827210

LOGISTICAL REPORT

MAGNETOMETER AND VLF-EM SURVEYS

HEATHER PROJECT

VANCOUVER ISLAND, B.C.

on behalf of

CORPORATION FALCONBRIDGE COPPER
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Field work completed: June 8 to 14, 1986

by

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TABLE OF CONTENTS

		page
1	Introduction	1
2	Survey Location	1
3	Survey Grid and Survey Coverage	1
4	Personnel	2
5	Instrumentation	2

TABLE OF CONTENTS OF FOLDER

	folder
Logistical Report	1
VLF profiles for station NLK (Seattle)	2
VLF profiles for station NPM (Hawaii)	3
Floppy discs (2) containing all survey data: .DAT files are raw data .CLN are edited data .FRS are fraser filtered VLF data	8
Listing of fraser filtered values for NLK	9
Listing of fraser filtered values for NPM	10
Listing of all edited data	11
Raw data dumps	12

ACCOMPANYING PLAN MAPS

Magnetometer values @ 1:5000 scale

Fraser filtered values for NLK @ 1:5000 scale

Fraser filtered values for NPM @ 1:5000 scale

1. INTRODUCTION

Magnetometer and VLF-EM surveys were conducted over portions of the Heather Property, Vancouver Island, B.C. on behalf of Corporation Falconbridge Copper, within the period June 8 to 14, 1986.

Total field magnetometer and VLF readings (for stations NLK and NPM) were taken at 25 meters intervals on lines 100 meters apart.

Note that the strong VLF conductor located at station 25-50S on line 1100W is caused by a logging cable.

2. SURVEY LOCATION

The Heather Property is located about 25 kilometers west south west of Youbou, B.C. Access is via a network of logging roads from Youbou.

3. SURVEY GRID AND SURVEY COVERAGE

A total of 28.3 line kilometers, on 31 crosslines, were surveyed on the Heather grid. Details of survey coverage are given in the previously submitted production reports.

4. PERSONNEL

Dave Hall, Geophysicist, performed the IGS survey and edited the results on site using Scintrex I S applications software.

The VLF profiles were generated on site as time allowed, and completed in the office. The profiles and fraser filter values were also generated using Scintrex IGS applications software. The plan maps were generated using proprietory software.

5. INSTRUMENTATION

A Scintrex IGS-2 magnetometer and VLF receiver, along with a Scintrex IGS configured as a base station magnetometer, was used on the Heather survey. All magnetometer readings were corrected for diurnal drift with reference to the base station.

Both stations NLK (Seattle, Washington) and NPM (Hawaiii) were used for the VLF survey. All readings were taken with the operator facing the transmitter site, so that conductive features appear give "right-wave" inflection points.

The survey data was archived, processed, and plotted using a Corona PPC 400 microcomputer.

Respectfully Submitted,

Alan Scott,
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TIME DOMAIN IP BOREHOLE LOGGING

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TIME DOMAIN IP BOREHOLE LOGGING

INTRODUCTION

Induced polarization/resistivity logging has been gaining acceptance slowly over the past thirty years. Presently the method is used routinely in the Viburnum lead-zinc belt in Missouri and in the Cu-Ni mining district in Sudbury, Ontario.

The multi-dipole arrays employed result in a large volume of data. Recent advances with microprocessor based receivers have greatly speeded up the data gathering process. Efficient data editing and posting are available with the Scintrex Soft II program written for the Apple IIe Computer. Also, the Soft II program calculates spectral parameters which yield additional information on the detected anomaly's source; using measurements routinely obtained by the Scintrex IPR-11 receiver.

SURVEY METHODOLOGY

In IP logging, multi separation electrode arrays are employed to determine the variation of chargeability and conductivity with distance from the borehole. The detection log explores about the hole for non-intersected bodies and determines the relative importance of intersected sulphide zones. The directional log gives an azimuth to non-intersected bodies.

1) Detection Logging

Figure 1 illustrates the detection log instrument and electrode configuration. The interelectrode "a" spacings are 2.5 m, 5 m, 10 m, 20 m and 40 m. One current electrode is located at the bottom of the electrode array the other is located remotely on surface.

The 2.5 and 5 m separations provide information about the lithologies immediately about (near hole) the drillholes. The near hole log will usually reflect information comparable with that obtained from the core. The 10, 20 and 40 spacings provide information on the lithologies up to a radius of approximately 20 m (far from hole) about the drillhole.

2) Direction Logging

Figure 2 illustrates the instrument and electrode configuration for the directional array. Current electrodes are placed a distance equal to two-thirds the hole depth away from the drillhole collar. A reference potential electrode is fixed at the borehole collar and single search potential electrode is lowered in the drillhole. Current is passed through the current electrodes in east-west and north-south pairs.

The detection and directional logs are reviewed in a paper by D.M. Wagg & H.O. Seigel, 1968.

INSTRUMENTATION

The following instrumentation is normally employed, either mounted in a truck or assembled on site (Figure 3):

1) Receiver

IPR-11 Microprocessor-based Time Domain Receiver measuring up to 10 slices of chargeability information simultaneously on up to 6 potential dipoles.

2) Transmitter

For detection surveys an IPC-8/250 Watt Crystal Controlled Battery Powered Time Domain Transmitter is employed. For the directional survey a TSQ-3 (3 kw) or TSQ-4 (10 kw) transmitter is employed depending on the power required.

3) Interface

A DHIP-2 interface unit that interfaces current from the transmitter to the current electrode and signal from the lead potential electrodes to the receiver.

4) Winch

A CLW-2 winch with 500 meters of 8 conductor cable consisting of 6 potential wires, two shielded current wires and three kevlar strain members.

5) Electrode Array

An 80 meter electrode string with a current electrode and six potential electrodes, separated by 2.5 m, 5 m, 10 m, 20 m and 40 m respectively.

MEASURED PARAMETERS

A direct current is applied across the current electrodes with a 2 second "on", 2 second "off" pulse duration with the polarity automatically changing every 4 seconds.

A primary voltage (Vp) is measured across the potential electrodes from which the resistivity may be determined. The primary voltage decays to a secondary voltage, the shape of which is shown for the IPR-11 in figure 3a. Using multi-slices of integration and continuous averaging, the chargeability is measured and expressed in units of "millivolts per volt".

$$Ma = \frac{Vs \times 1000}{Vp} \text{ in Mv/v where } Vs = \frac{1}{tr} \int_{t_1}^{t_2} Vsdt$$

tr = integration period $t_2 - t_1$
t_1 = time at the beginning of slice
t_2 = time at the end of slice
Vs = voltage measured by receiver during integrating period
Vp = primary voltage

Also, the resistivity is calculated from Pa = KVp where K = Geometric factor; Vp=primary voltage, I=applied current.

SURVEY EXAMPLES

Several examples of drillhole surveys are presented to illustrate how drillhole IP logging can be applied.

1) Carbonate Hosted Lead-Zinc Deposits

Historically, surface induced polarization surveys have been successfully used to explore for these deposits. The targets are difficult ones because:

i) They are very irregular and are often associated with karst systems and slump breccias in reef complexes.

ii) Most of them contain significant amounts of sphalerite which is non conductive and lowers the overall chargeability response of the mineralization.

The first example (figures 4 and 5) show the IP resistivity logs of three holes drilled on a lead-zinc deposit located in northern Greece. These holes are variously located:

a) entirely within the main sulphide body
b) in apparently significant volume percent of sulphides on or near the edge of the main sulphide body where the intersected mineralization may be much higher grade than the mineralization actually located about the hole (i.e. misleadingly high grade)
c) in an apparently insignificant volume percent of sulphides, but where the hole may in fact pass near the main sulphide zone (i.e. near miss)

Each hole is separated from the next by 50 meters and is on a fence of holes that cross the deposit.

a) The IP/resistivity log of hole D gives strong responses on both the near hole between 185 and 205 m log (a=2.5 m, 5 m) and on the far hole log (a=10, 20 m). The chargeabilities decrease at the main intersection due to the low resistivity of the sulphide body which short circuits the potential electrodes.

b) The IP/resistivity log of hole C gives a strong IP response with a moderate resistivity response in the near hole log and a moderate IP/response on the far hole log. These logs reflect a lower volume percent of chargeable/conductive mineralization that is located about the hole. Interpretation of these logs would lead to downgrading of economic mineralization intersected in hole C.

c) The IP/resistivity log of hole G gives a strong IP response and a moderate resistivity reponse on the near hole logs. The response of the near hole logs

is similar to the near hole log of hole C even though the intersected mineralization is a much lower grade. The far hole logs are much more significant as their IP and resistivity responses are almost as large as those obtained on the far hole log of hole D. Results show that the 10 and 20 meter separations are seeing a much higher volume percent of sulphides than is indicated in the drill core.

A second example of an IP/resistivity log in a carbonate hosted Pb/Zn deposit is taken from Nanasivik Mines located at 70°N latitude on the northern end of Baffin Island.

The project had two primary goals a) to determine if the upper and lower sulphides zones were detectable; b) to determine if the IP/resistivity log would be valid, as the entire hole was drilled in permanently frozen rock and filled with salt brine.

A secondary, research-oriented goal, was to attempt to correlate surface IP spectral data from surface mixed sulphide and barren pyrite zones with chargeability anomalies located in mixed sulphide zones and barren pyrite zones in the drillhole.

Near hole and far hole logs for the Nanasivik drillhole are shown in figures 6 and 7. Both the near hole and far hole IP/resistivity logs have moderate responses at the 120 m and 150 m hole depths, which correlate to the upper and lower ore lenses. The response at 150 m is likely caused by the lower ore lens which, from drill information, is from 0 to 38 m away from the hole. The response at 120 m is quite complex as there is significant pyrite mineralization in the hole. However, the 40 m spacing does give a large response at 135 m which could be a response caused by both sulphide lenses. The marked resistivity low between 80 to 110 m on the 40 m spacing could also be caused by the conductive drilling fluid as the water return was lost from 0 to 100 m. The effect of the brine can also be observed on the resistivity profiles because the resistivity progressively increases with electrode separation. The increase in resistivity is caused by a larger volume of highly resistant, permanently frozen rock being measured with increasing electrode separation, i.e. lesser effect from the relatively highly conducting brine in the borehole.

At the bottom of the hole a large chargeability/resistivity response is associated with a pyrite zone that occurs at the Society Cliff Dolomite - Arctic Bay Shale contact.

The results from the directional array are shown in figure 8. The ore body strikes east-west and lies 0 to 40 m south of the drillhole. The east-west current line gives ambiguous results possibly due to the various pyrite zones in the hole which may not be associated with ore zones. However, some anomolous values occur between 120 and 160 m. The north-south directional log profiles are active between 120 and 160 m; the $\frac{Vp}{I}$ profile on the north-south log points to a body south of the drillhole at 150 m.

Spectral induced polarization information was also recorded on three surface test sites and these results were compared to spectral information data obtained from the IP responses recorded in the drillhole log.

The surface tests consisted of three test sites, for which the spectral data are summarized in figure 9. The dipole-dipole array was employed with a 1 meter electrode separation; n=1 to 4.

The pyrite zone (1111) has a short (tau=1 sec.) time constant; the mixed sulphide zone (3333) has a long time constant ranging between 30 and 100 seconds. These results suggest that the spectral data may allow a discrimination between the pyrite and the mixed sulphides. The Shale unit (2222) was not abnormally chargeable and its response is characterized by a short time constant (.01 to 0.1 sec.).

Spectral parameters were also determined for several IP anomalies in the drillhole log. The time constants at 150 m, which are associated with PbS/ZnS mineralization are similar in the 2.5 m spacing to the response obtained on the surface PbS/ZnS site (1111). The spectral data from an IP anomaly which was associated with pyrite mineralization at a hole depth of 460 m, gives similar short time constants as were recorded on the surface pyrite test (1111).

2. Copper Deposit - Quebec

The following example illustrates how a drillhole IP/resistivity survey can aid the interpretation of surface surveys.

The deposit was indicated to be a sheet dipping north at approximately 10°. Figure 10a shows the gradient array chargeability, resistivity and time constant profiles on two lines which cross the main mineralization with high grade sections which are indicated by solid bars. The disconcerting feature about these profiles is that the main chargeability and resistivity responses did not occur where the drill indicated high volume percent sulphides occur. These sulphides appear to correlate to a shoulder on the main anomaly at 2 south.

As part of the project a drillhole was logged at station 1+75 north on line 00. The drillhole log (figure 10b) clearly shows there are two significant chargeable sulphide zones with associated resistivity lows. The lower anomaly correlates to the main sulphide zone which was the exploration target. The upper anomaly correlates to a less concentrated sulphide zone which is chargeable and moderately resistive. The drillhole log proves that the upper sulphide zone responds geophysically and likely is the main source of the strong chargeability anomaly at 00.

The spectral tau factors were also calculated with the Soft II program. The surface data indicate that the two zones have different time constants. It is important to note the time constant profiles are similar on both lines 00 and 2. This is contradicted by the drillhole data which indicates that both zones have long time constants. Again the test work is incomplete but the spectral data shows promise when used with the standard chargeability/resistivity surface and drillhole data.

3. Uranium Deposit - Saskatchewan (Figure 11)

This example is taken from a fence of holes drilled on a uranium prospect. The resistivity and chargeability profiles show the associated geophysical response of the various lithologic units. These logs would be useful in quantifying the conductivity of various structural features (shear zones) so that the relative porosity of different shear zones etc. can be estimated. Similarily, the relative amount of chargeable material may be important in establishing the relative sulphide/graphite content of the various lithologic units. The sulphides may have formed a favourable reducing environment for uranium deposition which could be important in the formation of associated uranium mineralization.

Also we have found resistivity data from sandstone core to be very unrealiable. Ip/resistivity logging provide accurate in situ physical properties of the various lithologies.

ECONOMICS OF DRILLHOLE IP/RESISTIVITY LOGGING

As with any drillhole logging method the economic benefits of drillhole logging can best be realized on multihole surveys. Today in a lead-zinc district, holes are drilled to 600 meters at a cost of $40,000 to $60,000 each. A detection log and directional log will cost 2 to $3,000 (1 crew a day with report) or approximately 5% of the drillhole cost. The core radius is approximately 5 cm; the radius exploration for the detection log is approximately 20 meters. Therefore, by conducting drillhole IP/resiativity the effective exploration radius of the drillhole is increased by 400 times (40,000%) at an increase in cost of 5%.

Granted this is oversimplified but often stratigraphic drilling is the main exploration methodology for carbonate hosted lead-zinc deposits. Induced polarization/resistivity logs will help decrease the possibility of abandoning a barren hole which in fact is near or in mineralization.

CONCLUSIONS

Current developments in IP/resistivity instrumentation now allow multi parameter IP/resistivity drillhole surveys to be conducted economically. The data can be compiled and presented quickly to be effective in an active drilling program when the microprocessor based receivers are coupled with microcomputers.

These surveys are best applied in or near orebodies to assist in the accurate definition of ore body boundaries and consequently the optimization of mine design. Also they can be applied in exploration projects where mineralized intersections must be evaluated.

REFERENCES

Johnson, I.M., 1983; Spectral IP Parameters as Determined Through Time Domain Measurements. To be presented at the 53rd annual meeting of the S.E.G.

Seigel, H.O., Ehrat, R., Brcic, I., 1980; Microprocessor Based Advances in Time Domain IP Data Collection, In-Field Processing and Source Discrimination. Presented at the 50th annual meeting of the S.E.G.

Wagg, D.M., Seigel, H.O., 1963; Induced Polarization in Drillholes. Printed in the Canadian Mining Journal, April issue.

DETECTION LOGGING ELECTRODE ARRAY

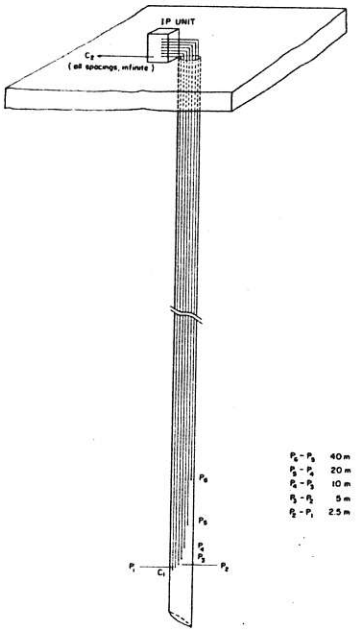


Figure 1

DIRECTIONAL LOG

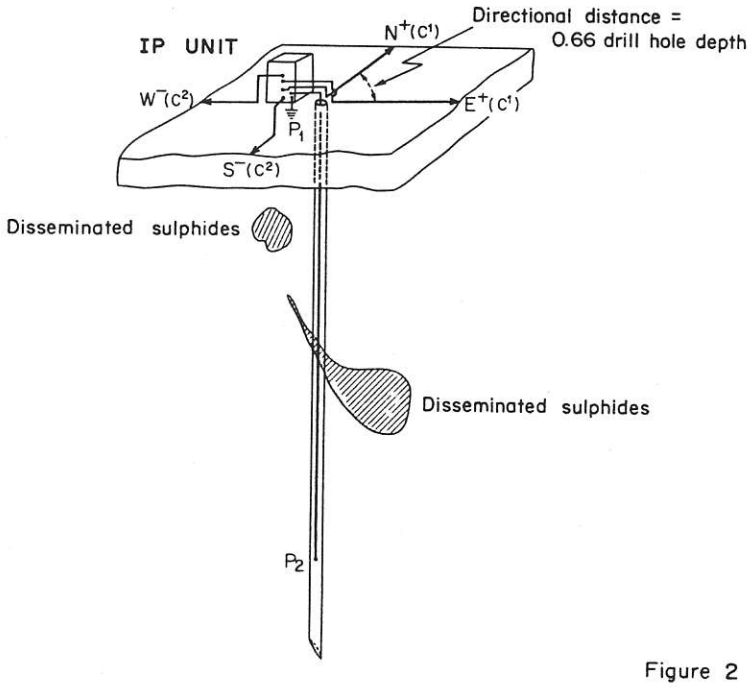
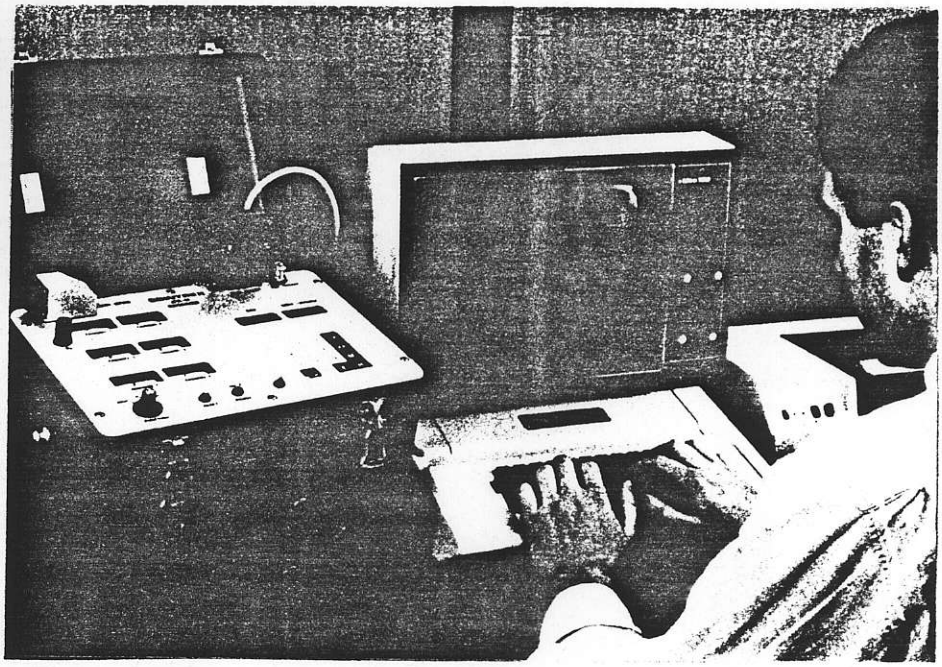
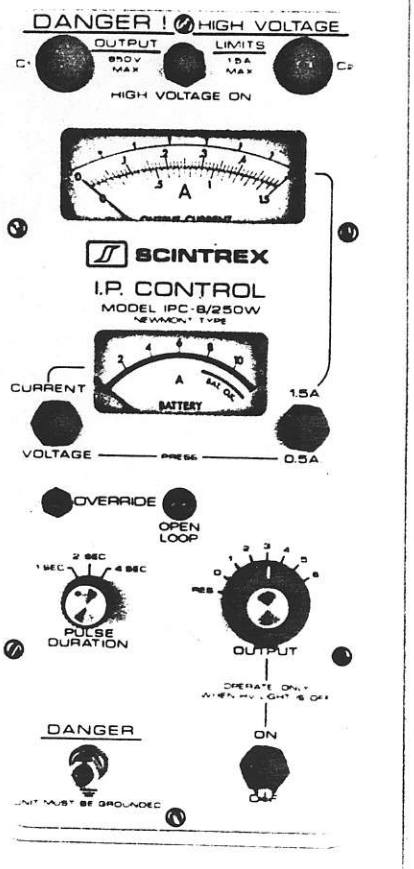


Figure 2

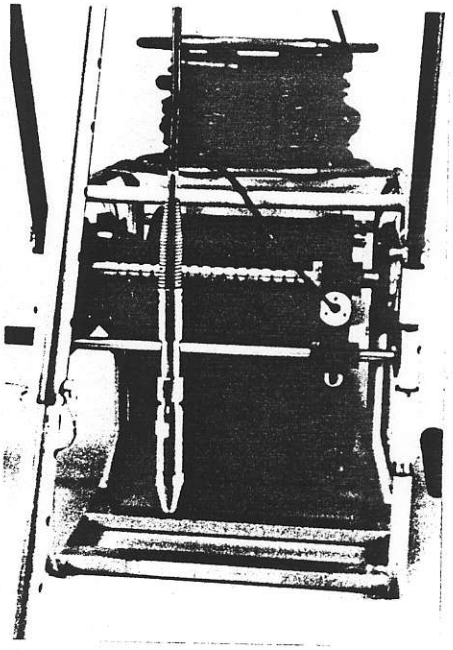


IPR - 11 Receiver

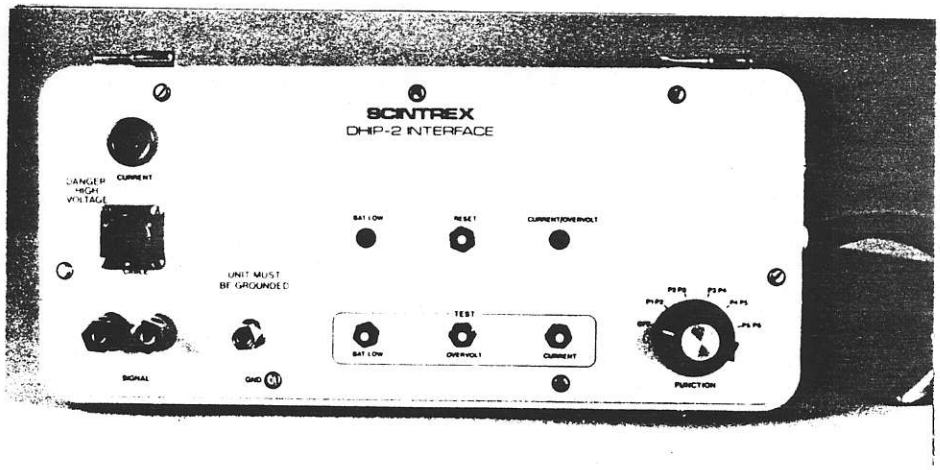
Apple II with Scintrex Soft II Software



IPC-8 - 250 watt transmitter

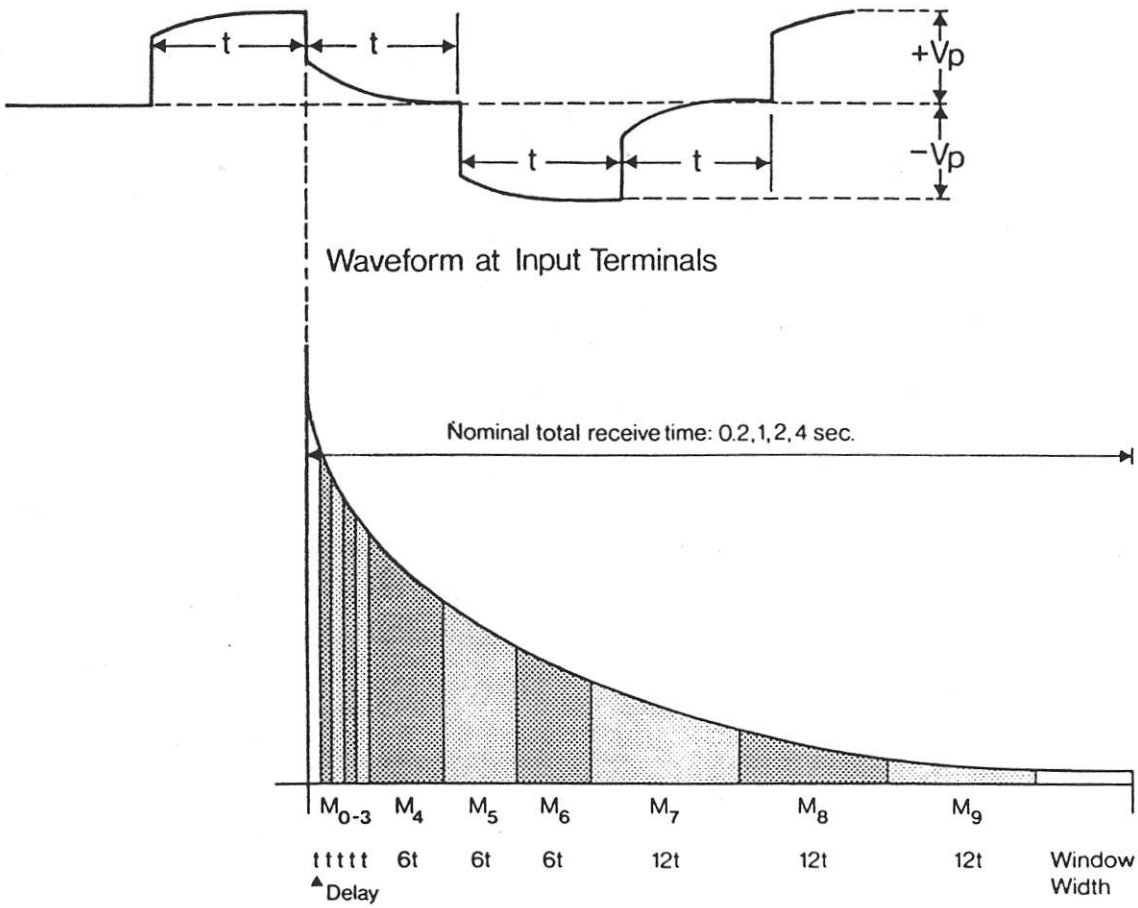


Detail of current electrode showing winch and electrode cable spool.



DHIP-2 Interface Unit.

Figure 3



IPR-11 Timing for the Slices of an IP Decay Curve, where t represents t_{TX}.

IPR-11 Timing Data

MODE Sec.	SLICE	DURATION ms	FROM ms	TO ms	MID-POINT ms
t=2.0	0	30	30	60	45
	1	30	60	90	75
	2	30	90	120	105
	3	30	120	150	135
	4	180	150	330	240
	5	180	330	510	420
	6	180	510	690	600
	7	360	690	1050	870
	8	360	1050	1410	1230
	9	360	1410	1770	1590

Figure 3a

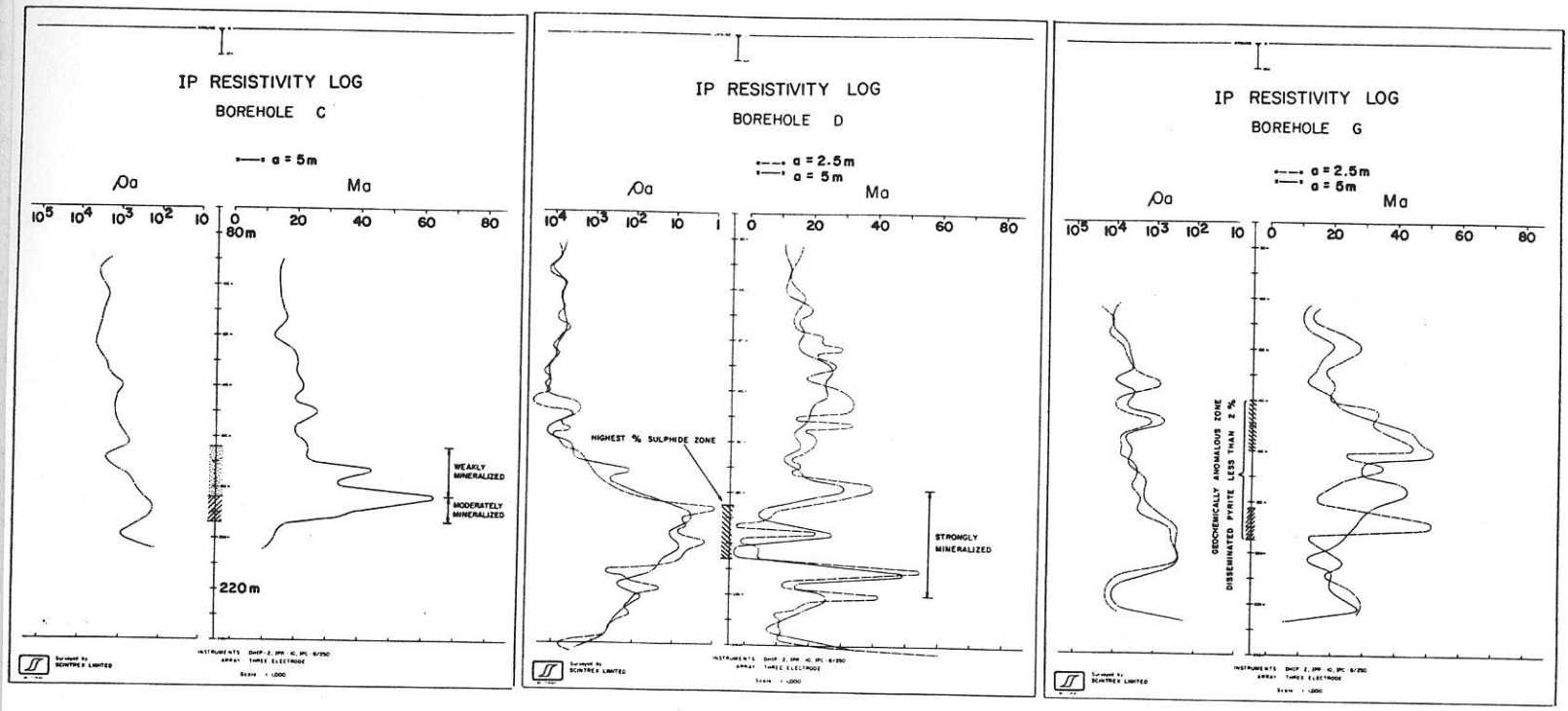


Figure 4

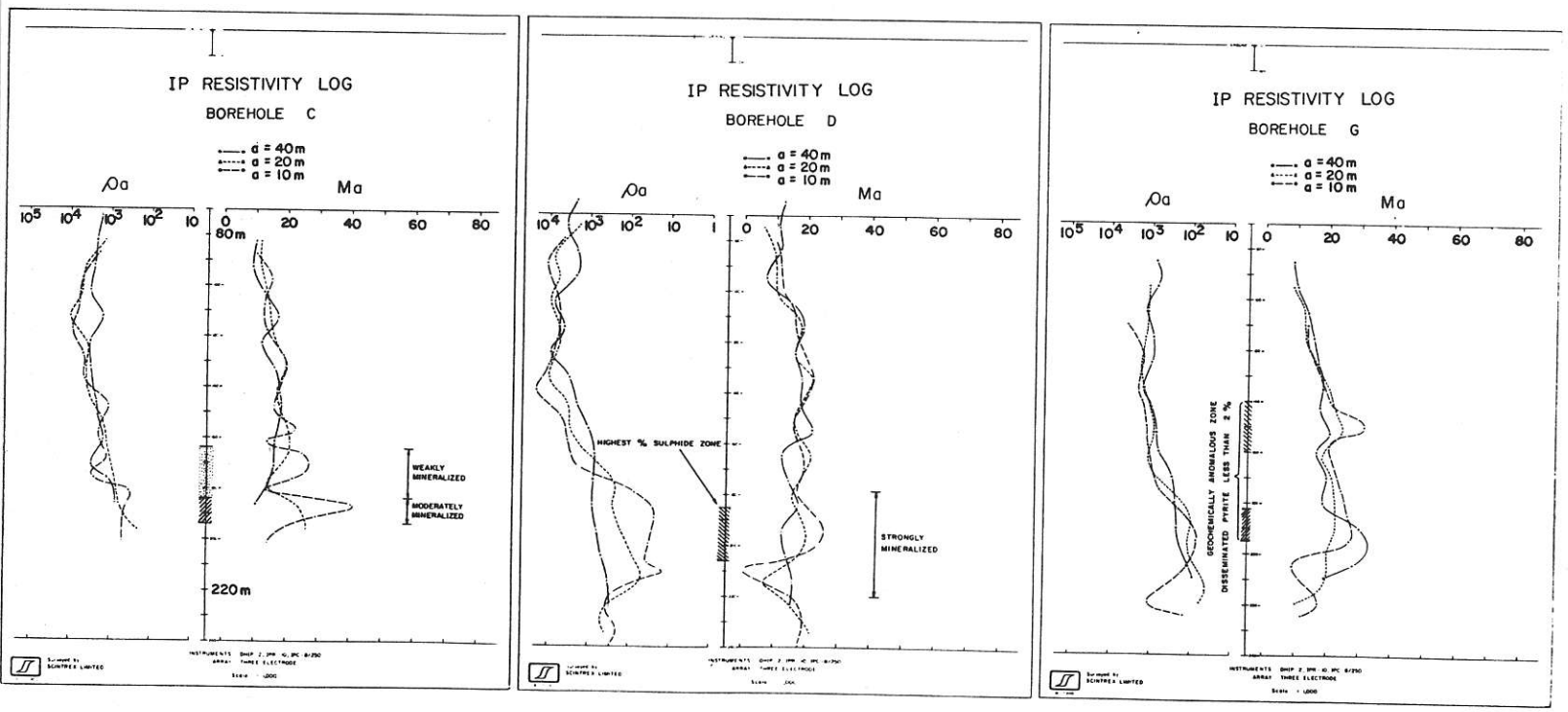


Figure 5

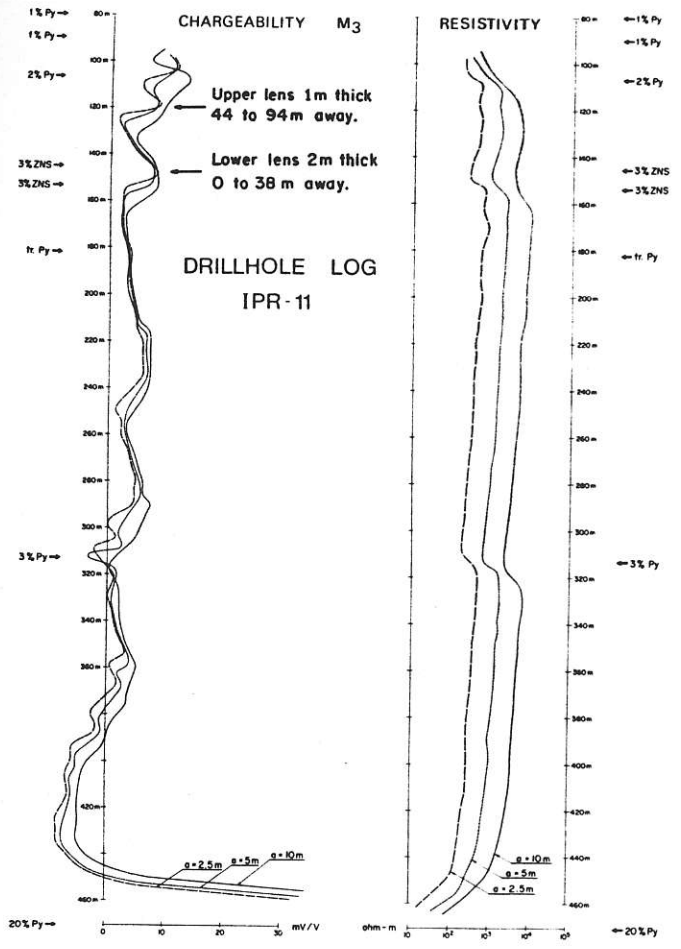


Figure 6

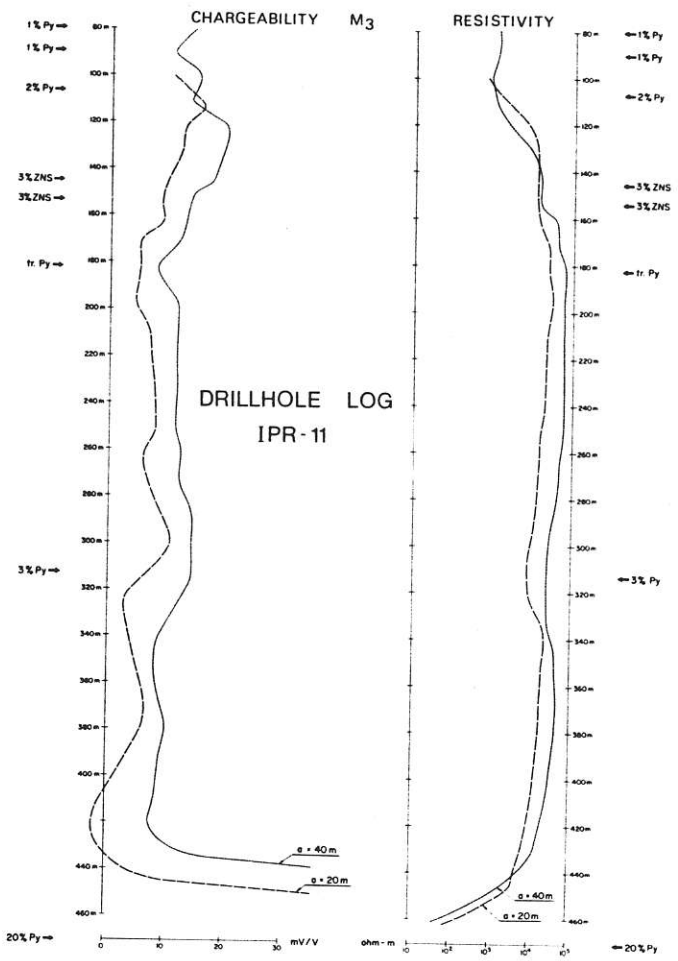


Figure 7

DIRECTIONAL LOG

IPR - 11

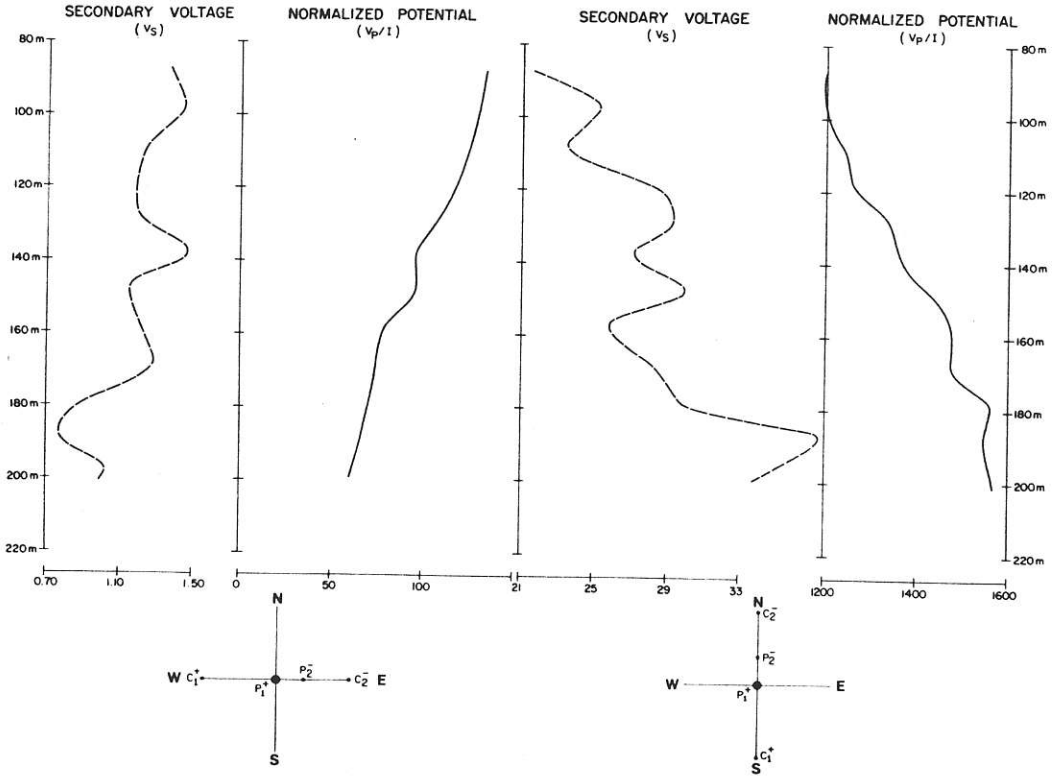


Figure 8

NANISIVIK SPECTRAL IP DATA

MINERAL	ARRAY	SPACING (m)	n value	SPECTRAL PARAMETERS		
				C	M(mV/V)	(sec.) τ
1111 PYRITE SURFACE	DIPOLE - DIPOLE	1m	1 2 3 4	0.4 0.4 0.4 0.2	472.15 408.00 405.00 650.83	1.0 1.0 1.0 30.0
2222 SHALE SURFACE	DIPOLE - DIPOLE	1m	1 2 3 4	0.3 0.3 0.3 0.3	122.20 114.52 98.12 110.82	0.03 0.01 0.03 0.1
3333 ECONOMIC MINERAL PbS, ZnS, FeS_2 SURFACE	DIPOLE - DIPOLE	1m	1 2 3 4	0.2 0.1 0.2 0.2	606.59 1027.73 797.26 820.24	30.0 30.0 100.0 100.0
20% PYRITE at 465m DRILL HOLE	POLE - DIPOLE	2.5m 5.0m 10.0m		0.3 0.3 0.3	373.88 377.52 380.69	3.0 3.0 3.0
3% SPHALERITE & 1% D_3 at 150m DRILL HOLE	POLE - DIPOLE	2.5m 5.0m 10.0m		0.1 0.1 0.4	128.90 114.64 30.14	100.0 0.3 0.3

