	13:12:32	88
		2.7				
12+50	W	57743.1	.03	-809.9	13:13:58	88
		8.4				
12+75	W	57797.2	.03	-810.5	13:15:07	88
		13.3				
13+00	W	57813.0	.04	-812.8	13:16:17	88
		2.5				

Line: 6+00 S Date: 26 APR 89 #187

POSITION		FIELD	ERR	DRIFT	TIME	DS
13+00	W	57798.6	.04	-818.4	13:21:51	88
		-4.6				
12+75	W	57826.3	.03	-817.2	13:22:58	88
		7.8				
12+50	W	57814.7	.04	-818.2	13:24:14	88
		-6.3				
12+25	W	57824.1	.04	-820.4	13:25:32	88
		10.2				
12+00	W	57809.6	.03	-821.1	13:26:34	88
		6.5				
11+75	W	57824.1	.03	-820.5	13:27:12	88
		0.2				
11+50	W	57861.9	.05	-818.7	13:27:55	88
		14.9				
11+25	W	57754.7	.04	-816.7	13:29:04	88
		4.3				
11+00	W	57775.5	.03	-815.9	13:29:51	88
		3.0				
10+75	W	57744.3	.03	-817.6	13:31:08	88
		1.9				
10+50	W	57766.9	.03	-818.9	13:31:47	88
		5.9				
10+25	W	57765.1	.03	-819.6	13:32:31	88
		4.7				
10+00	W	57763.0	.03	-820.1	13:33:11	88
		6.7				
9+75	W	57755.1	.03	-820.8	13:33:52	88
		3.6				
9+50	W	57753.2	.03	-821.1	13:34:42	88
		2.2				
9+25	W	57760.4	.04	-818.9	13:35:26	88
		13.5				
9+00	W	57721.2	.03	-817.7	13:36:28	88
		-1.2				
8+75	W	57892.3	.03	-816.8	13:37:01	88
		9.8				
8+50	W	57863.2	.04	-817.2	13:37:37	88
		6.1				
8+25	W	57799.6	.07	-817.0	13:38:02	88
		38.1				
8+00	W	57742.3	.04	-816.8	13:38:25	88
		3.2				
7+75	W	57657.7	.03	-817.2	13:39:01	88
		-1.2				
7+50	W	57663.9	.03	-817.2	13:39:41	88
		-3.2				
7+25	W	57591.3	.04	-817.6	13:40:27	88
		-10.0				
7+00	W	57814.5	.04	-821.8	13:42:20	88
		15.8				

```
   6+75 W 57675.4 .03   -823.0 13:42:57 88
                3.4

Checksum Error! Record #213

Line:    0+00 N    Date: 26 APR 89    #213
POSITION  FIELD  ERR    DRIFT    TIME    DS
  0+00 E      0.0 .00      0.0  0:00:00   0
              0.0


EOF
```

EDA OMNI-IV Tie-line MAG Ser #18035
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 28 APR 89
Operator: 5001
Reference field: 58564.0
Datum subtracted: 0.0
Records: 158
Bat: 17.8 Volt Lithium: 3.46 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 15:28:52

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/28 6:40:00
Start of print: 4/28 15:28:53

#1 57274.5 .00 -904.8 9:08:26 88

Line: 3+00 S Date: 28 APR 89 #2

POSITION	FIELD	ERR	DRIFT	TIME	DS
0+00 E	27007.8	32.	-904.7	9:17:57	32
	4238.1				
0+25 W	30181.5	25.	-904.0	9:18:50	32
	3141.7				
0+50 W	31356.8	28.	-903.8	9:19:30	33
	2193.4				
0+75 W	32482.3	32.	-903.9	9:20:05	32
	5366.7				
1+00 W	28839.6	38.	-903.9	9:20:42	22
	7504.8				
1+25 W	31187.6	35.	-903.9	9:21:33	32
	9603.7				
1+50 W	32757.7	37.	-903.6	9:22:14	32
	1844.7				
1+75 W	56449.3	.52	-903.2	9:23:02	32
	2358.9				
2+00 W	43198.9	.86	-902.9	9:25:45	32
	9083.9				
2+25 W	53309.3	.63	-902.4	9:26:36	32
	9616.0				
2+50 W	52006.3	.69	-901.8	9:27:15	32
	2457.6				
2+75 W	43875.8	2.3	-900.9	9:27:50	22
	8521.3				
3+00 W	42876.0	1.0	-900.6	9:28:31	32
	346.9				
3+25 W	43192.6	.75	-901.1	9:29:03	32
	180.8				
3+50 W	52959.4	.53	-901.2	9:29:35	32
	9947.3				
3+75 W	58003.1	.03	-900.8	9:30:09	88
	-0.2				
4+00 W	52751.4	1.9	-900.6	9:30:40	32
	362.9				
4+25 W	57949.3	.02	-901.1	9:31:12	88
	-1.1				
4+50 W	57974.9	.03	-902.0	9:31:50	88
	1.5				
4+75 W	38630.6	1.5	-901.4	9:32:18	22

		8641.0					
5+00	W	56479.9	.76	-902.6	9:32:47	32	
		2914.3					
5+25	W	52894.8	.64	-906.1	9:33:41	32	
		347.6					
5+50	W	53167.0	1.3	-908.2	9:34:24	32	
		9215.3					
5+75	W	53805.8	.84	-908.4	9:35:04	32	
		7827.6					
6+00	W	41214.3	.85	-907.6	9:36:03	32	
		3206.6					
6+25	W	57726.0	.02	-913.1	9:40:01	88	
		-2.3					
6+50	W	49208.6	1.4	-913.9	9:42:59	32	
		7011.7					
6+75	W	51339.8	.48	-914.0	9:43:31	32	
		2955.5					
7+00	W	41999.7	.67	-913.8	9:44:04	32	
		1508.0					
7+25	W	41563.6	.72	-913.8	9:44:36	32	
		2376.5					
7+50	W	44701.3	.62	-913.5	9:45:06	32	
		6062.2					
7+75	W	54533.1	.78	-912.8	9:45:48	32	
		6393.4					
8+00	W	40593.5	1.1	-912.4	9:46:28	32	
		4181.8					
8+25	W	42061.1	.77	-911.7	9:47:20	32	
		1279.6					
8+50	W	57757.6	.03	-911.5	9:48:17	88	
		-1.5					
8+75	W	39551.8	2.1	-909.9	9:49:44	22	
		6502.0					
9+00	W	57803.2	.03	-909.2	9:50:37	88	
		-8.6					
9+25	W	52244.7	1.0	-907.9	9:51:39	32	
		1162.9					
9+50	W	57835.0	.03	-907.8	9:52:28	88	
		1.4					
9+75	W	57819.9	.02	-907.3	9:53:16	88	
		-1.2					
10+00	W	57870.1	.02	-907.1	9:54:13	88	
		5.9					
10+25	W	57883.6	.03	-905.6	9:55:02	88	
		-0.5					
10+50	W	50726.8	1.5	-904.3	9:55:58	32	
		4291.7					
10+75	W	44546.4	.73	-904.5	9:56:53	32	
		6806.1					
11+00	W	55035.2	.84	-904.5	9:57:33	32	
		5857.6					
11+25	W	47885.4	1.8	-903.6	9:58:12	32	
		117.7					
11+50	W	42831.0	1.3	-903.0	9:58:50	32	
		9970.9					
11+75	W	43610.1	1.4	-902.2	9:59:29	32	
		8449.2					
12+00	W	53407.3	.86	-901.9	10:00:03	33	
		8770.2					
12+25	W	52853.1	1.1	-901.7	10:00:42	32	
		9861.8					
12+50	W	40834.5	.67	-901.6	10:01:56	32	
		3840.1					
12+75	W	54480.1	1.1	-899.9	10:02:52	32	
		6578.1					
13+00	W	53640.1	1.2	-899.4	10:03:39	32	

8222.0

Line: 1+00 S Date: 28 APR 89 #55

POSITION	FIELD	ERR	DRIFT	TIME	DS
13+00 W	41930.4	1.2	-897.0	10:09:21	32
	1619.1				
12+75 W	53859.9	1.2	-895.2	10:10:18	32
	7568.9				
12+50 W	40799.7	.64	-893.1	10:12:35	32
	5189.0				
12+25 W	44376.4	.69	-892.2	10:13:35	32
	7538.2				
12+00 W	44760.8	.81	-892.1	10:14:17	32
	6769.5				
11+75 W	44972.8	.81	-890.7	10:15:20	32
	6456.3				
11+50 W	55735.8	.93	-890.2	10:16:16	32
	4814.8				
11+25 W	51182.4	1.2	-888.6	10:17:12	32
	4554.8				
11+00 W	54990.7	1.5	-886.9	10:18:24	32
	5790.3				
10+75 W	53467.6	1.4	-888.5	10:22:05	32
	8918.4				
10+50 W	51330.2	.85	-888.0	10:24:04	32
	2804.4				
10+25 W	52454.9	1.1	-891.2	10:25:35	32
	737.4				
10+00 W	41089.6	.78	-892.4	10:26:27	32
	3550.2				
9+75 W	55460.0	.59	-893.5	10:27:06	32
	4871.3				
9+50 W	52875.9	2.0	-894.2	10:28:09	22
	9896.9				
9+25 W	53003.7	.96	-895.5	10:29:04	32
	9567.0				
9+00 W	40555.6	.87	-897.2	10:30:08	32
	4973.9				
8+75 W	54780.3	1.2	-897.3	10:30:47	32
	8122.4				
8+50 W	51540.6	.80	-897.2	10:31:40	32
	2685.7				
8+25 W	51113.7	.96	-898.1	10:32:43	32
	3273.1				
8+00 W	41466.1	1.5	-898.8	10:33:40	22
	2317.6				
7+75 W	52751.6	1.0	-900.1	10:35:39	32
	9867.1				
7+50 W	50300.2	3.4	-900.0	10:36:48	22
	4903.2				
7+25 W	44247.1	.95	-901.4	10:37:48	32
	7022.6				
7+00 W	54160.0	.58	-901.7	10:38:25	32
	7242.8				
6+75 W	47307.6	.91	-902.3	10:39:22	32
	596.6				
6+50 W	40997.5	1.0	-902.3	10:40:08	32
	3901.5				
6+25 W	55781.4	1.0	-902.5	10:41:19	32
	4758.3				
6+00 W	41425.1	1.4	-902.9	10:42:05	32
	3373.6				
5+75 W	52545.4	.75	-903.2	10:44:56	32
	1092.9				
5+50 W	57803.9	.03	-901.5	10:49:37	88
	1.9				

5+25	W	53242.0 9234.7	.78	-900.4	10:50:21	32
5+00	W	41125.4 3879.6	1.1	-902.0	10:51:25	32
4+75	W	42915.1 1490.9	.80	-901.0	10:52:54	32
4+50	W	58386.1 5.0	.03	-898.5	10:53:47	88
4+25	W	53948.7 8936.5	1.0	-896.8	10:54:48	32
4+00	W	54060.7 8234.9	.75	-895.9	10:55:44	32
3+75	W	40684.5 4300.9	1.3	-900.1	10:56:41	22
3+50	W	53713.6 7940.2	.43	-898.8	10:57:39	32
3+25	W	52987.5 350.9	.87	-898.9	10:59:10	32
3+00	W	42579.4 439.2	1.3	-902.9	11:00:27	32
2+75	W	54386.2 7911.3	.79	-903.3	11:01:09	32
2+50	W	49438.6 7459.9	2.5	-901.5	11:01:46	22
2+25	W	52894.5 390.0	1.0	-902.3	11:02:35	32
2+00	W	52974.5 277.9	.89	-902.4	11:03:20	32
1+75	W	54634.6 6840.5	1.2	-904.1	11:04:18	32
1+50	W	52941.4 638.0	.69	-904.1	11:04:58	32
1+25	W	49866.4 5834.6	1.4	-904.0	11:05:40	32
1+00	W	42940.9 278.7	.65	-904.0	11:06:30	32
0+75	W	53346.5 9658.2	1.2	-903.7	11:07:15	32
0+50	W	40711.8 4389.1	1.1	-902.6	11:07:58	32
0+25	W	55909.1 4507.9	1.7	-901.5	11:08:46	32
0+00	E	42338.7 1892.8	.65	-902.8	11:10:14	32

Line: 1+00 N Date: 28 APR 89 #108

POSITION		FIELD	ERR	DRIFT	TIME	DS
0+00	E	43547.5 9909.1	.65	-878.9	12:23:23	32
0+25	W	42744.0 1180.0	.75	-878.6	12:24:28	32
0+50	W	45341.5 6284.2	.88	-878.4	12:25:14	32
0+75	W	58064.6 5869.8	.60	-877.9	12:25:54	32
1+00	W	48550.5 212.7	1.5	-878.8	12:26:48	32
1+25	W	41497.7 2552.0	2.3	-880.8	12:27:31	22
1+50	W	45456.4 4868.9	.68	-882.1	12:28:20	32
1+75	W	53934.0 7779.2	1.0	-882.4	12:29:02	32
2+00	W	57577.9 -28.1	.03	-882.1	12:30:24	88
2+25	W	52873.2	1.3	-882.2	12:31:16	32

		284.4				
2+50	W	37941.7	1.2	-881.3	12:31:55	32
		814.4				
2+75	W	43821.4	.69	-882.4	12:32:32	32
		8371.4				
3+00	W	42286.6	1.3	-882.3	12:33:10	32
		1366.6				
3+25	W	44051.1	.97	-882.3	12:33:51	32
		8153.1				
3+50	W	43736.4	.87	-881.9	12:34:31	32
		8865.8				
3+75	W	58572.3	.04	-882.1	12:35:06	88
		44.3				
4+00	W	40626.0	1.4	-881.4	12:35:48	22
		4859.7				
4+25	W	41973.8	1.2	-881.1	12:36:23	32
		3135.7				
4+50	W	56440.1	.84	-881.1	12:37:18	32
		3578.7				
4+75	W	58024.9	.04	-880.8	12:37:58	88
		-36.6				
5+00	W	40138.4	1.2	-878.6	12:39:46	32
		5844.5				
5+25	W	53333.6	.50	-877.4	12:42:02	32
		9171.8				
5+50	W	51801.6	1.1	-875.0	12:43:27	32
		2334.0				
5+75	W	51978.0	1.3	-877.0	12:44:08	32
		1743.3				
6+00	W	37162.9	2.3	-877.9	12:44:41	22
		1140.4				
6+25	W	55755.9	.60	-878.7	12:45:19	32
		4713.9				

Line: 3+00 N Date: 28 APR 89 #134

POSITION		FIELD	ERR	DRIFT	TIME	DS
6+00	W	40369.8	1.0	-879.8	12:48:37	32
		5559.5				
5+75	W	55980.5	.57	-879.5	12:49:57	32
		4815.5				
5+50	W	39198.7	.95	-880.6	12:50:33	32
		7937.8				
5+25	W	43140.6	1.8	-884.1	12:51:16	32
		9438.8				
5+00	W	54360.0	.68	-884.3	12:51:56	32
		7385.5				
4+75	W	42859.0	1.4	-882.1	12:52:45	22
		609.8				
4+50	W	50716.0	.84	-880.5	12:53:23	32
		4569.3				
4+25	W	54190.3	1.2	-877.8	12:55:34	32
		8048.1				
4+00	W	41488.1	.94	-877.5	12:56:25	32
		3022.6				
3+75	W	54632.4	1.1	-876.2	12:57:36	32
		6485.9				
3+50	W	39214.8	.96	-876.0	12:58:24	32
		8645.2				
3+25	W	43887.1	.48	-876.3	12:59:05	32
		8351.9				
3+00	W	52748.9	1.0	-877.3	12:59:36	32
		215.7				
2+75	W	51893.0	1.1	-877.2	13:00:08	32
		2116.5				
2+50	W	41517.1	1.2	-876.4	13:00:40	32
		2452.0				

```
  2+25 W 54367.2 1.5  -876.5 13:01:18 32
          7153.1
  2+00 W 51748.5 1.6  -876.7 13:01:52 32
          2707.3
  1+75 W 51544.7 .96  -876.9 13:02:21 32
          2514.9
  1+50 W 52352.5 .67  -877.3 13:02:53 32
           857.1
  1+25 W 41714.8 .93  -877.3 13:03:38 22
          3154.6
  1+00 W 44576.1 .54  -875.9 13:04:30 32
          6858.5
  0+75 W 52447.5 1.7  -875.8 13:05:12 32
          1736.6
  0+50 W 39856.4 1.2  -875.2 13:05:54 32
          6954.7
  0+25 W 43240.6 .97  -875.6 13:08:35 32
           763.4
  0+00 E 54998.8 2.3  -876.1 13:09:04 32
          6703.2

Checksum Error! Record #159

Line:    0+00 N   Date: 28 APR 89   #159
POSITION  FIELD  ERR   DRIFT   TIME   DS
  0+00 E     0.0 .00     0.0  0:00:00  0
             0.0


EOF
```

EDA OMNI-IV Tie-line MAG Ser #18120
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 28 APR 89
Operator: 5002
Reference field: 58564.0
Datum subtracted: 0.0
Records: 156
Bat: 16.9 Volt Lithium: 3.48 Volt
Last time update: 4/28 6:40:00
Start of print: 4/28 15:37:52

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/28 6:40:00
Start of print: 4/28 15:37:54

#1 57274.5 .00 -904.8 9:08:26 88

Line: 2+00 S Date: 28 APR 89 #2

POSITION	FIELD	ERR	DRIFT	TIME	DS
0+00 E	58170.1	.03	-905.3	9:17:21	88
	-4.8				
0+25 W	58104.9	.04	-903.8	9:19:17	88
	-10.4				
0+50 W	57986.4	.07	-903.9	9:19:47	88
	-26.1				
0+75 W	58140.2	.04	-903.9	9:20:19	88
	10.5				
1+00 W	57876.3	.06	-903.9	9:20:49	88
	-24.1				
2+00 W	58133.5	.03	-903.2	9:23:10	88
	-16.5				
2+25 W	57909.8	.04	-902.8	9:24:01	88
	10.4				
2+50 W	58195.4	.06	-903.0	9:25:18	88
	-35.2				
2+75 W	58705.1	.08	-902.8	9:25:55	88
	83.8				
3+00 W	58202.3	.04	-902.2	9:27:03	88
	-2.5				
3+25 W	58029.3	.03	-900.9	9:27:52	88
	-1.9				
3+50 W	58134.3	.04	-901.1	9:28:48	88
	14.2				
3+75 W	58088.5	.04	-901.0	9:29:44	88
	4.0				
4+00 W	58104.3	.03	-901.1	9:30:22	88
	2.6				
4+25 W	57992.4	.04	-901.5	9:31:22	88
	-3.7				
4+50 W	58464.3	.08	-901.8	9:32:01	88
	68.9				
4+75 W	57950.1	.06	-902.0	9:32:40	88
	-16.6				
5+00 W	58053.5	.04	-906.8	9:33:50	88
	12.2				
5+25 W	58026.1	.03	-908.2	9:34:25	88
	-3.8				
5+50 W	57961.0	.06	-908.4	9:34:59	88