Figure 9

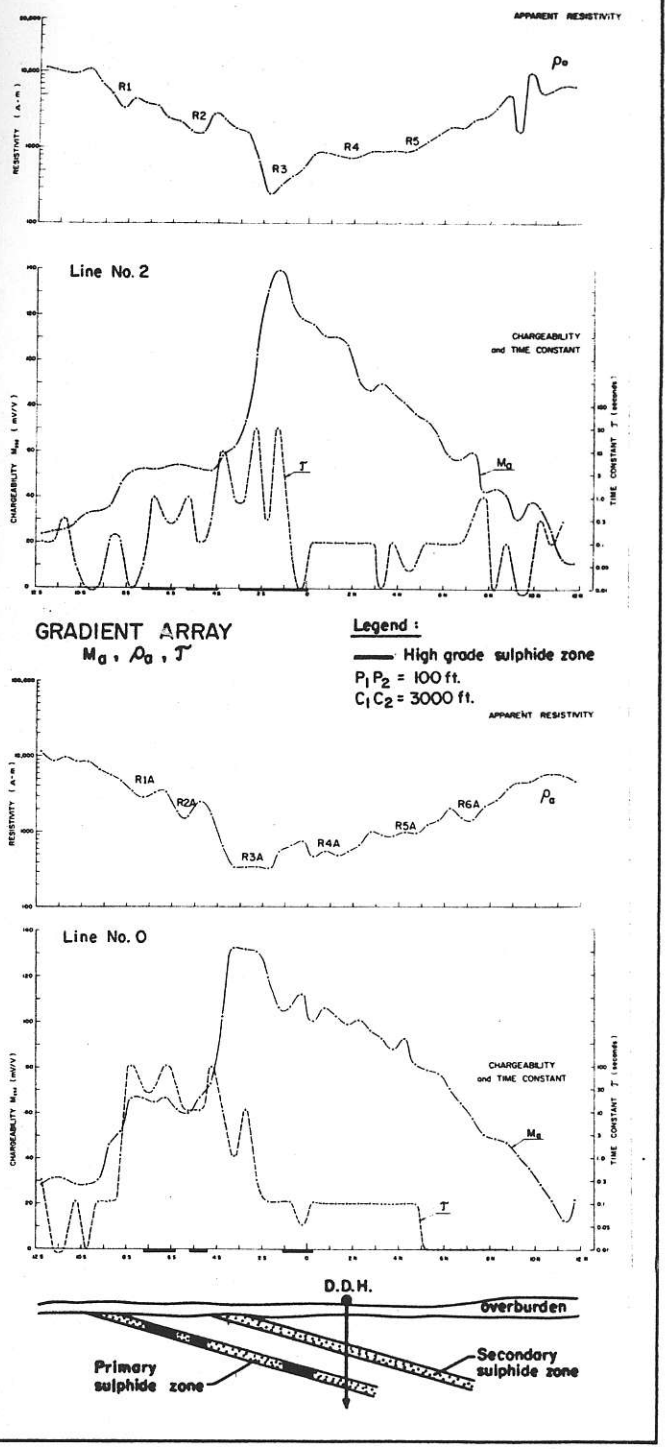
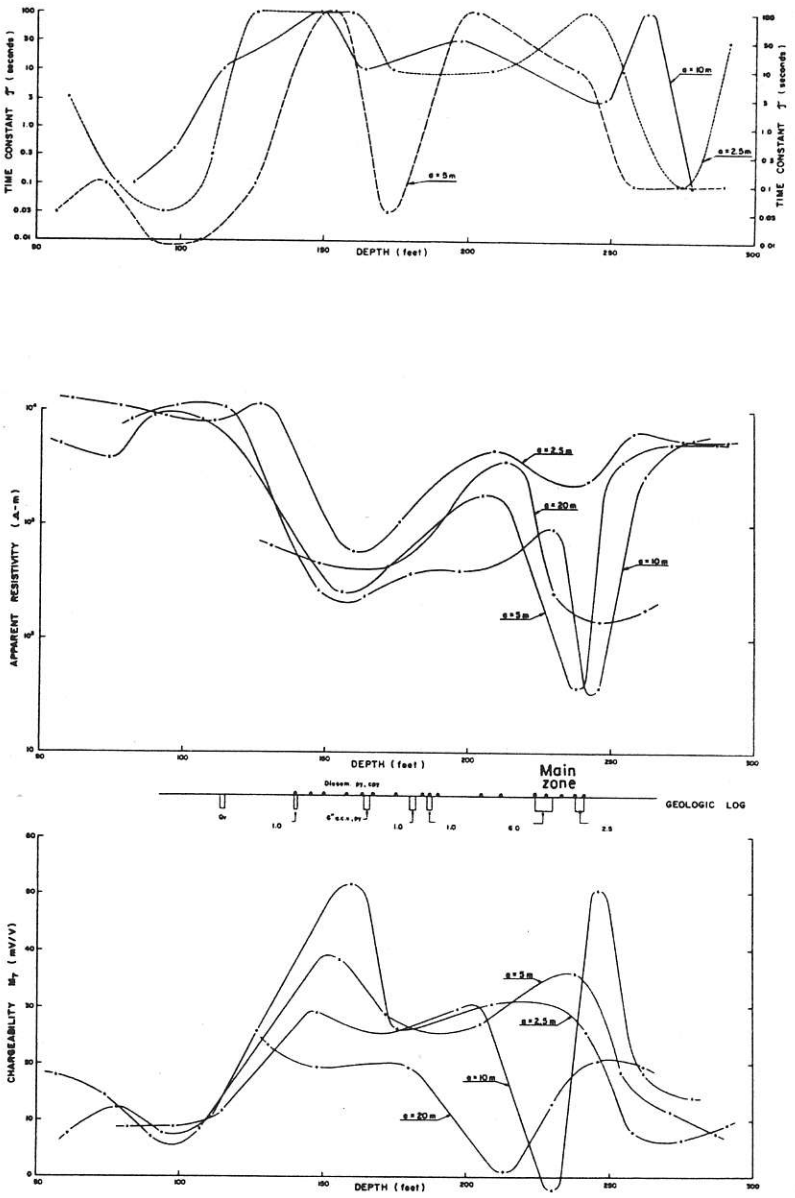


Figure 10 a



D. D. H.

DOWNHOLE - 3 ARRAY

Figure 10 b

IP-Resistivity Log

INSTRUMENTS : DHIP-2, IPR-11, TSQ-2E
ARRAY : THREE ELECTRODE

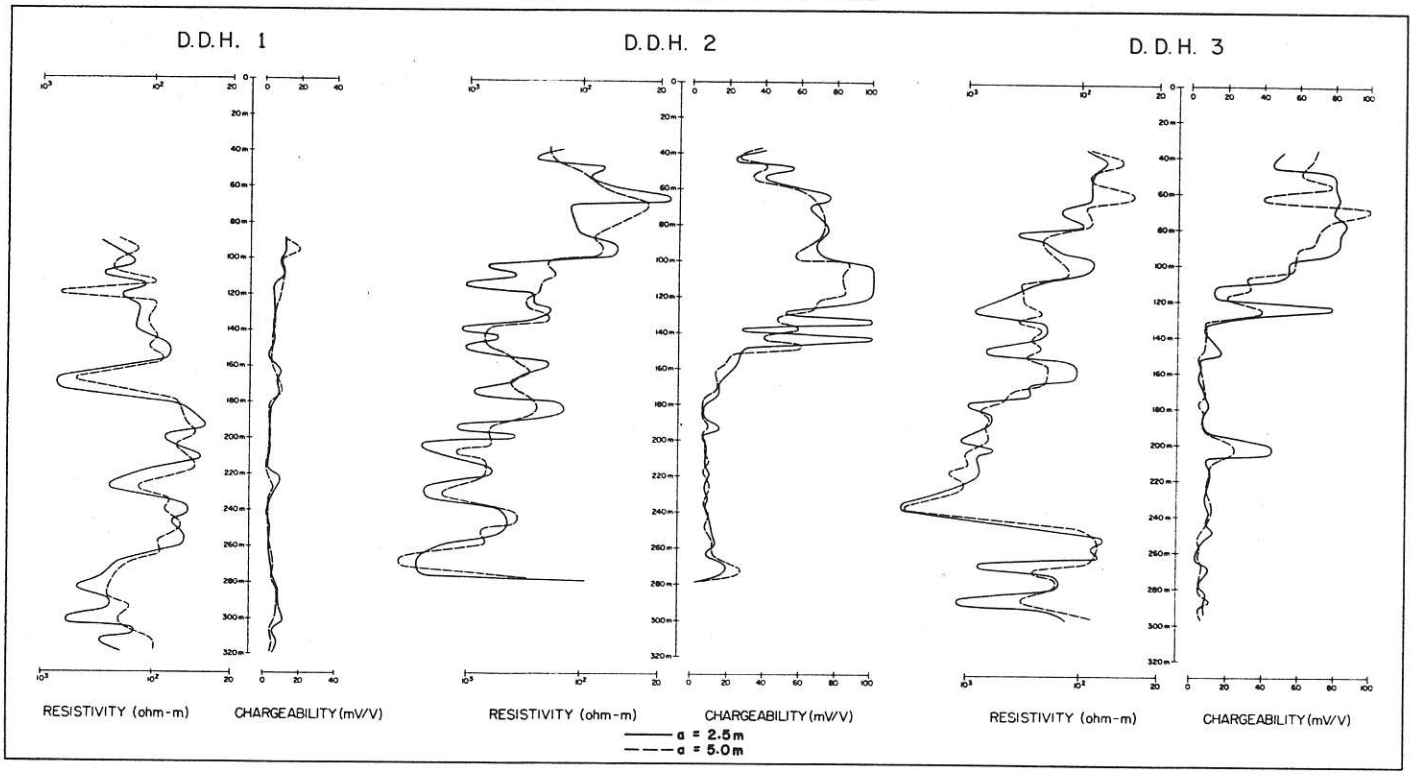


Figure 11

COMPLEX FORMATION RESISTIVITY - THE FORGOTTEN HALF OF THE RESISTIVITY LOG

By

D. D. Snyder, R. H. Merkel, J. T. Williams

Exploration Data Consultants, Inc.

ABSTRACT

Log analysts have recently become reacquainted with the fact that formation resistivity is actually a complex quantity. It has a reactive as well as a resistive component, both of which vary with frequency. The phenomenon has been known and exploited in metal mining exploration for many years. It is commonly referred to as "induced polarization" or IP and more recently as "complex resistivity". The reactive component of the complex formation resistivity is affected by the rocks' cation exchange capacity as well as by the presence of disseminate metallic conductors. Thus, measurements of complex formation resistivity bears importantly on the estimation of shaliness.

Instrumentation for the measurement of the complex formation resistivity in a borehole is discussed. Pulse transient methods are contrasted with the so-called "frequency domain" method and the advantages and disadvantages of each technique are reviewed. Examples of IP logs in two drill hole environments, the shaley sand sedimentary environment, and the disseminated sulfide environment will be shown. Methods for the incorporation of the complex formation resistivity with other log measurements for improving estimates of formation factor are presented. Measurement of complex formation resistivity is a logical and important improvement to a valuable wireline logging measurement which historically provided the foundation for Formation Evaluation. It promises to become an important measurement for estimating, in situ, the parameter of cation exchange capacity or Qv.

INTRODUCTION

Generally speaking, bulk resistivity (i.e. formation resistivity) R_t is a complex quantity. That is at any given frequency, f, R_t possesses a reactive as well as a resistive component. Therefore, when a current of known amplitude and phase is driven through the formation, the signal measured at the receiving electrodes is shifted in phase as well as attenuated in amplitude. The reactive component of the bulk resistivity has been of interest to geophysicists engaged in mineral exploration and evaluation and has been routinely measured for several decades. The term INDUCED POLARIZATION (or IP) is most frequently applied to measurements which include an estimate of the quadrature or reactive part of the formation resistivity. More recently the term COMPLEX RESISTIVITY has gain acceptance.

Although the IP phenomena was originally described by Schlumberger in his now classic monograph Etudé sur la prospection electrique du Sous-Sol (Schlumberger, 1920), the phenomena has not been measured routinely in

drill holes until comparatively recently. Moreover, although potential applications for IP measurements abound, the method has been associated primarily with the search for ore bodies containing disseminated metallic minerals.

IP logs from drill holes have been measured from the very beginning of the development of the IP method. The work reported by Bacon (1965) and Zablocki (1966) is among the first to appear in western European or North American geophysical literature. However, a translation of a Russian paper Dakhnov, et al. (1967) which appeared in the Log Analyst suggests that the Russian and eastern European geophysicists were already well advanced in the development of techniques and applications of the IP log as early as 1952. Last year the IP or COMPLEX RESISTIVITY measurement was introduced to log analysts with a slightly different nomenclature, dielectric constant (Hoyer and Rumble, 1976). However, this is the same phenomena which mining geophysicists have been observing for years. Hoyer and Rumble presented evidence that the dielectric constant in shaley sands can be related to cation exchange capacity. Their work corroborates and extends earlier work by Keller (1960) and Sill (1964). The Hoyer and Rumble investigation has stimulated interest in the measurement of Complex Formation Resistivity in oil wells to help with the shaley sand problem. The purpose of this paper is to report on the state-of-the-art of the measurement of complex formation resistivity in drill holes. The paper includes a discussion of the causes of the IP phenomena, techniques for its measurement, problems related to the measurement of IP in drill holes, and finally some examples of IP logs in metallic and non-metallic mineral environments.

THE IP PHENOMENA

In petroleum formation evaluation, it is common to assume that the formation resistivity or its inverse, conductivity, is a function that is independent of frequency. In clean, porous, sedimentary rocks this is generally true, at least at the frequencies commonly employed in resistivity logging (i.e. $f \leq 0$ {100 Hz}). However, in many igneous or metamorphic rocks and in sedimentary rocks containing clay and/or disseminated metallic minerals such as pyrite, there occurs a marked frequency dependence. For such rocks, the voltage drop measured across a core is shifted in phase when referred to the input current. Thus, the resistivity which is calculated has a resistive (in phase) component and a reactive (quadrature) component. For this reason, the term complex resistivity has been introduced. A more common terminology is the induced polarization (IP) effect.

Complex formation resistivities are caused by a variety of mechanisms including normal dielectric effects, electrode polarization, and membrane polarization. The mechanism of membrane polarization will be discussed first since it produces the induced polarization response in shaley sands. Secondly, the electrode polarization effect will be discussed as a mechanism for the induced polarization of rocks containing disseminated metallic minerals. (For a detailed discussion of these mechanisms, the reader is referred to Marshall and Madden (1959), Keller and Frischknecht (1966), Ward and Fraser (1967) and

Sumner (1976).

Membrane Polarization

In porous rocks, polarization arises whenever the pore paths of the rock are lined with minerals which have a cation exchange capacity (Qv). When electrolyzed or ionized by contact with the pore waters, the surfaces of these minerals selectively retain anions from the solution (Figure 1A).

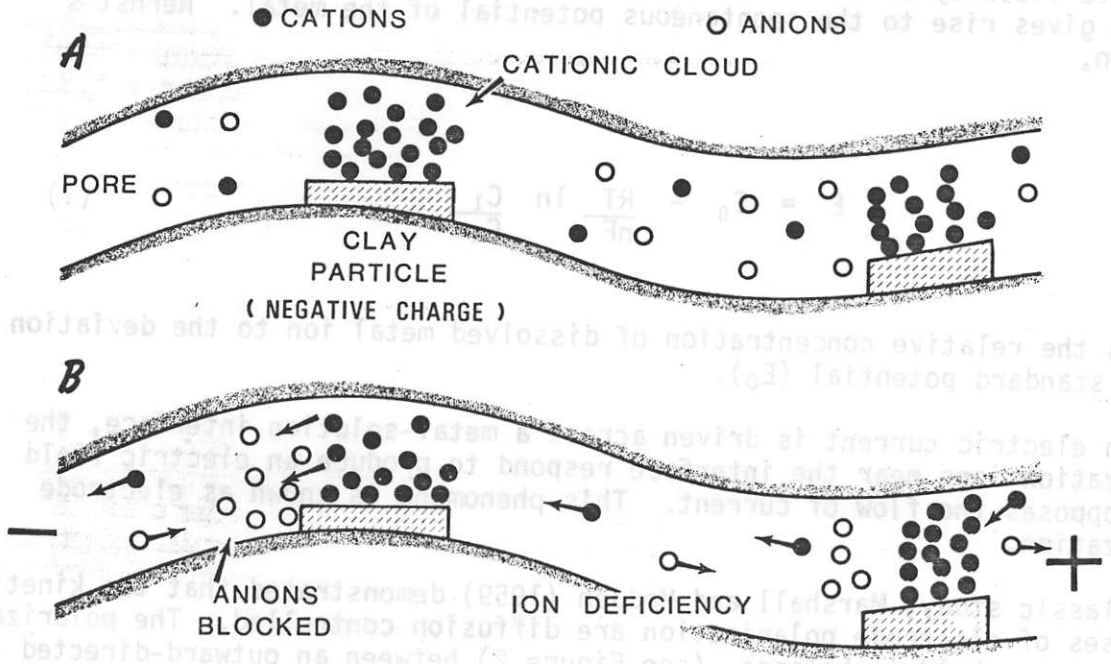


Figure 1

Membrane polarizations due to clay particles
A) before application of an electric potential
B) after application of a dc potential

The presence of the immobile negative charges causes cations to cluster wherever such mineral grains exist. Unbound ions have markedly different mobilities within such a system, since solution cations (plus charges) are easily transferred through the cation charge clouds but movement of solution anions (negative charges) is impeded due to the opposite charge between the cation cloud and the mobile anion. When an electric field is applied (Figure 1B), the impairment of anion mobility produces a field which tends to oppose the flow of current. This same mechanism causes the membrane potential term of the SP effect (Doll, 1948).

Electrode Polarization

Native metals and conducting metal sulfides commonly display spontaneous potentials in soils and rocks. This potential arises from the natural tendency of the metal to dissolve in adjacent solutions, producing a dilute solution of metal cations at the interface. Since they are attracted by their image charges on the metallic surface, the cations are not able to escape the immediate vicinity of the interface. The separation of positive and negative charges gives rise to the spontaneous potential of the metal. Nernst's equation,

$$E = E_0 - \frac{RT}{nF} \ln \frac{C_1}{C_2} \qquad (1)$$

relates the relative concentration of dissolved metal ion to the deviation from a standard potential (E_0).

When an electric current is driven across a metal-solution interface, the polarization ions near the interface respond to produce an electric field which opposes the flow of current. This phenomena is known as electrode polarization.

In a classic study, Marshall and Madden (1959) demonstrated that the kinetic processes of electrode polarization are diffusion controlled. The polarization ions are held in balance (see Figure 2) between an outward-directed diffusion force and an inward-directed electric attraction. External currents upset this balance, creating an electric field which opposes the flow of current. The impedance encountered at the interface is inversely proportional to the square root of the frequency with a nearly constant phase lag of 45°. The equations which describe this dynamic situation reduce to Nernst's equation under the static condition where the external current is zero. (Nilsson, 1971). Thus, the spontaneous potential of metallic minerals is a special static case of the more general electrode polarization phenomenon.

MEASUREMENT OF IP

Any frequency or time dependence exhibited in resistivity measurements at

audio or sub-audio frequencies where electromagnetic propagation effects and dielectric effects may be discounted, are generally referred to as induced polarization (IP) effects. There are two principal methods for measuring these effects:

1. Time-domain Method (Pulse Transient)
2. Frequency Domain

Provided that the measurements are made at sufficiently low current densities (i.e. < 10 μamp/cm^2) wherein the IP effects are linear, measurements using the two methods are directly related through the Fourier Transform.

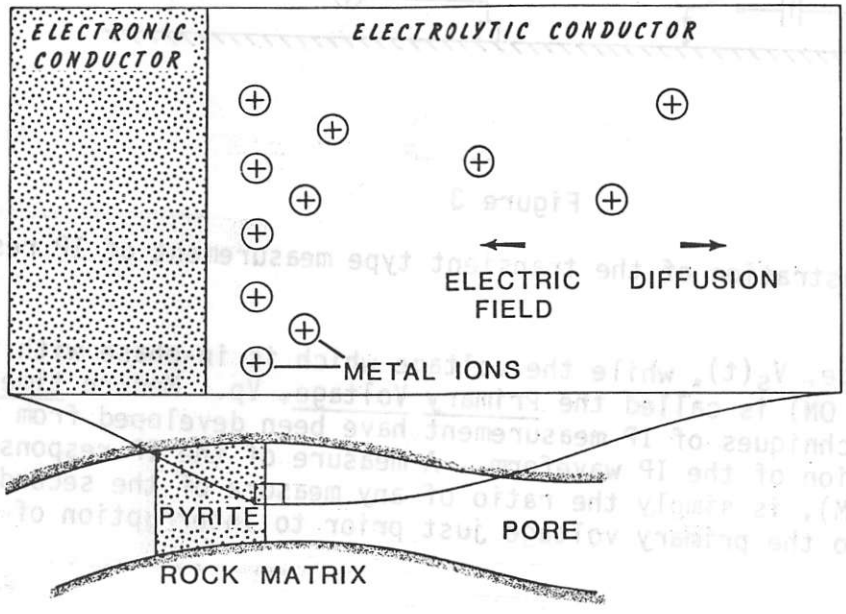


Figure 2

Electrode polarization due to pyrite in the pore space

Time-Domain Measurements

When a constant current in the earth, a core, or other polarizable material is abruptly terminated, it is observed that the voltage monitored between two points (resulting from the passage of the current) does not immediately drop to zero (Figure 3). Instead, the voltage drops to some voltage, $V_s(o)$ and thereafter decays with time toward zero. The decay voltage, which is in quadrature with the current (during current OFF time) is called the

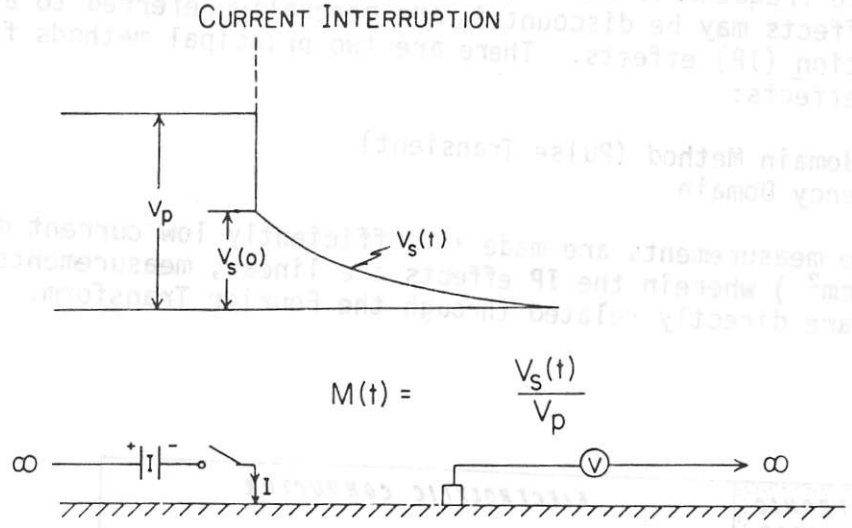


Figure 3

Schematic illustration of the transient type measurement of IP response

Secondary Voltage, $V_s(t)$, while the voltage which is in-phase with the current (during current ON) is called the Primary Voltage, Vp. Modern time domain or transient techniques of IP measurement have been developed from this very simple description of the IP waveform. A measure of the IP response, called chargeability (M), is simply the ratio of any measure of the secondary voltage $V_s(t)$ to the primary voltage just prior to interruption of the current.

That is:

$$M(t) = \frac{V_s(t)}{V_p} \qquad (2)$$

Note that the units of chargeability as defined above are dimensionless. However, it is customary to express the secondary voltage in millivolts and the primary voltage in volts since the secondary voltage is, generally speaking, one or two orders of magnitude less than the primary voltage. Thus, one often finds time domain response referred to in units of millivolts/volt. Less frequently, units of percent are used, 1 percent being equivalent to 10 mv/v. State-of-the-art analog IP receivers have a sensitivity of approximately 1 mv/volt.

The definition of chargeability suggested in Figure 3 indicates that it is a function of time. Thus, there are an infinite number of possibilities for the definition of a single parameter which characterizes the measured chargeability of IP response. Much of the ongoing IP research today is focussed toward studying the total decay curve shape and, equivalently, the frequency spectra of the IP phenomenon to determine additional information pertaining to the nature of the source of the IP response. At present, there is encouraging evidence to suggest that decay curve or spectral analysis is effective in differentiating between responses due to the membrane polarization (clay response) and electrode polarization (disseminated metallic minerals) (Zonge and Wynn, 1975). Other work (Pelton, 1977) indicates that IP decay curves or spectra are affected by rock type, mineral grain size, and distribution in the pore system. Much controversy and contradictory evidence surrounds the question of whether decay transient or spectral analysis will be useful in identifying the actual polarizing mineral.

Modern time domain IP surveying instrumentation provides an efficient way of periodically repeating the experiment described in Figure 3. The time domain transmitter periodically pulses the current circuit. In addition, it commutates the polarity of the pulses. The transmitted waveform is illustrated in Figure 4.

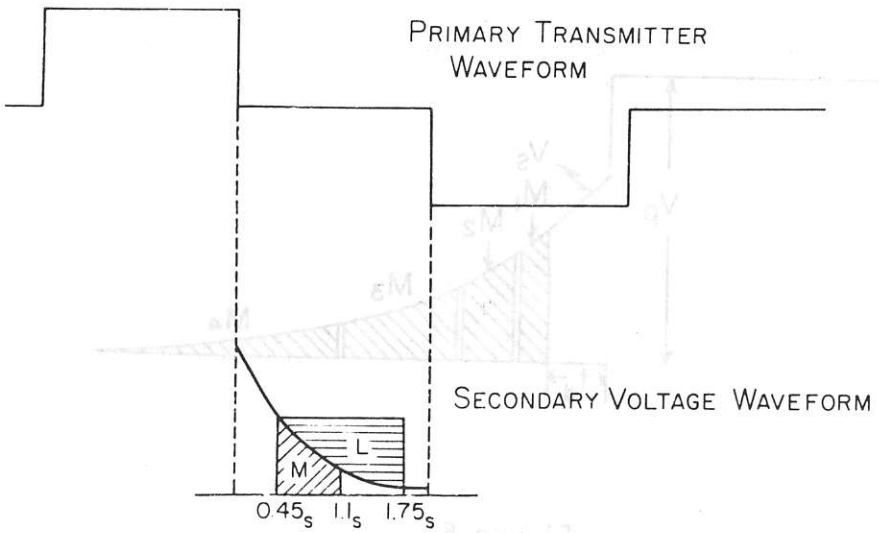


Figure 4

Definition of the Newmont IP parameters "L" and "M"

It is standard practice for the current ON time to equal the current OFF time (i.e. a 50% duty cycle). Occasionally, the duty cycle is varied to study saturation effects. For surface work, an 8 sec waveform (2 sec off, etc.) is standard. For logging and laboratory work, other periods are often employed.

Because of the low level of the secondary voltage, it is standard practice to integrate under a portion of the decay curve instead of simply sampling it. Figure 4 illustrates the chargeability gate which is more or less standard in North America where the time domain method was developed and to a great extent improved and perfected by Newmont Mining Co. (Brant and Gilbert, 1952). The single "Newmont" gate provides a standard chargeability number and is routinely used in surface exploration. In this case, since there is an integration with time, the units of the Newmont chargeability become millivolt-sec/volt or milliseconds. The L integration gate (Figure 4) provides a simple mechanism for the identification of unusual decay curve shape. The L gate as defined in Figure 4 is such that when a standard decay curve shape is encountered, the ratio of L/M is equal to about 0.8. Other time domain IP receivers are available which measure more than one gate along the decay curve, and therefore provide more data relating to decay curve shape (Figure 5).

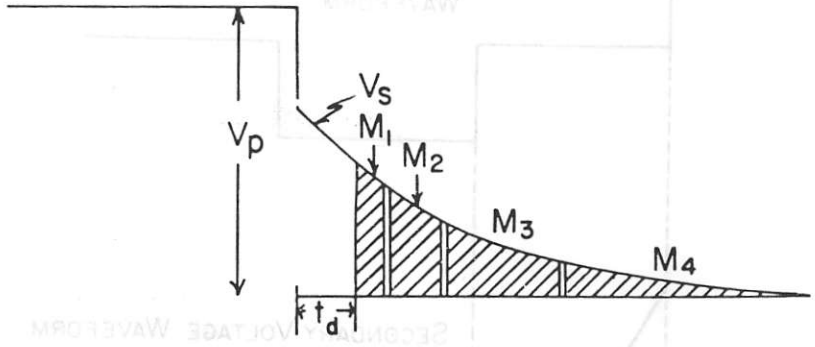


Figure 5

Typical chargeability gate definition on a multigate time domain IP receiver

Frequency Domain Measurements

The induced polarization phenomenon manifests itself in a number of ways when working with harmonic excitation. Historically, IP was first observed in the frequency domain by making resistivity measurements at different frequencies. When IP is present, the resistivity generally decreases with increasing frequency. There are cases where the reverse is true, but these cases can usually be explained by complex geometries. Figure 6 (after Clavier et al. 1976) illustrates the relative resistivity of a pyritic core as a function of frequency. One measure of the IP effect is the percentage change in the resistivity per decade change in frequency. This parameter is called percent frequency effect.

$$PFE = \frac{R(f) - R(10f)}{R(f)} \times 100 \qquad (3)$$

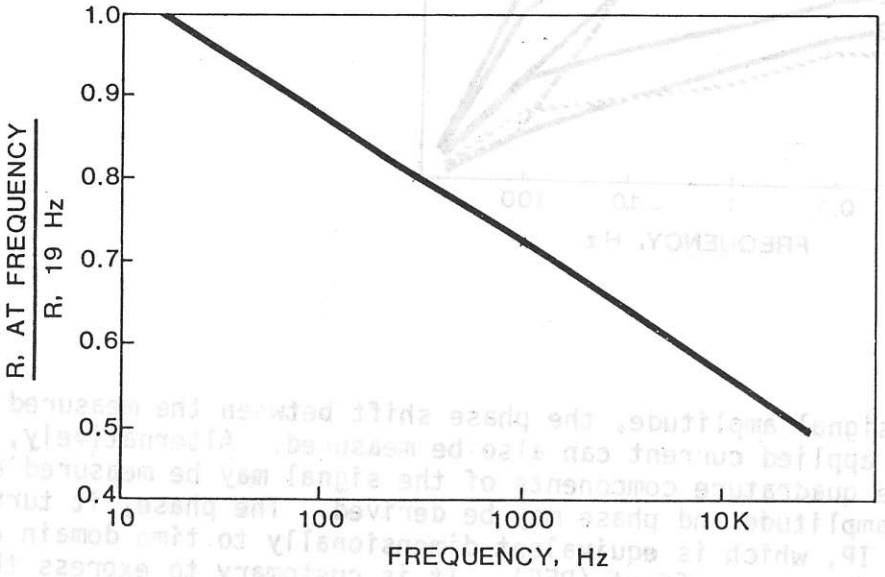


Figure 6

Frequency effect of a pyritic core (after Clavier et al. 1976)

Using Equation (3), the data in Figure 6 suggest a frequency effect of 18%. Note that for this particular sample, the frequency effect is nearly constant over three decades of frequency. This is frequently the case where the IP effect varies slowly with frequency. Figure 7 (after Sill, 1964) illustrates

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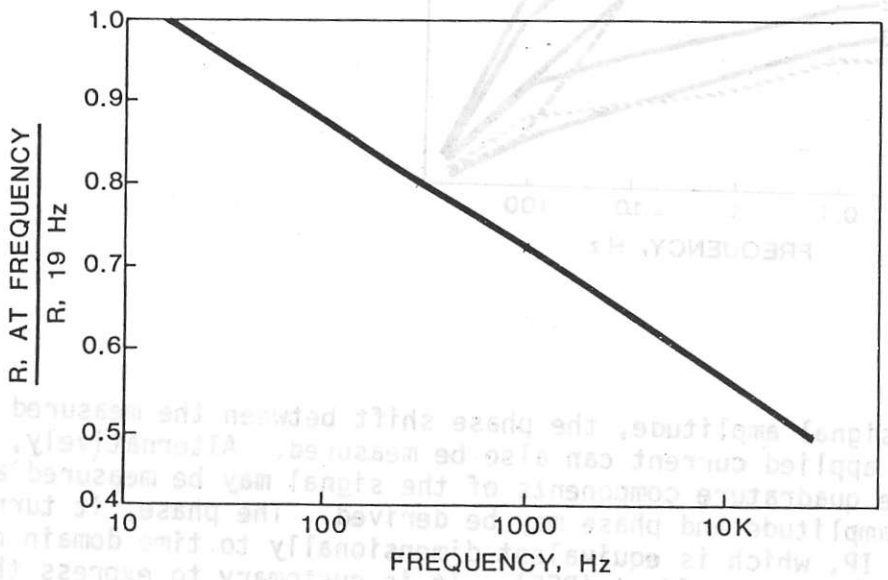

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the frequency effect for a suite of clay-bearing sandstones. Again, these data show remarkably uniform frequency effects from 0.1 Hz to 100 Hz. These data exhibit frequency effects of 1 percent and less. Instruments which measure the frequency effect parameter as a measure of IP are sensitive to within a few tenths of a percent.

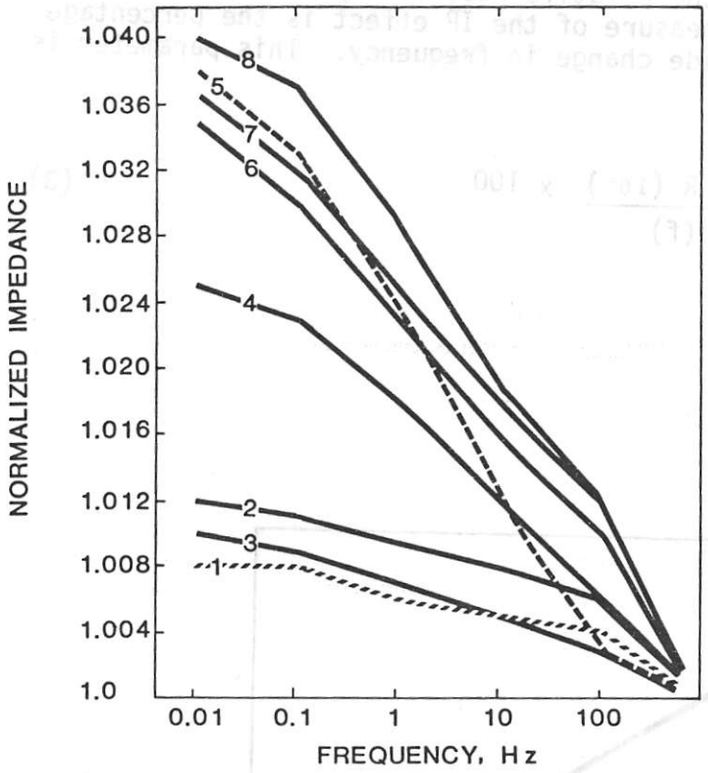

Figure 7

Frequency effect of some clay-bearing sandstones (after Sill, 1964)

In addition to signal amplitude, the phase shift between the measured voltage and the applied current can also be measured. Alternatively, the in-phase and the quadrature components of the signal may be measured and therefrom, the amplitude and phase may be derived. The phase, it turns out, is a measure of IP, which is equivalent dimensionally to time domain chargeability (M) and frequency effect (PFE). It is customary to express the phase in milliradians. Moreover, the dimensional equivalence of phase with chargeability may be seen if it is recalled that for small angles (usually the case in IP) the phase is simply the ratio of the quadrature voltage $V_Q(f)$ to the in-phase voltage $V_I(f)$. That is, given

$$V_f = V_I(f) + jV_Q(f),$$

then, if $V_Q << V_I$,

$$\phi \cong \frac{V_Q(f)}{V_I(f)} . \qquad (4)$$

Phase resolution of 1 milliradian is generally obtainable. However, new digital systems have been developed with resolutions of nearly 0.1 milliradians. A milliradian of phase is roughly equivalent to a chargeability of 1 mv/v. Figure 8 illustrates a typical broadband complex resistivity spectrum (after Van Voorhis et al. 1973) measured in situ in an igneous porphyry copper environment. These data exhibit remarkable uniformity of phase and a log linear decrease in the amplitude similar to that illustrated in Figures 6 and 7.

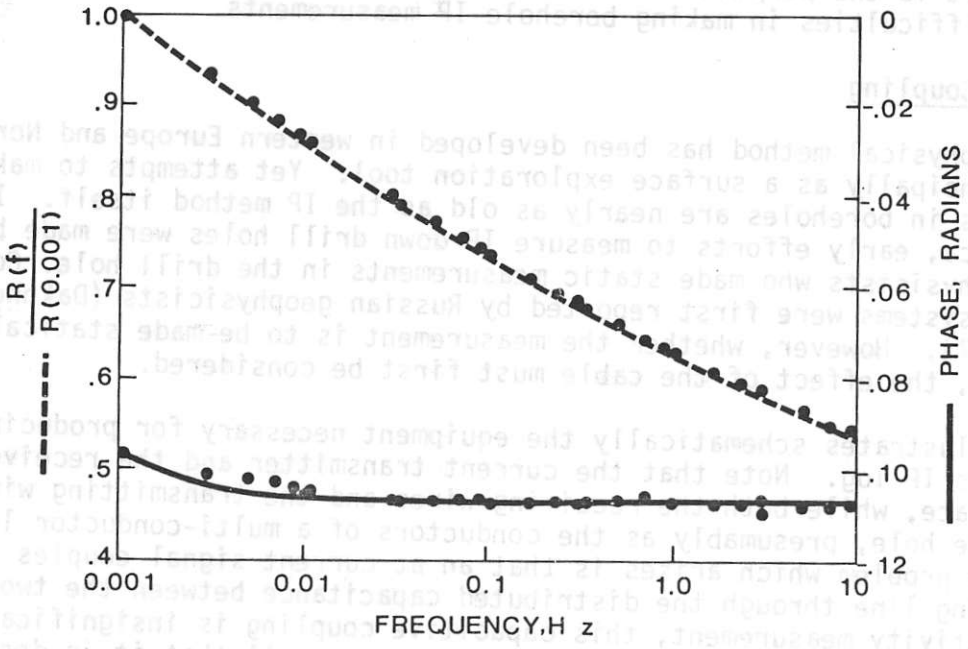

Figure 8

Frequency effect of a porphyry copper (after Van Voorhis et al. 1973)

Remarks

Although there are a number of different methods or parameters by which the induced polarization (IP) phenomenon can be characterized, most investigators

agree on the basic equivalence among the three parameters described here (i.e. chargeability (M), frequency effect (PFE), and phase (Ø)). Furthermore, present analog systems for field or logging use are currently able to measure IP with a sensitivity of roughly one part per thousand, (i.e. ± 1 mv/v, ± 0.2 PFE, ± 1milliradian). Newly developed digital systems are capable of making measurements with an increase in sensitivity of nearly a factor of 10. Moreover, these instruments are capable of measuring over a broader band of frequencies, or alternatively, sampling the entire decay curve for a better characterization of the IP response.

MEASUREMENT OF IP IN THE BOREHOLE

From the preceeding sections, one might gain the impression that the IP measurement is a simple extension of the resistivity measurement, requiring only a receiver capable of making some type of quadrature measurement. In principle it is. In practice, however, unless considerable care is taken with the equipment used, there are effects which can be introduced into the signal which are indistinguishable from IP effects. Nowhere are these practical difficulties more evident than when IP is to be measured in the borehole. It is the purpose of this section to discuss briefly some of the practical difficulties in making borehole IP measurements.

Capacitive Coupling

IP as a geophysical method has been developed in western Europe and North America principally as a surface exploration tool. Yet attempts to make the measurements in boreholes are nearly as old as the IP method itself. In North America, early efforts to measure IP down drill holes were made by mining geophysicists who made static measurements in the drill hole. Continuous logging IP systems were first reported by Russian geophysicists (Dakhnov and others, 1967). However, whether the measurement is to be made statically or dynamically, the effect of the cable must first be considered.

Figure 9 illustrates schematically the equipment necessary for producing a continuous IP log. Note that the current transmitter and the receiver are on the surface, while both the receiving wires and the transmitting wires run down the hole, presumably as the conductors of a multi-conductor logging cable. The problem which arises is that an ac current signal couples into the receiving line through the distributed capacitance between the two wires. For a resistivity measurement, this capacitive coupling is insignificant except at extremely low resistivities. However, recall that it is desirable to measure IP with a sensitivity of at least one part per thousand. This means that if the primary voltage (see Figure 3) of the received signal is 1 volt, then the secondary voltage must be measured with a resolution of 1 millivolt. At these signal levels, capacitive coupling effects can be appreciable. It is standard practice in the mining industry to use special cables which have shielded current and potential wires. Furthermore, since capacitive effects decrease with frequency, low frequencies (i.e.f < 1Hz) must be employed. In many situations in mining exploration where station

IP logging is normally performed at large spacings (i.e. low signal levels), it is necessary to resort to shielded cables. For this case, it is acceptable to use very low frequencies. However, for deep holes and continuous logs, there are two objections to the mining approach. First, a special shielded cable suitable for IP logging costs 3 to 4 times what a standard armored logging cable costs. Secondly, if continuous logs are to be obtained, it is desirable to use as high a frequency as possible, in order to obtain data resolution at a reasonable speed. A typical continuous IP log is run at frequencies of from 1 Hz to 5 Hz and at logging speeds around 10-20 ft/min.

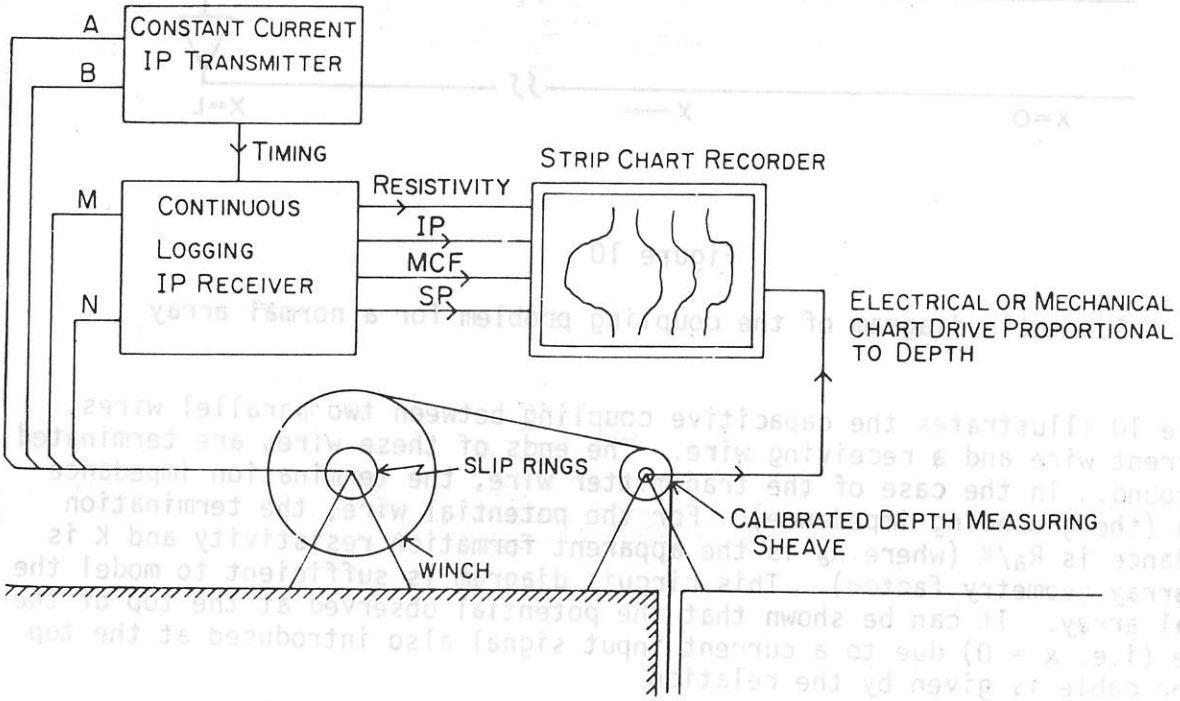

Figure 9

Schematic diagram of the elements of a continuous resistivity/Ip logging system

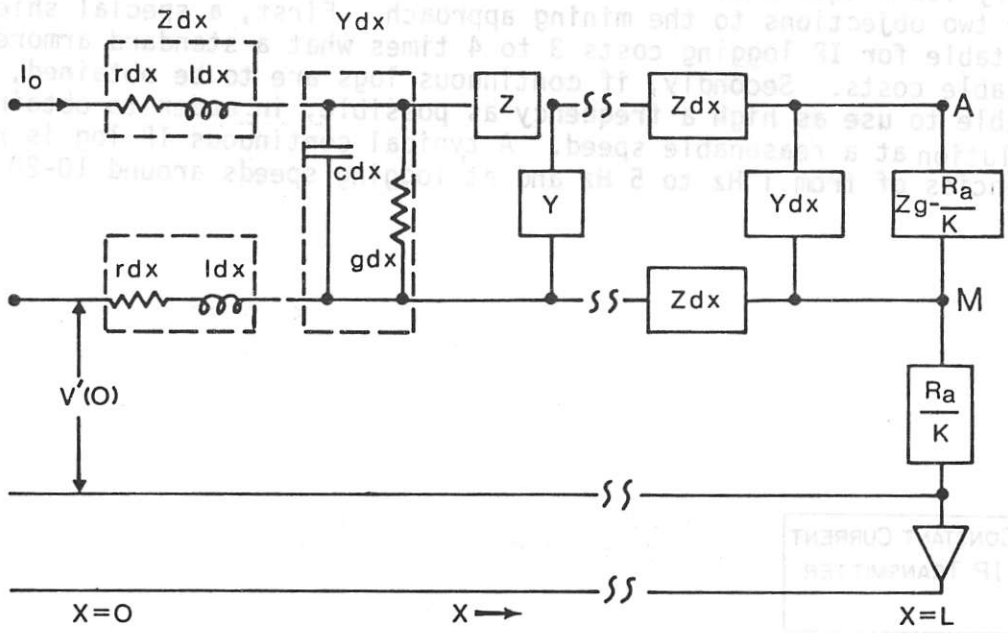

Figure 10

Schematic diagram of the coupling problem for a normal array

Figure 10 illustrates the capacitive coupling between two parallel wires, a current wire and a receiving wire. The ends of these wires are terminated to ground. In the case of the transmitter wire, the termination impedance is Zg (the grounding impedance). For the potential wire, the termination impedance is R_a/K (where R_a is the apparent formation resistivity and K is the array geometry factor). This circuit diagram is sufficient to model the normal array. It can be shown that the potential observed at the top of the cable (i.e. x = 0) due to a current input signal also introduced at the top of the cable is given by the relation

$$\frac{V_o'(0)}{I_o} = \frac{Z_o}{2\sqrt{2}}\left[A\,(1 - \cos\sqrt{2}\,\gamma L) + \sin\sqrt{2}\,\gamma L\right] + \frac{R_a}{K} - \frac{Z}{2}L \qquad (5)$$

where,

$$A = \frac{Z_o \sin\sqrt{2}\,\gamma L - \sqrt{2}\,(Z_g - R_a/K)\cos\sqrt{2}\,\gamma L}{Z_o \cos\sqrt{2}\,\gamma L + \sqrt{2}\,(Z_g - R_a/K)\sin\sqrt{2}\,\gamma L}$$

L = The length of the cable

γ = Complex wave number for transmission line propagation ($\gamma = \sqrt{ZY}$)

Z_o = The characteristic impedance of the cable (i.e. $Z_o = \sqrt{Z/Y}$)

Z = The series impedance/unit cable length of each wire ($z = r + j\omega l$)

r = Resistance per unit length, l = inductance per unit length

y = The transverse admittance between the two lines per unit length ($y = g + j\omega c$; g = conductance/unit length, c = capacitance/unit length)

Z_g = The grounding impedance

R_a = The apparent resistivity factor

K = The electrode array geometry factor

Note that at zero frequency or for cases in which the complex wave-number has an amplitude much less than one (i.e. $|\gamma| << 1$), Equation 5 reduces to:

$$\frac{V'(o)}{I_o} = \frac{R_a}{K}$$

or

$$R_a = \frac{KV'(o)}{I_o} \qquad (6)$$

Therefore, under these conditions, the proper resistivity is measured.