		25.5				
5+75	W	57944.0	.07	-907.6	9:35:30	88
		24.7				
6+00	W	57792.0	.04	-907.7	9:36:05	88
		-4.6				
6+25	W	57820.1	.03	-905.6	9:36:43	88
		0.6				
6+50	W	57827.2	.03	-907.7	9:37:37	88
		10.5				
6+75	W	57780.4	.03	-909.6	9:38:34	88
		2.9				
7+00	W	57837.6	.03	-913.4	9:40:09	88
		6.9				
7+25	W	57762.3	.03	-915.8	9:41:04	88
		-5.9				
7+50	W	57752.3	.03	-915.9	9:41:38	88
		10.0				
7+75	W	57722.7	.03	-914.6	9:42:14	88
		5.7				
8+00	W	57675.2	.03	-913.9	9:43:15	88
		4.5				
8+25	W	57642.9	.03	-913.8	9:44:33	88
		1.3				
8+50	W	57651.0	.03	-912.6	9:46:11	88
		-9.5				
8+75	W	58256.2	.08	-911.6	9:48:10	88
		83.9				
9+00	W	58153.6	.04	-910.1	9:49:31	88
		0.8				
9+25	W	57810.7	.04	-909.8	9:50:14	88
		1.0				
9+50	W	57829.4	.03	-908.3	9:51:02	88
		3.7				
9+75	W	57842.1	.03	-908.0	9:51:57	88
		4.9				
10+00	W	57840.7	.03	-907.3	9:53:09	88
		5.4				
10+25	W	57801.9	.03	-906.8	9:54:22	88
		1.7				
10+50	W	57894.4	.03	-904.3	9:56:05	88
		6.6				
10+75	W	57902.5	.03	-904.5	9:56:56	88
		4.7				
11+00	W	57889.0	.03	-904.5	9:57:33	88
		4.7				
11+25	W	57779.4	.03	-903.3	9:58:33	88
		3.4				
11+50	W	57863.6	.03	-901.9	10:00:04	88
		-8.1				
11+75	W	57867.4	.03	-901.7	10:00:47	88
		-4.3				
12+00	W	57851.0	.03	-901.8	10:01:25	88
		0.7				
12+25	W	58001.1	.05	-901.4	10:02:11	88
		33.4				
12+50	W	57732.7	.04	-899.8	10:03:18	88
		0.1				
12+75	W	57751.2	.03	-899.3	10:04:12	88
		3.4				
13+00	W	57809.9	.03	-898.6	10:04:52	88
		7.2				

Line: 0+00 N Date: 28 APR 89 #52

POSITION		FIELD	ERR	DRIFT	TIME	DS
13+00	W	58146.2	.06	-889.2	10:16:57	88
		32.7				

```
12+75 W 57846.1 .07  -886.2 10:20:43 88
          -38.3
12+50 W 57812.2 .03  -887.0 10:21:20 88
           -4.7
12+25 W 57443.3 .10  -888.0 10:22:48 88
         -230.2
12+00 W 57804.1 .03  -888.0 10:24:04 88
            2.1
11+75 W 57882.8 .04  -891.0 10:25:26 88
           -0.8
11+50 W 57899.1 .03  -892.0 10:26:12 88
           -2.3
11+25 W 57922.7 .04  -893.2 10:26:57 88
            8.9
11+00 W 57830.5 .04  -893.9 10:27:30 88
           -2.1
10+75 W 57932.4 .05  -894.2 10:28:10 88
           22.4
10+50 W 57868.9 .04  -895.2 10:28:47 88
            6.1
10+25 W 57780.9 .03  -896.1 10:29:26 88
           -0.4
10+00 W 57788.7 .03  -897.4 10:30:24 88
            1.3
 9+75 W 57783.8 .03  -897.6 10:32:08 88
            0.7
 9+50 W 57850.1 .03  -898.8 10:33:34 88
           -4.6
 9+25 W 58331.7 .06  -899.0 10:34:07 88
           45.0
 9+00 W 58068.9 .04  -900.1 10:35:07 88
            7.1
 8+75 W 57748.4 .04  -899.9 10:36:28 88
           -3.9
 8+50 W 57615.8 .04  -901.3 10:37:37 88
           -0.4
 8+25 W 57651.5 .03  -901.6 10:38:16 88
            1.8
 8+00 W 57764.2 .04  -902.2 10:39:40 88
           10.5
 7+75 W 57773.7 .03  -902.1 10:40:30 88
            0.8
 7+50 W 57764.1 .03  -902.5 10:41:21 88
           -1.6
 7+25 W 57844.8 .04  -902.8 10:41:58 88
          -12.3
 7+00 W 58017.3 .07  -902.3 10:42:41 88
          -29.9
 6+75 W 57927.4 .05  -902.4 10:43:16 88
          -11.0
 6+50 W 58189.7 .07  -902.6 10:43:50 88
           45.5
 6+25 W 58030.1 .04  -903.7 10:45:12 88
            0.4
 6+00 W 57937.6 .04  -903.1 10:45:54 88
            5.8
 5+75 W 58132.4 .07  -902.2 10:46:39 88
           39.9
 5+50 W 57924.8 .04  -901.9 10:47:27 88
            1.5
 5+25 W 58226.8 .07  -903.6 10:48:05 88
          -45.8
 5+00 W 58073.2 .04  -904.0 10:48:42 88
            6.3
 4+75 W 58028.9 .04  -902.3 10:49:27 88
            3.4
```

4+50 W	58012.4	.04	-900.3	10:50:06	88
	1.5				
4+25 W	58087.9	.03	-900.6	10:50:41	88
	2.6				
4+00 W	58021.9	.06	-901.8	10:51:20	88
	-18.8				
3+75 W	58116.7	.04	-902.3	10:52:00	88
	2.0				
3+50 W	58094.9	.07	-900.7	10:53:02	88
	-29.3				
3+25 W	58428.1	.06	-898.8	10:53:41	88
	33.0				
3+00 W	58053.7	.05	-897.3	10:54:37	88
	-15.6				
2+75 W	58317.9	.09	-895.7	10:55:11	88
	69.5				
2+50 W	58141.5	.08	-896.0	10:55:47	88
	30.5				
2+25 W	57992.6	.04	-899.3	10:56:21	88
	-2.0				
2+00 W	57900.8	.04	-898.8	10:57:37	88
	10.7				
1+75 W	57904.0	.04	-899.0	10:58:21	88
	7.6				
1+50 W	57897.3	.04	-899.0	10:59:07	88
	-2.2				
1+25 W	57890.9	.06	-902.2	11:00:07	88
	-24.4				
1+00 W	58279.6	.05	-902.7	11:01:22	88
	32.0				
0+75 W	58026.7	.07	-902.3	11:02:35	88
	-24.8				
0+50 W	59526.8	.08	-902.3	11:03:18	88
	-53.5				
0+25 W	58535.2	.11	-904.0	11:04:25	88
	-144.8				
0+00 E	58456.4	.05	-904.0	11:05:39	88
	-20.0				

Line: 2+00 N Date: 28 APR 89 #105

POSITION	FIELD	ERR	DRIFT	TIME	DS
0+00 E	58829.3	.04	-878.5	12:24:59	88
	12.1				
0+25 W	58553.3	.04	-877.8	12:25:59	88
	4.4				
0+50 W	58492.4	.05	-878.3	12:26:35	88
	17.5				
0+75 W	58980.4	.10	-880.0	12:27:19	88
	185.5				
1+00 W	58253.0	.10	-881.9	12:28:05	88
	-65.7				
1+25 W	57903.3	.06	-882.5	12:29:00	88
	-19.9				
1+50 W	57749.8	.04	-881.8	12:29:33	88
	-7.1				
1+75 W	57907.6	.04	-882.3	12:30:08	88
	-6.8				
2+00 W	58010.9	.04	-882.3	12:30:44	88
	12.5				
2+25 W	57869.8	.04	-882.2	12:31:14	88
	5.9				
2+50 W	57674.6	.03	-881.6	12:32:08	88
	-5.3				
2+75 W	57849.6	.04	-882.4	12:32:44	88
	13.7				
3+00 W	58041.4	.10	-882.4	12:33:36	88

		-109.6				
3+25	W	58349.2	.04	-881.6	12:34:20	88
		12.8				
3+50	W	58535.1	.09	-882.2	12:34:54	88
		98.0				
3+75	W	58929.6	.09	-881.5	12:35:30	88
		141.5				
4+00	W	57617.6	.08	-881.0	12:37:08	88
		-37.1				
4+25	W	57783.0	.07	-880.6	12:38:26	88
		-27.8				
4+50	W	57878.8	.04	-878.8	12:39:31	88
		-14.7				
4+75	W	58030.2	.08	-878.8	12:40:36	88
		47.7				
5+00	W	57914.8	.04	-880.5	12:41:20	88
		0.6				
5+25	W	58244.6	.06	-877.2	12:42:24	88
		22.2				
5+50	W	58306.5	.06	-875.4	12:43:01	88
		23.8				
5+75	W	58201.0	.04	-875.5	12:43:37	88
		-4.2				
6+00	W	58263.4	.07	-877.1	12:44:12	88
		-44.6				
6+25	W	58053.3	.05	-879.5	12:46:44	88
		-13.8				