Figure 11 is a plot of the amplitude and phase of the received signal (Equation 5) as a function of frequency. Cable parameters were chosen to simulate a type 4HO 4-conductor armored logging cable. The figure shows the ratio of measured apparent resistivity to actual apparent resistivity for a one meter normal array, plotted in units of decibels. Also shown is the difference in phase between the resistivity signal at the M electrode and the signal measured at the surface. The abscissa is the frequency of the transmitted current. The cable was assumed to be 5,000 ft long. Departures from 0 db on the decibels curve correspond to errors that would occur in the measured resistivity.

It is apparent that at 100 Hz, capacitive cable effects can be appreciable at resistivities of less than 10 ohm-meters. The phase departure would be unacceptable for resistivities of less than 10 ohm-meters for signal frequencies higher than 10 Hz. Fortunately, much of the coupling effect is canceled if a downhole current return is used. Therefore, acceptable IP measurements can be made using unshielded cables, relatively short arrays, and frequencies of less than 10 Hz.

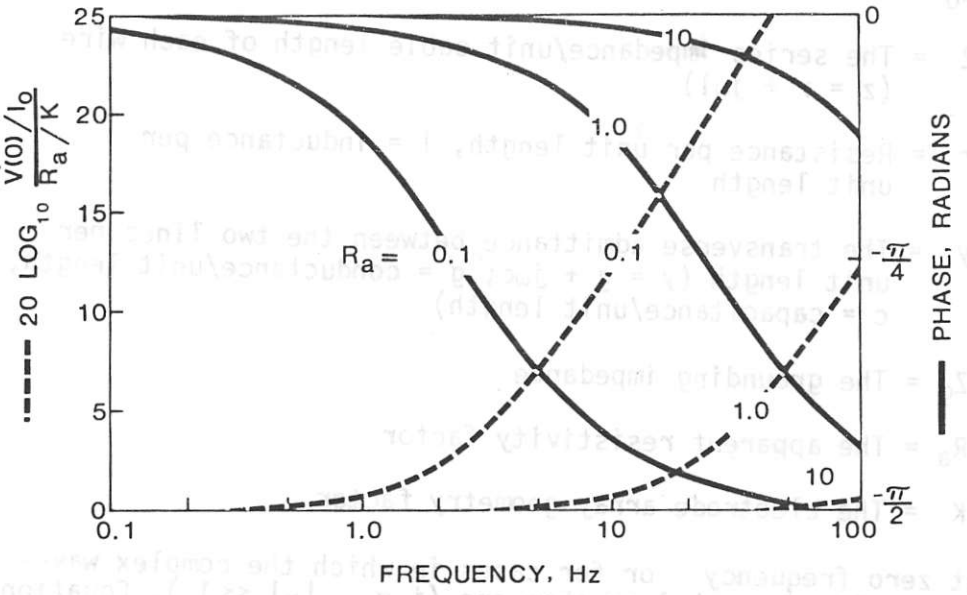

Figure 11

The frequency dependence of amplitude and phase for the coupled normal array

Although the capacitance coupling effects are appreciable for the cable model illustrated in Figure 10, in practice the coupling problem is mitigated by placing the current return downhole. Provided the cable is symmetrical so that each current line couples equally into the potential wire, the opposite polarity of the current in the return wire causes a coupling effect which cancels the effect of the other current wire. Of course, no cable is ever perfectly symmetrical, nor are the parameters of the various conductors identical. However, experience shows that for small arrays, at least, the coupling is reduced so that excellent IP logs can be obtained if both current electrodes are placed downhole.

Figures 12 and 13 illustrate a series of resistivity/IP logs taken with 0.1 m normal and 0.4 m normal arrays. The sonde geometry is illustrated diagrammatically in Figure 14. Both these arrays use a borehole current return (B_1B_2). The reference electrode for the normal arrays was the mud pit. In Figure 12, the logs on the far right, labeled "RESISTIVITY" and "IP" were measured using a time domain measurement technique with a repetition rate of 5 Hz and a 50 percent duty cycle. The three logs on the left identified as "PHASE" logs represent the phase measured at the indicated frequency. The IP logs were measured on the 0.1 m normal array. The IP data of the various frequencies are remarkably similar. Moreover, the very low phases at 5 Hz even when the resistivity is down to about 10 ohm-meters is indicative of the fact that both the time domain and frequency domain

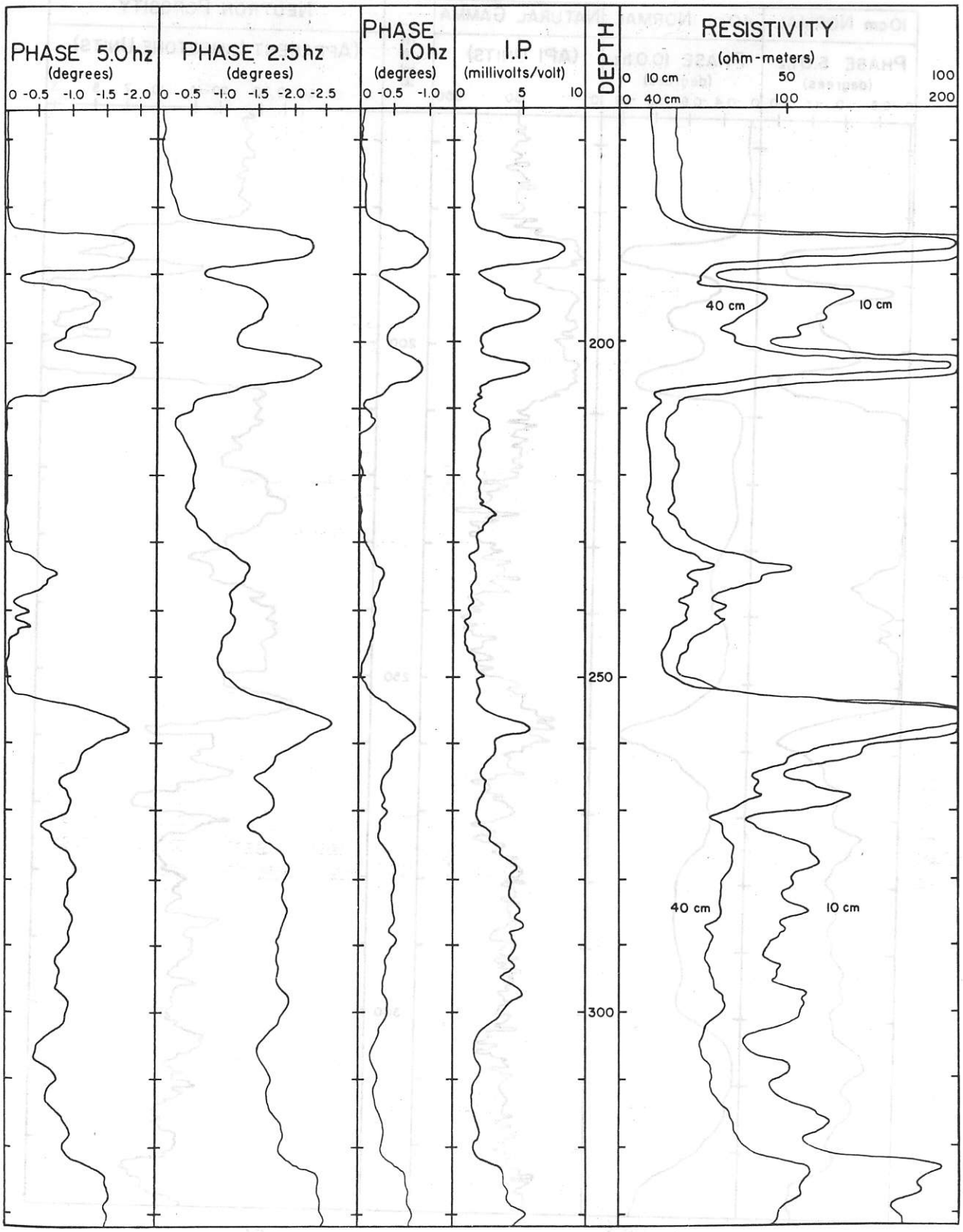

Figure 12
Various frequency domain and time domain IP logs for a 0.1 m normal array

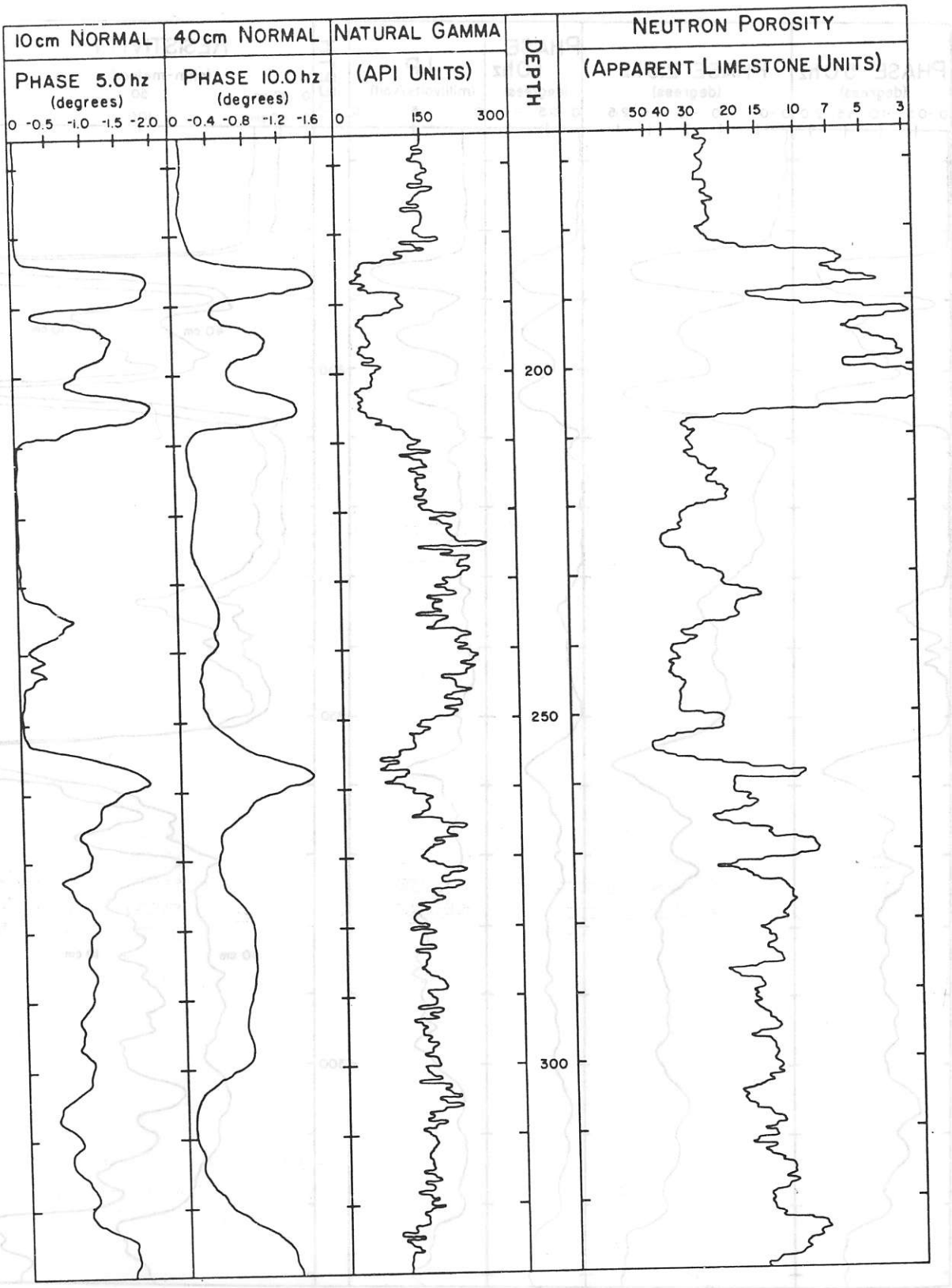

Figure 13
Logging suite including a 0.1 m normal and and 0.4 m normal array

measurements are free of capacitive coupling effects.

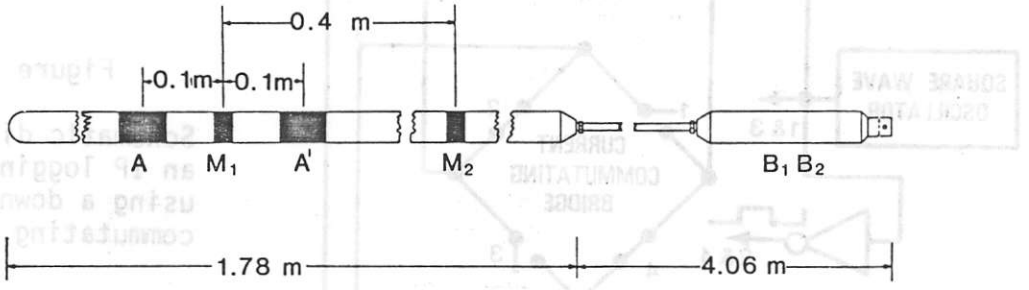

Figure 14

The Dakhnov micronormal used for the 0.1 m data in Figures 12 and 13

Figure 13 illustrates the phase logs made using the 0.1 m normal array and the 0.4 m normal arrays respectively. For comparison, a natural gamma log and a thermal neutron log are shown also. The phase logs are remarkable in their similarity, not withstanding the fact that they were measured using different array spacings and different frequencies. This similarity may again be taken as evidence that the variations in the signal phase (IP) are indeed properties of the formation and not just simply cable effects. Moreover, this example illustrates the SP-like character of the IP log. For example, the limestone and sand units located between 180 ft and 210 ft are sandwiched between shale units. The IP phase logs show that the shale units have very low IP response while the shaly limestone and sand have a high response.

If it is desirable to measure IP using longer spaced electrode arrays where the signal level is very low (i.e. large geometry factor), it becomes necessary to use either a special shielded cable or an active sonde. The shielded cable has been discussed. However, a few comments concerning methods of instrumenting a sonde are in order. There are two approaches to be considered for instrumenting a sonde:

1) Downhole transmitter
2) Downhole receiver

Downhole Transmitter: With a downhole transmitter, a dc current is sent down the cable. In the sonde, which is normally at the top of an electrode bridal, the current is cummutated to form a square wave current signal (Figure 15).

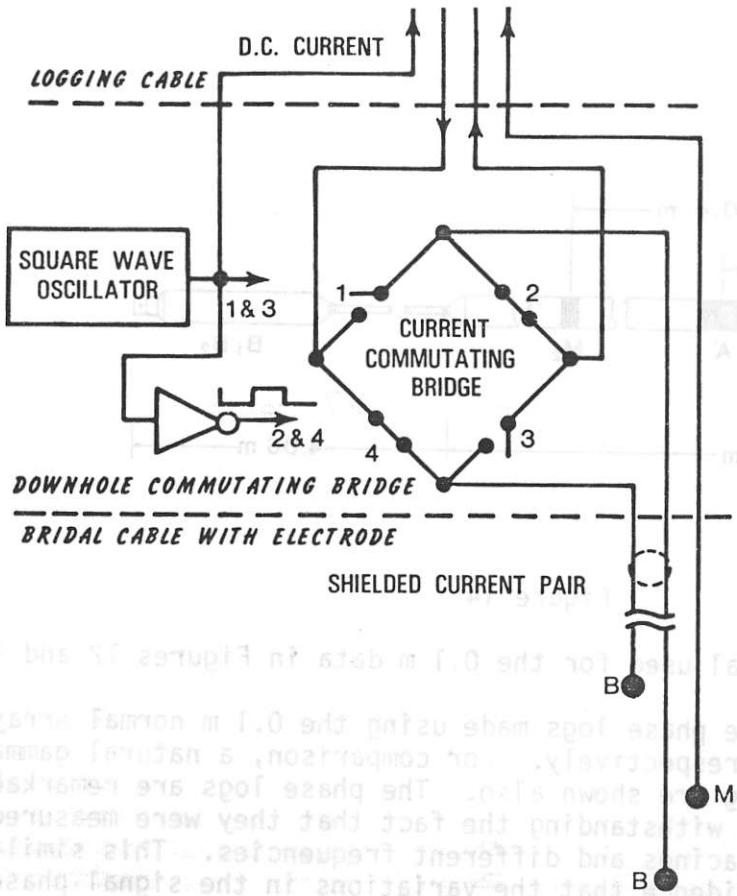

Figure 15

Schematic diagram of an IP logging system using a downhole current commutating bridge

The received signal can then be sensed uphole. Since only a dc current is being sent downhole, there is no capacitive coupling into the received signal whatsoever. If large arrays are to be used, a shielded bridal cable can be used below the transmitter. This technique is probably the most appealing and easy to implement of the two possibilities for active sondes. However, the method does require that both current electrodes be located in the hole.

Downhole Receiver: The simplest downhole receiver is one which provides some preamplification of the received waveform followed by a conversion to some form of telemetry signal before transmission to the surface. A block diagram

of such a receiver is illustrated in Figure 16.

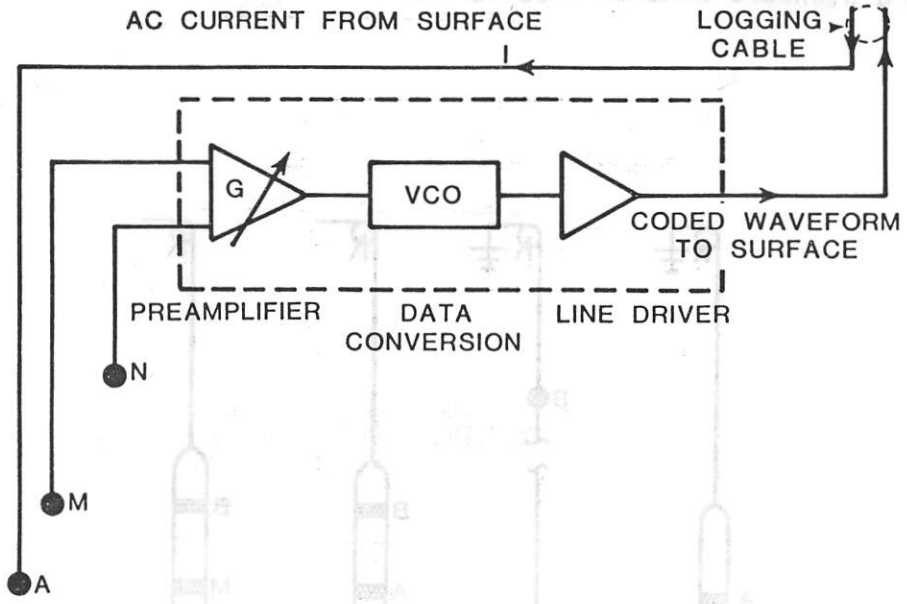

Figure 16

Elements of a downhole receiver for IP logging

The figure suggests the use of FM telemetry to send the waveform to the surface. At the surface the signal is reconverted to an analog form where its amplitude and phase, or in-phase and quadrature components can be measured and recorded. The system must include a scheme for changing the gain in the borehole in order to maintain adequate fidelity of the signal during the telemetry process. The system is somewhat more complicated than a downhole commutating bridge (Figure 15), but it works adequately. Moreover, there is absolutely no question of a coupling problem. If a digital receiver were uphole, the data could be converted to a serial digital form for transmission uphole and subsequent processing. In this case, simple analysis indicates that a 1200 baud transmission rate and 10 bit A/D resolution would be adequate at least to frequencies of a few Hertz. The main disadvantage of the borehole telemetry systems is that they are more complex and costly than a borehole transmitter.

Electrode Arrays: Although single point electrode arrays have been tried (Dakhnov et al. 1967), they have generally been discarded since the current electrode (also the voltage electrode while the current is off) tends to become polarized by the transmitted current. Therefore, multiple electrode arrays with geometries similar to those introduced in petroleum resistivity logging are used. Common arrays include the normal array (two-array), the

half-Wenner (3-array), and a dipole-dipole array. In IP logging, it is important to use arrays which provide maximum signal strength. Hence, the normal and half-Wenner arrays are the most commonly used. If continuous logs are to be observed and an unshielded logging cable is employed, it is essential that both current electrodes be placed in the hole in order to cancel coupling effects. Figure 17 illustrates sondes suitable for logging IP through a standard armored logging cable of lengths up to 5,000-6,000 ft.

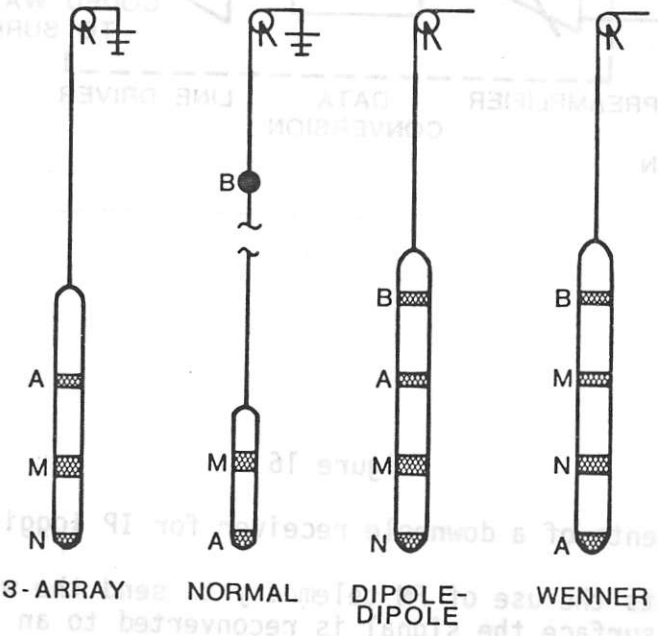

Figure 17

Common electrode arrays employed for IP logging

Array spacing is a compromise between the necessity for maximizing the IP signal and thus minimizing cable effects, and obtaining a good estimate of the true formation IP response. The former requires a very short array. If the formation resistivity (R_t) is much greater than the mud resistivity (R_m) spacings of as much as 1000 times the borehole diameter may be required for a measurement of true formation IP response. Figure 18 (after Brant et al. 1966) illustrates the normal array IP departure curves for beds of infinite thickness. Only the cases for which the formation resistivity is greater than the mud resistivity (i.e. $R_t/R_m > 1$) are shown. Practical considerations usually dictate that the IP measurement be made using a short array. However, provided an R_t measurement is available, a correction is easily made. To the authors' knowledge, IP departure curves for thin beds or for other arrays have not been investigated.

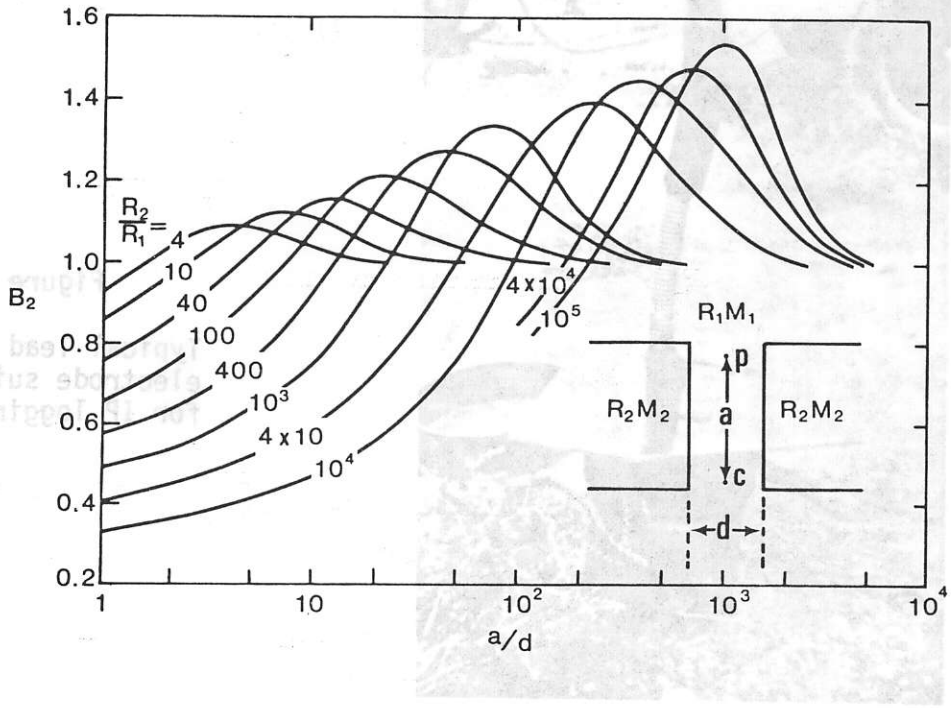

Figure 18

Borehole departure for IP (after Brant et al. 1966)

Electrodes: The fabrication of the pickup electrodes on the sonde is as important as the array geometry. Standard oil field resistivity sondes are usually not adequate since the pickup (potential) electrodes are fabricated with a material which is polarizable. Lead wire or monel metal pickup electrodes are generally used. Other more exotic electrodes made of stainless steel, etc., will also work. However, extreme care must be taken so that the electrical connection between the electrode and the cable conductor is not exposed to the borehole fluid. Solder is a very polarizable substance and can yield extreme "IP" responses in the absence of any valid formation IP response. The electrodes of some multiple electrode resistivity sondes are fabricated with lead or solder wire wrapped on a mandrel. This technique (if the wire is pure lead) is acceptable. However, it is not acceptable to solder these wire-wrapped electrodes together to keep them tight. Figure 19 illustrates a lead wire electrode suitable for IP logging. This electrode is on a bridal used for long-spaced resistivity and IP logging.

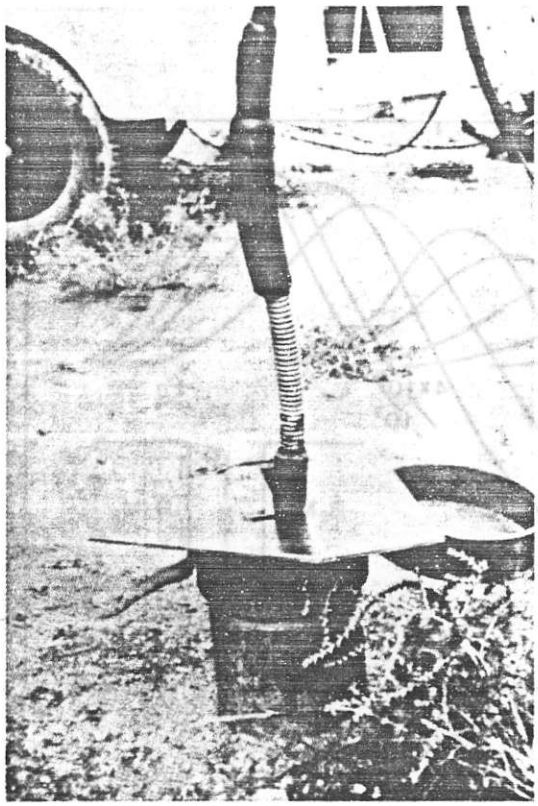

Figure 19

Typical lead wire electrode suitable for IP logging

APPLICATIONS AND EXAMPLES

The IP method and IP logging have been developed primarily for mining exploration. Principal interest and therefore the main thrust of laboratory, surface, and drill hole studies have been directed towards studying polarizations due to the electrode polarization phenomena exhibited by rocks containing disseminated sulfide minerals such as pyrite. Consequently, most of the IP logging has been performed in mineralized igneous and metamorphic rocks. Recently, however, interest in the applications of the IP log in a sedimentary environment has been revived. In this section, applications of the IP log to base metal mining, to coal and uranium exploration, and to petroleum formation evaluation will be discussed.

Metal Mining Applications

The IP method has been developed as a geophysical exploration tool for sensing the presence of disseminated sulfides below the surface. One of the early applications of IP logging was verifying that a given IP anomaly measured at the surface has been adequately tested by a test hole. Figure 20 illustrates an example of an IP log run to verify a surface anomaly. The drill hole entered a dacite porphyry at 80 ft with a fractured zone from 250 ft to 350 ft (labeled Zone A). The fractured zone is seen clearly on the resistivity

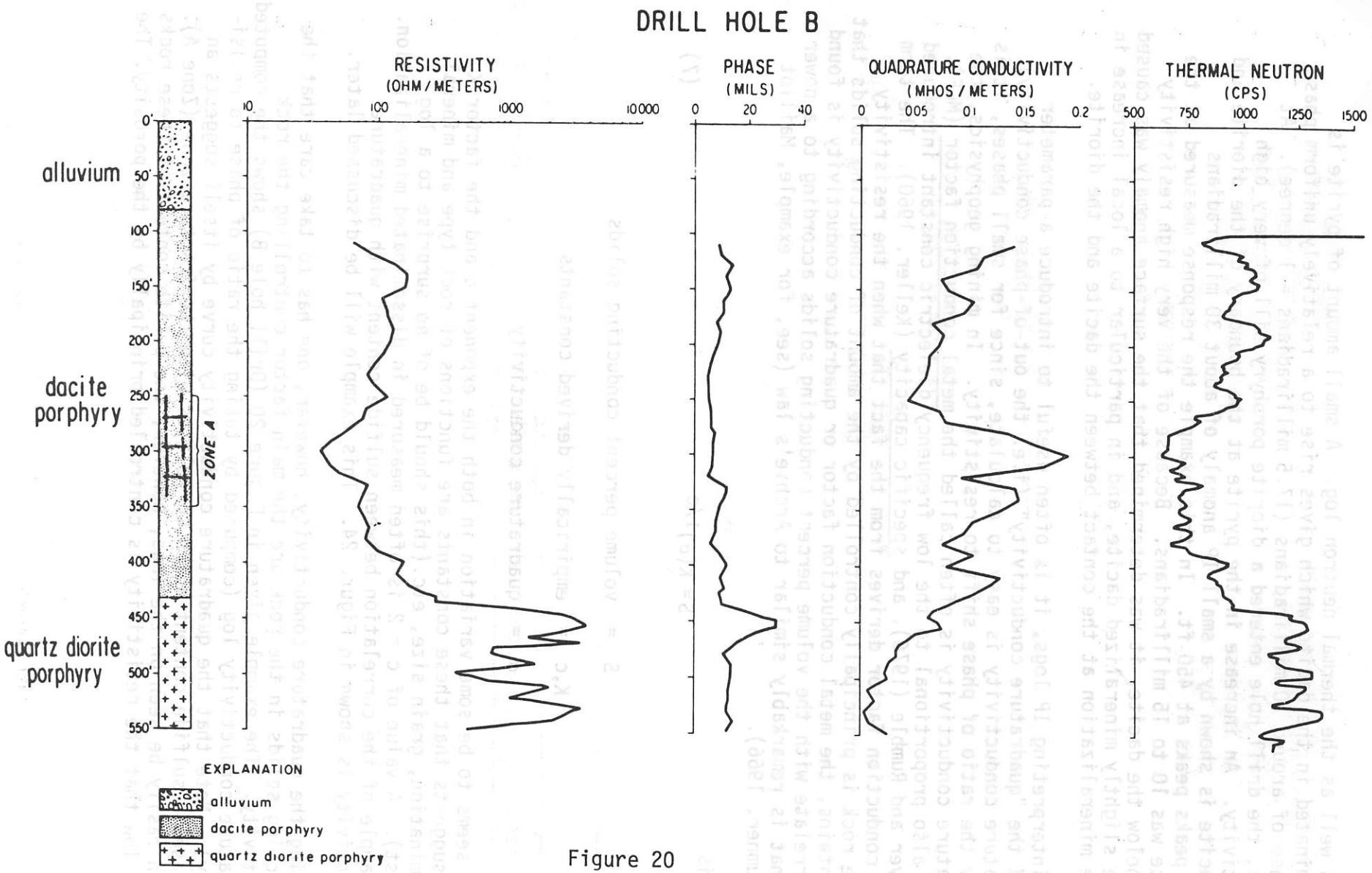

Figure 20

A resistivity/IP log run in the southwestern United States to test an IP anomaly

log as well as the thermal neutron log. A small amount of pyrite is disseminated in the dacite which gives rise to a relatively uniform phase response of around 10 milliradians (17.5 milliradians = 1 degree). At 430 ft, the drill hole entered a diorite porphyry sill of very high resistivity. An increase in the pyrite at the boundary of the diorite and the dacite is shown by a small IP anomaly of about 30 milliradians which peaks peaks at 450 ft. In this example the response measured at the surface was 10 to 15 milliradians. Because of the very high resistivity sill below the dacite, it was determined that the surface anomaly was caused by the slightly mineralized dacite, and in particular to a local increase in pyrite mineralization at the contact between the dacite and the diorite.

When interpreting IP logs, it is often useful to introduce a parameter called the "quadrature conductivity" (i.e. the out-of-phase conductivity). Quadrature conductivity is easy to calculate, since for small phases, it is simply the ratio of phase shift to resistivity. In mining geophysics, the quadrature conductivity is often called the metal conduction factor (MCF). It is also proportional to the low frequency dielectric constant introduced by Hoyer and Rumble (1976), and specific capacity (Keller, 1960). The term metal conduction factor derives from the fact that when the resistivity of the rock is principally controlled by the amount of conducting solids that it contains, the metal conduction factor or quadrature conductivity is found to correlate with the volume percent conducting solids according to a power law that is remarkably similar to Archie's law (see, for example, Maillot and Sumner, 1966).

That is

$$S = K(\sigma)^{1/c} \qquad (7)$$

where

S = volume percent conducting solids

K, c = empirically derived constants

σ = quadrature conductivity

There seems to be some variation in both the exponent c and the factor K that suggests that these constants are functions of rock type and mineral dissemination, grain size, etc.(this should be of no surprise to a log analyst). A value of c = 2 is often measured in disseminated mineralization. An example of the correlation between sulfide content with quadrature conductivity is shown in Figure 24. This example will be discussed later.

In using the quadrature conductivity, however, one has to take care that the conducting solids in the rock are the main factor controlling the rock resistivity. The example given in Figure 20 (Drill hole B) shows the computed quadrature conductivity log (computed by taking the ratio of phase to resisitivity). Note that the quadrature conductivity curve by itself suggests an increase in sulfide content which correlates with the fracture zone (Zone A). As can easily be seen on the logs, however, the pyrite content of these rocks is so low that the resistivity is controlled principally by the porosity. The

The thermal neutron/resistivity cross plot shown in Figure 21 verifies that this is indeed the case.

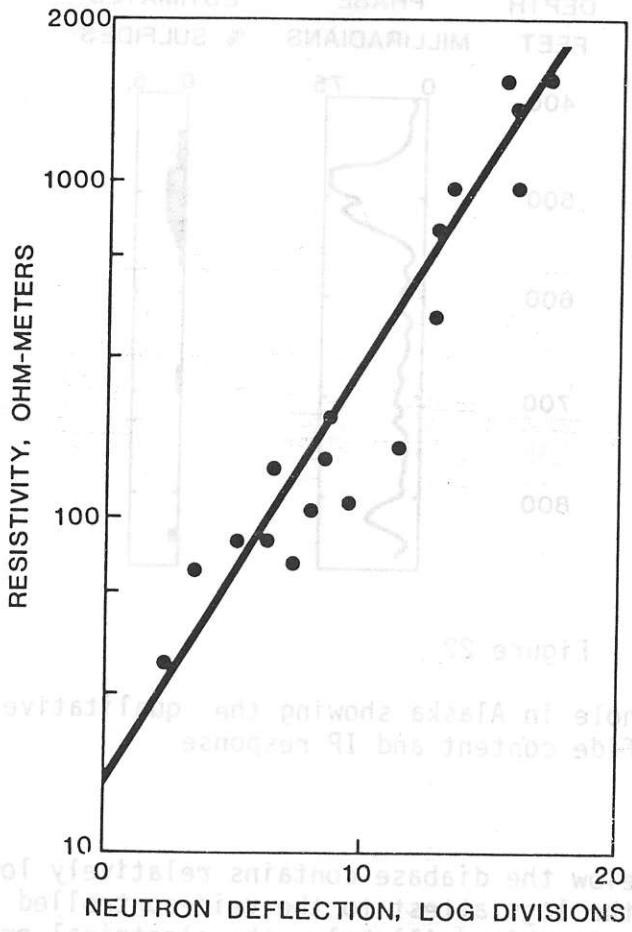

Figure 21

Resistivity dependence on porosity for Drill Hole B shown in Figure 20

Estimation of Sulfides

It has been stated in the previous section that IP can be used as a measure of total sulfide content. There can be little doubt, at least in a semi-quantitative sense, that the higher the IP response the greater the sulfide content. The log shown in Figure 22 taken from a drill hole in Alaska illustrates the qualitative correlation as do examples shown in Zablock (1966), Bacon (1965) and many others.

Figures 23 and 24 illustrate in a more quantitative way the correlation between IP response and sulfide content. Figure 23 shows the log from within a porphyry copper system. The main sulfide mineralization is from within the diabase.

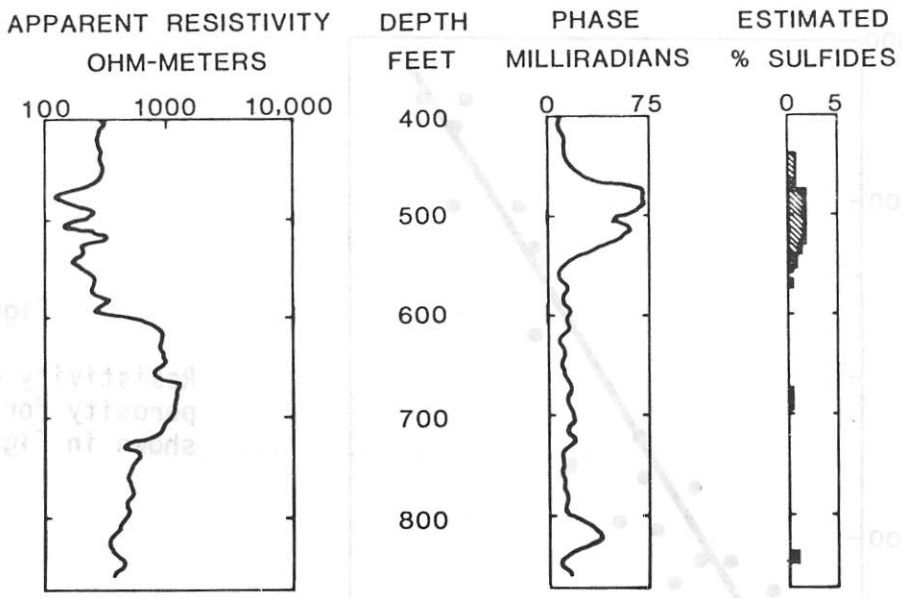

Figure 22

An IP log from a drill hole in Alaska showing the qualitative correlation between sulfide content and IP response

The quartz diorite located below the diabase contains relatively low total sulfides. The character of the logs attest to the vein-controlled nature of the sulfide distribution. In this drill hole, the electrical properties of the rock are controlled mainly by the sulfide content. The quadrature conductivity log, therefore, accurately reflects the distribution of sulfides within the formations. Figure 24 is a crossplot of the total sulfides (determined by heavy liquid separation on 10 foot composite core pulps and quadrature conductivity. An excellent log-log correlation is evident even though the nature of the sulfide distribution renders correlating log and core measurements an extremely difficult problem.

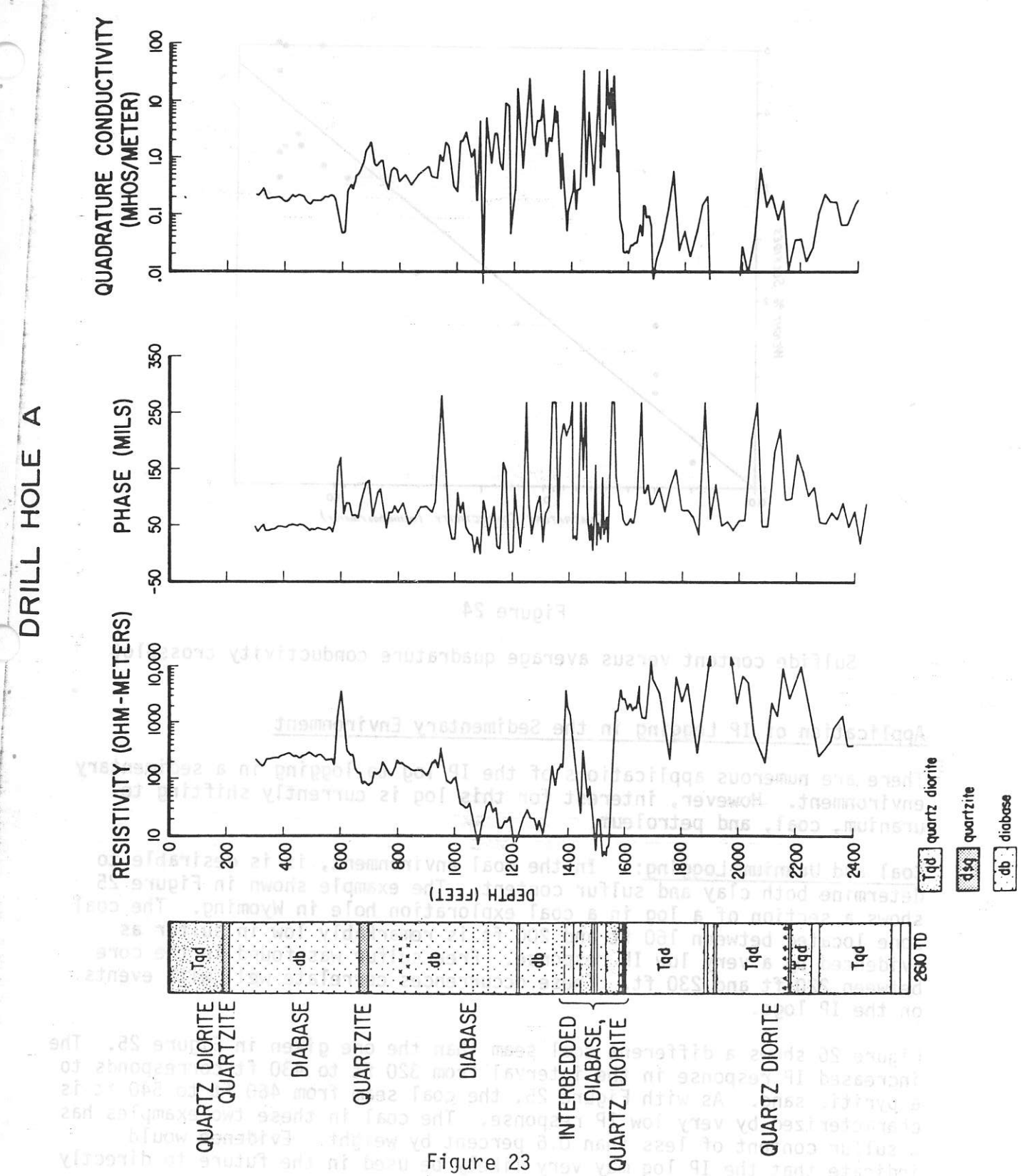

Figure 23

IP log from a porphyry copper deposit in the southwestern U. S.

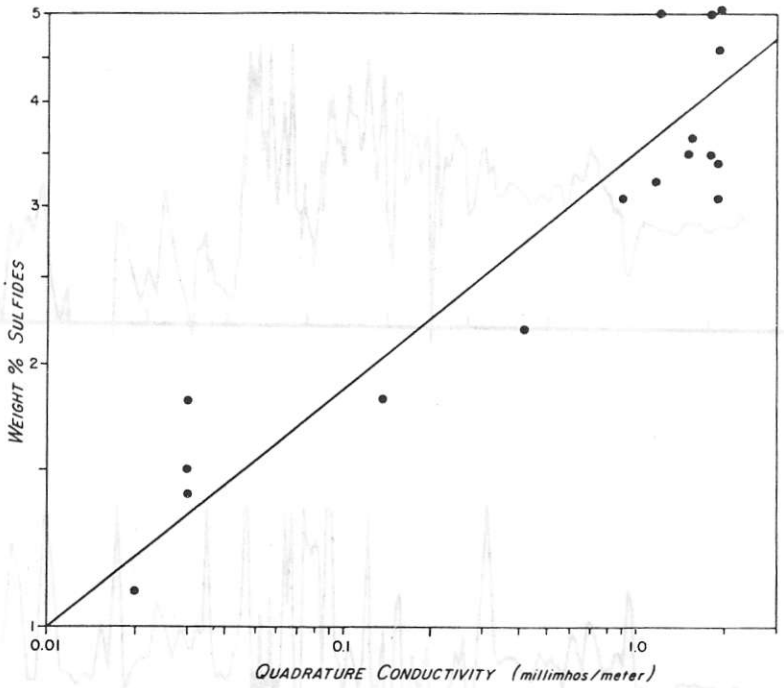

Figure 24

Sulfide content versus average quadrature conductivity crossplot

Application of IP Logging in the Sedimentary Environment

There are numerous applications of the IP log to logging in a sedimentary environment. However, interest for this log is currently shifting to uranium, coal, and petroleum.

Coal and Uranium Logging: In the coal environment, it is desirable to determine both clay and sulfur content. The example shown in Figure 25 shows a section of a log in a coal exploration hole in Wyoming. The coal zone located between 160 ft and 200 ft is remarkably low in sulfur as evidenced by a very low IP response. Free sulfur was found in the core between 220 ft and 230 ft. These occurrences correlate well with events on the IP logs.

Figure 26 shows a different coal seam than the one given in Figure 25. The increased IP response in the interval from 320 ft to 430 ft corresponds to a pyritic sand. As with Figure 25, the coal seam from 460 ft to 540 ft is characterized by very low IP response. The coal in these two examples has a sulfur content of less than 0.6 percent by weight. Evidence would indicate that the IP log may very likely be used in the future to directly

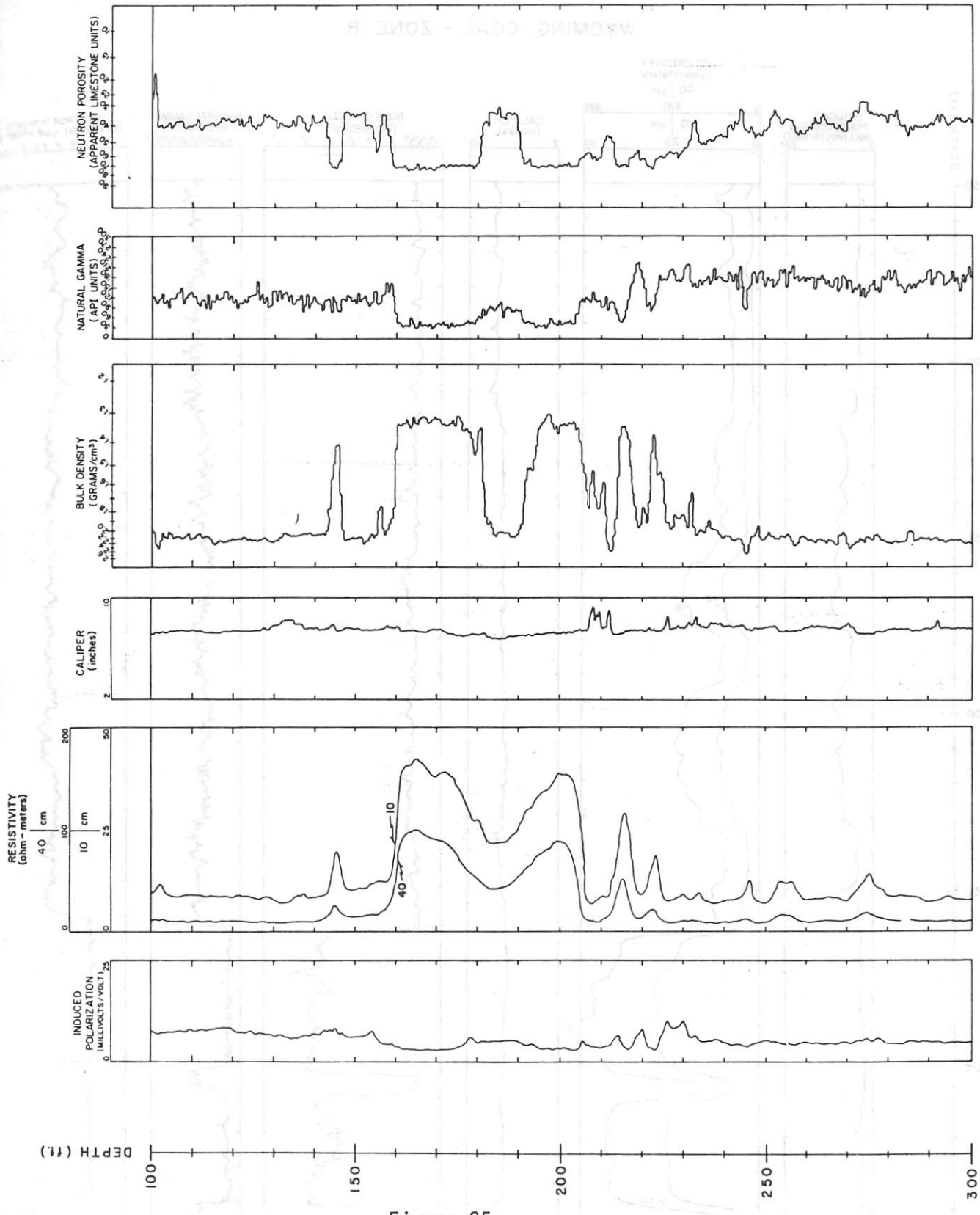

Figure 25

Logging suite through a shallow low sulfur Wyoming coal

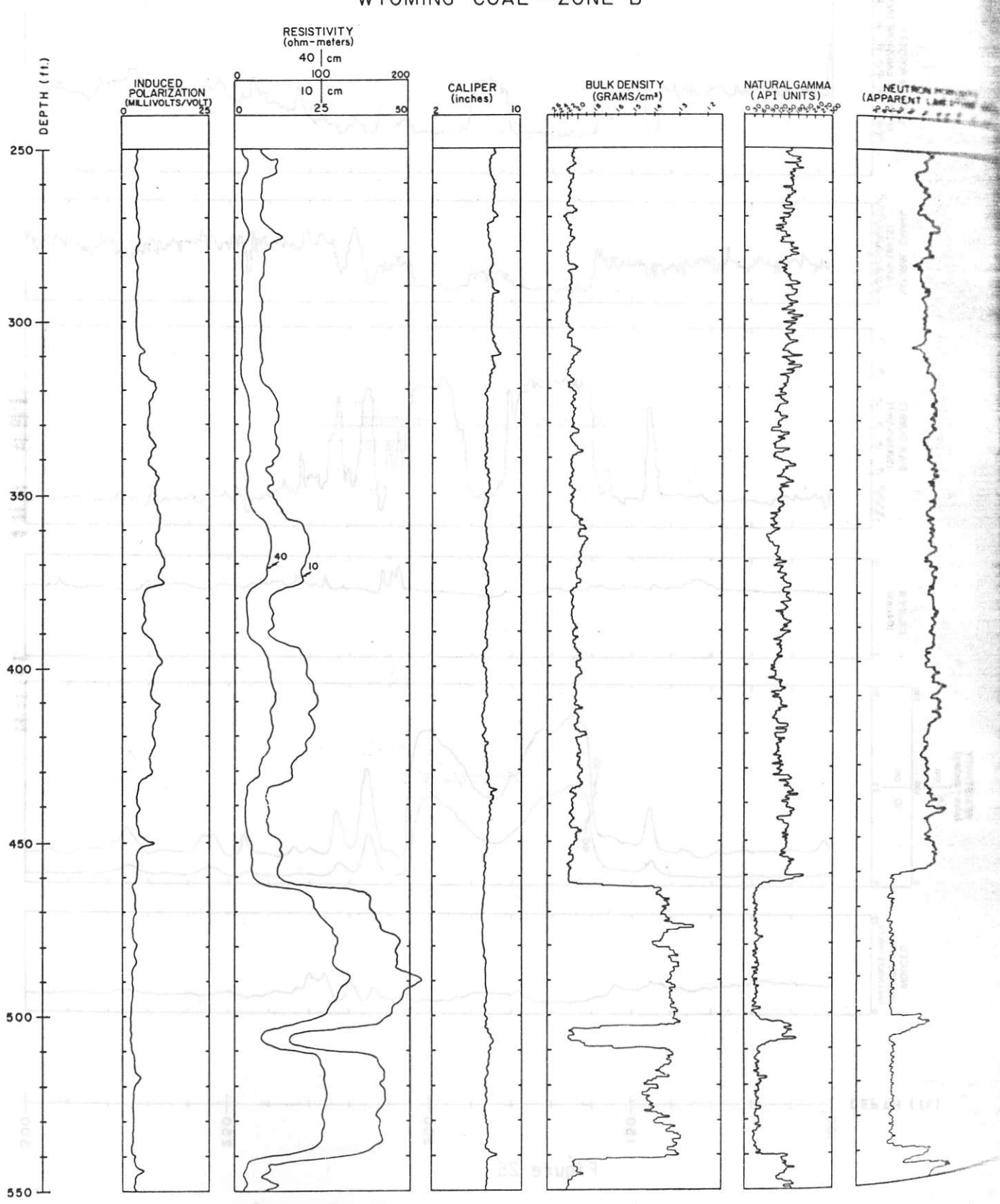

Figure 26 Logging suite through a deep low sulfur Wyoming coal

estimate the sulfur content of coal.

The extent of a roll-front uranium deposit is characterized by an oxidation/reduction boundary. Because of this, the sulfide content on either side of the boundary is different. Accordingly the induced polarization log has been used successfully in the formation evaluation of these uranium deposits by estimating the amount of sulfides.

Petroleum Formation Evaluation

The principal application for the IP log in petroleum formation evaluation lies with its use in estimating the shaliness of a dirty sand. However, the IP log can also be used for correlation of lithology in the same manner as the SP logs. The interval from 180 ft to 210 ft in Figure 13 illustrated how the IP log could pick out the shale zones. This zone consists of a thin limstone bed, a mudstone, a fine-grained sandstone, another mudstone, and another limestone at the very bottom. The mudstones are characterized by low IP response, while the two limestone units and the sandstone unit have higher IP response. The high IP response shown in the limestone and the sandstone units of this zone suggests that these units are shaley. That is, the IP response is caused by the cation exchange capacity of the clays.

There has not been a great deal of literature published concerning the application of IP measurement to the estimation of shaliness in dirty sands. Certainly, the work presented by Hoyer and Rumble (1976) has served to revive some interest in complex resistivity logs. Their data suggested that the dielectric constant (a parameter related to the quadrature conductivity) was related to the specific cation exchange capacity (CEC/ϕ). The data from Hoyer and Rumble (1976) is reproduced in Figure 27. Their work corroborates earlier work published by Keller (1960). Figure 28 was produced using data taken from Keller and Frischknecht (1966) and demonstrates that quadrature conductivity is related to a function of the quantity BQ_v/C_w. This is the quantity which appears in the correction term for Archie's law when used for water-saturated shaley sands (Waxman and Smits, 1968).

$$C_o = \frac{C_w}{F^*}\left(1 + \frac{BQ_v}{C_w}\right) \qquad (8)$$

where

C_w = conductivity of pore water

C_o = formation conductivity

F^* = formation factor

The function $f\left(\frac{BQ_v}{C_w}\right)$ relates to the ion trap number (Keller, 1960).

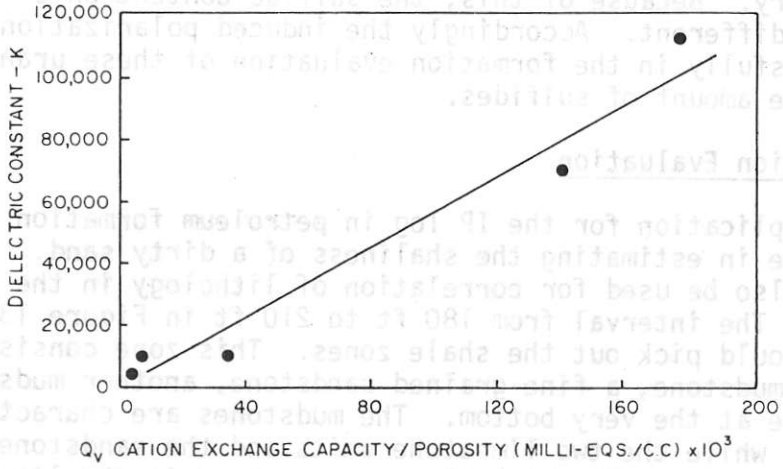

Figure 27

Crossplot of specific cation exchange capacity (Q_V) as a function of the dielectric constant (after Hoyer and Rumble, 1976)

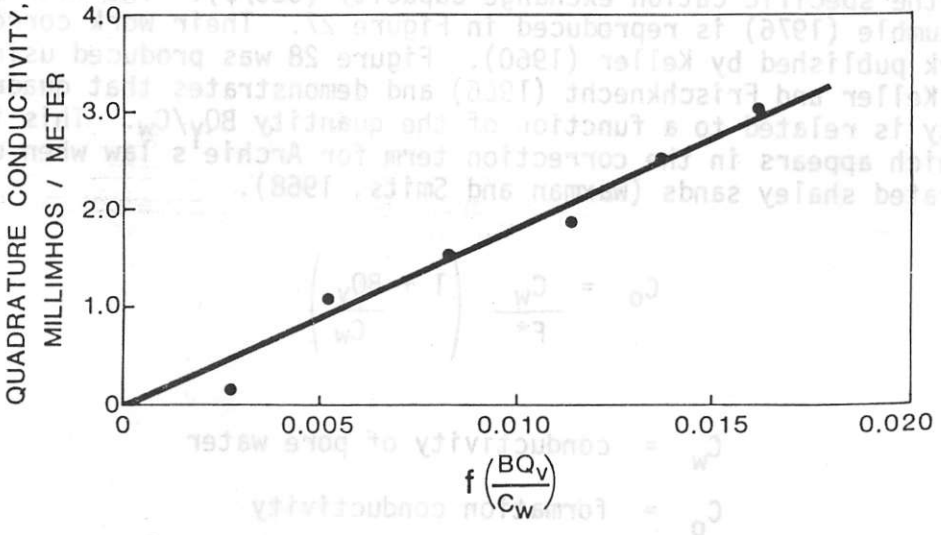

Figure 28

Quadrature conductivity vs a function of BQ_V/C_W (after Keller and Frischknecht, 1966)

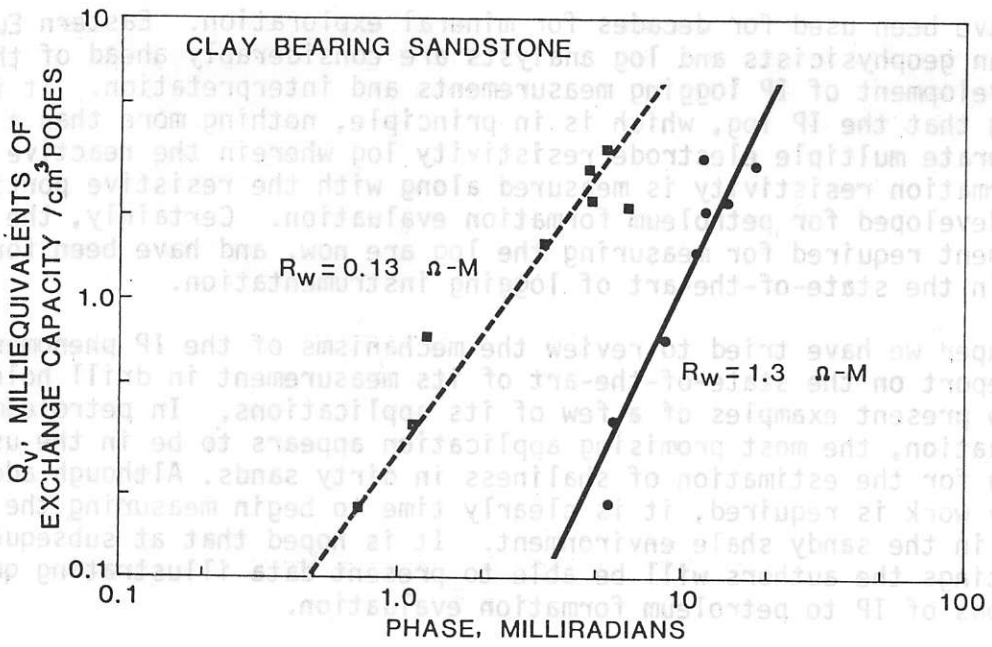

Figure 29

The relationship between IP response and specific cation exchange capacity (after Sill, 1964)

In a related study on clay-bearing sandstones, Sill (1964) was also able to establish a relationship between specific cation exchange capacity and IP response. Figure 29 demonstrates such a correlation between phase shift and Q_v.

There is therefore strong evidence that some measure of the IP response of dirty sands can be of material benefit in the correction of water resistivities for shale content. It is important to note that high cation exchange capacity always gives a pessimistic calculation of hydrocarbon saturation. Although the volume of data presented is hardly imposing, these data come from independent sources, each of whom is highly respected in the field of petrophysics. Hopefully, more evidence, both from the laboratory and from the borehole, will soon be forthcoming. The authors, unfortunately, have not yet logged an oil well with IP. The best example which we have to show relating to the IP response in dirty sands is in Figure 13. This log shows that the sands located at 195 ft, 259 ft, and in the zone from 275 ft to 300 ft which are in fact dirty sands, have an elevated IP response. Unfortunately, the core data pertaining to the cation exchange capacity and other important petrophysical parameters is not available. So quantitative analysis of these logs is not possible.

CONCLUSIONS

IP logs have been used for decades for mineral exploration. Eastern European and Russian geophysicists and log analysts are considerably ahead of the west in the development of IP logging measurements and interpretation. It is surprising that the IP log, which is in principle, nothing more than a slightly more elaborate multiple electrode resistivity log wherein the reactive portion of the formation resistivity is measured along with the resistive portion, has not been developed for petroleum formation evaluation. Certainly, the electronics and equipment required for measuring the log are now, and have been for some time, well within the state-of-the-art of logging instrumentation.

In this paper we have tried to review the mechanisms of the IP phenomena, give a brief report on the state-of-the-art of its measurement in drill holes, and finally to present examples of a few of its applications. In petroleum formation evaluation, the most promising application appears to be in the use of the IP log for the estimation of shaliness in dirty sands. Although additional laboratory work is required, it is clearly time to begin measuring the IP parameter in the sandy shale environment. It is hoped that at subsequent SPWLA meetings the authors will be able to present data illustrating quantitative applications of IP to petroleum formation evaluation.

There is overwhelming evidence which points to the fact that our present resistivity measurements are ignoring a part of the formation resistivity (the quadrature component) which has considerable significance as a petrophysical parameter. In mineral exploration for coal, uranium, and metals, the multiple electrode resistivity arrays are still routinely employed and there is no practical reason why IP should not be measured routinely. In petroleum formation evaluation, resistivity logs have historically played an important role. The IP log is not a new tool requiring additional runs in the hole for its use. Rather, it is the forgotten half of standard measurement which simply requires a small amount of additional uphole instrumentation and some careful thought toward eliminating cable effects. At present, we are looking at our resistivity measurements with one eye, and it seems appropriate now that we open both eyes.

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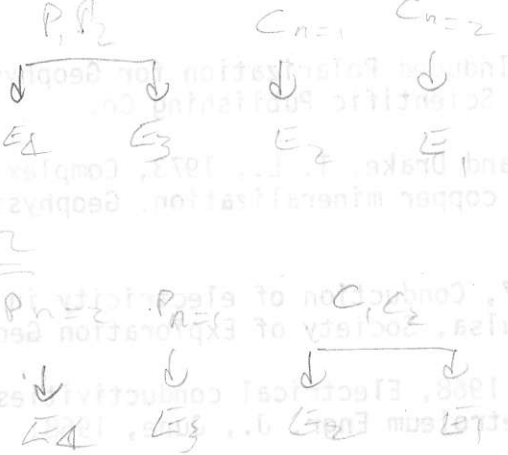


or

or

input Z of Rx?

low pa on row ?? ← was this capacitance induced IP

low x on wire
high x on electrode

Borehole Geophysics Test Program 1975
Alfred Dyck GSC

dense rate of sampling (1 sample every two feet) was chosen. The individual components are plotted at a scale of 100 feet/inch on the depth axis. The magnetic field axis scale depends on the amount of activity on the magnetic profile. A scale of as much as 10,000 γ/inch may be required. In vertical boreholes, the magnitude of the resultant of the two horizontal components and the vertical component are plotted.

At the present time, the method of interpretation is very rudimentary. The data is plotted in such a fashion that it can be scanned visually to remove high frequency variations and to recognize the more significant long-wavelength features which would indicate the presence of a large magnetic body.

b) Resistivity - IP system (IREM-MERI)

This system is capable of measuring on a continuous basis in the time-domain the resistivity, IP, and SP response with a variety of electrode configurations and spacings. Figure 4a shows the locations of the electrodes on each of the detachable probes. A variety of electrode configurations are possible including pole-dipole, pole-pole, dipole-dipole and Wenner all at several 'a' spacings and n values. The downhole cable contains seven conductors surrounded by a braided copper shield. The electrodes themselves are hollow lead cylinders, one inch in diameter terminated at either end by a watertight nylon jacket through which the cable passes (Figure 4b). This construction encloses the vulnerable cable takeout and allows it to stay at atmospheric pressure, hence reducing the chance of mechanical failure of the wire. The electrodes proved to be satisfactory throughout five months of field trials.

The winch system is completely motorized with automatic level winding and is equipped with an electromechanical footage counter with coded electrical output. The rate of ascent or descent of the array can be maintained a constant.

Controls for transmitting the waveform and receiving the signal are contained in the same unit so that the link between transmitter and receiver is hand-wired. A constant current source is used as output to accommodate changes in contact resistance; an alternating polarity

square wave of adjustable on-time and total period is generated. In the received circuits the integration window and its delay time are adjustable. Current, V_p, V_s and depth are simultaneously recorded on an oscillographic recorder. Spontaneous polarization is automatically cancelled after being sampled the previous half-cycle; however, the SP cannot be recorded simultaneously with the IP measurement and must be logged separately.

The system was also adapted to station-by-station measurements of telluric currents with the addition of the proper telluric amplifiers.

The electronic equipment performed adequately with only occasional malfunction of the triggering circuitry. Final termination of the field trials in December, 1975, came about when the recorder broke down.

All measurements were performed with current pulses of length 1.35 seconds and an integration time of 1.1 seconds. Delay time of the integration window was either 0.3 or 0.4 seconds after the turn off of the primary voltage. All the data presented here was obtained in continuous logging mode at a logging speed of approximately 0.15 Ft/sec. One resistivity and one IP sample are generated for each pulse, the signal is then integrated to produce a smooth analog record. The logging speed was selected at such a low value to minimize the effect of incorrect SP cancellation caused by the array moving through regions of high SP gradient.

Restrictions were placed on the arrays which could be used in practice because of the lack of a grounded electrostatic shield between current and potential wires in the downhole cable. The following is a description of the problems encountered, an apparent explanation of the phenomena and how the problem was solved for these arrays. The discussion is centred around the use of a pole-dipole array with electrodes C_1, P_1, and P_2 in the borehole.

Whenever there is a voltage change in the wire carrying current to C_1, as there is, for example, during the transition time from 'on' to 'off' in the transmitted square wave, current flows across the distributed interwire capacitance and out through the potential electrodes. The effect of this current is to polarize the ground in the vicinity of the

potential electrode thus causing it to act as a 'zero-length' array since current and potential electrode are one and the same. It is therefore not unreasonable to suppose that this effect could be quite large. The effect will be termed 'spurious IP' to distinguish it from the desired 'true IP'. Its presence on the IP transient is difficult to detect since its decay time is of the same order as the true IP.

The spurious IP can manifest itself in a number of ways. The following observations were made at GERT E; a plausible explanation is given of how each symptom fits the theory.

1. Large but unequal distributed capacitances were measured between conductors in the cable (approximately 0.1 μf distributed over 3500 feet of cable. Figure 5 shows the layout of the cable and the electrode (see Figure 4a) which is connected to each. The smaller capacitances are related to those pairs of wires which are further apart.

2. Negative IP was observed with long arrays in situations where the ground was knwon to be relatively homogeneous. The effect of spurious IP was greater at P_2 than at P_1 and the resulting potential difference $P_1 - P_2$ became negative. This can be caused by an imbalance of capacitance between C_1 and P_1, P_2 or a greater polarizability at P_2.

3. The magnitude of IP made with stationary electrodes in relatively homogeneous ground depended on the particular combination of electrodes used to make up the array (for example, there are three combinations of electrodes which give pole-dipole, a = 50 feet, n = 1). This can be accounted for by the different capacitances between wires shown in Figure 5.

4. Long arrays exhibit much shorter spatial-wavelength response than would be expected. This effect can be observed only in continuous logging mode since its spatial wavelength is considerably shorter than the usual station spacing used in discrete measurements.

5. In zones where the resistivity is very low, even V_p can be dominated by spurious IP and driven negative.

6. Apparently valid results were obtained when current was supplied to C_1 through an outside wire, i.e. one shielded from the potential wires by the outer shield in the cable.

The shield was grounded at the collar of the borehole, thus considerably reducing the capacitance between the current-carrying wire and the potential wires.

7. Similar valid results were obtained with the pole-dipole array using the combination of electrodes 5, 6, and 7. In this case the cable geometry is such that the current-carrying wire, 5, is shielded by wires, 1, 2, 3 and 4 from the potential wires. C_{56} and C_{57} are reduced by a factor of 1/500 if 1, 2, 3 and 4 are grounded in the borehole.

Since the largest voltage change and hence the largest inter-wire current happen during the transition time it was attempted to eliminate the problem by disconnecting the potential electrodes from their respective leads during a short period of time surrounding the instant of voltage turn-off. In order to accomplish this miniature relays had to be installed in the electrode housing and switched with voltage pulses supplied by two other conductors in the cable. Some improvement was observed but was obscured by capacitive coupling of the switching voltages. Since there was no clear-cut improvement, the experiment was abandoned.

The array versatility of the system was sacrified so that wires 5, 6, and 7 could be used exclusively for C_1, P_1 and P_2. Wires 1, 2, 3 and 4 were reserved as an electrostatic shield and were grounded together at the collar. Electrode 1 was connected to wire 5, electrodes 2 and 5 were both connected to wire 6 and electrodes 3 and 7 to wire 7. The unused electrodes (being cylindrical) were easily sealed from electrical contact with the borehole water with vinyl tape. Hence the only arrays available for surveys were the three pole-dipole arrays with a - 25, 50 and 100 feet (n = 1).

Results using the very short spacing arrays were apparently valid, a plausible conclusion since the true IP potential would be much larger,

thus rendering the spurious IP insignificant (the spurious IP effects were most significant on the one hundred foot pole-dipole array).

A comparison of the available short arrays was done at GERT E:

Short Normal (8 in) ($C_1 = 1$, $P_1 = 2$)
Large Normal (32 in) ($C_1 = 1$, $P_2 = 5$)
Lateral ($C_1 = 1$, $C_2 = 3$, $P_2 = 6$)
Wenner ($a = 8$ in) ($C_1 = 1$, $P_1 = 2$, $P_2 = 3$, $C_2 = 4$)

The arrays were judged on apparent volume sampled by the array, as determined by visually examining the borehole record for its spatial frequency content. The large normal array was concluded to be the most useful as it seemed to best represent the parameters of the rocks around the borehole; it was therefore used to log the remainder of the holes.

The combination of logging speed and recorder speed resulted in a scale of approximately 8 - 10 ft/inch on the raw data charts. It was therefore decided to handle the data on the computer in order to facilitate compressing the charts to a useful scale (100 ft/inch) and to perform the necessary calculations for apparent resistivity and chargeability. The data was smoothed by hand to remove transients introduced by step-current and gain changes and digitized at a fixed sampling interval of 0.1 inch of chart and replotted by computer at a scale of 100 ft/inch. For the purposes of plotting, the position of the array is determined by its mid-point.

The apparent resistivity, ρ_a, in ohm-m is plotted on a scale of logarithms to base 10 of one per inch (i.e. a factor of 10 per inch). For example, resistivity of 10^4 ohm-m is represented by the number 4. The noise level of measurement for the equipment is estimated to be between 10 and 100 ohm-m so that resistivities are cut off below 100 ohm-m.

Chargeability is plotted at a scale of 20 MV/volt per inch. Cut-off values for chargeability were established at -20 and 100 MV/v. Since transient voltage Vs, is divided by primary voltage, V_p, to arrive at chargeability, M, the calculation becomes unstable at low resistivities (i.e. low V_p). The result is that large fluctuations in M can occur when $\rho_a \leq 100$ ohm-m.

Background values of M observed at GERT E were compared with background values obtained during 1974 with the Scintrex IPR-8 receiver (see 1974 report). Based on this comparison the following relationship is derived.

$$M \sim 0.6 \times M_{IPR-8}$$

Telluric current fields were also measured with the same downhole equipment. The addition of tunable telluric amplifiers allowed the monitoring of 8 Hz and 60 Hz tellurics on a station-by-station basis. The telluric field component (electric field parallel to the borehole) was measured via a 50-foot potential dipole. The signal from this was compared in amplitude to the signal from an identical amplifier connected to a 160-foot horizontal potential dipole on surface which had been previously aligned in the direction of maximum field. Logarithmic ratio of downhole to surface potential is plotted as a function of depth.

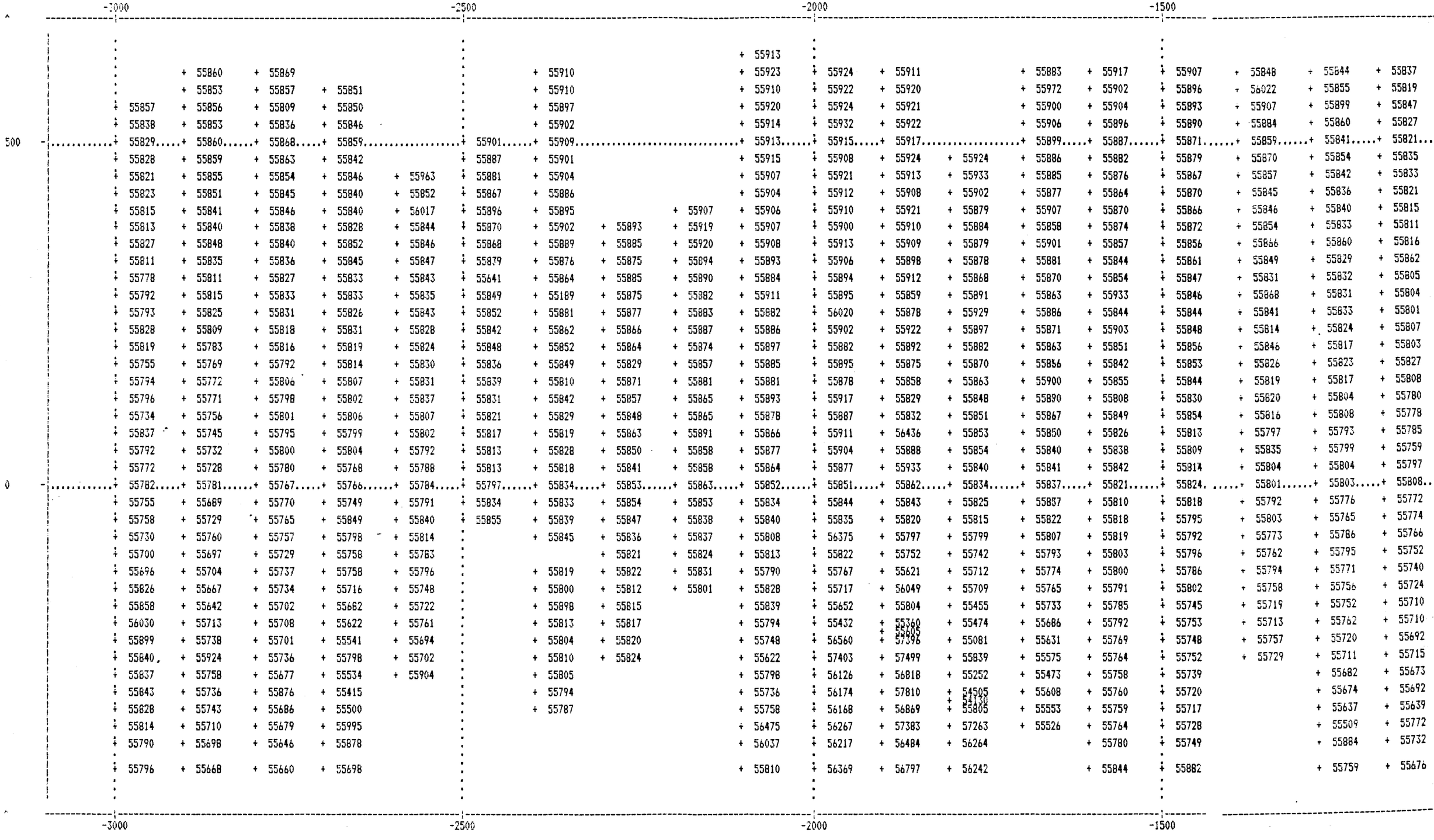
If one assumes that the background telluric fields are horizontal then the effect of a conductive inhomogeneity is to channel the telluric currents in such a manner as to produce a crossover-type anomaly with the crossover opposite the conductor. If only amplitude information is available (no phase) then the crossover will appear as a minimum.

b) Scintrex DHEM-5

This system employs a large-loop transmitter on surface (Figure 6) to establish a fairly uniform subsurface EM field of sinusoidal time dependence. The field at the downhole receiver coil (component parallel to the borehole) is compared in amplitude and phase to a surface reference coil at five different frequencies (35, 105, 315, 945, 2835 Hz). The system is basically a TURAM unit with the addition of an interface (see Appendix I) to accommodate the large dynamic range in amplitude ratio and phase difference encountered in borehole work when either the two coils are widely separated or the downhole coil comes into contact with conductive sulphides.

The transmitter unit performed extremely well as did the SE-77 console. The only problem with the interface unit was that the gains and phase shift were not exactly calibrated. As a result, on some scale changes, a jump occurred from one station to the next. This can be recognized on a depth profile if overlapping readings are available.

The weak point of the system, as delivered, was the downhole probe. An early problem was an intermittent circuit fault eventually traced to the preamplifier in the probe. Some water leakage also occured; this problem was improved by repacking the cable head with silicon sealant. My feeling is that the probe is still not reliably water-tight.



CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

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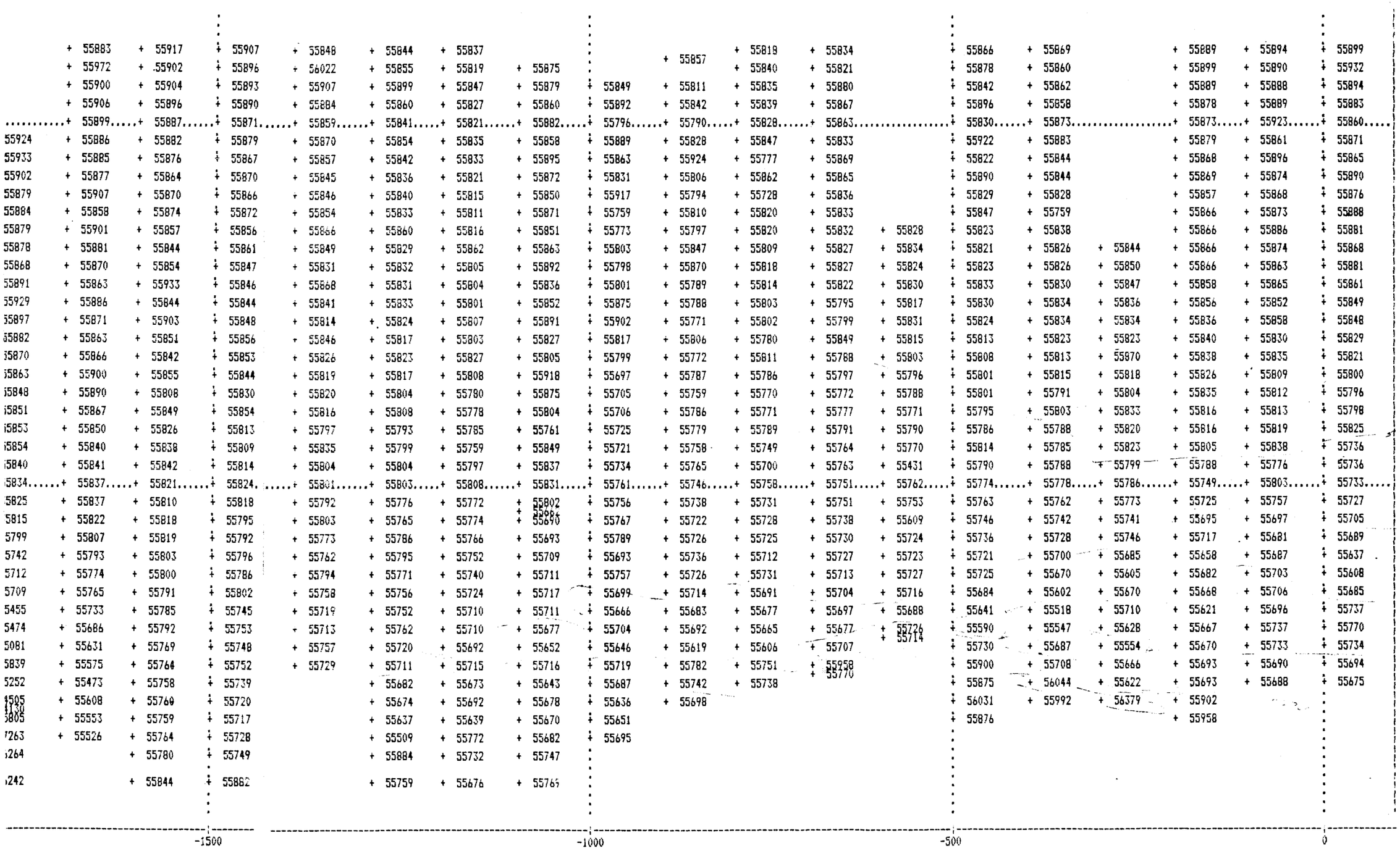
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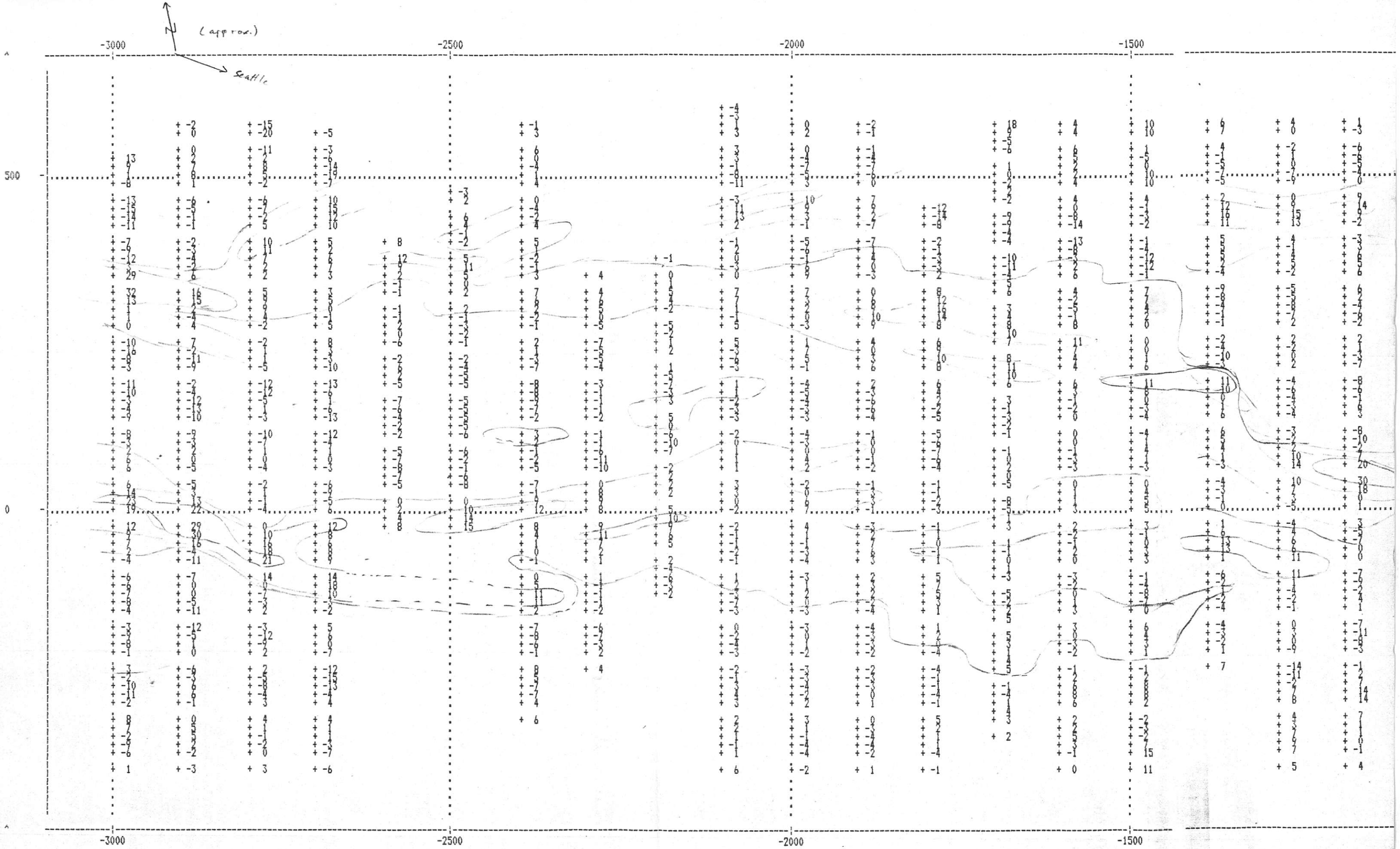
logging cable