Line: 4+00 N Date: 28 APR 89 #131

POSITION		FIELD	ERR	DRIFT	TIME	DS
6+25	W	57862.5	.04	-879.7	12:49:47	88
		-2.8				
6+00	W	57876.1	.04	-881.1	12:50:40	88
		-12.8				
5+75	W	57985.6	.04	-883.9	12:51:13	88
		-17.8				
5+50	W	58327.8	.08	-884.4	12:51:48	88
		45.9				
5+25	W	58159.5	.04	-881.9	12:52:48	88
		9.0				
5+00	W	58056.1	.05	-877.9	12:54:02	88
		-14.3				
4+75	W	57947.8	.06	-877.4	12:54:51	88
		-18.8				
4+50	W	58149.4	.04	-877.8	12:55:43	88
		3.8				
4+25	W	58147.3	.04	-877.5	12:56:26	88
		1.6				
4+00	W	58232.7	.04	-876.3	12:57:30	88
		4.5				
3+75	W	58190.6	.04	-875.9	12:58:13	88
		5.8				
3+50	W	58126.5	.04	-876.3	12:58:47	88
		6.1				
3+25	W	58044.6	.04	-876.7	12:59:19	88
		6.3				
3+00	W	57983.0	.04	-877.3	13:00:00	88
		1.2				
2+75	W	57863.9	.05	-876.5	13:00:38	88
		-8.1				
2+50	W	58040.1	.06	-876.4	13:01:13	88
		22.3				
2+25	W	57985.3	.04	-876.5	13:01:45	88
		4.8				
2+00	W	57934.5	.04	-876.9	13:02:20	88
		-3.9				

```
1+75 W 57895.8 .05  -877.4 13:03:10 88
          -13.5
1+50 W 57936.1 .06  -877.0 13:03:54 88
           15.0
1+25 W 57817.6 .07  -875.4 13:04:58 88
          -38.8
1+00 W 58128.8 .04  -876.2 13:06:08 88
           16.8
0+75 W 58429.4 .07  -876.2 13:06:50 88
           32.8
0+50 W 58971.4 .04  -876.2 13:07:40 88
          -13.6
0+25 W 58378.0 .10  -875.7 13:08:24 88
          -28.1
0+00 E 58555.0 .05  -876.2 13:09:07 88
           12.7
```

EOF

EDA OMNI-IV Tie-line MAG Ser #18035
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 29 APR 89
Operator: 5001
Reference field: 58564.0
Datum subtracted: 0.0
Records: 56
Bat: 17.9 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:07:40

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/29 6:35:00
Start of print: 4/30 16:07:32

#1 57260.3 .00 -890.6 9:29:03 88

Line: 3+00 N Date: 29 APR 89 #2

POSITION	FIELD	ERR	DRIFT	TIME	DS
6+25 W	38746.5	2.0	-888.7	9:30:49	22
	8185.3				
6+50 W	55062.0	.80	-886.6	9:32:31	32
	6452.1				
6+75 W	55233.1	.81	-887.6	9:33:07	32
	6984.7				
7+00 W	41535.5	.82	-890.0	9:33:55	32
	4352.3				
7+25 W	43792.9	.86	-891.0	9:34:30	32
	8479.6				
7+50 W	54571.3	1.6	-891.2	9:35:06	32
	6155.1				
7+75 W	52684.5	.70	-888.2	9:36:12	32
	9910.4				
8+00 W	42391.2	2.3	-894.0	9:38:04	22
	581.2				
8+25 W	53026.0	.68	-893.5	9:39:32	32
	9284.6				
8+50 W	41794.6	1.4	-892.4	9:40:25	22
	2143.3				
8+75 W	44844.9	.79	-892.1	9:41:18	32
	6311.0				
9+00 W	55619.1	.80	-893.1	9:42:19	32
	5220.9				
9+25 W	39183.8	.74	-897.2	9:46:10	32
	7333.9				
9+50 W	45114.5	.51	-896.9	9:47:05	32
	5376.2				
9+75 W	42664.9	.79	-897.2	9:47:45	32
	369.2				
10+00 W	42035.4	.86	-898.0	9:48:26	32
	1560.5				
10+25 W	42857.1	.55	-898.3	9:50:29	32
	31.3				
10+50 W	53512.7	.55	-900.0	9:52:58	32
	8751.6				
10+75 W	50509.5	.79	-900.9	9:55:13	32
	4487.2				
11+00 W	53548.0	.94	-902.1	9:57:12	32

		8758.9				
11+25	W	41485.1	1.1	-903.6	9:59:44	32
		2789.8				
11+50	W	29879.4	60.	-904.9	10:02:18	32
		8195.1				
11+75	W	43968.5	.33	-904.9	10:04:39	32
		8000.5				
12+00	W	51185.8	1.2	-904.9	10:05:58	32
		3727.4				
12+25	W	43131.5	.74	-903.0	10:08:54	32
		9588.5				
12+50	W	44204.9	.64	-902.6	10:09:51	32
		7461.0				
12+75	W	54945.5	.48	-902.6	10:10:40	32
		5929.7				
13+00	W	53432.6	1.1	-901.9	10:11:26	32
		9055.3				

Line: 1+00 N Date: 29 APR 89 #30

POSITION		FIELD	ERR	DRIFT	TIME	DS
13+00	W	40385.5	1.0	-903.5	10:20:40	32
		4901.3				
12+75	W	55815.8	.59	-903.5	10:21:20	32
		4080.8				
12+50	W	39552.2	2.3	-903.7	10:21:53	22
		6775.2				
12+25	W	44543.0	1.6	-904.4	10:22:25	32
		6858.4				
12+00	W	51766.8	.59	-904.8	10:23:01	33
		2340.8				
11+75	W	55670.0	1.9	-904.9	10:23:33	32
		4520.7				
11+50	W	44919.7	1.1	-904.8	10:24:52	32
		6169.2				
11+25	W	41964.7	.74	-904.5	10:25:37	32
		1753.7				
11+00	W	55103.3	.99	-905.0	10:30:12	32
		5456.4				
10+75	W	40732.6	.67	-904.6	10:31:50	32
		4417.4				
10+50	W	43923.2	.69	-904.3	10:32:54	32
		7940.2				
10+25	W	53419.5	1.0	-903.0	10:33:38	32
		8976.9				
10+00	W	53187.0	.90	-902.9	10:34:25	32
		9246.2				
9+75	W	43202.1	.86	-901.6	10:35:39	32
		9265.2				
9+50	W	43028.0	.73	-900.6	10:37:19	32
		9619.1				
9+25	W	45071.2	.68	-900.0	10:38:16	32
		5514.1				
9+00	W	52605.3	1.1	-897.1	10:41:15	32
		450.8				
8+75	W	40608.3	.67	-897.2	10:42:05	32
		4436.6				
8+50	W	56167.8	.57	-898.0	10:42:58	32
		3253.4				
8+25	W	51966.0	.59	-898.9	10:44:21	32
		1627.3				
8+00	W	52823.7	1.5	-900.5	10:45:53	32
		9703.8				
7+75	W	54193.2	1.1	-902.3	10:47:13	32
		7080.4				
7+50	W	50145.0	1.1	-905.3	10:52:18	32
		5077.1				

```
  7+25 W 42351.8 .84   -905.9 10:53:11 32
           994.3
  7+00 W 51959.8 1.0   -906.1 10:54:03 32
          1784.7
  6+75 W 40726.4 1.2   -906.0 10:54:58 32
          4369.9
  6+50 W 56238.1 1.4   -905.7 10:55:36 33
          3326.1

Checksum Error! Record  #57

Line:    0+00 N    Date: 29 APR 89     #57
POSITION  FIELD  ERR    DRIFT    TIME    DS
  0+00 E     0.0 .00      0.0  0:00:00  0
             0.0


EOF
```

EDA OMNI-IV Tie-line MAG Ser #18120
TOTAL FIELD DATA (Base stn. corrected)
& GRADIENT
Date: 29 APR 89
Operator: 5002
Reference field: 58564.0
Datum subtracted: 0.0
Records: 55
Bat: 17.0 Volt Lithium: 3.48 Volt
Last time update: 4/29 6:35:00
Start of print: 4/30 16:11:44

Base stn. Pos: 0+05 W Line: 0+05 S
Last time update: 4/29 6:35:00
Start of print: 4/30 16:11:49

#1 57270.3 .00 -900.6 9:26:30 88

Line: 4+00 N Date: 29 APR 89 #2

POSITION	FIELD	ERR	DRIFT	TIME	DS
6+50 W	58046.6	.06	-885.4	9:32:07	88
	22.3				
6+75 W	58615.7	.09	-888.3	9:33:21	88
	105.9				
7+00 W	58464.8	.07	-890.2	9:34:13	88
	32.8				
7+25 W	57830.5	.04	-891.2	9:35:03	88
	3.1				
7+50 W	57573.7	.04	-891.0	9:37:05	88
	-1.0				
7+75 W	57647.5	.03	-893.6	9:38:56	88
	3.8				
8+00 W	57771.0	.03	-892.6	9:40:12	88
	1.7				
8+25 W	57828.3	.03	-892.2	9:41:13	88
	-9.3				
8+50 W	57832.5	.04	-893.3	9:42:25	88
	-12.9				
8+75 W	58188.1	.06	-895.9	9:43:56	88
	30.7				
9+00 W	57893.3	.04	-896.9	9:45:12	88
	-2.8				
9+25 W	57872.8	.03	-896.9	9:47:14	88
	9.4				
9+50 W	57782.2	.03	-898.0	9:48:21	88
	-5.3				
9+75 W	57837.0	.04	-898.4	9:49:42	88
	11.7				
10+00 W	57879.0	.03	-900.1	9:51:46	88
	0.3				
10+25 W	57924.3	.03	-900.0	9:53:37	88
	4.1				
10+50 W	57906.1	.04	-901.0	9:55:26	88
	4.4				
10+75 W	57870.4	.04	-902.6	9:57:36	88
	1.8				
11+00 W	57837.9	.03	-903.4	9:59:33	88
	-0.7				
11+25 W	57979.9	.03	-904.4	10:00:56	88

	9.9				
11+50 W	58021.5	.04	-903.2	10:08:17	88
	8.7				
11+75 W	58030.7	.04	-903.1	10:08:43	88
	7.5				
12+00 W	58038.2	.05	-902.6	10:09:33	88
	20.7				
12+25 W	57986.4	.04	-902.6	10:10:14	88
	4.3				
12+50 W	57993.1	.04	-902.6	10:10:43	88
	9.4				
12+75 W	57932.5	.04	-902.1	10:11:11	88
	-4.9				
13+00 W	57923.3	.04	-901.6	10:11:43	88
	8.5				

Line: 2+00 N Date: 29 APR 89 #29

POSITION	FIELD	ERR	DRIFT	TIME	DS
13+00 W	58087.3	.09	-903.6	10:20:44	88
	60.2				
12+75 W	57922.9	.04	-903.5	10:21:33	88
	-1.0				
12+50 W	57898.9	.04	-903.8	10:21:59	88
	-1.8				
12+25 W	57928.0	.04	-904.8	10:23:04	88
	14.8				
12+00 W	57877.5	.04	-904.6	10:23:43	88
	-0.2				
11+75 W	57828.5	.03	-904.7	10:25:07	88
	-5.6				
11+50 W	57837.6	.03	-904.3	10:25:59	88
	4.6				
11+25 W	57781.5	.03	-905.1	10:27:21	88
	-5.0				
11+00 W	57927.2	.03	-905.7	10:30:35	88
	8.0				
10+75 W	57810.1	.04	-904.6	10:31:50	88
	-1.7				
10+50 W	57891.6	.03	-903.1	10:33:33	88
	3.8				
10+25 W	58039.7	.07	-903.0	10:34:13	88
	44.8				
10+00 W	58027.4	.08	-902.4	10:34:51	88
	27.3				
9+75 W	57863.5	.04	-900.1	10:37:52	88
	2.5				
9+50 W	57880.5	.04	-899.5	10:38:50	88
	5.8				
9+25 W	57855.7	.03	-898.3	10:40:25	88
	3.7				
9+00 W	57894.1	.04	-897.1	10:41:21	88
	6.8				
8+75 W	57937.1	.03	-897.6	10:42:22	88
	-12.0				
8+50 W	57883.2	.04	-898.1	10:43:10	88
	2.0				
8+25 W	57934.5	.03	-899.0	10:44:26	88
	-4.5				
8+00 W	57806.0	.06	-899.4	10:45:23	88
	-14.2				
7+75 W	57664.9	.03	-901.7	10:46:30	88
	-0.9				
7+50 W	57703.0	.04	-902.3	10:47:16	88
	-0.1				
7+25 W	57721.5	.04	-902.4	10:48:51	88
	12.4				

```
   7+00 W 57696.2 .06   -904.0 10:51:09 88
            -20.3
   6+75 W 57803.7 .03   -904.8 10:51:40 88
             -2.8
   6+50 W 57968.7 .06   -905.2 10:52:12 88
            -38.5

Checksum Error! Record  #56

Line:    0+00 N    Date: 29 APR 89     #56
POSITION  FIELD   ERR    DRIFT    TIME    DS
   0+00 E     0.0 .00      0.0  0:00:00   0
              0.0


EOF
```

APPENDIX VIII

STATEMENT OF COSTS

STATEMENT OF COSTS

IOTA EXPLORATIONS PROPERTY,
Project 89BC008
NICOLA MINING DIVISION

Salaries			
Robert Arnold, Geologist			
2 Days @ $375.00/day	$ 750.00		
Denis Collins, Geologist			
2 Days @ $375/day	750.00	$	1,500.00
Project Preparation			1,778.83
Mobilization/Demobilization			1,055.15
Grid Establishment			
22.3 Kilometers @ $150/kilomters			3,345.00
Geophysics			
(includes operator)			
VLF-EM Survey(2 channels)			
20.8 kilometers @ $200/kilometers	$ 4,160.00		
Magnetometer Surveys - gradient & total field			
20.8 kilometers @ $200/kilometers	4,160.00		8,320.00
Domicile 25 man days @ $60/day			1,500.00
Geophysical Consulting			525.00
Truck Rental and fuel 12.5 days @ $120.00/day			1.500.00
Field Supplies and Equipment			
25 man days @ $30/per man/day			750.00
Geochemistry and Laboratory Services			
Rocks 26 samples $3.00/sample preparation	$ 78.00		
26 samples $12.25/6 element ICP;Au FA	318.00		
Special order 3 samples $8.50/Au FA	25.50		
Fax service	1.50		
Courier service	6.10		429.60
Government Filings			375.00
Accounting, Freight and Communications			335.25
Report and drafting			3,000.00
		$	24,413.81
Project Management Fee			2,964.43
TOTAL OF PAGE 1 OF 1 PAGE		$	27,378.24

IOTA EXPLORATIONS LTD.

Trenching and Ore Shipment costs incurred during Oct. 11, 1989 to Nov. 15, 1988 by Iota Explorations Ltd. (All figures supplied by Iota Explorations Ltd.)

G&G GROUP: Bornite Showing, Iron Cap.

Terex 8250 Dozer- 6.4 hrs @ $175/hr. Trenching bornite showing and iron cap at drill site	$1,110.00

SUNNY BOY VEIN AREA: Master Vein - Trenching & Road building

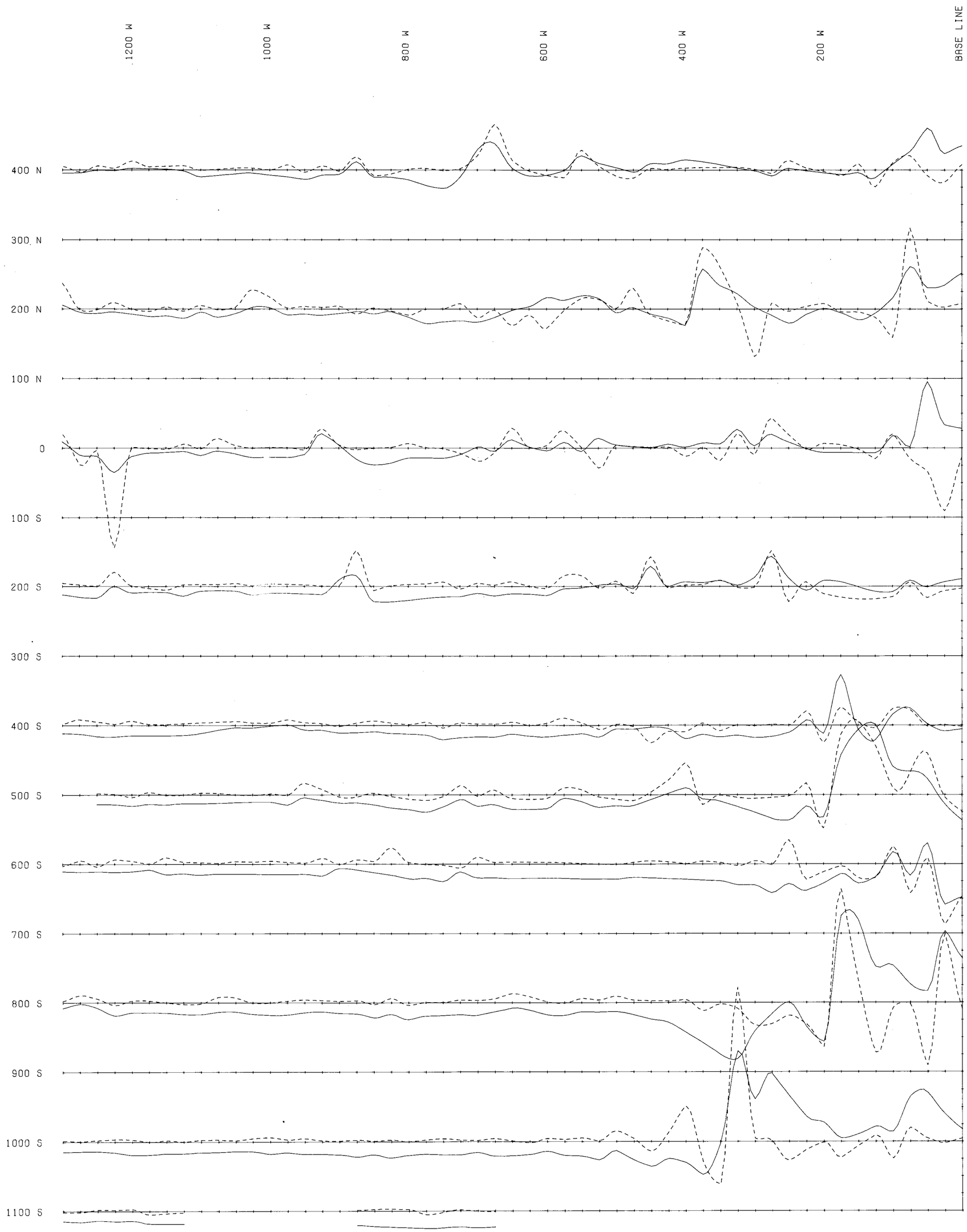
Vein extension Terex 8250: Lowbed	$ 564.00	
128.4 hours @ $175/hour	$22457.50	
Assays (Kamloops Research)	$ 252.00	
		$23,273.50