-1500 -1000 -500 0



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HEATHER PROJECT

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-3000 -2500 -2000 -1500

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HEATHER PROJECT

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HEATHER PROJECT

LINE NUMBER 0.0 WEST

Survey by A. Scott, Geophysicist

June 9, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

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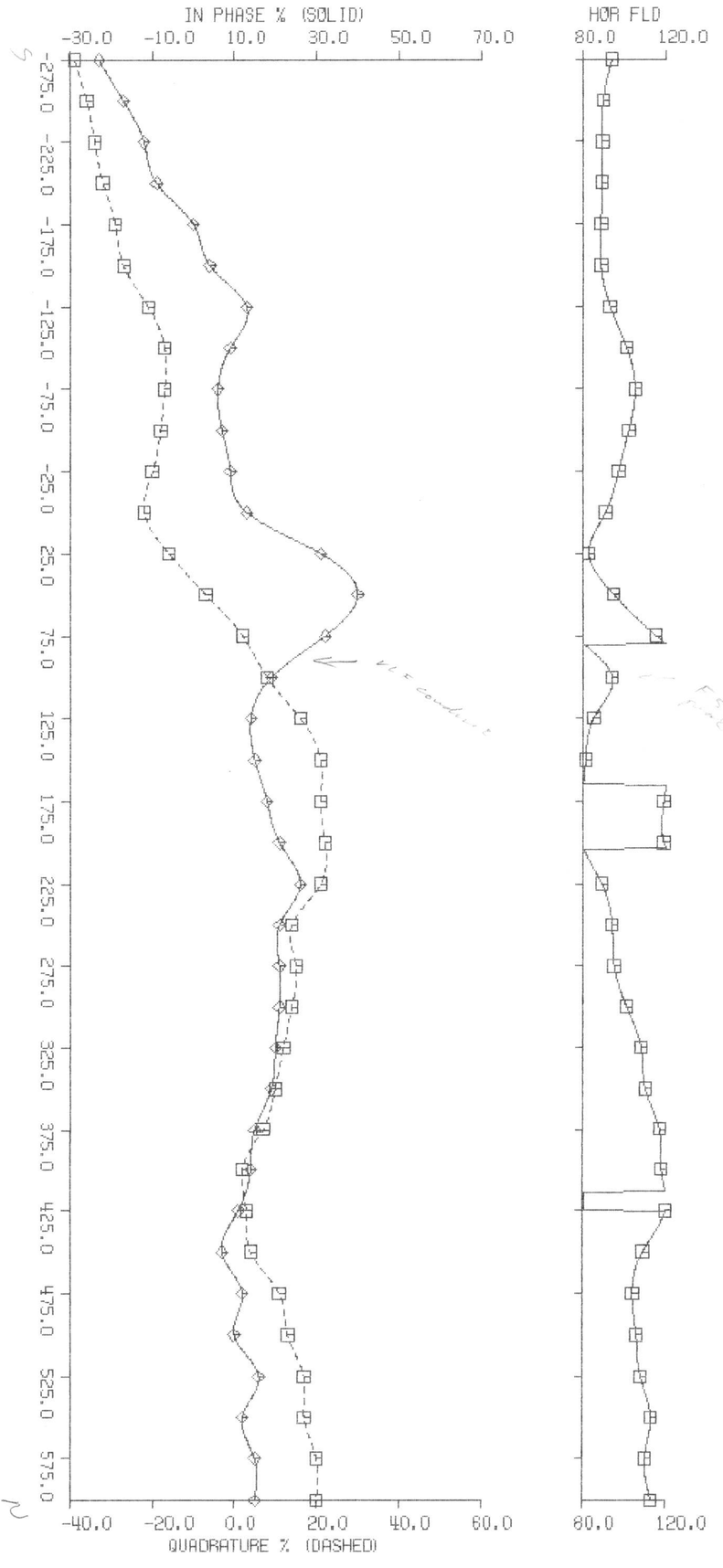

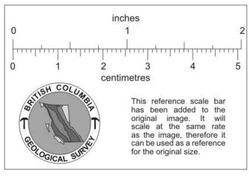

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Survey by A. Scott, Geophysicist

June 9, 1986

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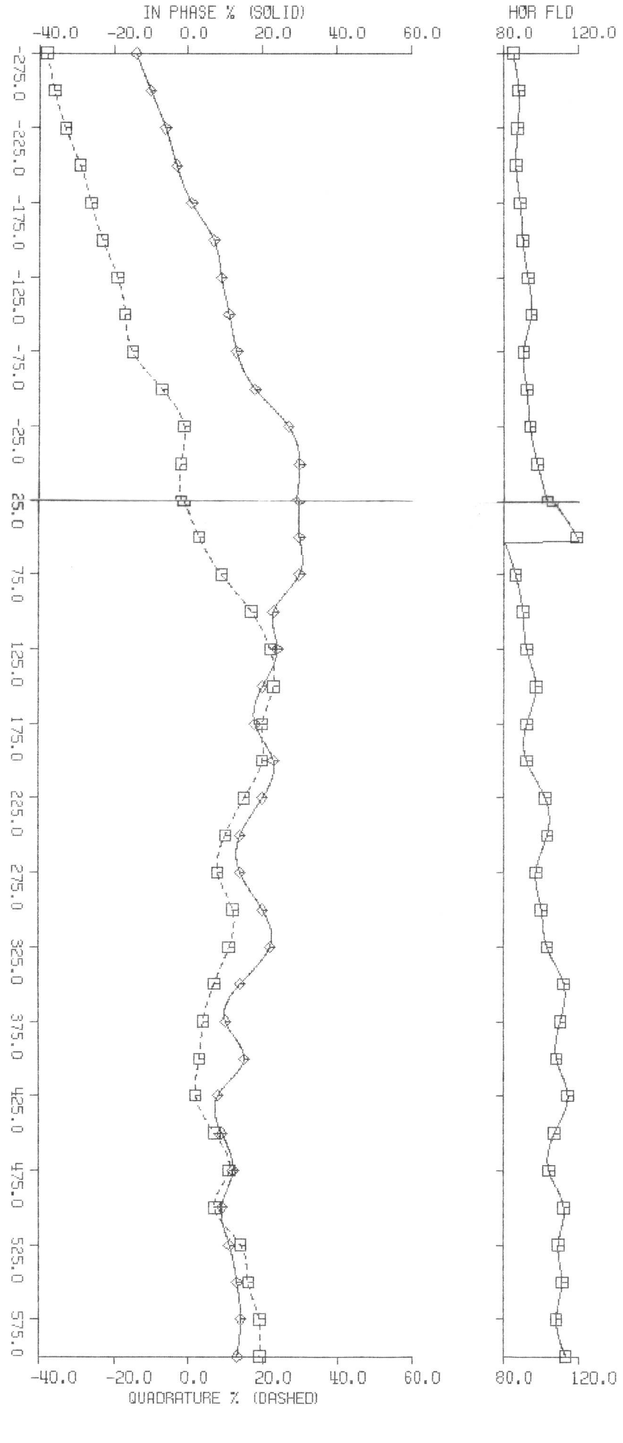

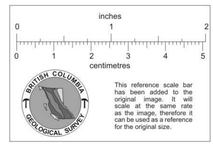

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LINE NUMBER 200.0 WEST

Survey by A. Scott, Geophysicist

June 9, 1986

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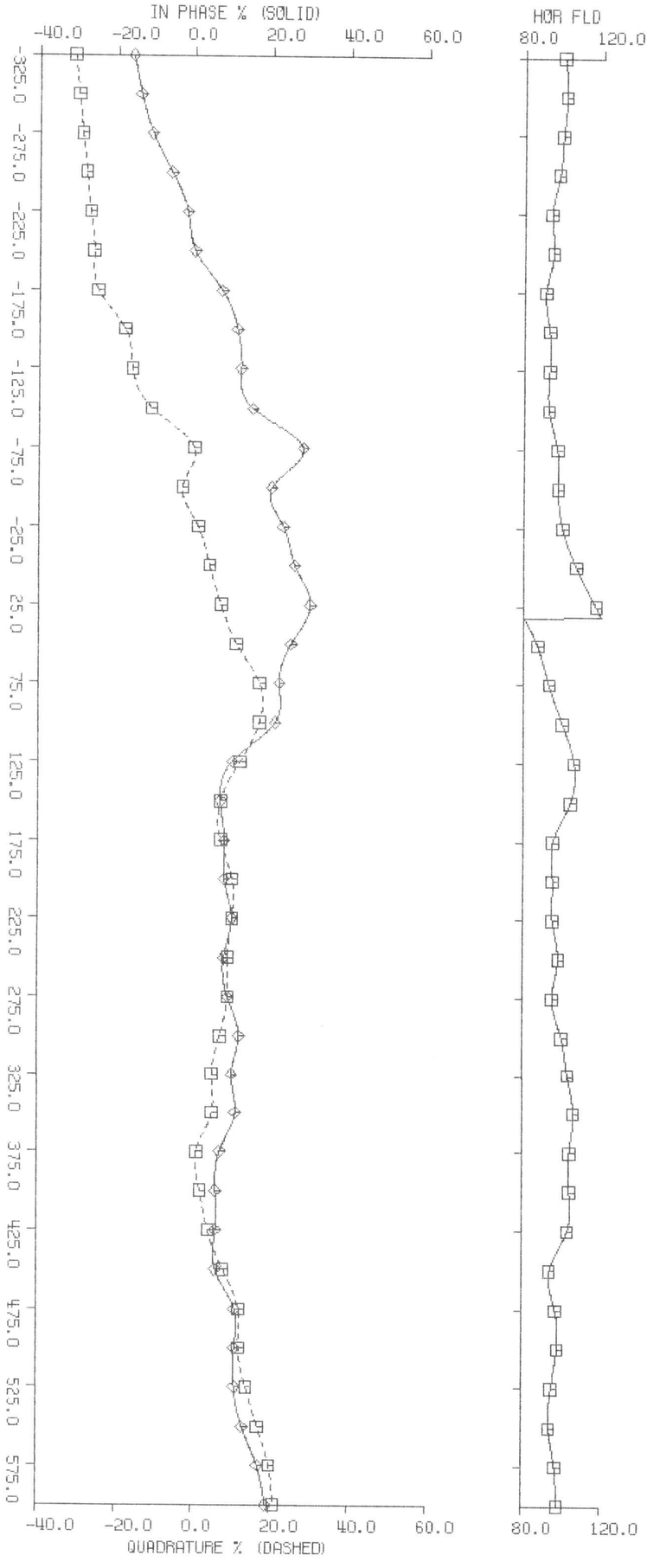

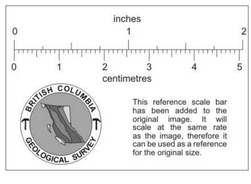

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HEATHER PROJECT

LINE NUMBER 300.0 WEST

Survey by A. Scott, Geophysicist

June 9, 1986

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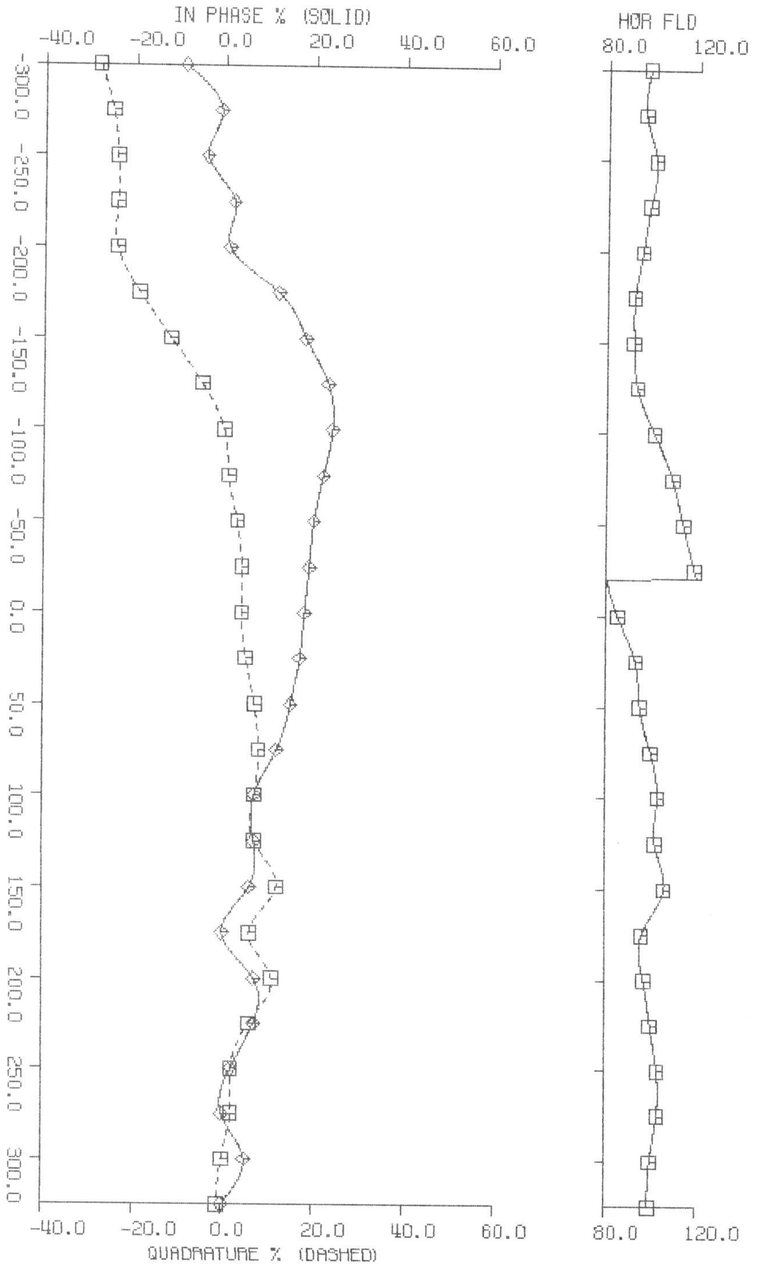

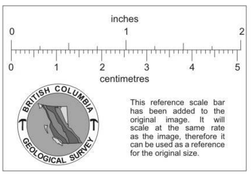

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HEATHER PROJECT

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Survey by A. Scott, Geophysicist

June 10, 1986

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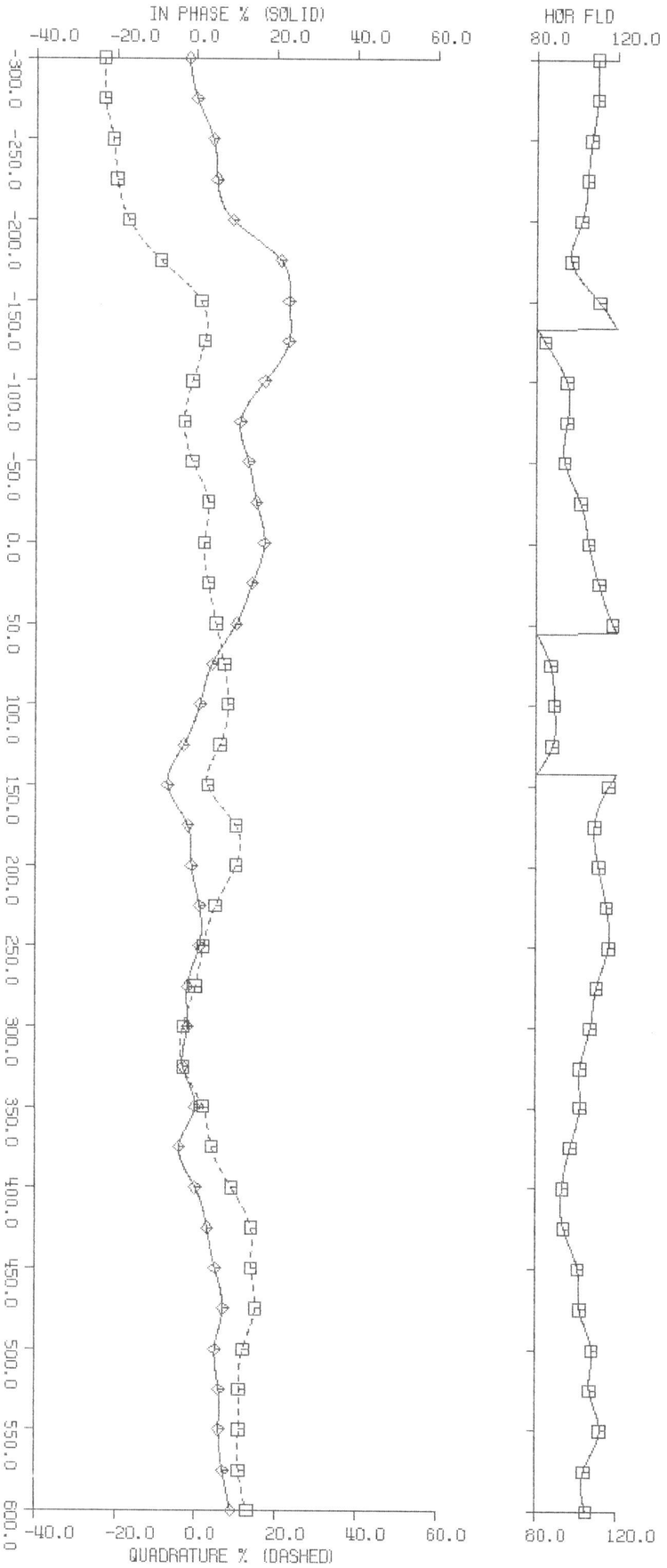

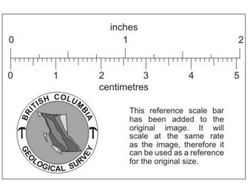

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 500.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

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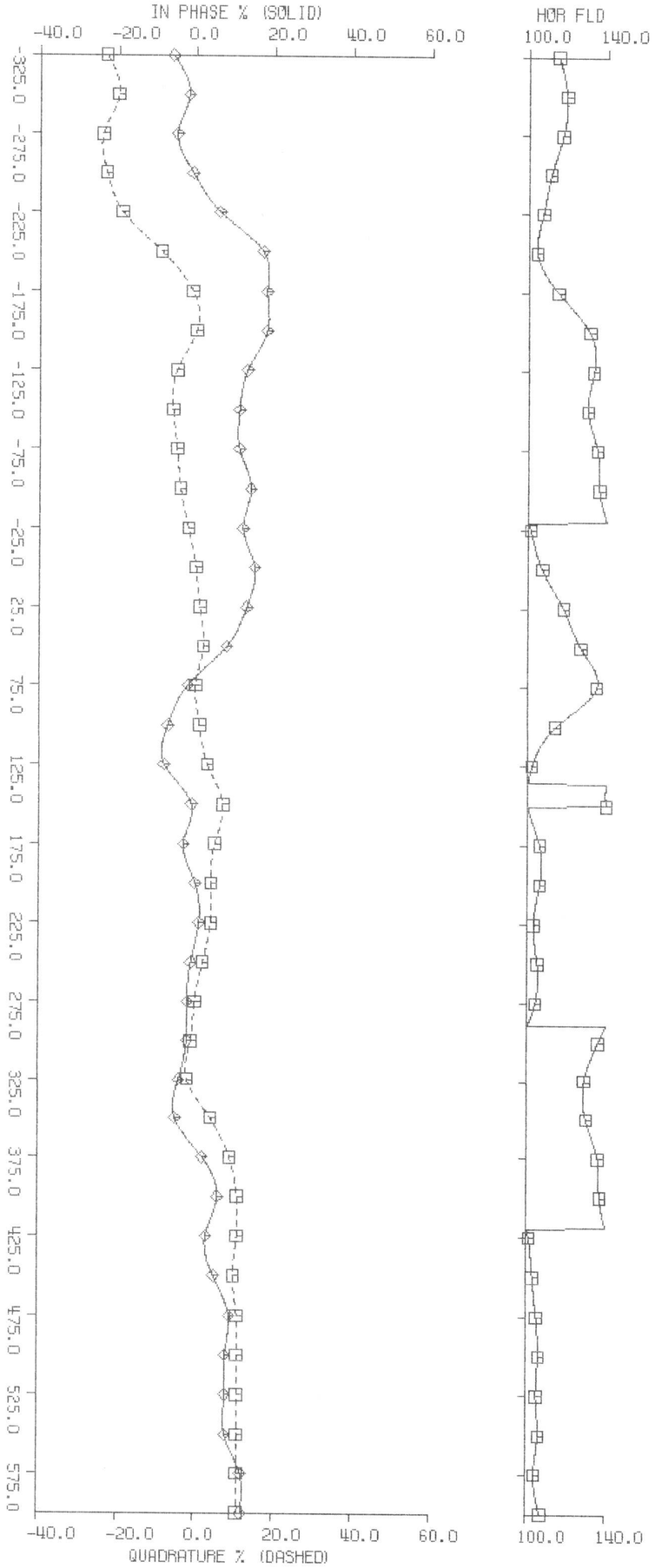

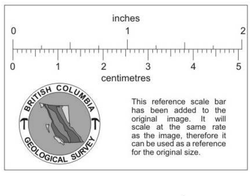

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 600.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

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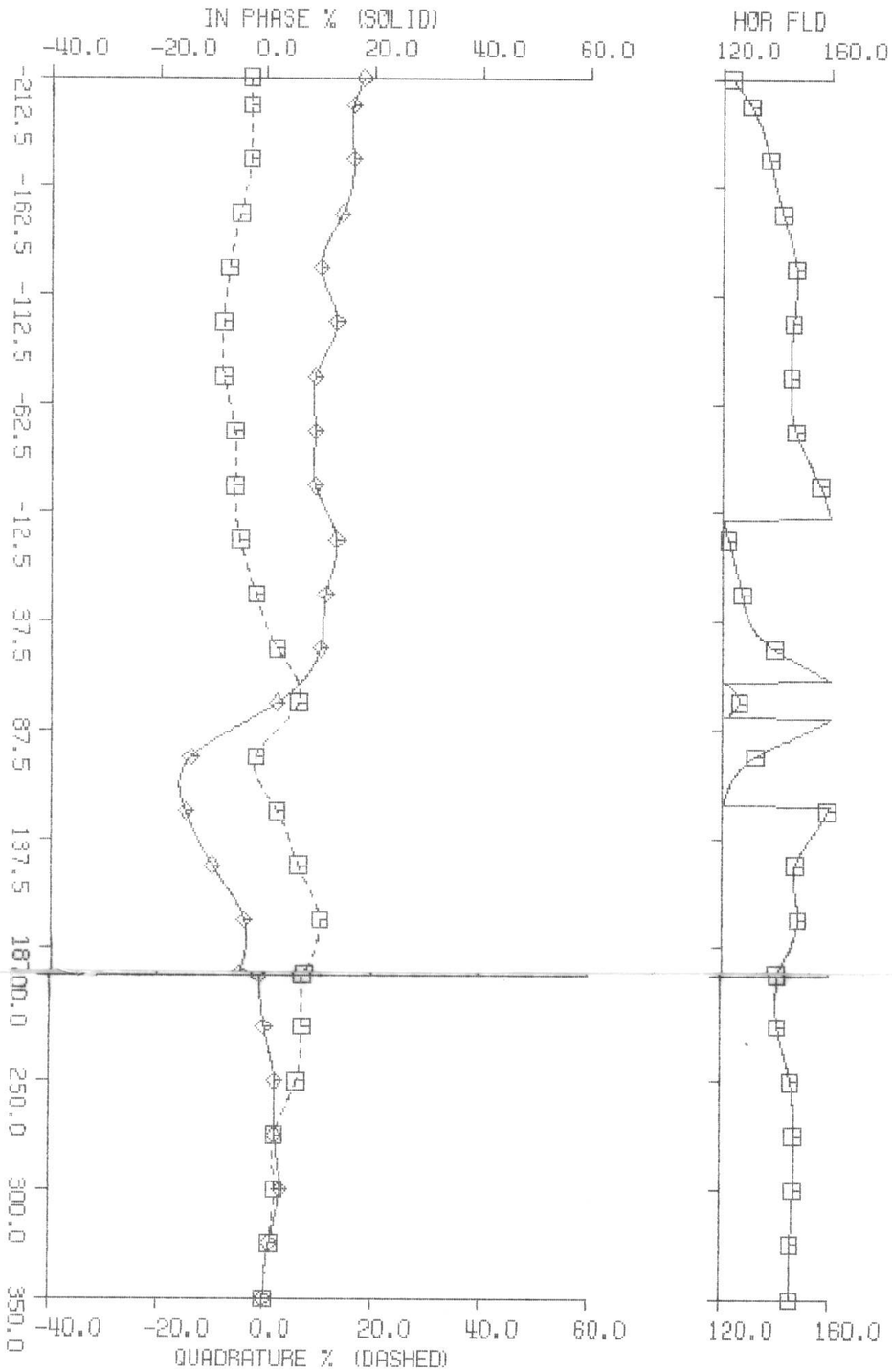

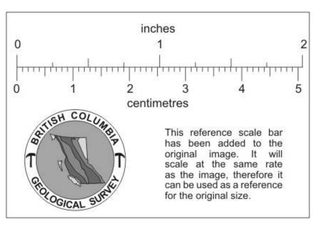

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 700.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

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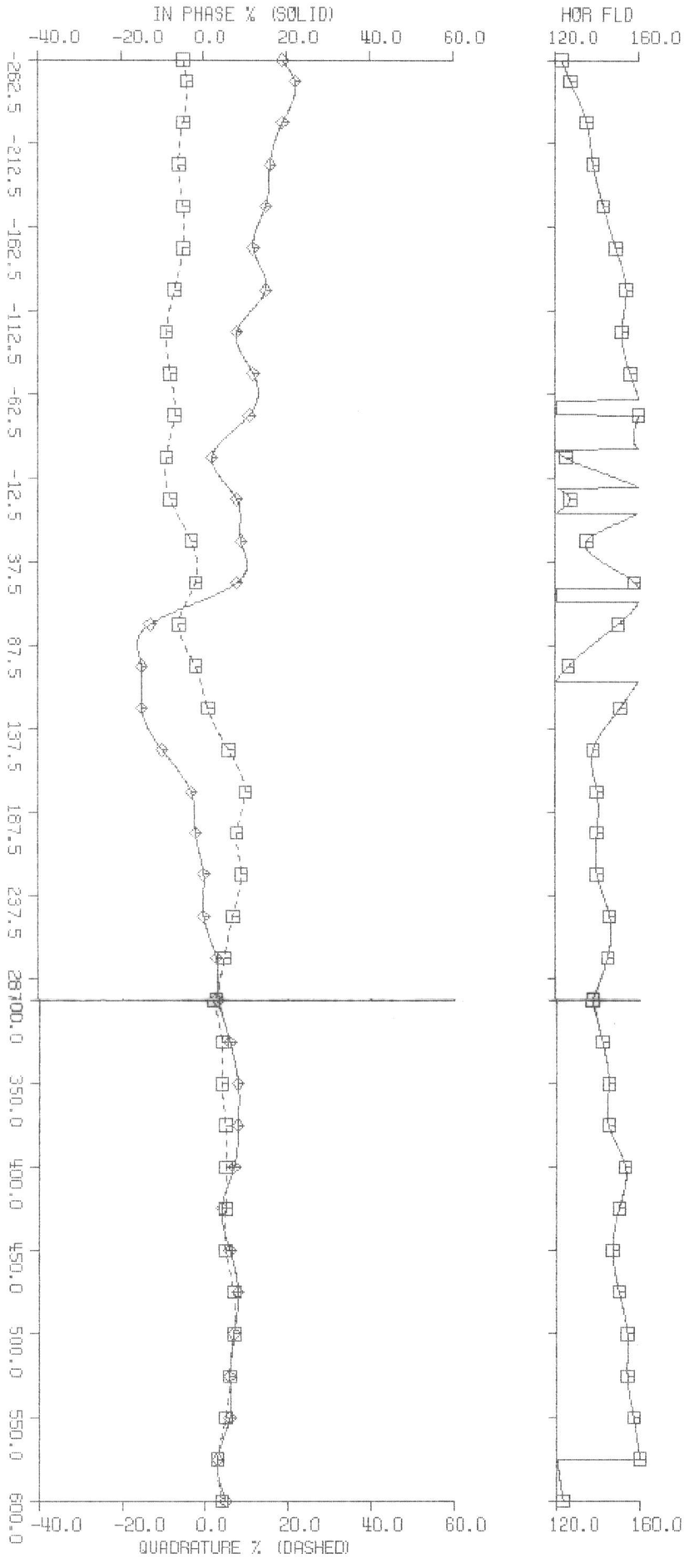

inches
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0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

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HEATHER PROJECT

LINE NUMBER 800.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

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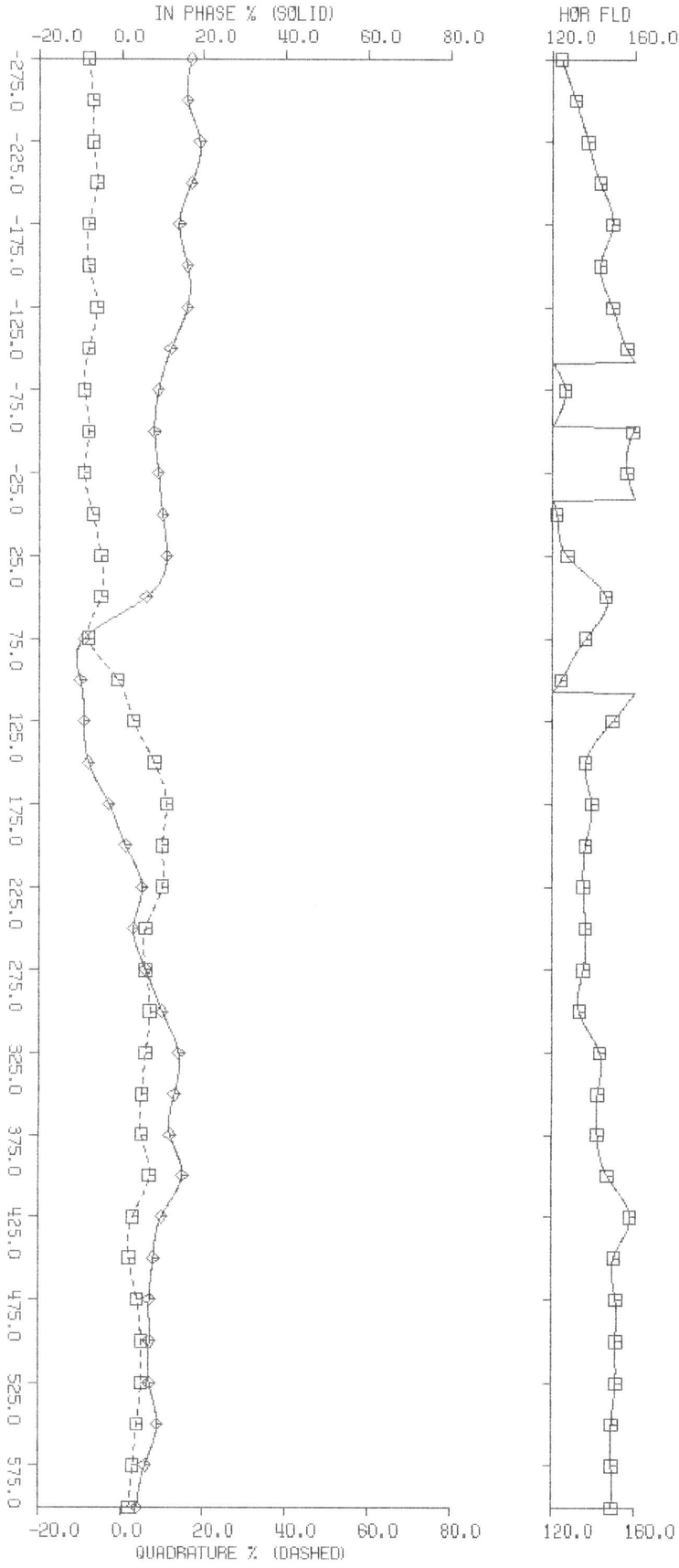

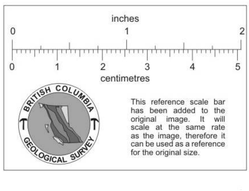

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 900.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

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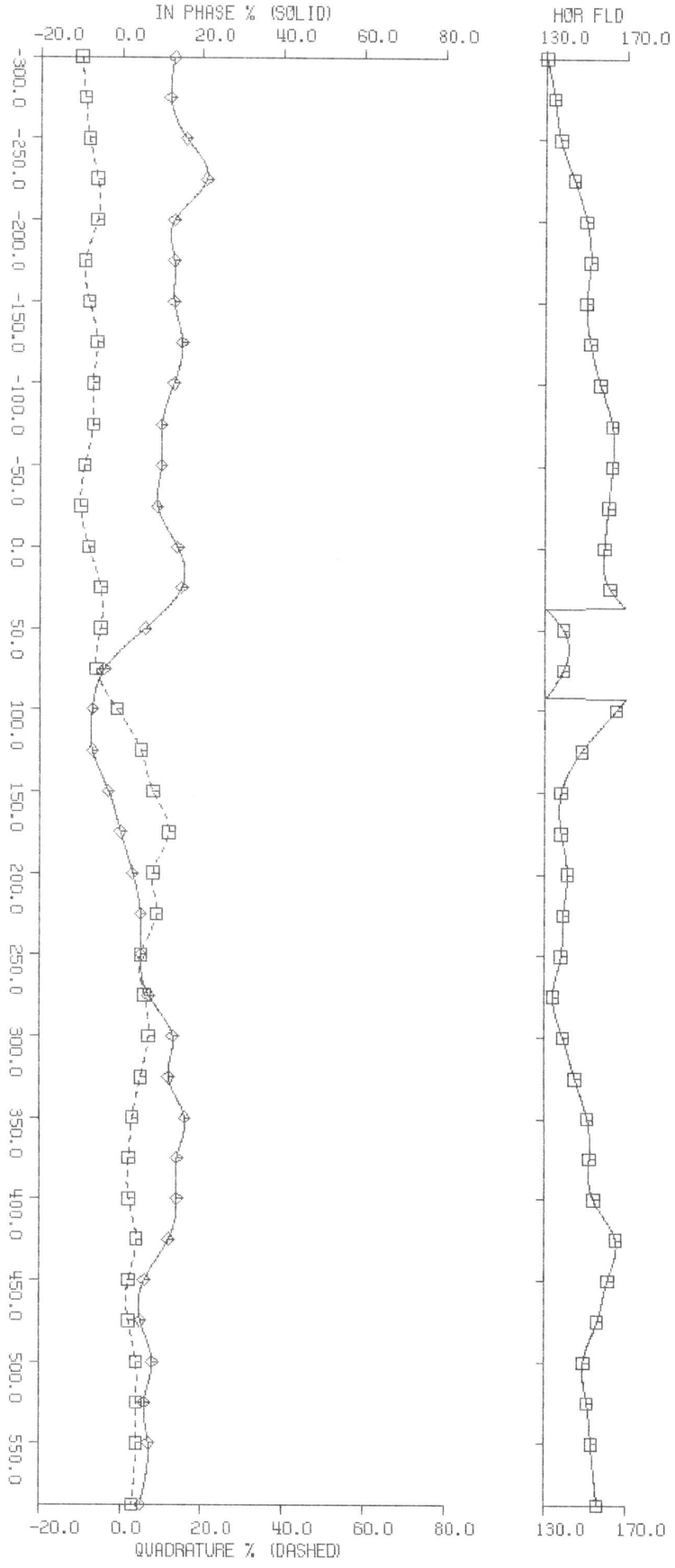

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BRITISH COLUMBIA GEOLOGICAL SURVEY

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CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