ORE EXTRACTION/LOADING/SHIPPING (VEIN AREA):

Drilling, Blasting (V. Trarup)	$ 2,443.98	
Loader 19 hrs @ $55/hour (Nov. 8,9,10/88)	$ 1,045.00	
Dump Truck 12 hrs @ $50/hour (Nov. 8,9,10/88)	$ 600.00	
Labour & Supervision (T. Wells) (Nov. 8,9,10,14,15/88)	$ 500.00	
Cat 10 hours @ $175/hour (Nov. 8,9,10,14,15/88)	$ 1,750.00	
Haul ore to Trail Smelter (Nov. 15, 16/88) A.S Dickie Contracting)	$ 900.00	
		$ 7,238.98

SUPERVISION MANAGEMENT (Oct 11 - Nov. 15/88):

Bryan Elliott (Wages, Accomodation, Meals etc.)	$ 1,609.98
L. Ovington (Wages, Accomodation, Meals etc.)	$ 1,466.16
R. Wells (Geologist) 1 day @ $200/day	$ 200.00
	$34,898.62



LEGEND

PROFILES POSITIVE UP
SOLID LINES : TOTAL FIELD 400 GAMMAS / CM
BASE VALUE 58000 GAMMAS
DASHED LINES : GRADIENT 40 GAMMAS/M / CM

INSTRUMENTATION - MOBILES : EDA OMNI PLUS
PROTON PRECESSION MAGNETOMETERS
- BASE : EDA OMNI IV

RANGE -
HIGH : 60140.0 GAMMAS
MEDIAN : 58389.7 GAMMAS
LOW : 56679.2 GAMMAS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

MAGNETICS PROFILES

TOTAL FIELD AND GRADIENT

SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G1A
DWN.BY: J.R.A.	DATE: MAY, 1989	
CHKD.BY:	PROJECT NO: 898C008	FILE NO:

MI-TEC RESOURCE MANAGEMENT LTD.

S.J.V. CONSULTANTS LTD.

1200 W | 1000 W | 800 W | 600 W | 400 W | 200 W | BASE LINE

400 N
300 N
200 N
100 N
0
100 S
200 S
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S

BASE STATION LOCATION

LEGEND

CONTOUR INTERVAL : 200 GAMMAS
POSTED : 1000 GAMMAS
TREND ROTATION ANGLE : 0 DEGREES

INSTRUMENTATION - MOBILES : EDA OMNI PLUS
PROTON PRECESSION MAGNETOMETERS
- FIELD : EDA OMNI IV

RANGE -
HIGH : 60140.0 GAMMAS
MEDIAN : 58389.7 GAMMAS
LOW : 56679.2 GAMMAS

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

IOTA EXPLORATIONS LTD.

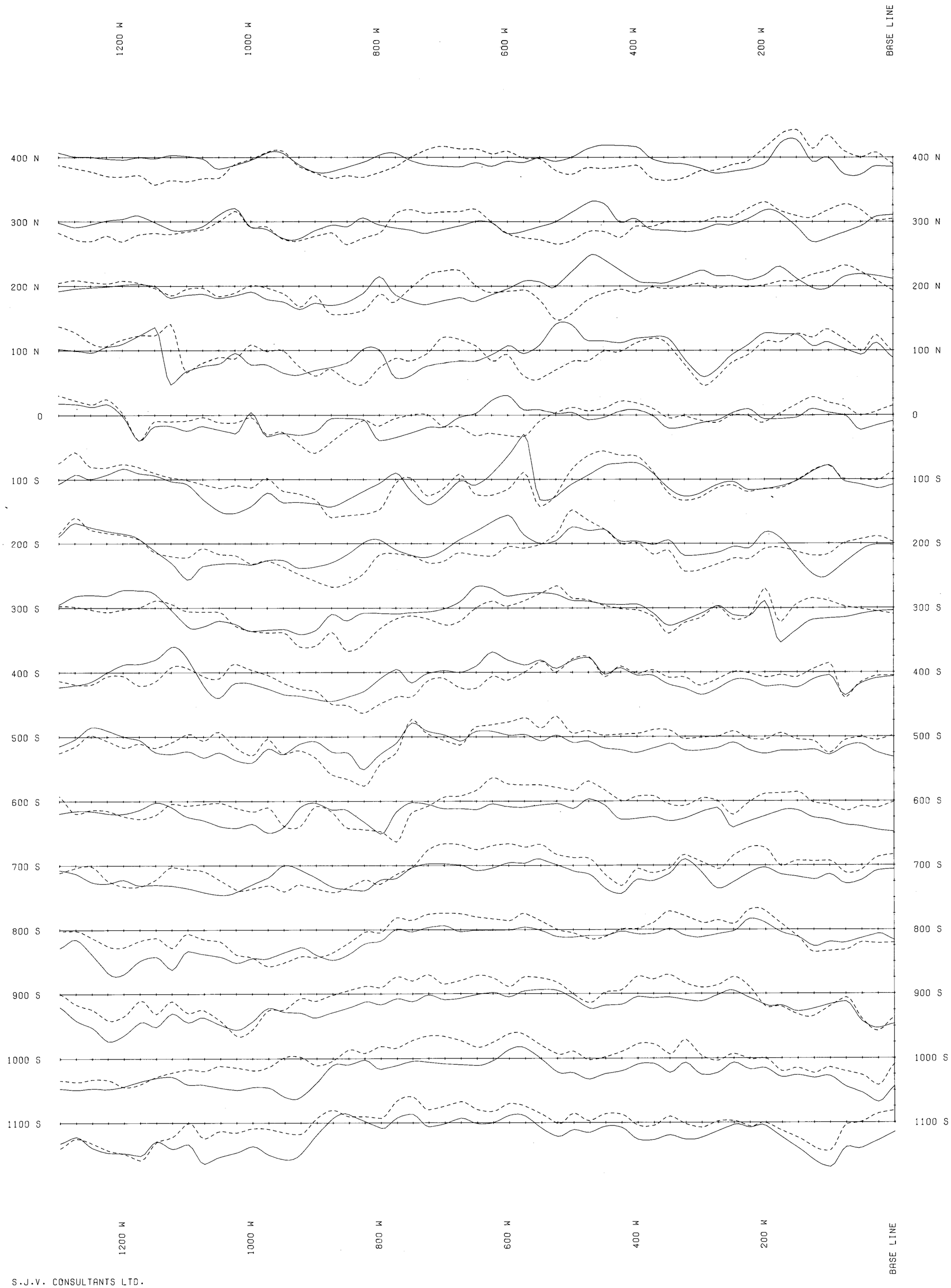
IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

MAGNETICS CONTOUR MAP
TOTAL FIELD

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G1B
DWN.BY: J.R.A.	DATE: MAY, 1989	
CHKD.BY:	PROJECT NO: 898C008	FILE NO:

S.J.V. CONSULTANTS LTD.



LEGEND

PROFILES POSITIVE UP
SOLID LINES : DIP ANGLE 10 % / CM
BASE VALUE 0 %
DASHED LINES : QUADRATURE 5 % / CM
BASE VALUE 0 %

ALL READINGS EQUIVALENT TO FACING
APPROXIMATELY EAST
INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON
PRECESSION MAGNETOMETER & VLF RECEIVER
TRANSMITTER : NLK 24.8 KHZ
JIM CREEK, WASHINGTON
(SEATTLE)

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

S.J.V. CONSULTANTS LTD.

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

VLF-EM PROFILES - SEATTLE

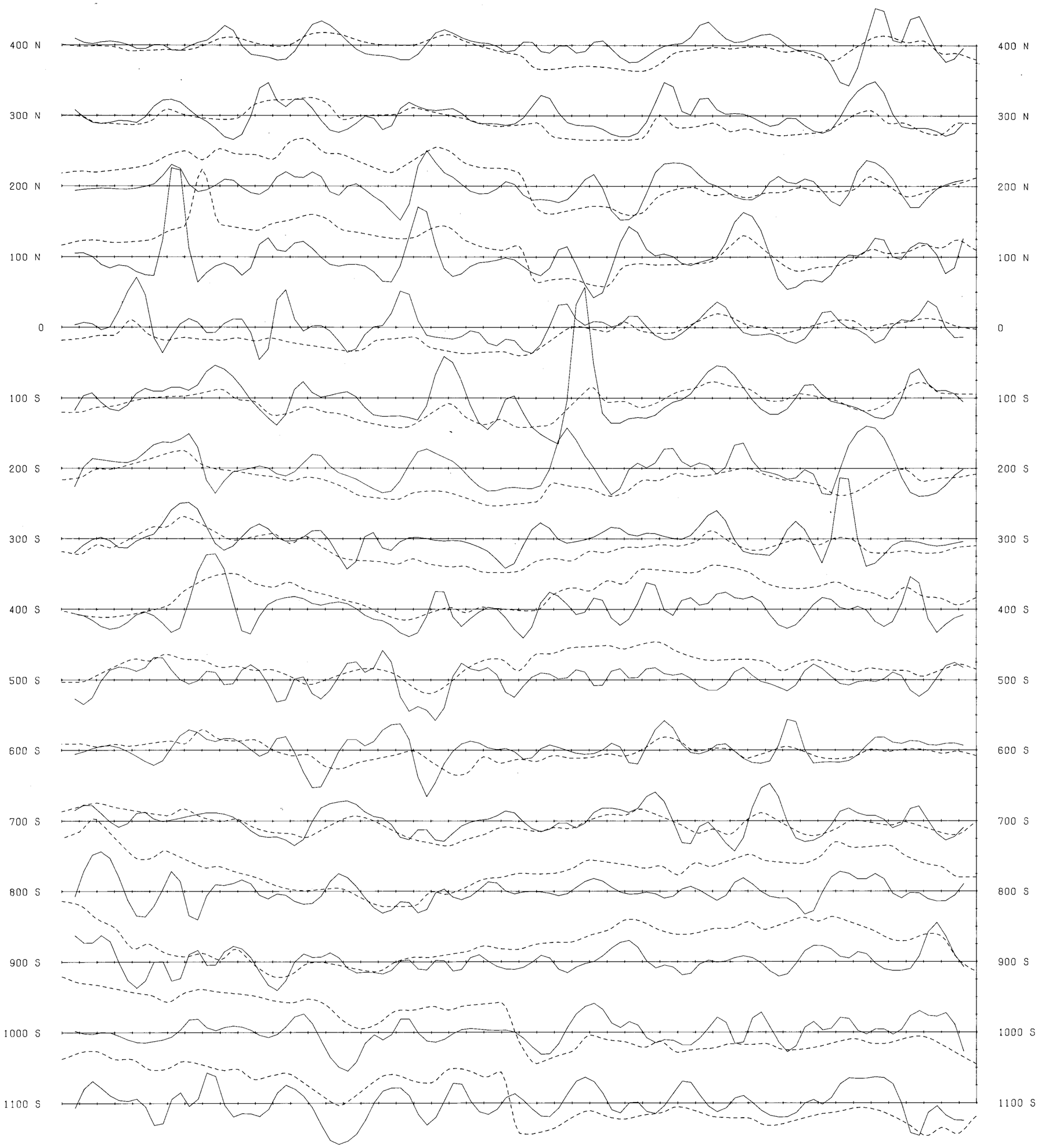
DIP ANGLE AND QUADRATURE

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G2A	
DWN.BY: J.R.A.	DATE: MAY, 1989		
CHKD.BY:	PROJECT NO: 89BC008	FILE NO:	

1200 W | 1000 W | 800 W | 600 W | 400 W | 200 W | BASE LINE

400 N
300 N
200 N
100 N
0
100 S
200 S
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S



LEGEND

PROFILES POSITIVE UP
SOLID LINES : FRASER FILTERED DIP ANGLE : 10 % / CM
BASE VALUE : 0 %
DASHED LINES : RELATIVE FIELD STRENGTH : 25 % / CM
BASE VALUE : 200 %
ALL READINGS EQUIVALENT TO FACING
APPROXIMATELY EAST
DIP ANGLE FILTERED FROM WEST TO EAST
INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON
PRECESSION MAGNETOMETER & VLF RECEIVER
TRANSMITTER : NLK 24.8 KHZ
JIM CREEK, WASHINGTON
(SEATTLE)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

S.J.V. CONSULTANTS LTD.

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

VLF-EM PROFILES - SEATTLE

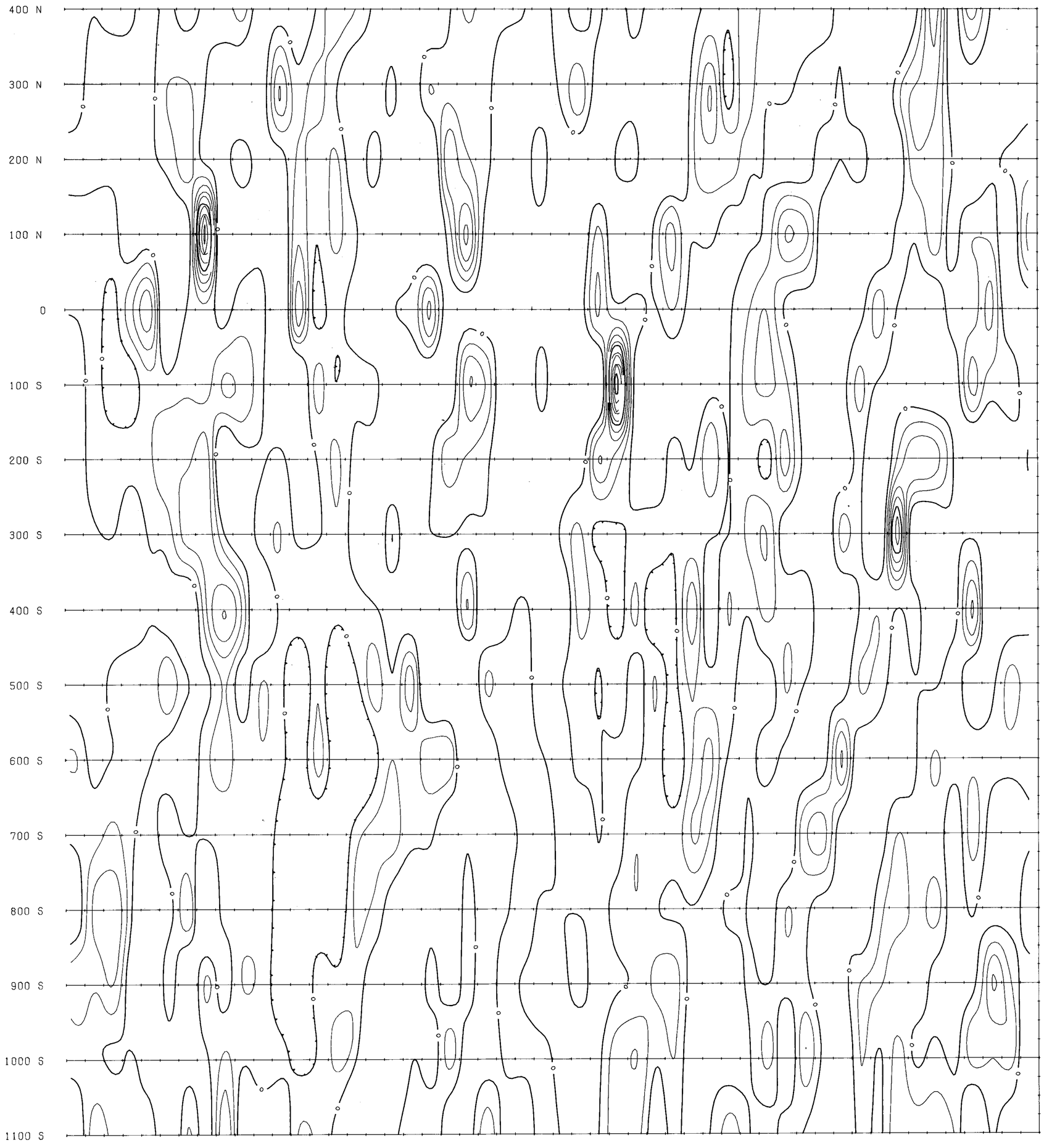
FILTERED DIP ANGLE & TOTAL FIELD

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G2B
DWN.BY: J.R.A.	DATE: MAY, 1989	
CHKD.BY:	PROJECT NO: 898C008	FILE NO:

1200 W | 1000 W | 800 W | 600 W | 400 W | 200 W | BASE LINE

400 N
300 N
200 N
100 N
0
100 S
200 S
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S



LEGEND

CONTOUR INTERVAL : 4 % FILTERED DIP ANGLE
POSTED : 20 %
TREND ROTATION ANGLE : 0 DEGREES

ALL READINGS EQUIVALENT TO FACING
APPROXIMATELY EAST
DIP ANGLE FRASER FILTERED FROM WEST TO EAST

INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON
PRECESSION MAGNETOMETER & VLF RECEIVER
TRANSMITTER : NLK 24.8 KHZ
JIM CREEK, WASHINGTON
(SEATTLE)

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

IOTA EXPLORATIONS LTD.