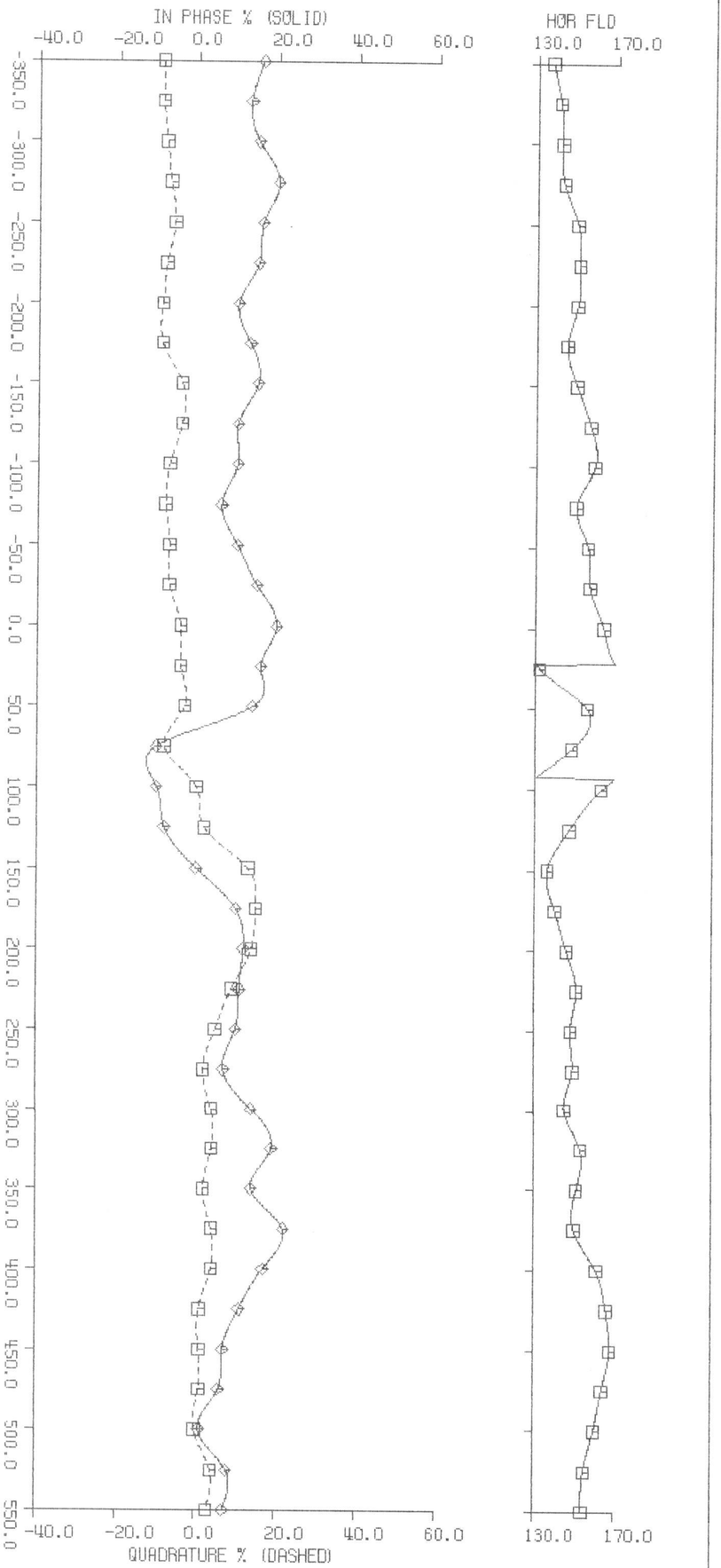
LINE NUMBER 1000.0 WEST

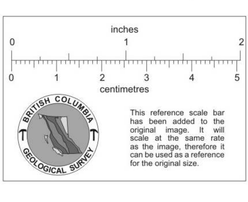
Survey by A. Scott, Geophysicist

June 10, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

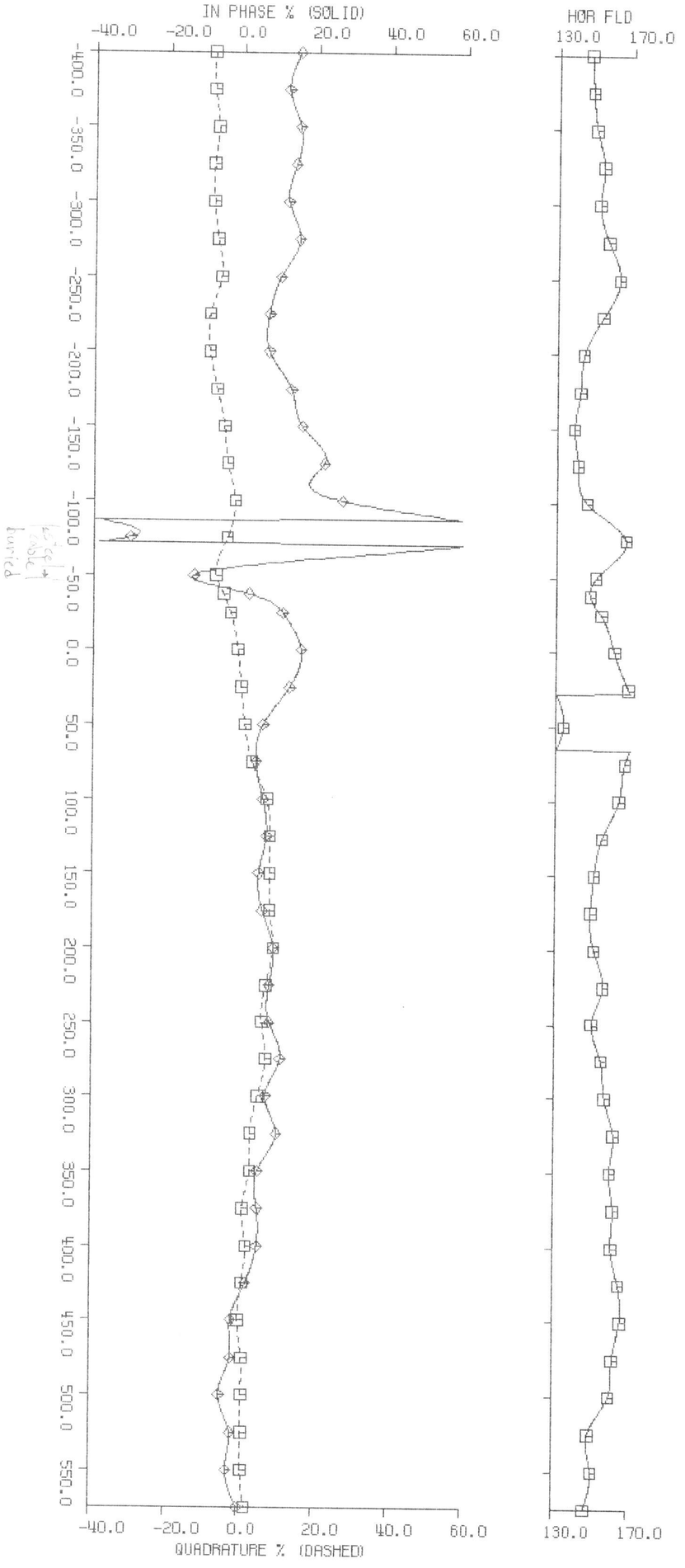
LINE NUMBER 1100.0 WEST

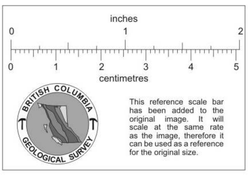
Survey by A. Scott, Geophysicist

June 10, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

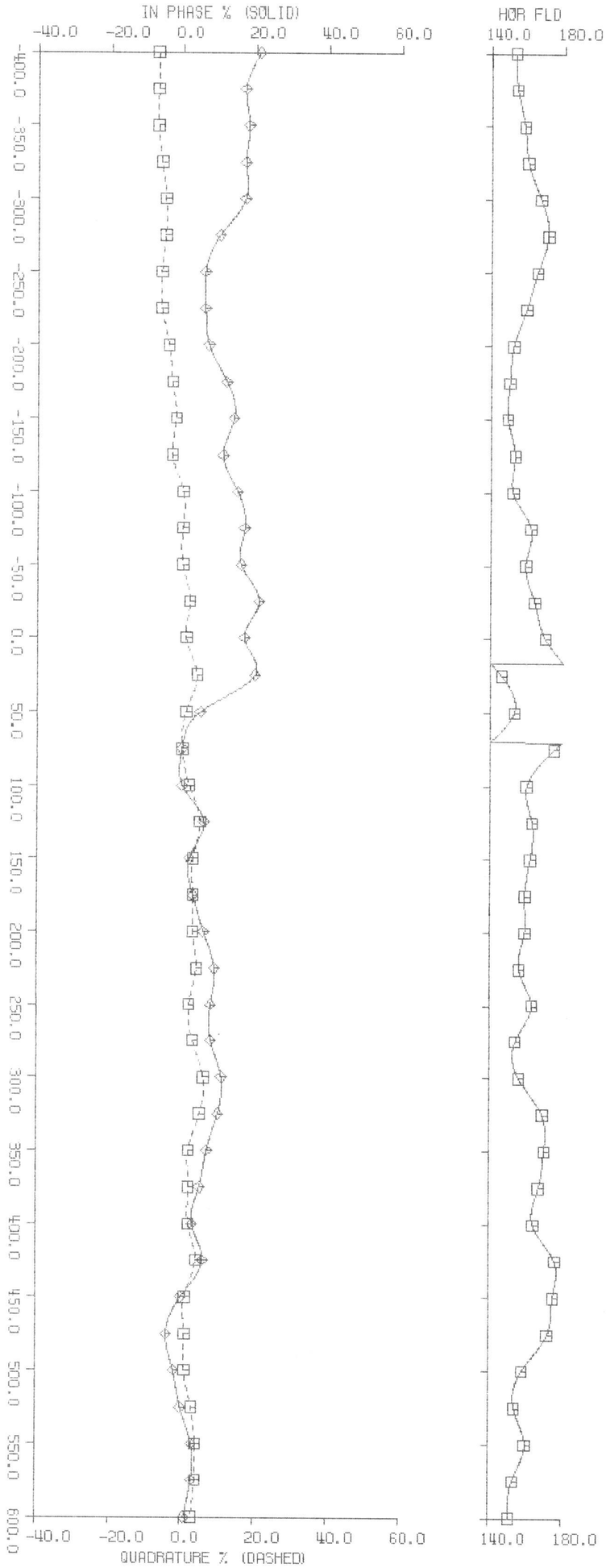
LINE NUMBER 1200.0 WEST

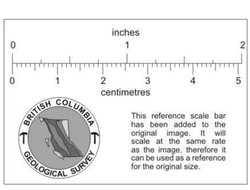
Survey by A. Scott, Geophysicist

June 10, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

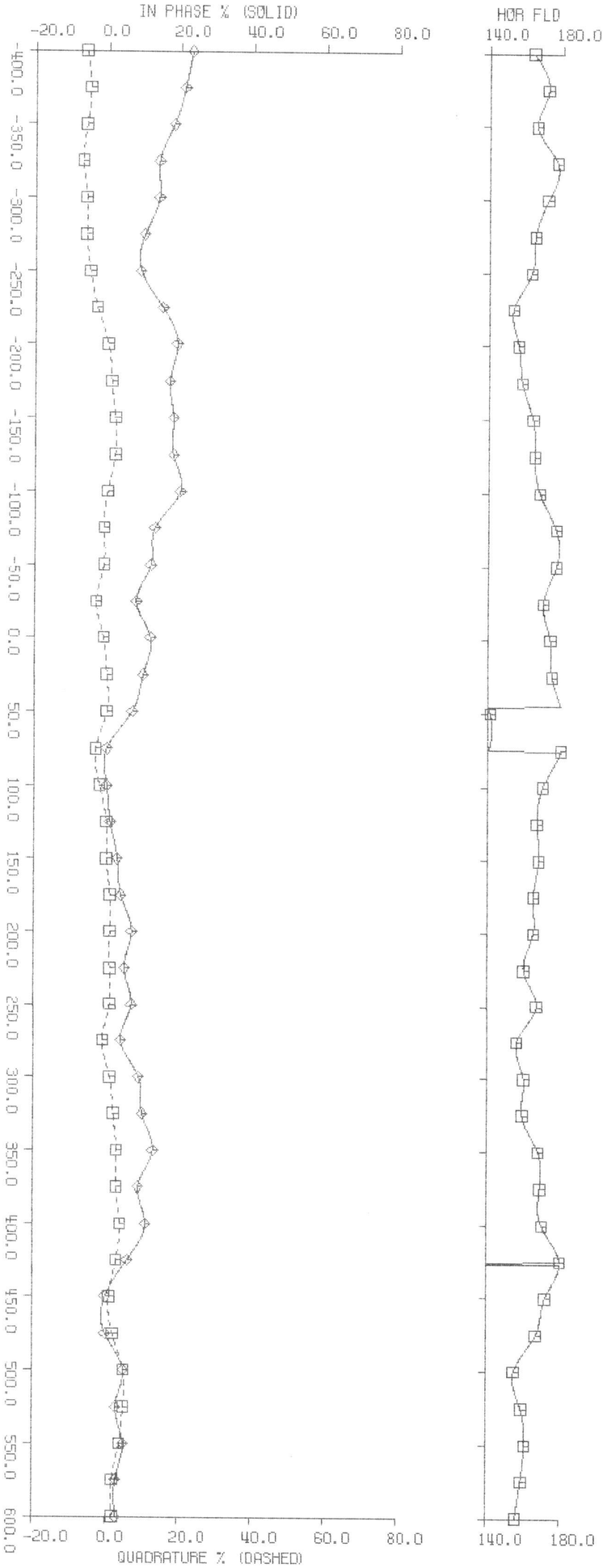
LINE NUMBER 1300.0 WEST

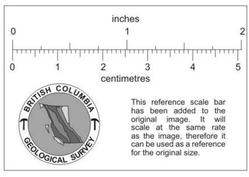
Survey by A. Scott, Geophysics

June 10, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

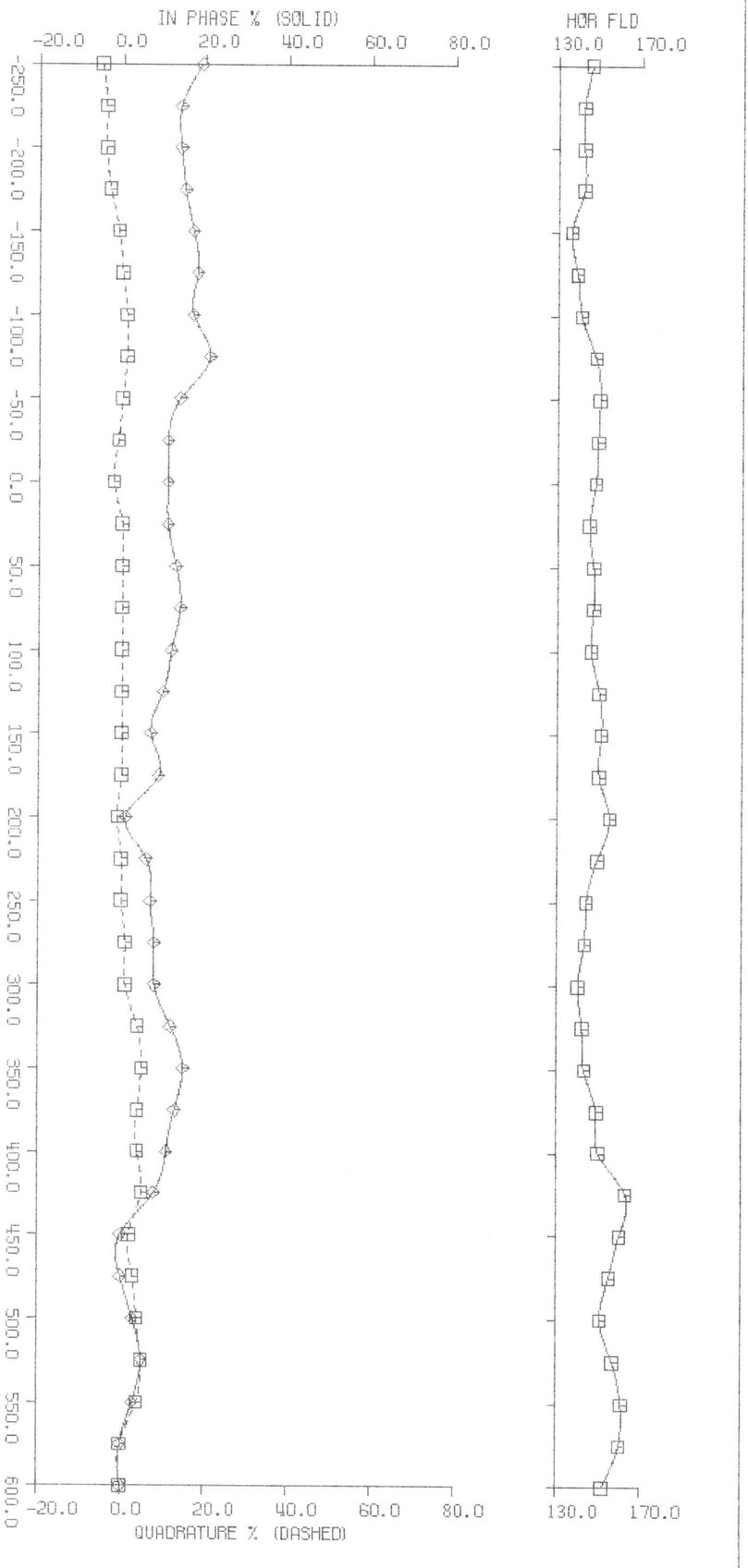
LINE NUMBER 1400.0 WEST

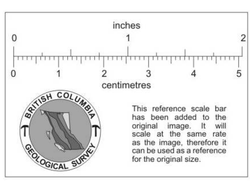
Survey by A. Scott, Geophysicist

June 11, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

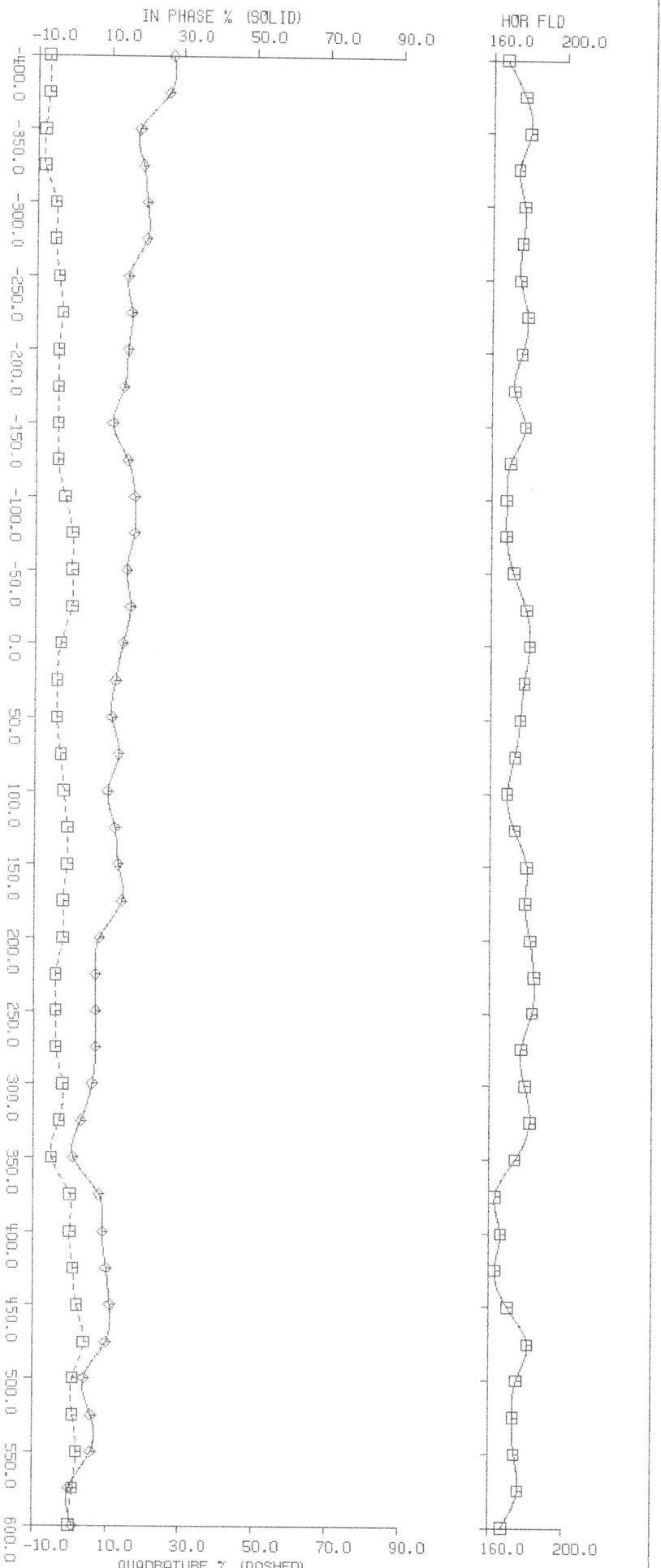
LINE NUMBER 1500.0 WEST

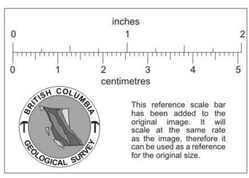
Survey by A. Scott, Geophysicist

June 11, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





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CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

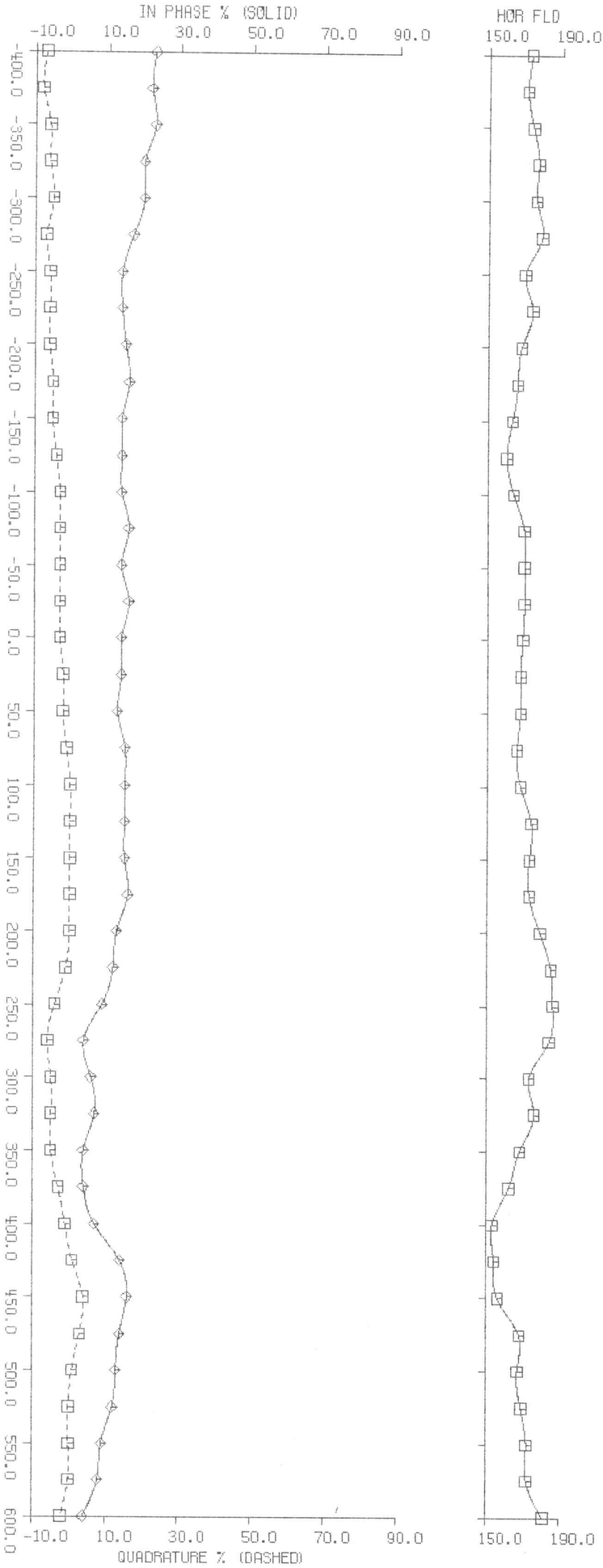
LINE NUMBER 1600.0 WEST

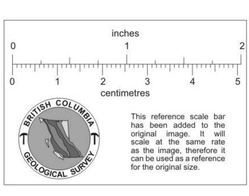
Survey by A. Scott, Geophysicist

June 11, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CØRPØRATIØN FALCØNBRIDGE CØPPER

HEATHER PRØJECT

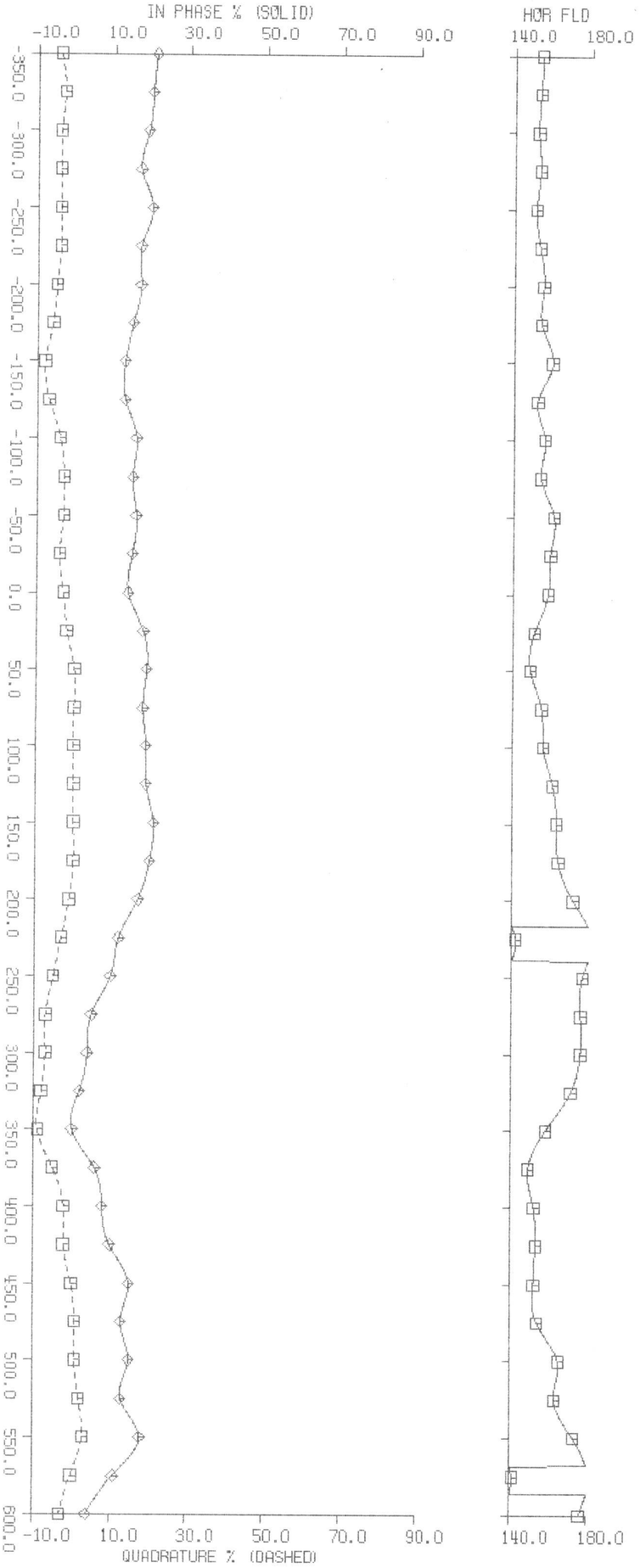
LINE NUMBER 1700.0 WEST

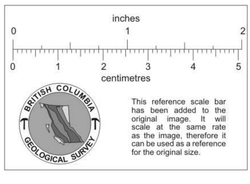
Survey by A. Scott, Geophysicist

June 11, 1986

NLK, SEATTLE, WASHINGTØN, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

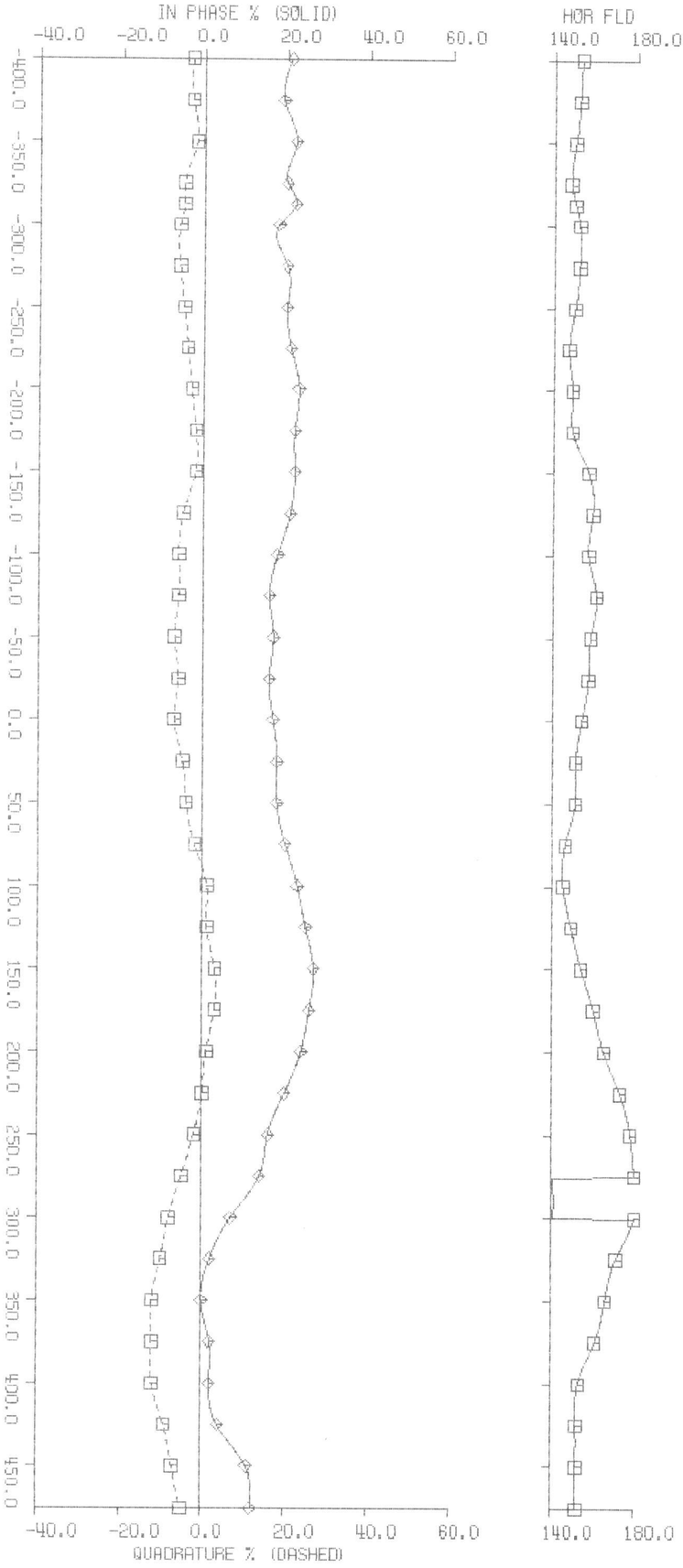
LINE NUMBER 1800.0 WEST

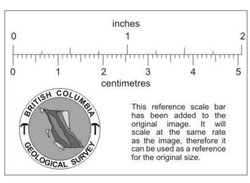
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

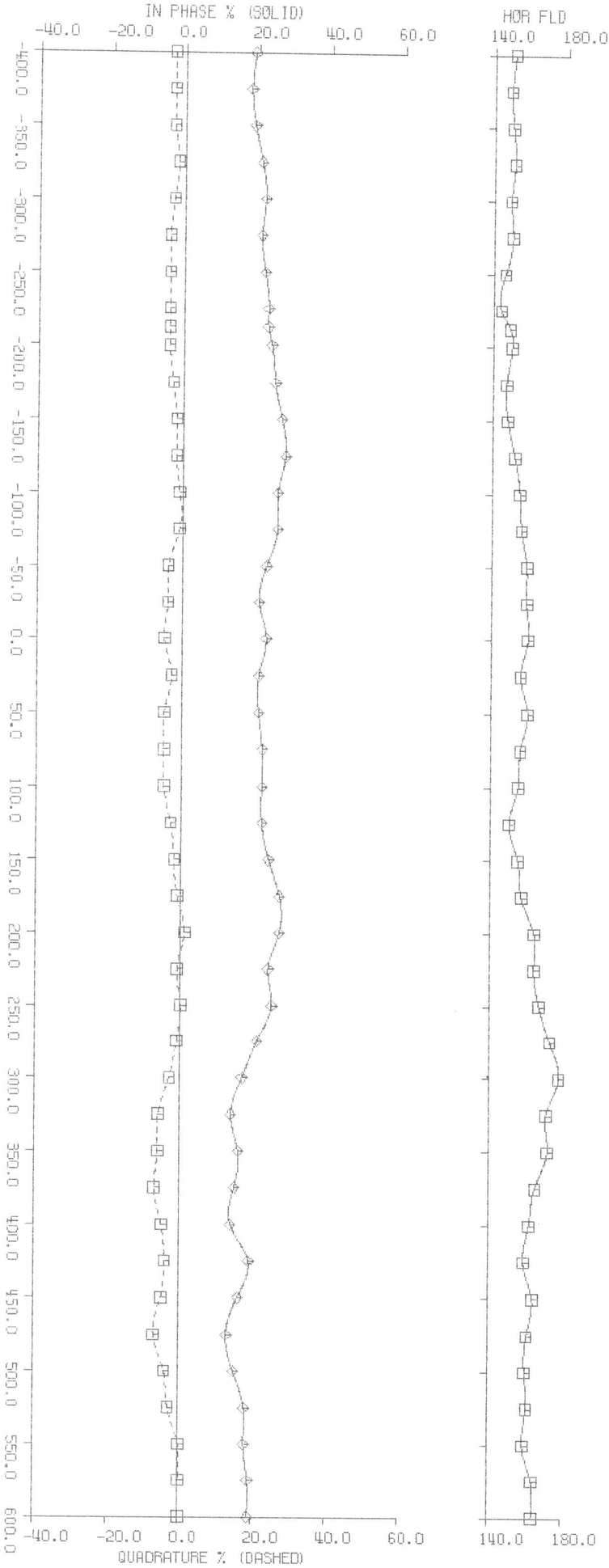
LINE NUMBER 1900.0 WEST

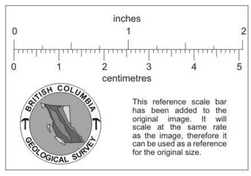
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

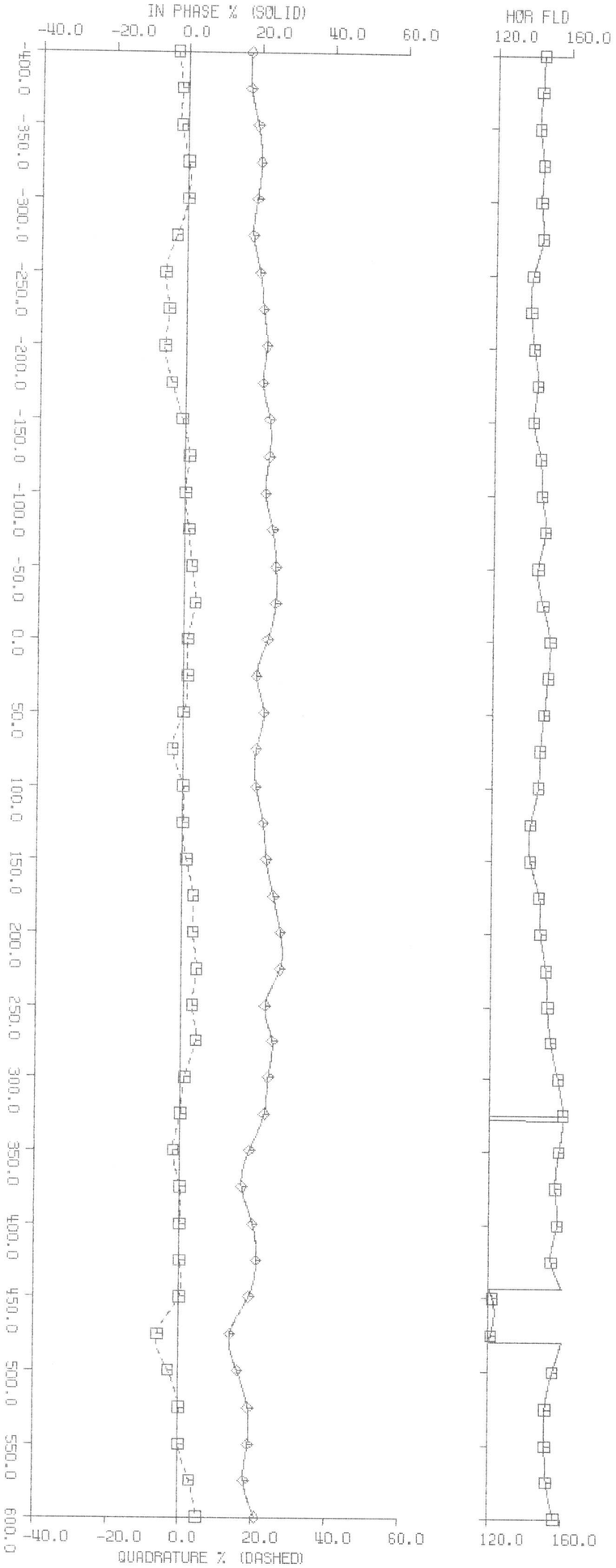
LINE NUMBER 2000.0 WEST

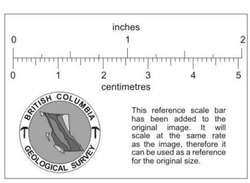
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

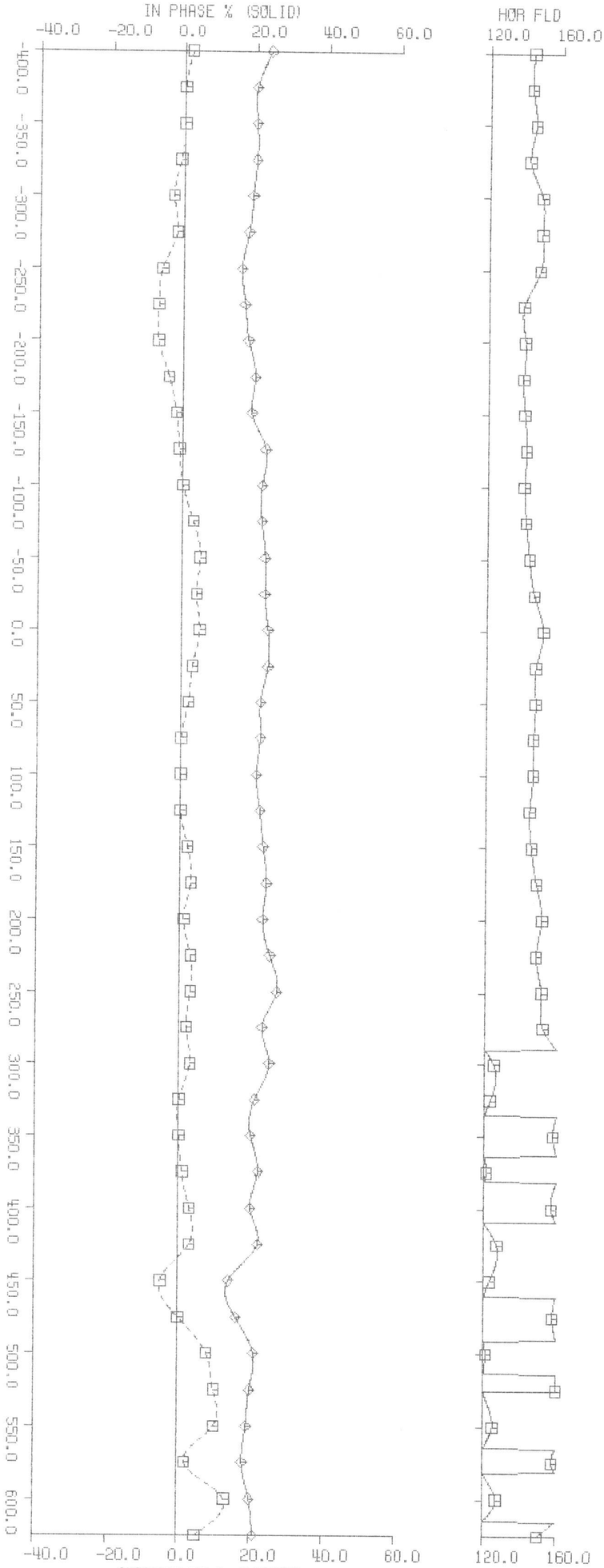
LINE NUMBER 2100.0 WEST

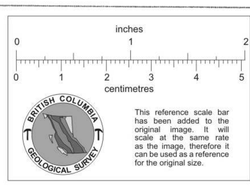
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

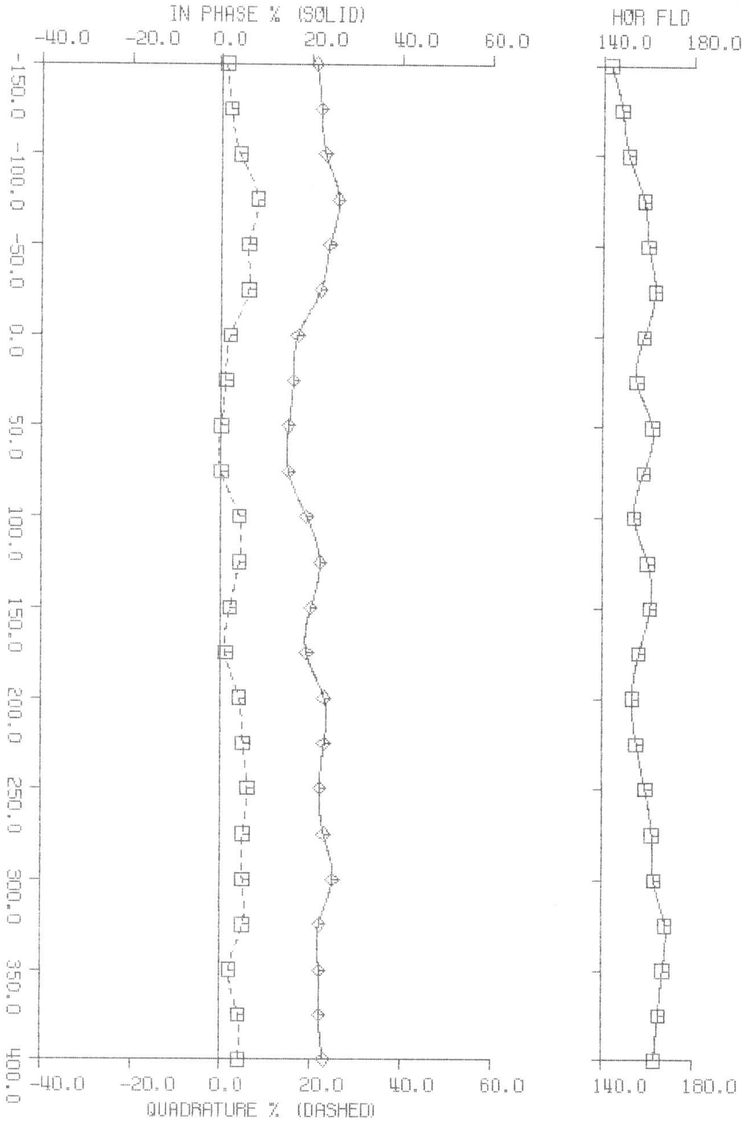
LINE NUMBER 2200.0 WEST

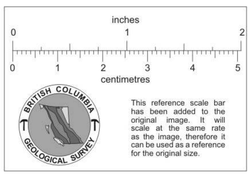
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

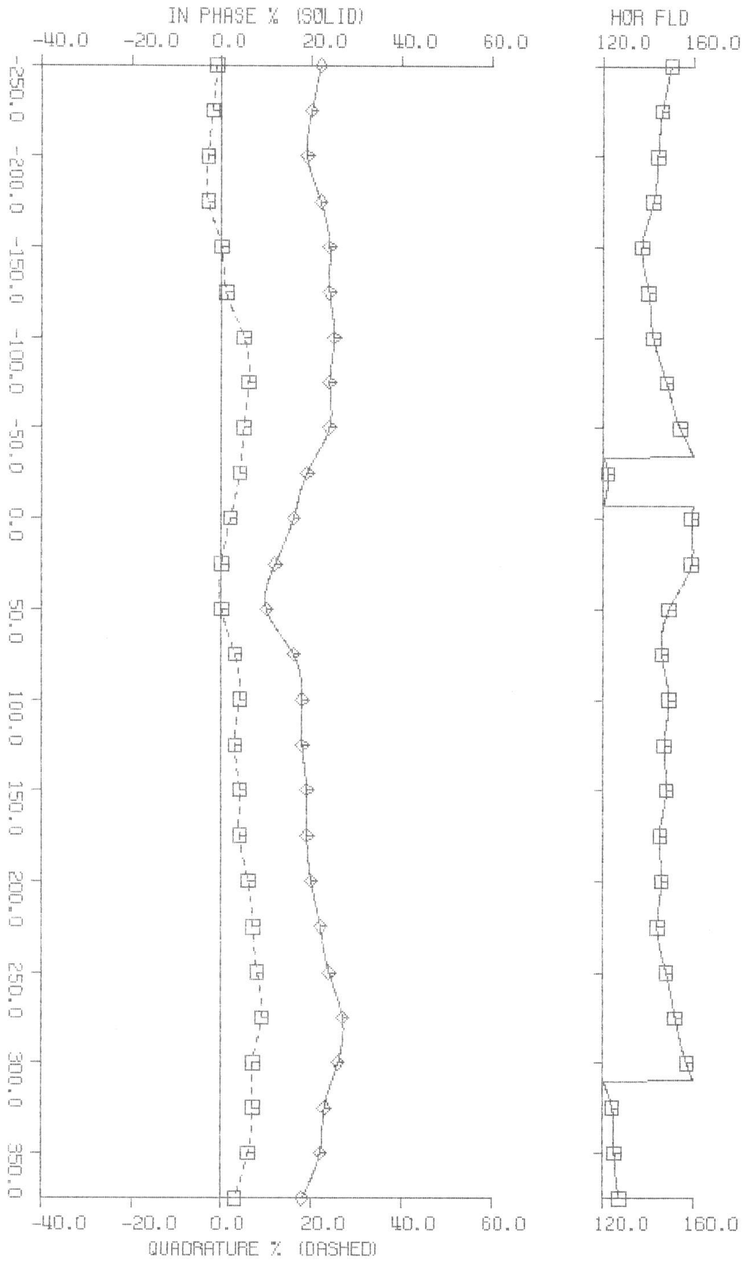
LINE NUMBER 2300.0 WEST

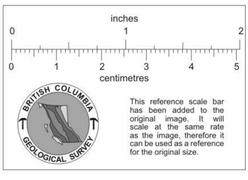
Survey By: A. Scott, Geophysicist

June 13, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

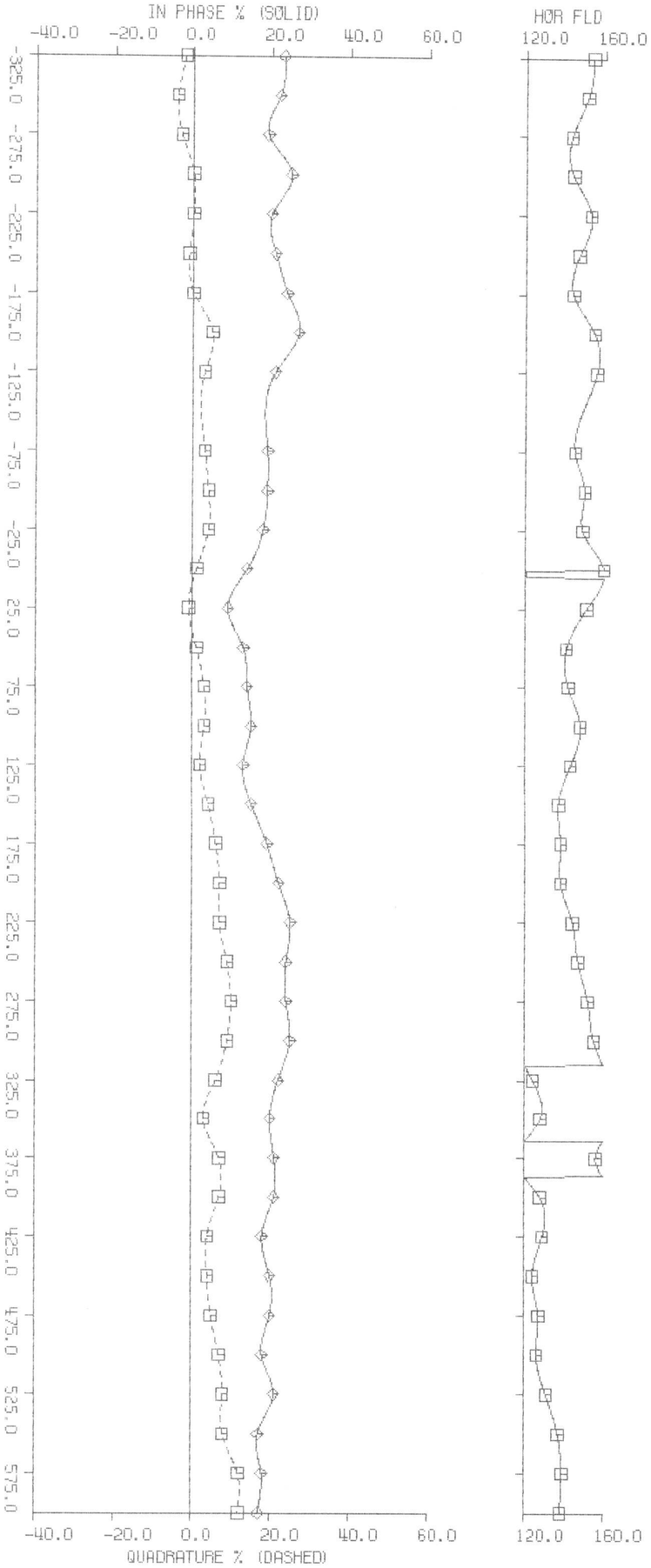
LINE NUMBER 2400.0 WEST

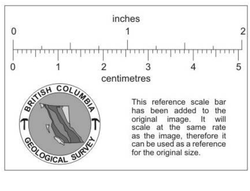
Survey By: A. Scott, Geophysicist

June 14, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

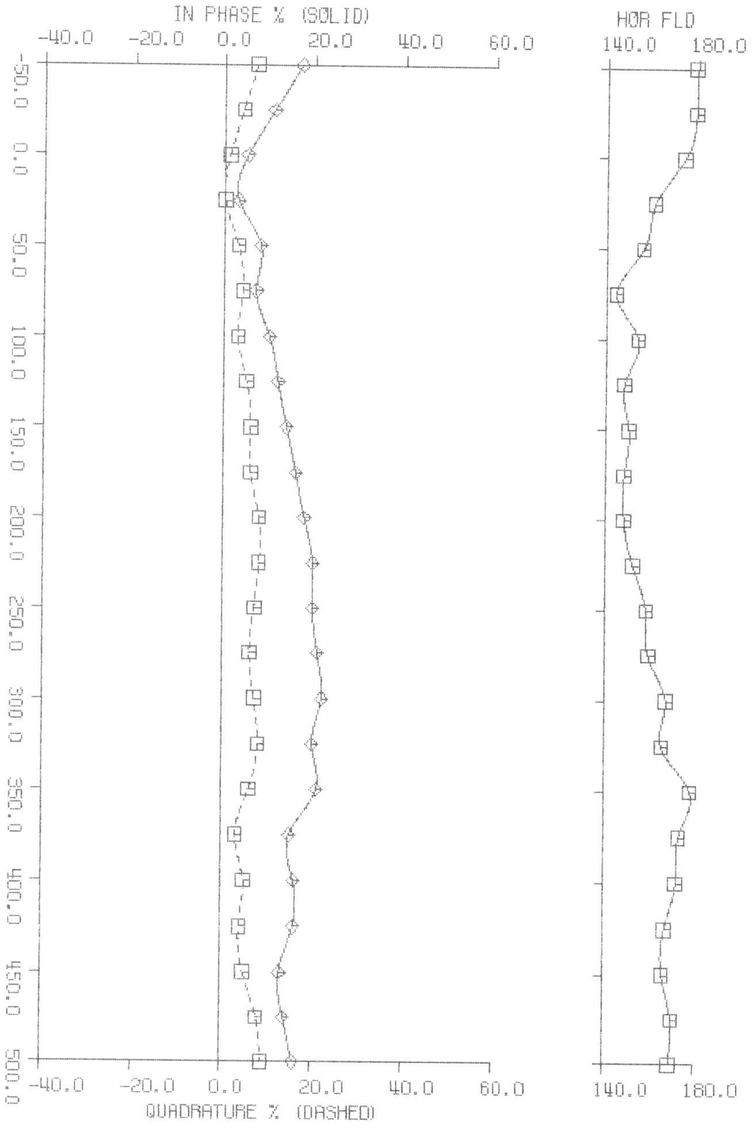
LINE NUMBER 2500.0 WEST

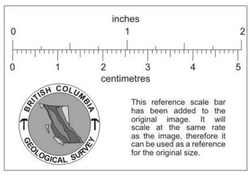
Survey By: A. Scott, Geophysicist

June 14, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

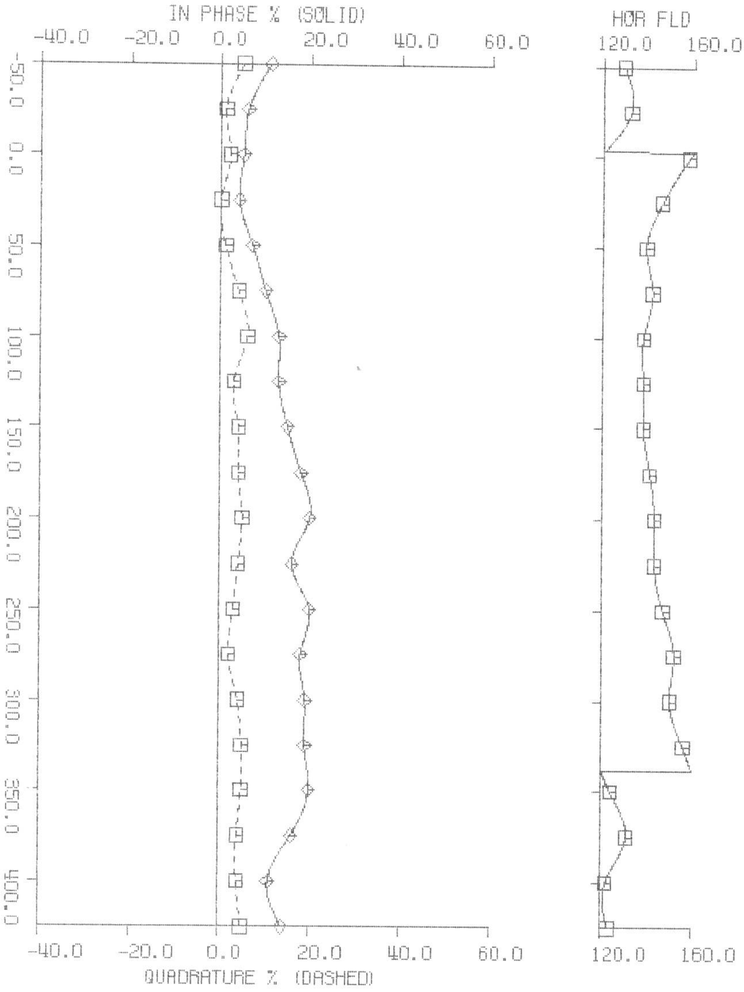
LINE NUMBER 2600.0 WEST

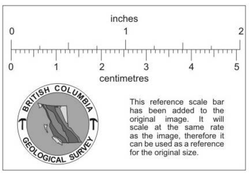
Survey By: A. Scott, Geophysicist

June 14, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

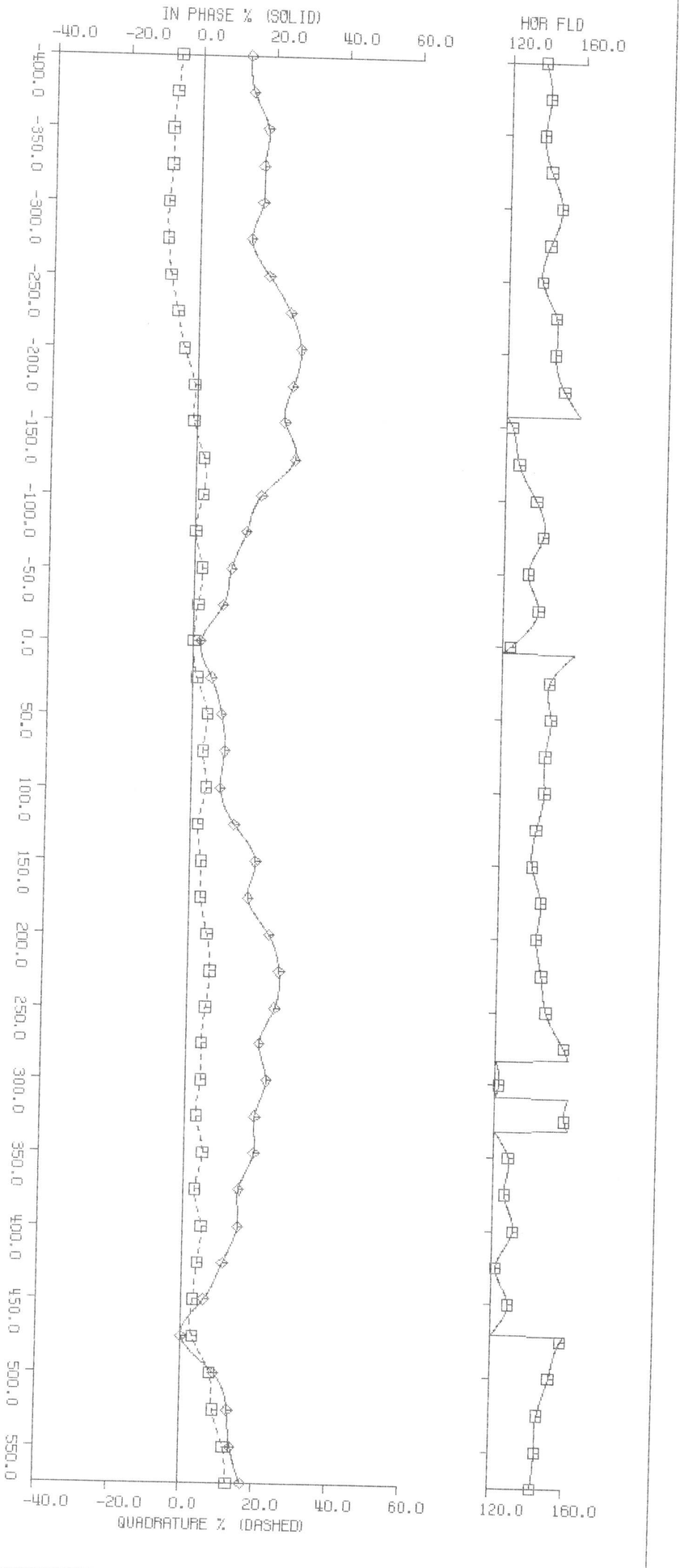
LINE NUMBER 2700.0 WEST

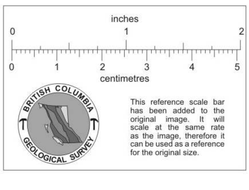
Survey By: A. Scott, Geophysicist

June 12, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

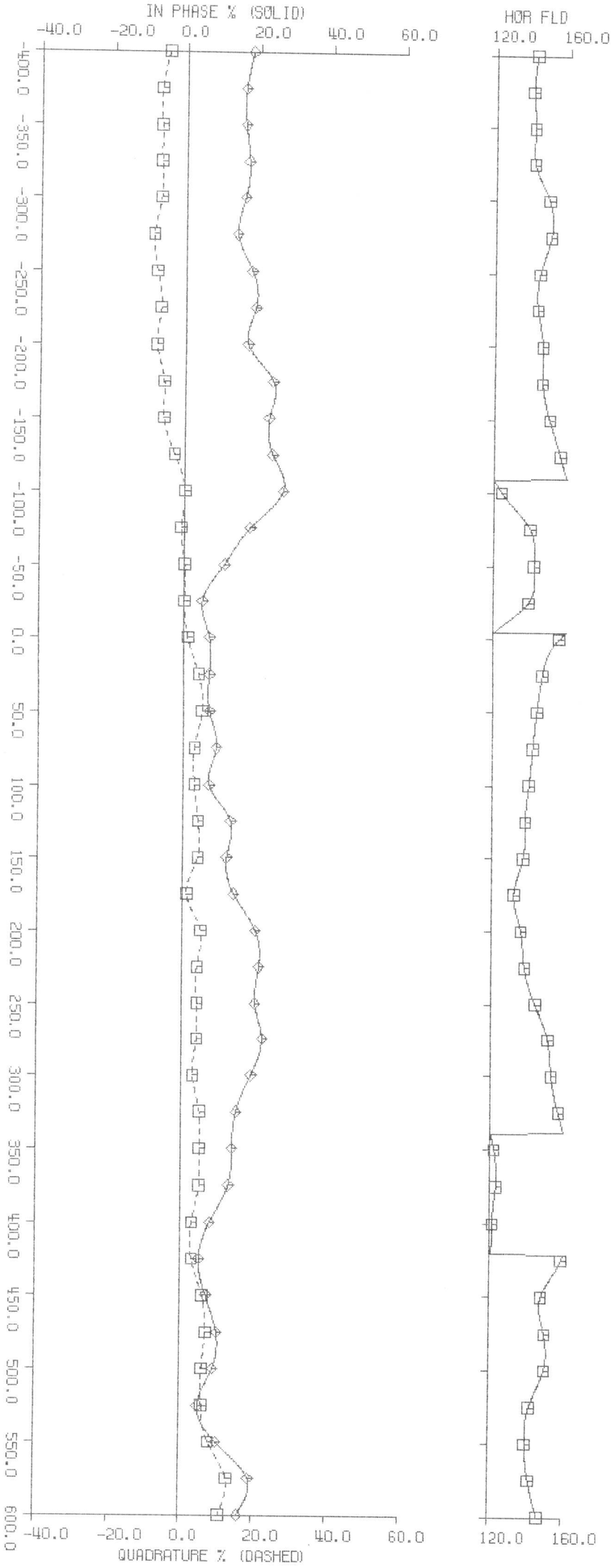
LINE NUMBER 2800.0 WEST

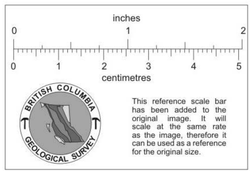
Survey By: A. Scott, Geophysicist

June 12, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

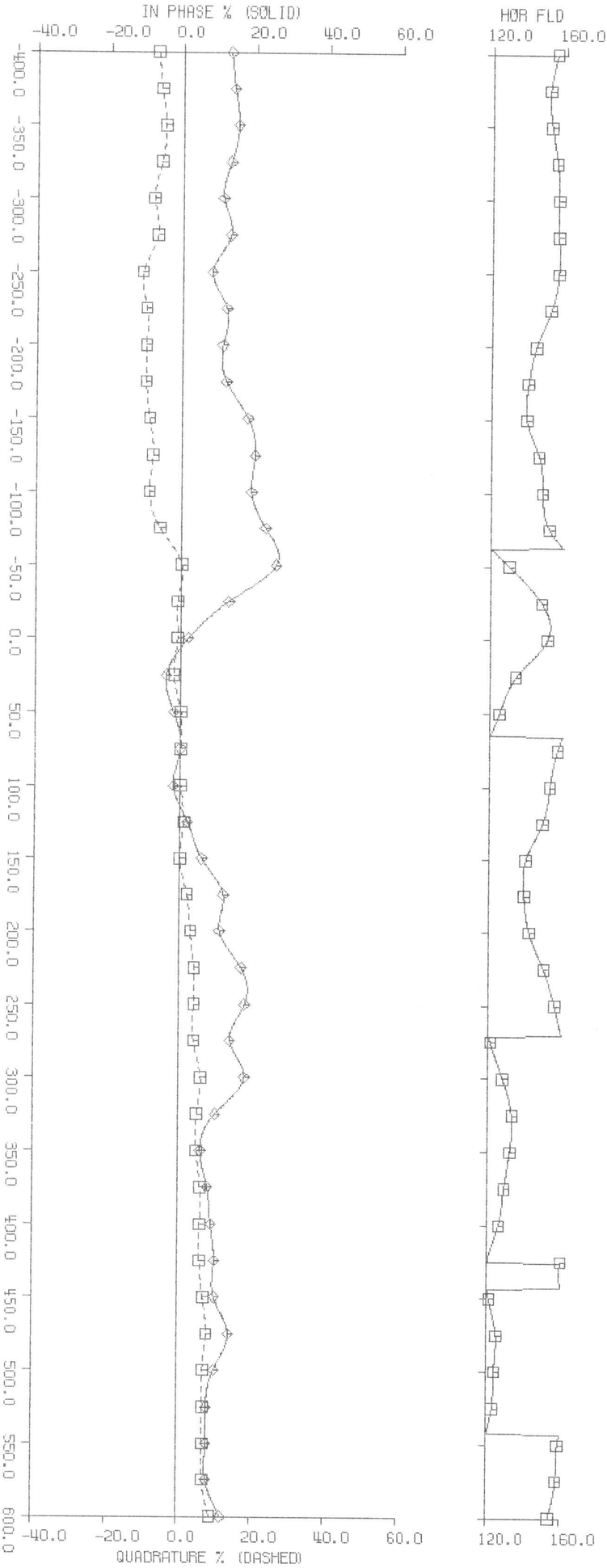
LINE NUMBER 2900.0 WEST

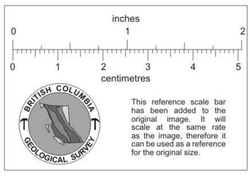
Survey By: A. Scott, Geophysicist

June 12, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

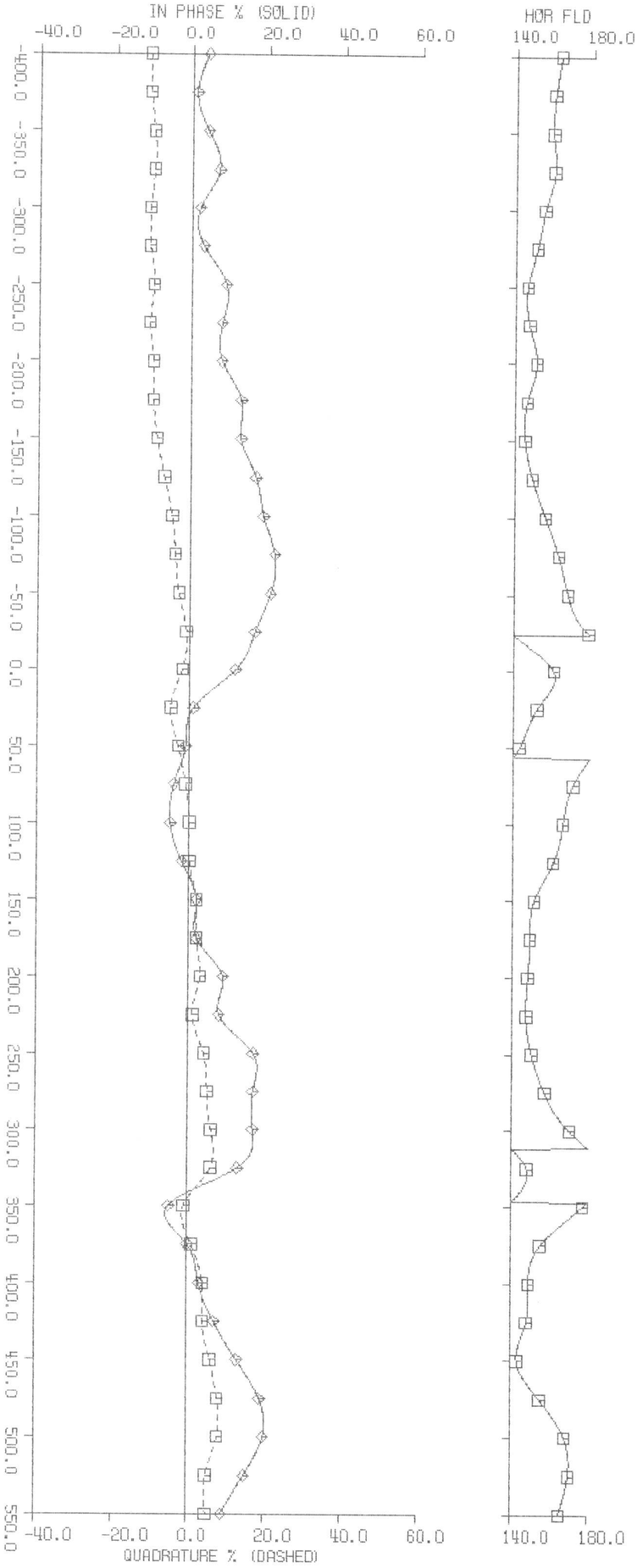
LINE NUMBER 3000.0 WEST

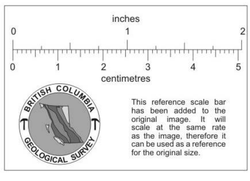
Survey By: A. Scott, Geophysicist

June 12, 1986

NLK, SEATTLE, WASHINGTON, USA, 24.8 kHz

SCALE 1: 2500





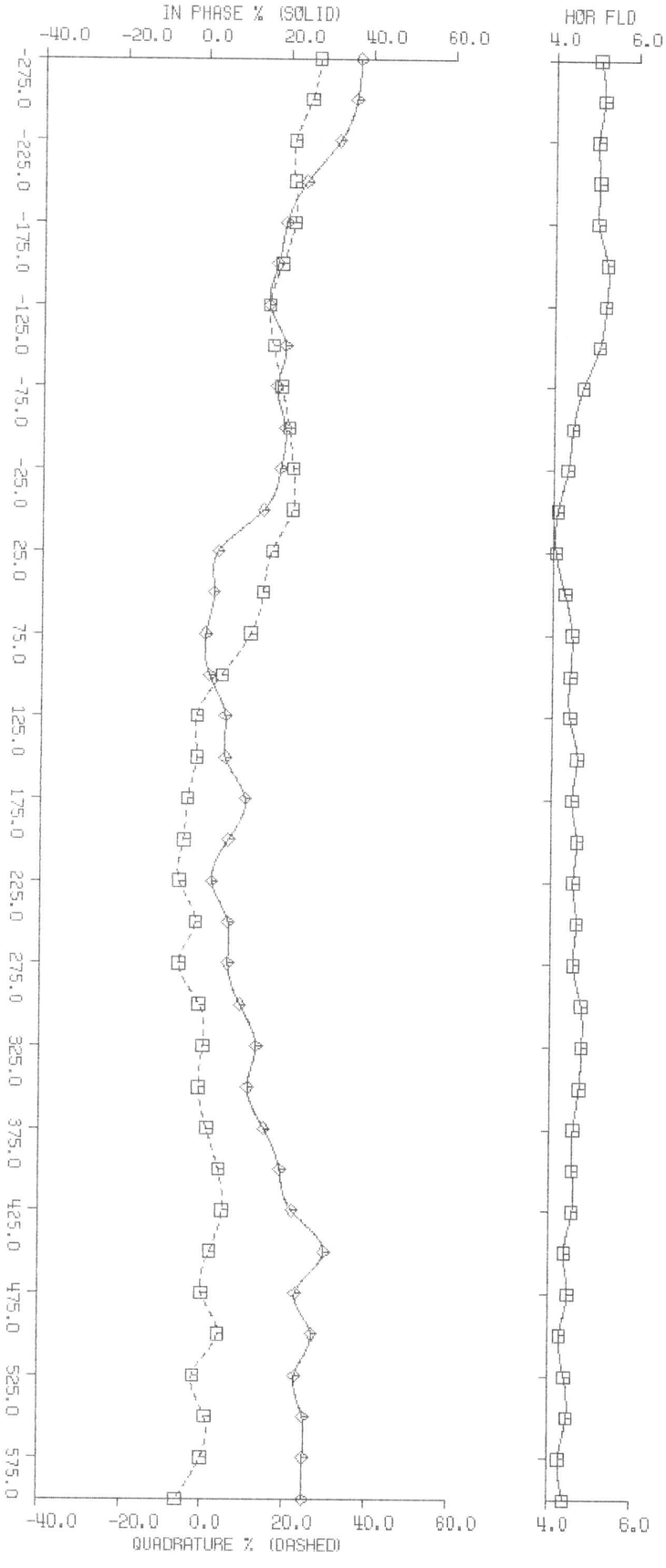
CORPORATION FALCONBRIDGE COPPER

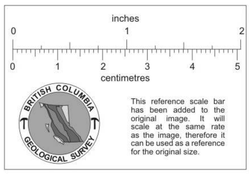
HEATHER PROJECT

LINE NUMBER 0.0 WEST

Survey by A. Scott, Geophysicist
June 9, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500

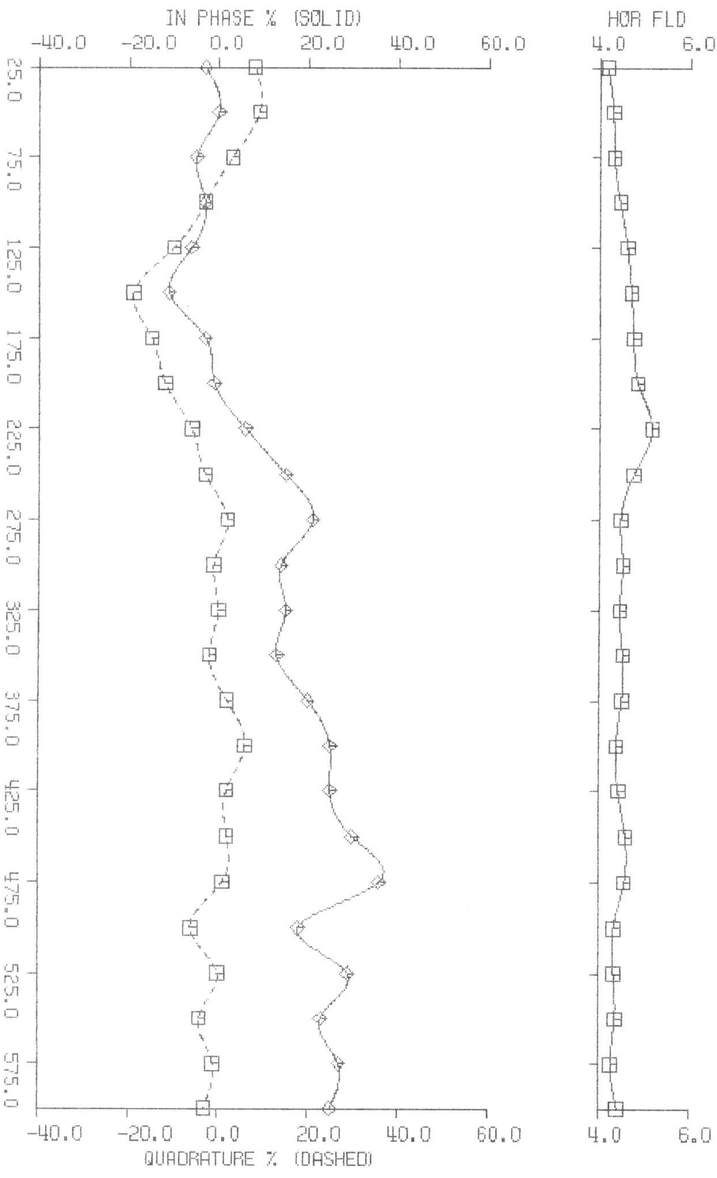


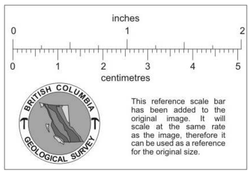


LINE NUMBER 100.0 WEST

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CØRPØRATIØN FALCØNBRIDGE CØPPER

HEATHER PRØJECT

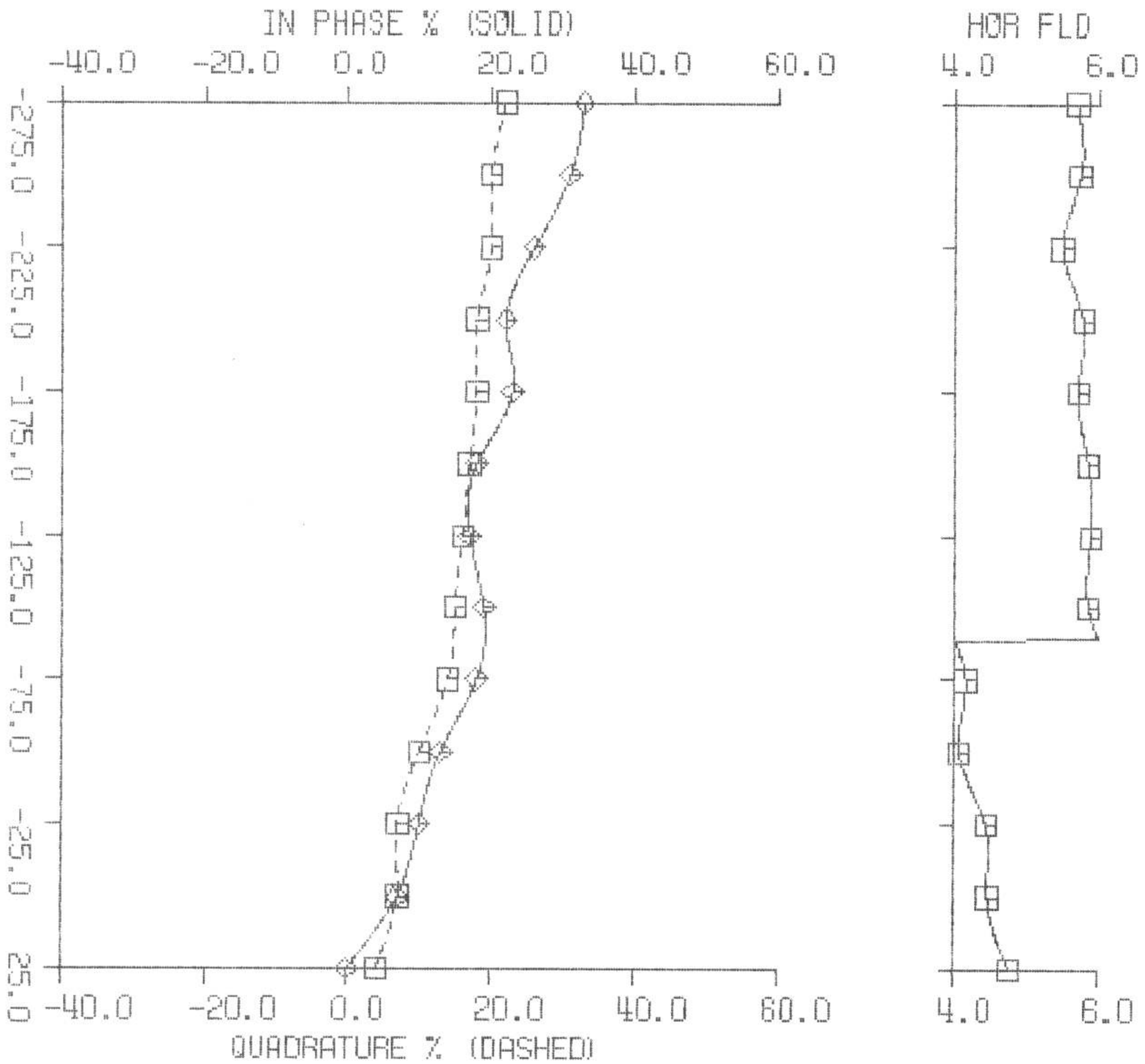
LINE NUMBER 101.0 WEST

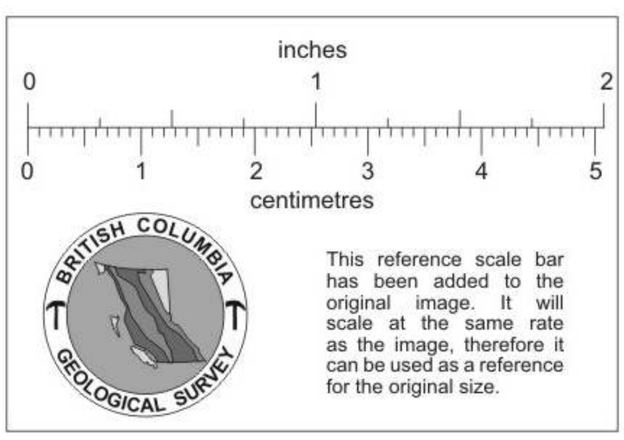
Survey by A. Scott, Geophysicist

June 9, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

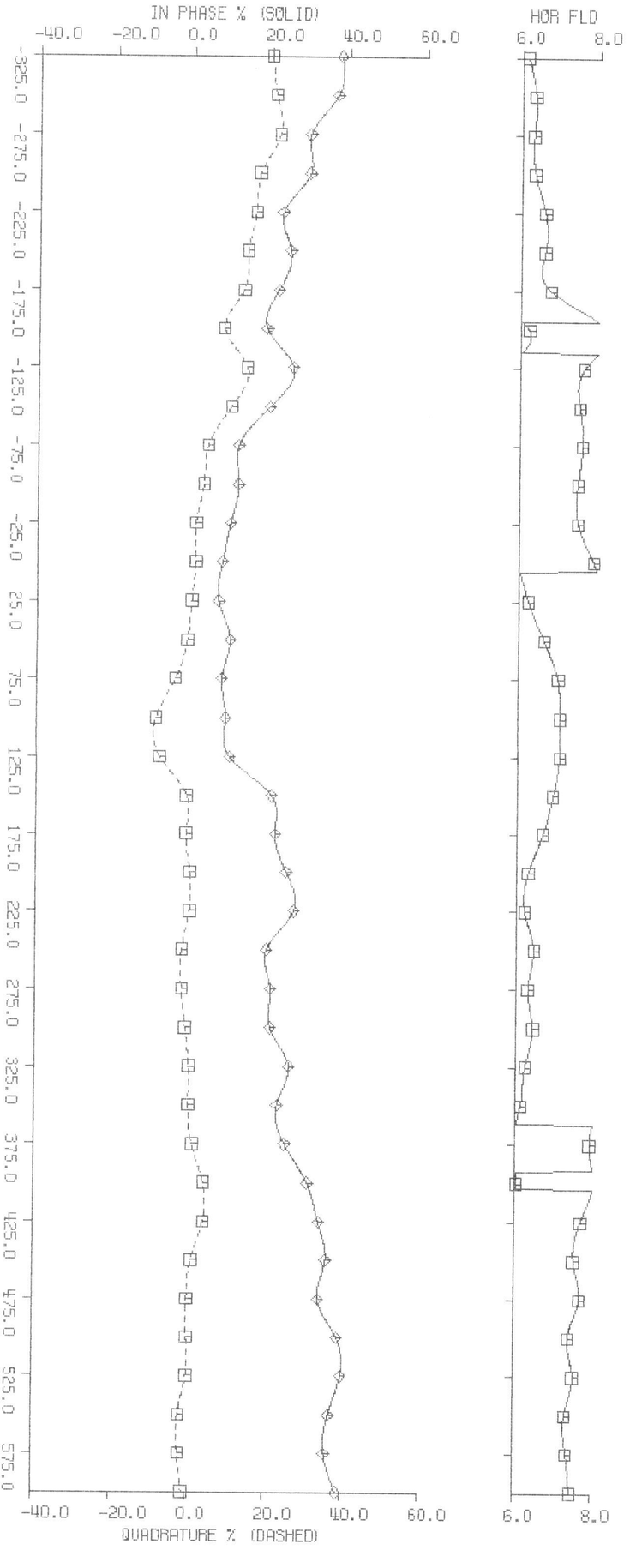
LINE NUMBER 200.0 WEST

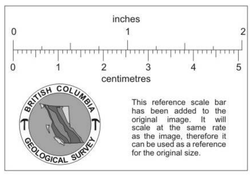
Survey by A. Scott, Geophysicist

June 9, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

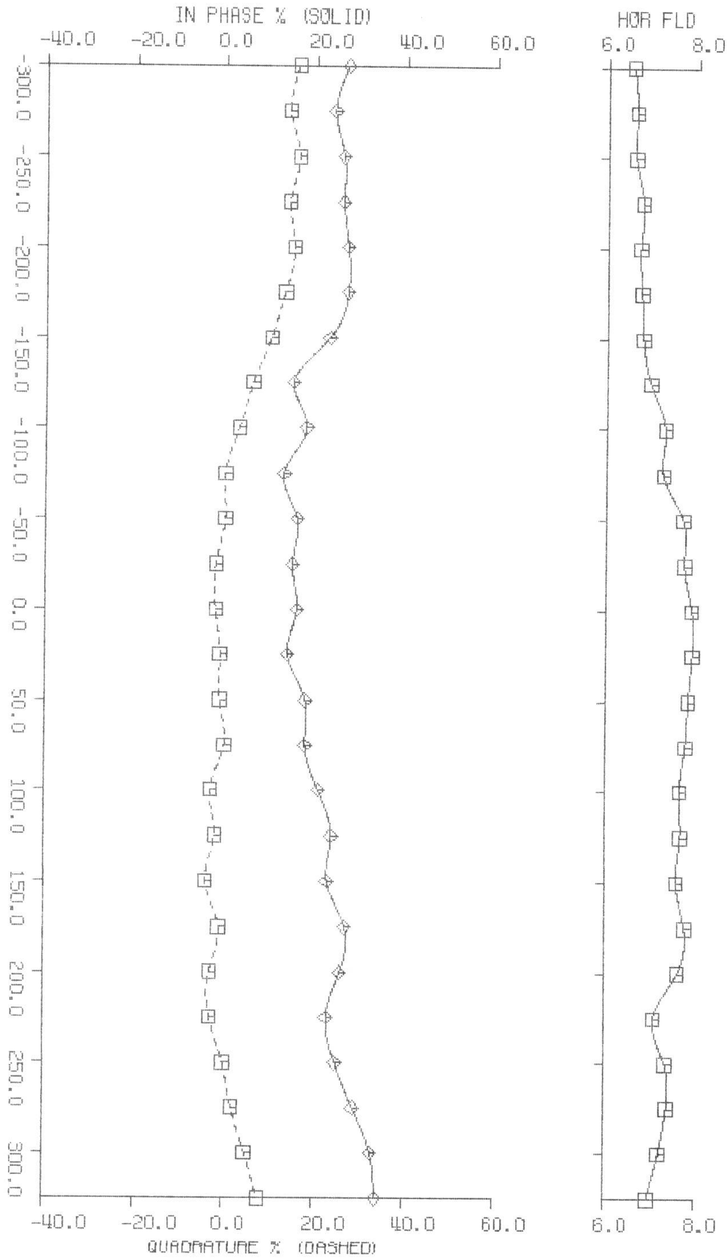
LINE NUMBER 300.0 WEST

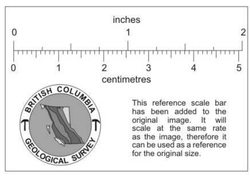
Survey by A. Scott, Geophysicist

June 9, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

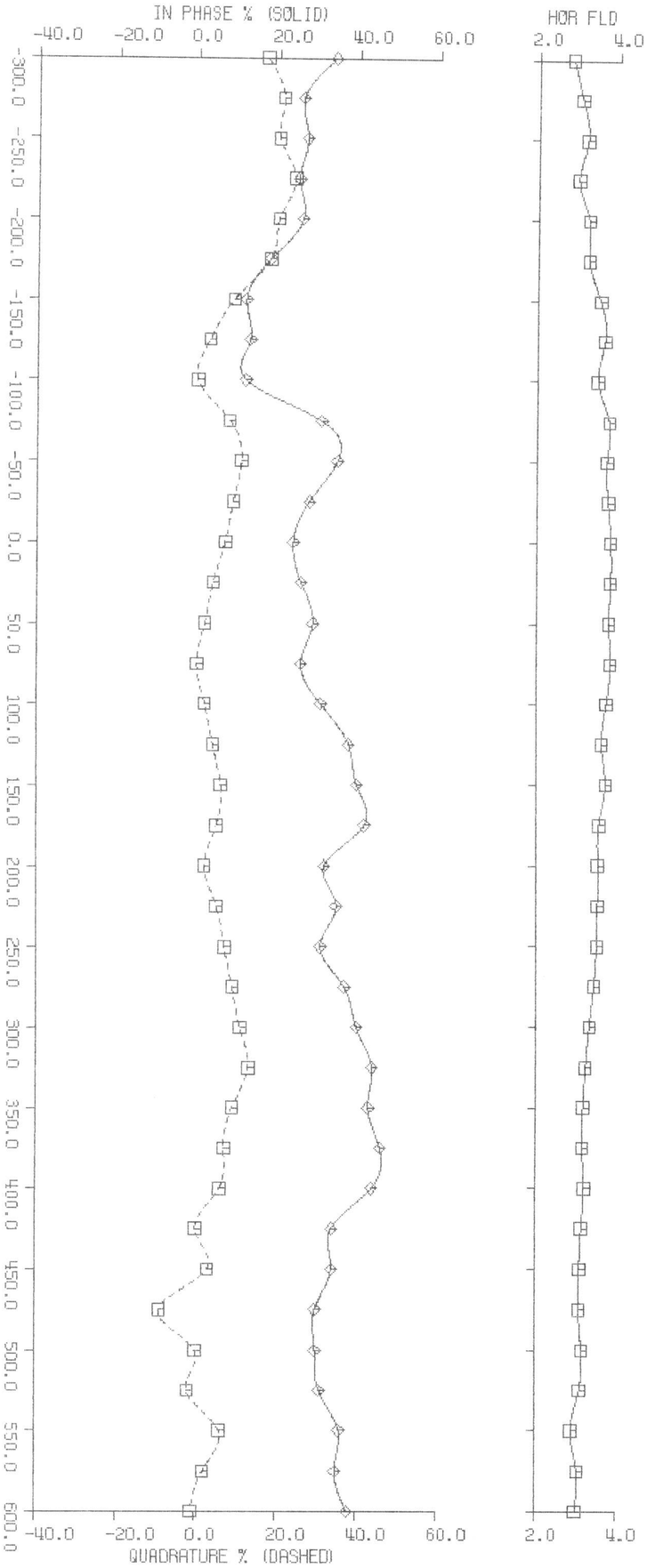
LINE NUMBER 400.0 WEST

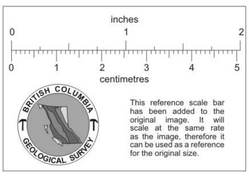
Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





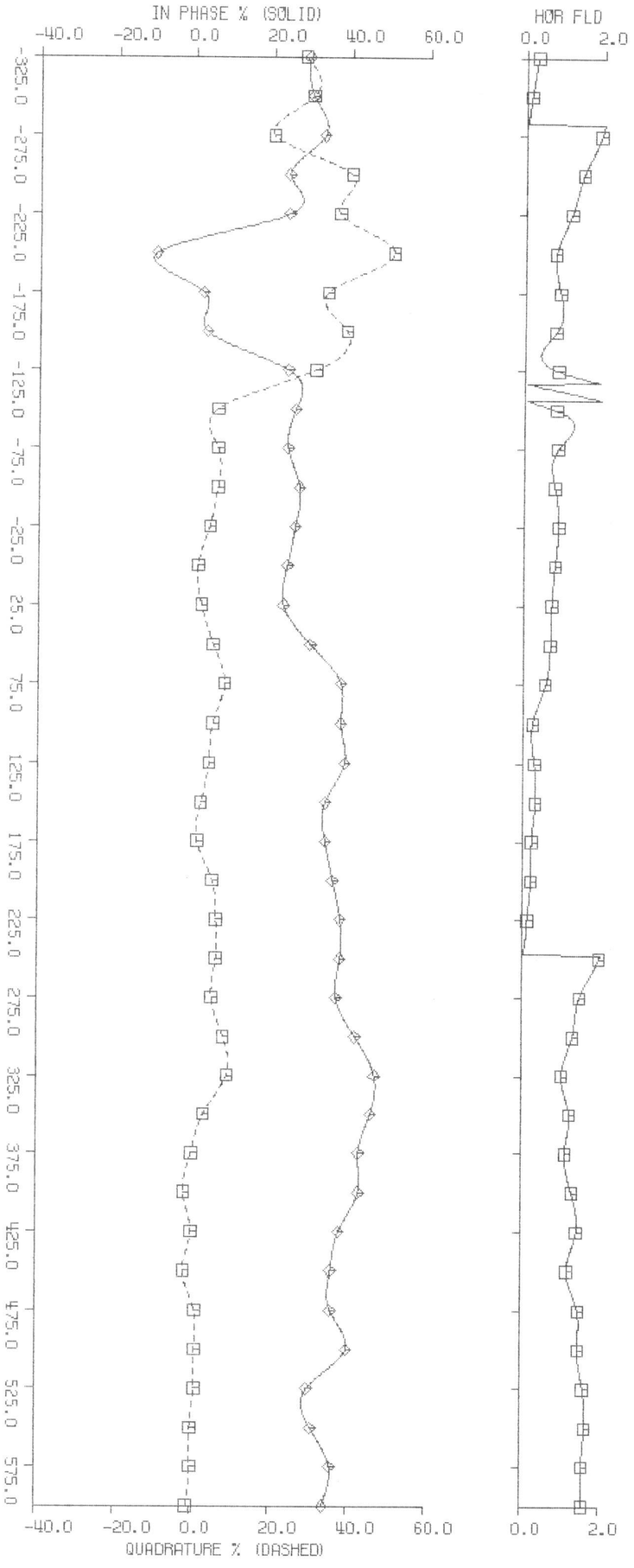
CORPORATION FALCONBRIDGE COPPER

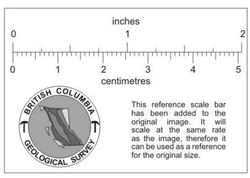
HEATHER PROJECT

LINE NUMBER 500.0 WEST

Survey by A. Scott, Geophysicist
June 10, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