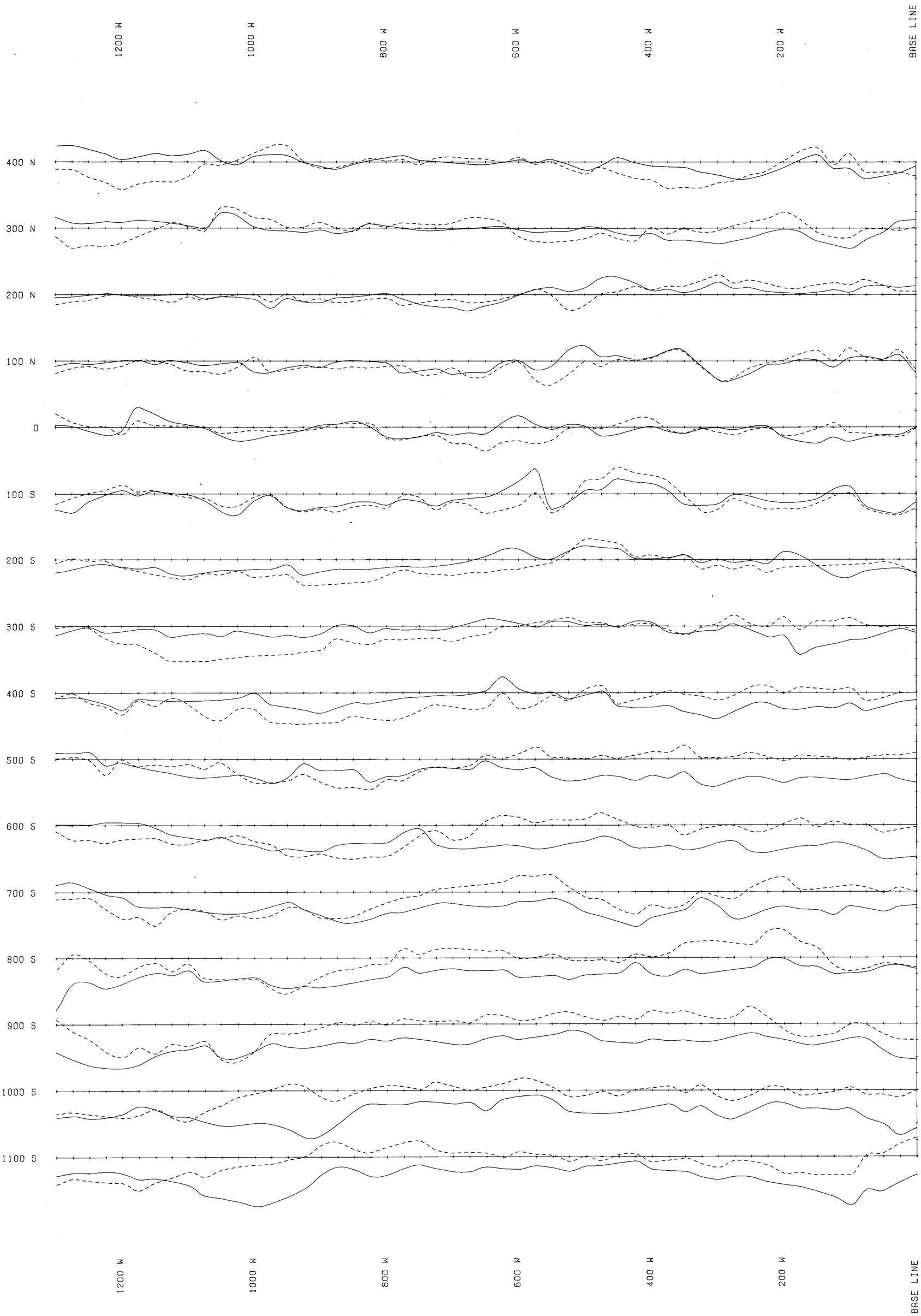
IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

VLF-EM CONTOURS - SEATTLE

FRASER FILTER OF DIP ANGLE

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G2C
	DWN.BY: J.R.A.	DATE: MAY. 1989	
	CHKD.BY:	PROJECT NO: 898C008	FILE NO:

S.J.V. CONSULTANTS LTD.



LEGEND

PROFILES POSITIVE UP
SOLID LINES : DIP ANGLE 10 % / CM
BASE VALUE 0 %
DASHED LINES : QUADRATURE 5 % / CM
BASE VALUE 0 %

ALL READINGS EQUIVALENT TO FACING
APPROXIMATELY EAST
INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON
PRECESSION MAGNETOMETER & VLF RECEIVER
TRANSMITTER : NAA 24.0 KHZ
CUTLER, MAINE

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES
50 0 50 100 150

S.J.V. CONSULTANTS LTD.

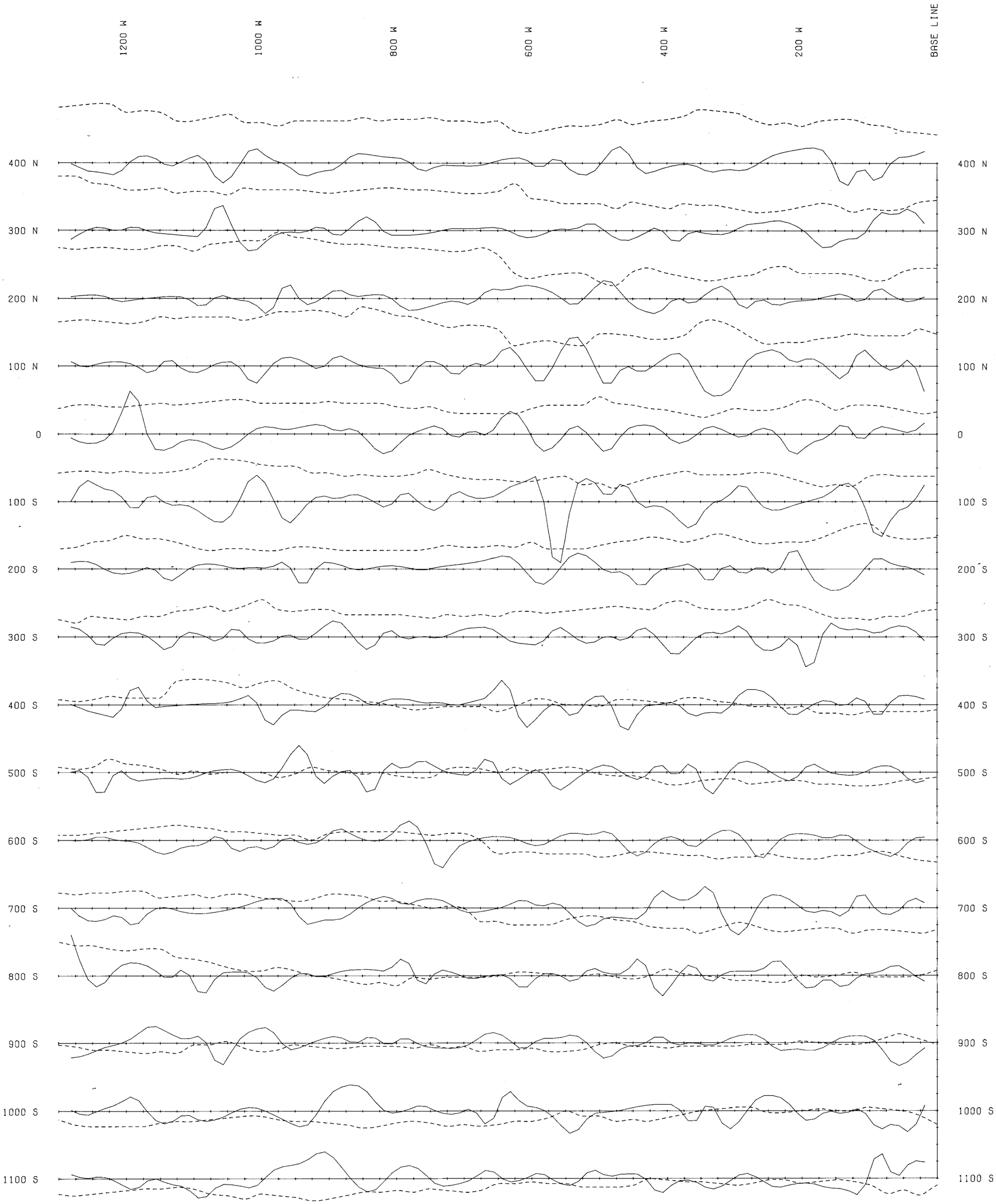
IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

VLF-EM PROFILES - CUTLER

DIP ANGLE AND QUADRATURE

IH-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G3A
	DWN.BY: J.R.A.	DATE: MAY, 1989	
	CHKD.BY:	PROJECT NO: 89BC008	FILE NO:



LEGEND

PROFILES POSITIVE UP
SOLID LINES : FRASER FILTERED DIP ANGLE : 10 % / CM
BASE VALUE : 0 %
DASHED LINES : RELATIVE FIELD STRENGTH : 1 % / CM
BASE VALUE : 7 %
ALL READINGS EQUIVALENT TO FACING APPROXIMATELY EAST
DIP ANGLE FILTERED FROM WEST TO EAST
INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON PRECESSION MAGNETOMETER & VLF RECEIVER
TRANSMITTER : NAA 24.0 KHZ
CUTLER, MAINE

N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,887

METRES

50 0 50 100 150

S.J.V. CONSULTANTS LTD.

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

VLF-EM PROFILES - CUTLER

FILTERED DIP ANGLE & TOTAL FIELD

HI-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1 : 2500	N.T.S.: 92 I/142	FIGURE NO: G3B
DWN.BY: J.R.A.	DATE: MAY, 1989	
CHKD.BY:	PROJECT NO: 898C008	FILE NO:

1200 W | 1000 W | 800 W | 600 W | 400 W | 200 W | BASE LINE

400 N
300 N
200 N
100 N
0
100 S
200 S
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S

Diamond Drill Holes

Barnite Showing

Antaeite Showing

DIRT TRACK

LEGEND

MAGNETIC ANOMALY - STRONG : [ ]
(SHOWING WIDTH)
- WEAK : [ ]

VLF-EM ANOMALY - STRONG :
- WEAK :

CROSS STRUCTURE -

INSTRUMENTATION :
EDA OMNI PLUS COMBINED PROTON PRECESSION MAGNETOMETER & VLF-EM RECEIVER
BASE STATION : EDA OMNI IV
TRANSMITTERS : NLK 24.8 KHZ
JIM CREEK, WASHINGTON (SEATTLE)
NAA 24.0 KHZ
CUTLER, MAINE

MAGNETICS TOTAL FIELD RANGE -
HIGH : 60140.0 GAMMAS
MEDIAN : 58389.7 GAMMAS
LOW : 56679.2 GAMMAS

N

METRES
50 0 50 100 150

S.J.V. CONSULTANTS LTD.

IOTA EXPLORATIONS LTD.

IOTA EXPLORATIONS PROPERTY
NICOLA MINING DISTRICT, BRITISH COLUMBIA

MAGNETICS & 2 FREQ VLF-EM SURVEYS

COMPILATION MAP

SCALE: 1 : 2500	N.T.S.: 92 I/1&2	FIGURE NO: G 4
DWN.BY: J.R.A.	DATE: MAY, 1989	
CHKD.BY:	PROJECT NO: 898C008	FILE NO:

HI-TEC RESOURCE MANAGEMENT LTD.