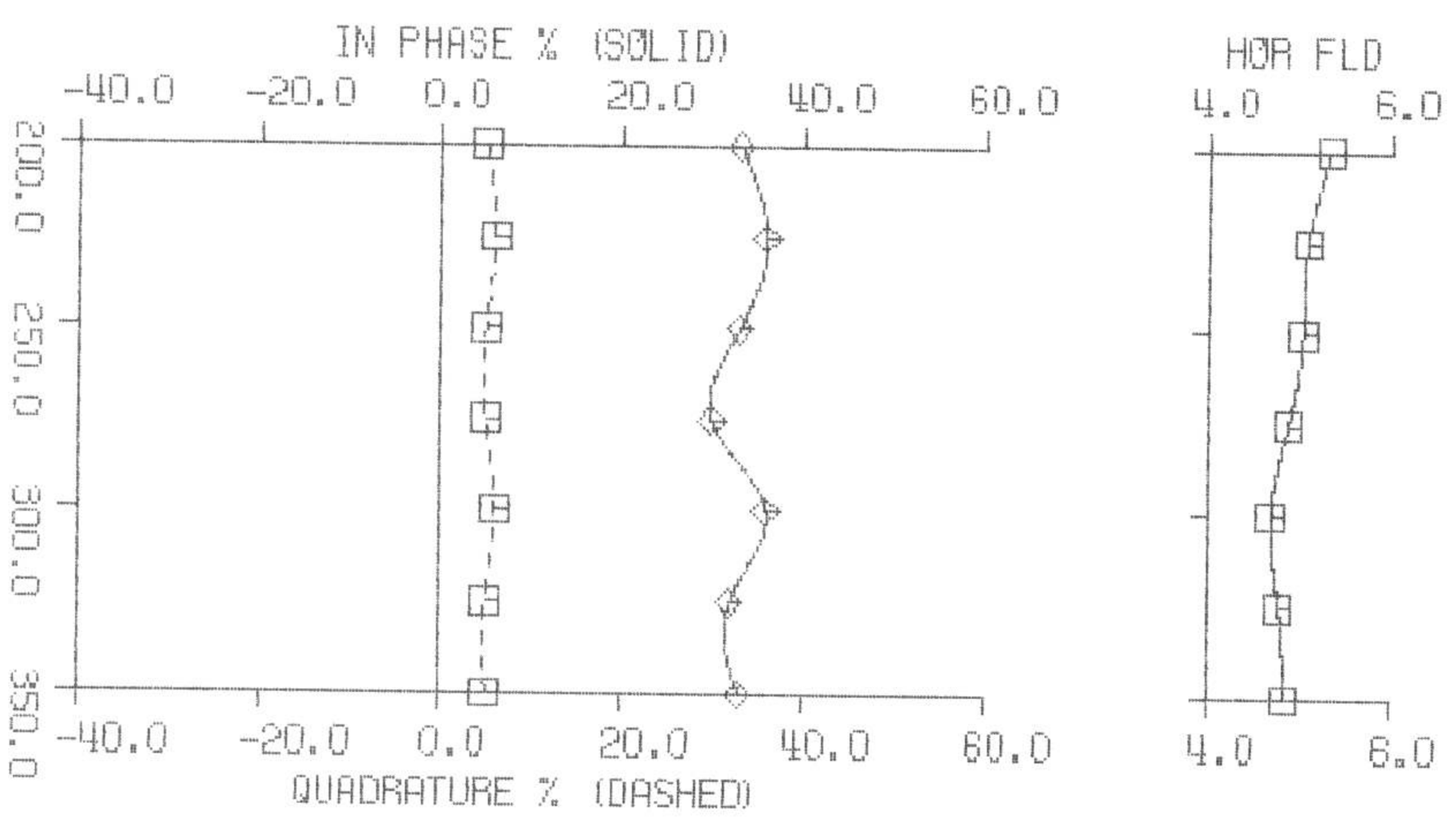
LINE NUMBER 600.0 WEST

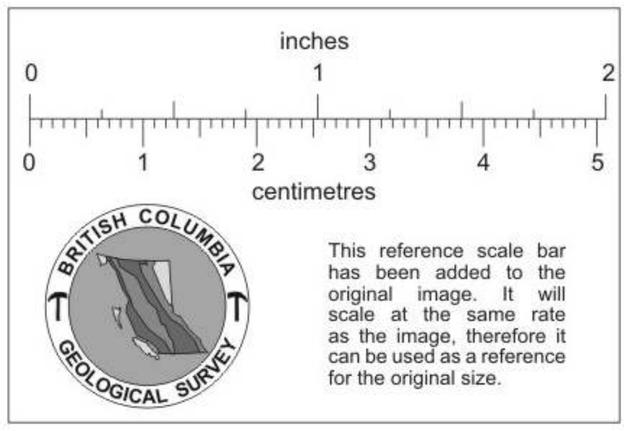
Survey By: A. Scott, Geophysicist

June 9, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CØRPØRATIØN FALCØNBRIDGE CØPPER

HEATHER PRØJECT

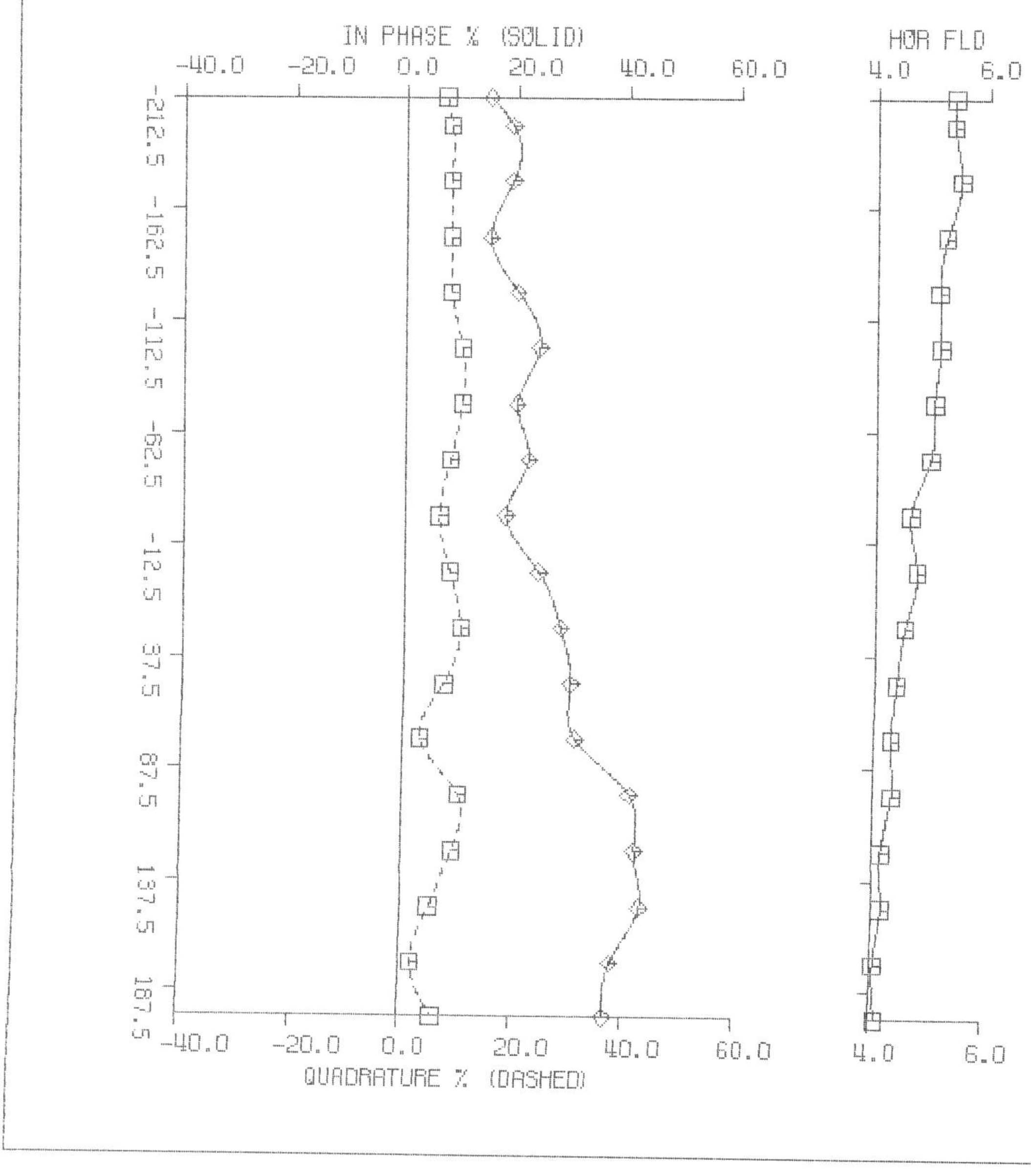
LINE NUMBER 600.0 WEST

Survey By: A. Scott, Geophysicist

June 8, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



inches

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centimetres

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CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

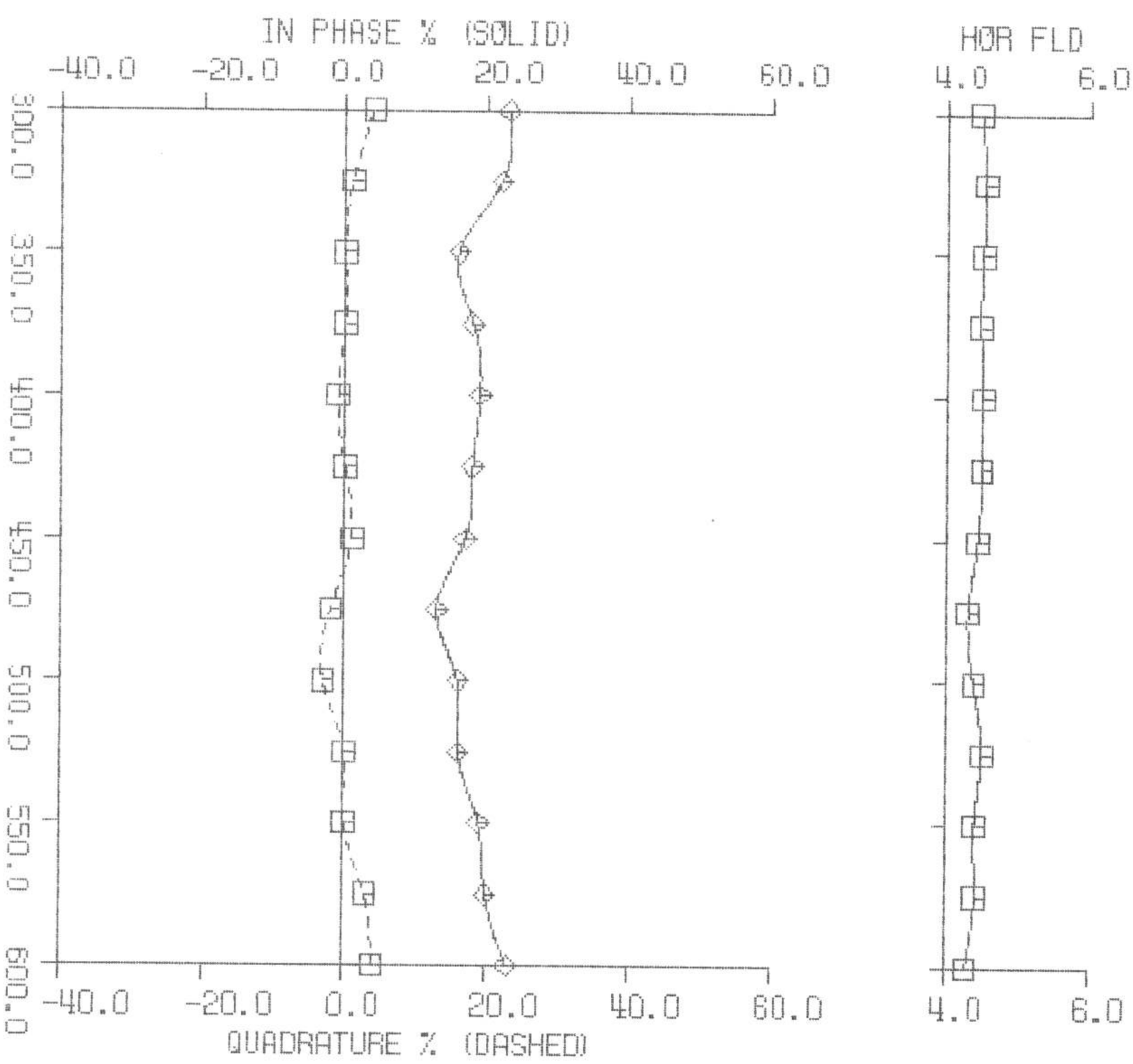
LINE NUMBER 700.0 WEST

Survey By: A. Scott, Geophysicist

June 9, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



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centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

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CØRPØRATIØN FALCØNBRIDGE CØPPER

HEATHER PRØJECT

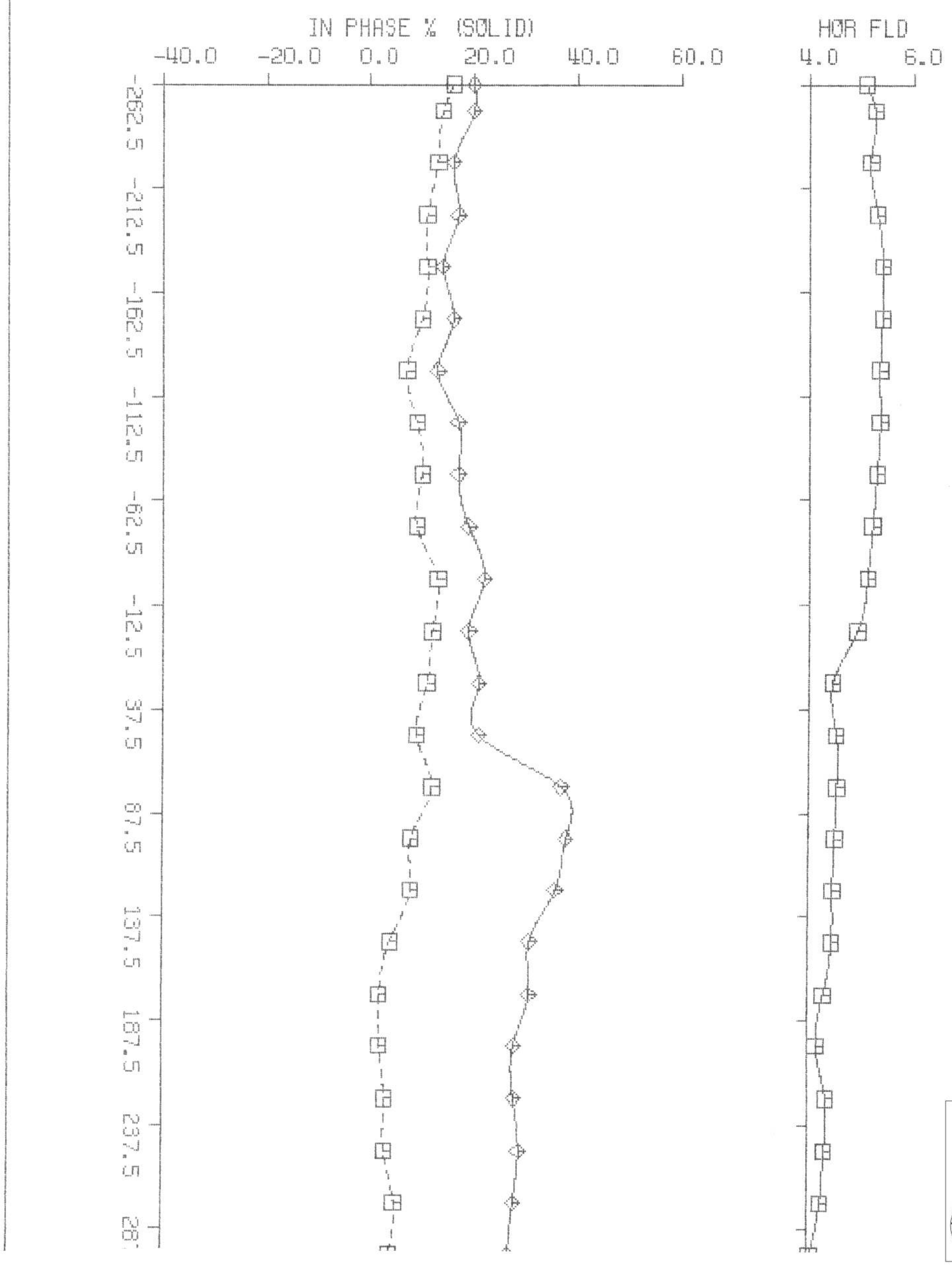
LINE NUMBER 700.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



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CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 800.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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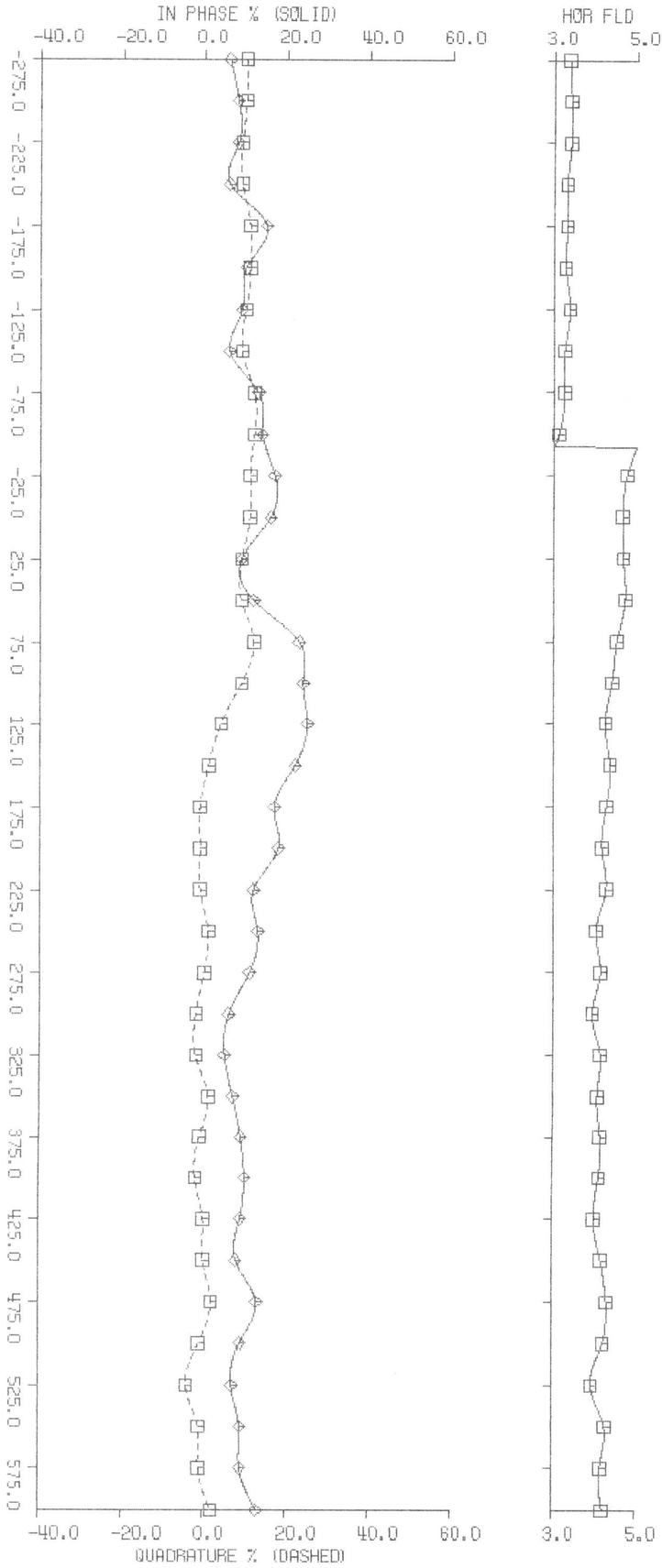

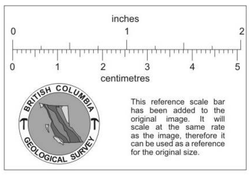

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 900.0 WEST

Survey by A. Scott, Geophysicist

June 8, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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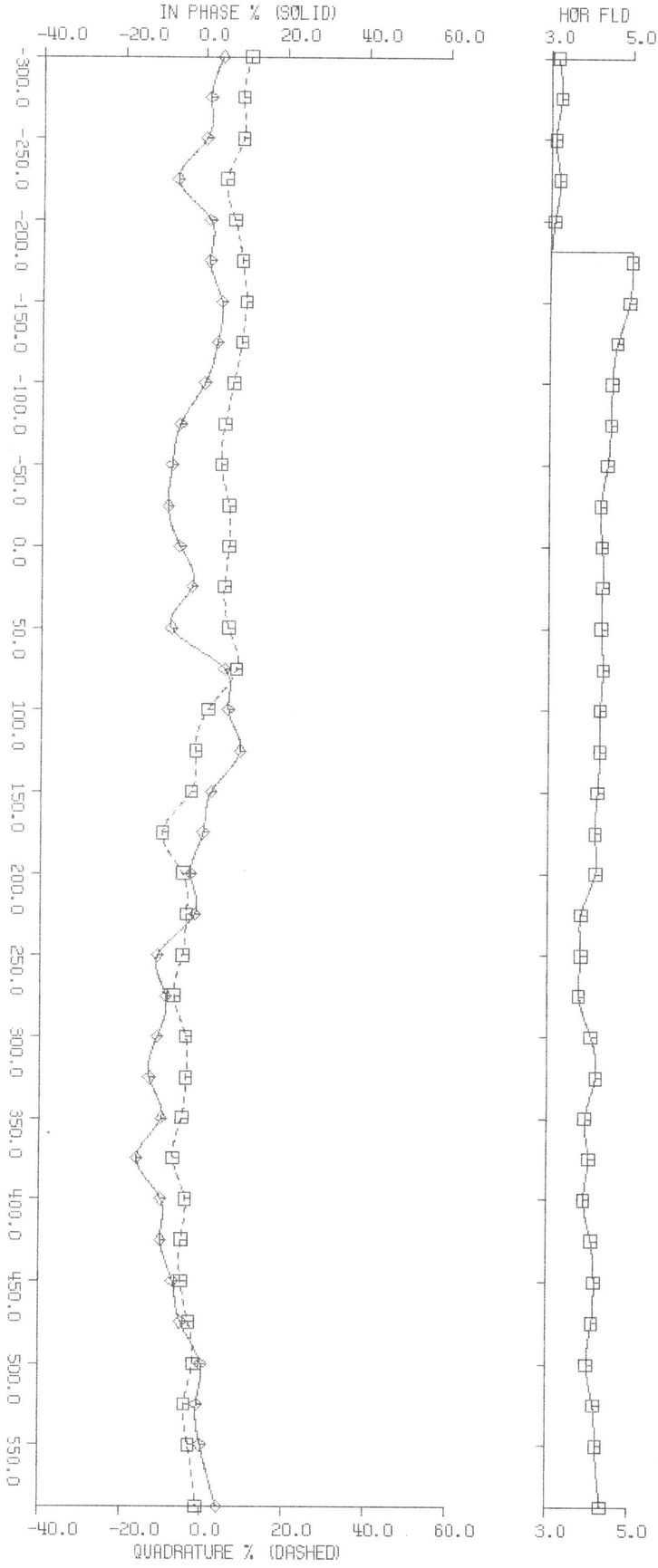

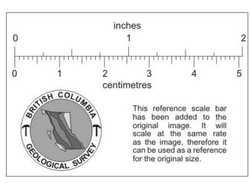

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1000.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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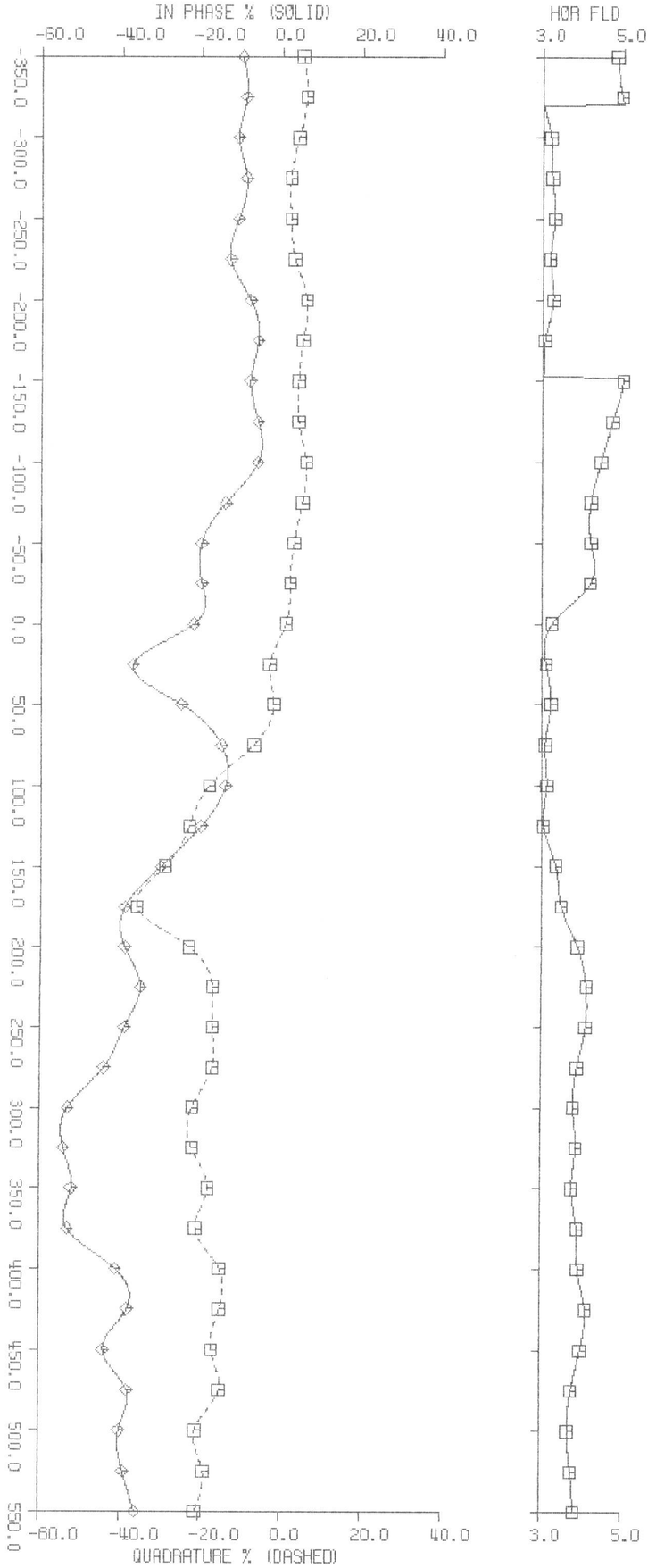

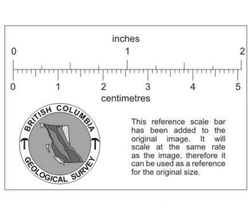

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1100.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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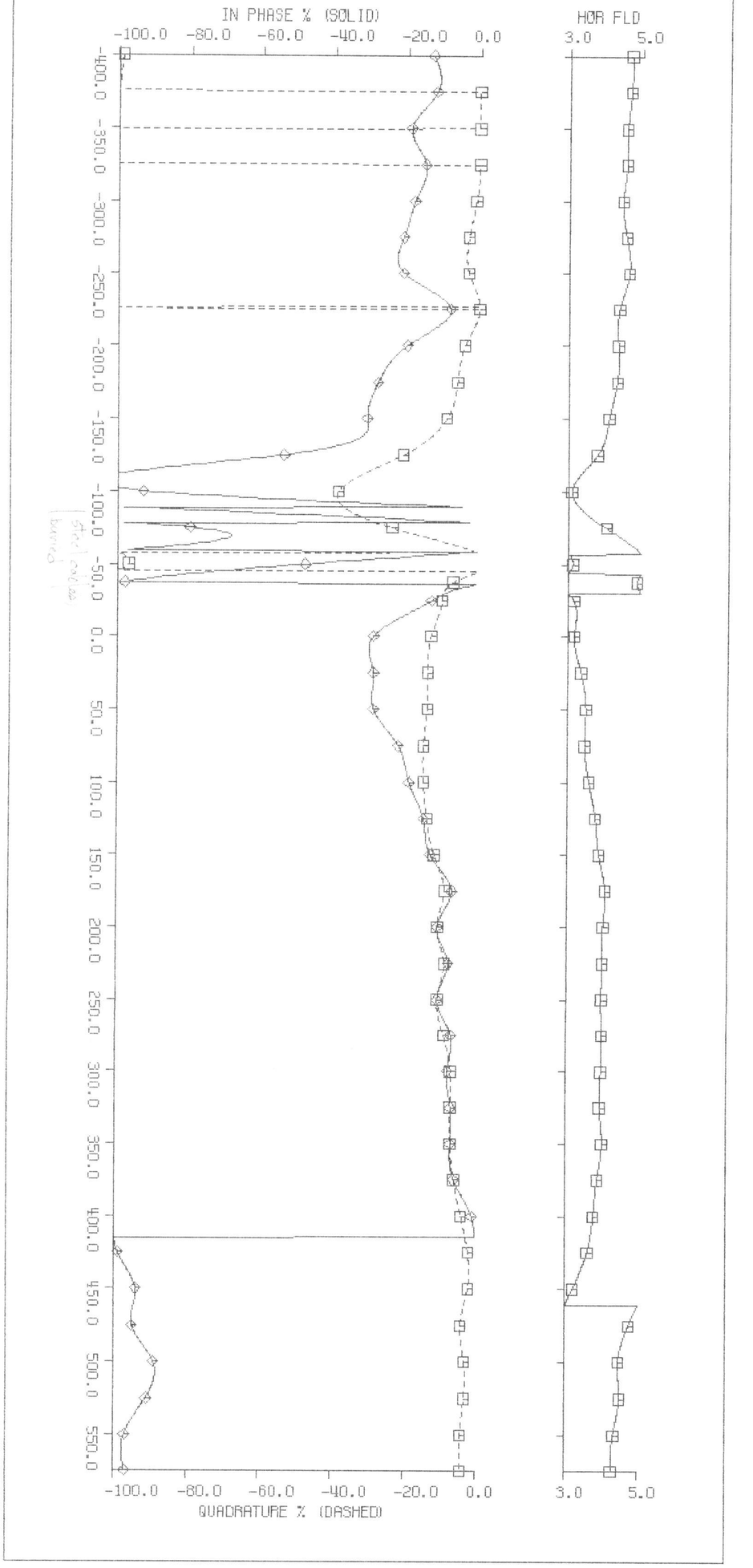

inches

0 1 2

0 1 2 3 4 5

centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

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CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1200.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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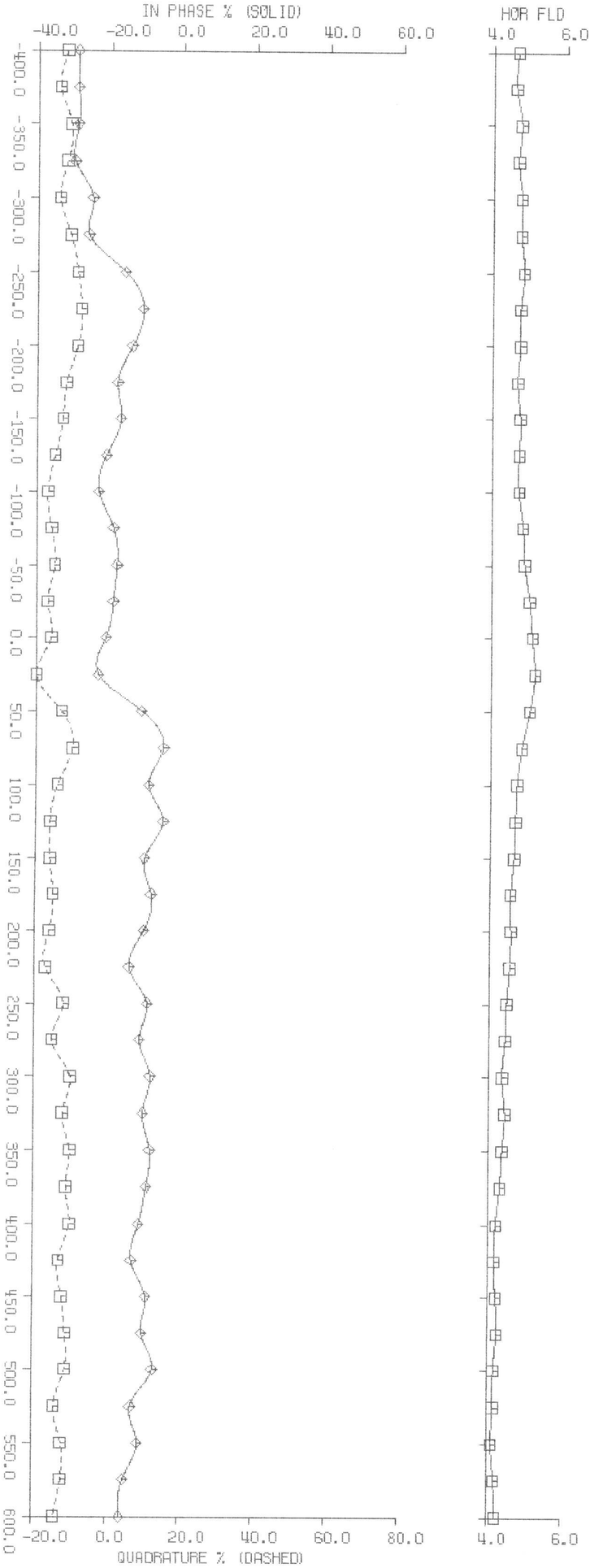

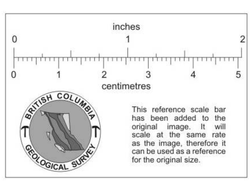

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1300.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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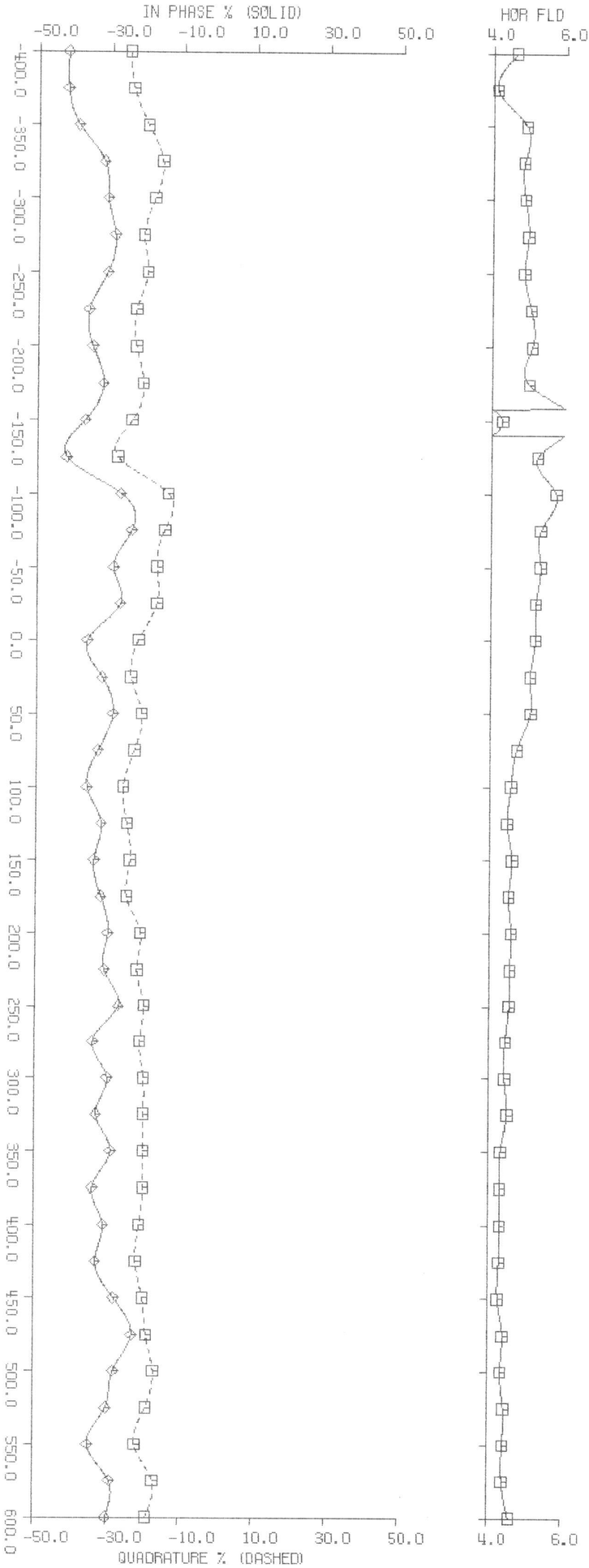

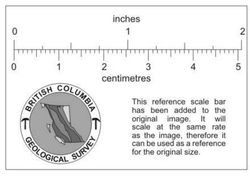

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1400.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

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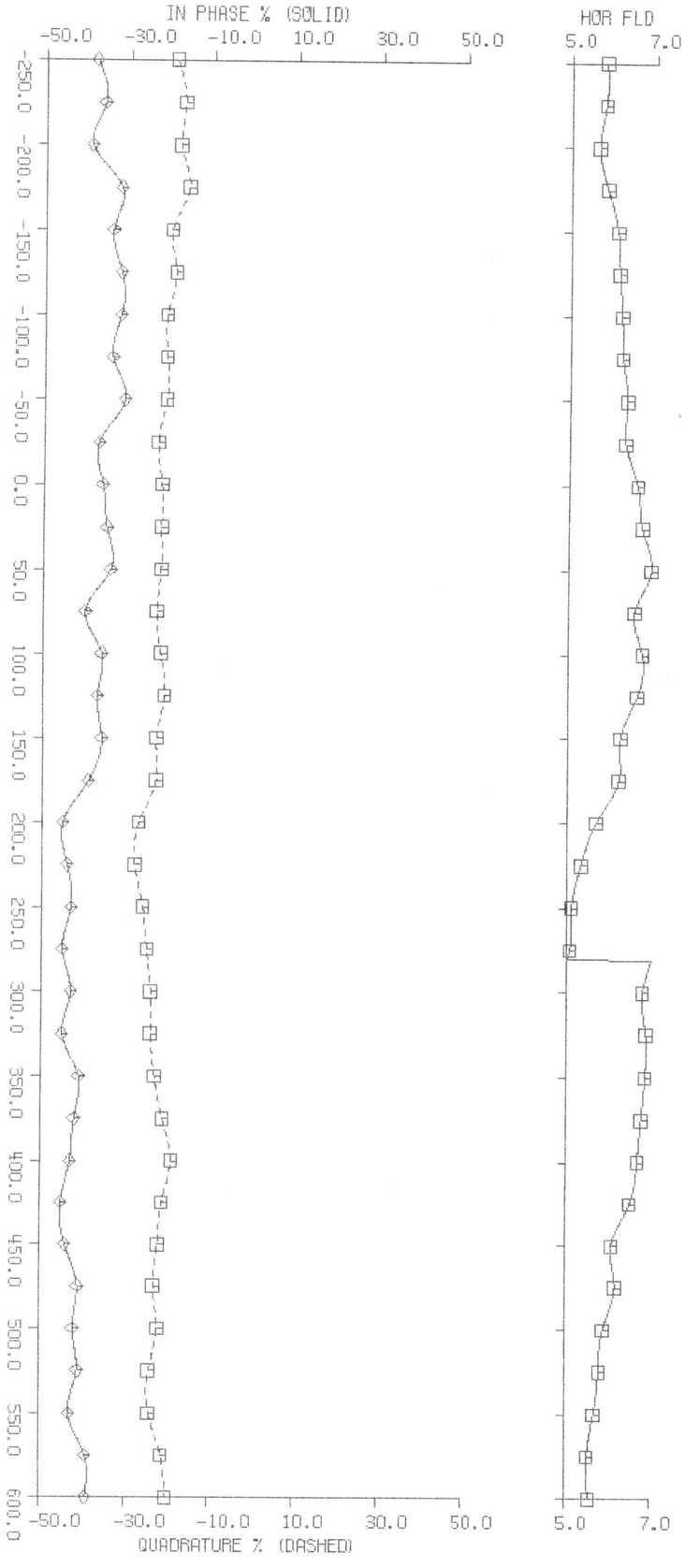

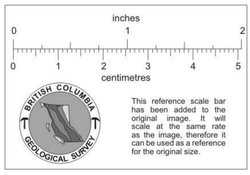

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1500.0 WEST

Survey by A. Scott, Geophysicist

June 11, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

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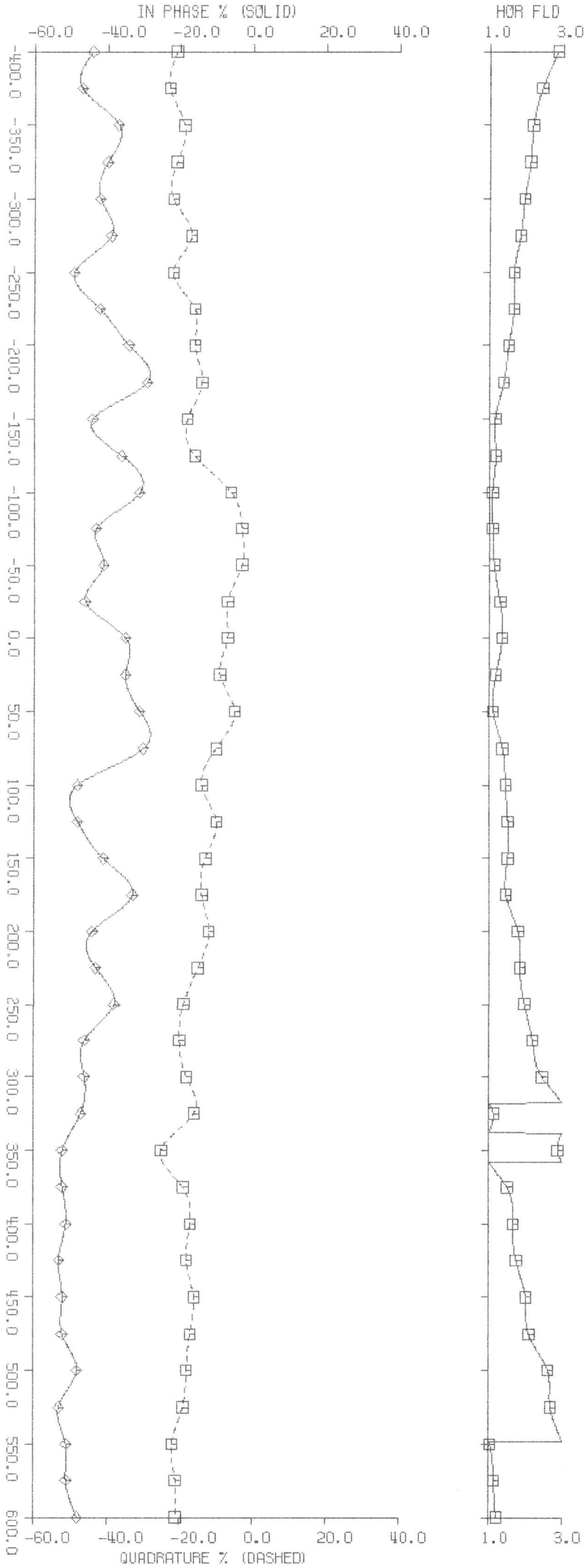

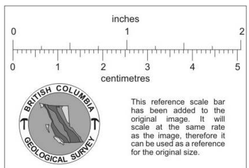

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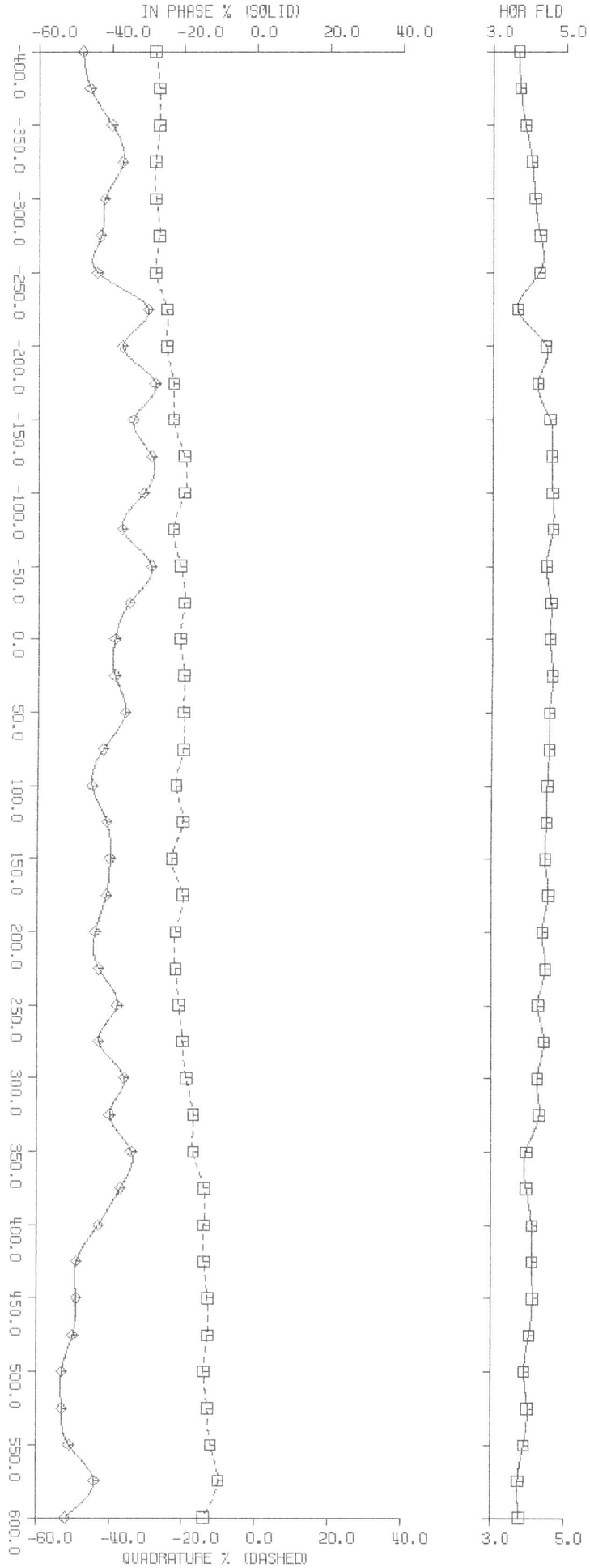
CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1600.0 WEST

Survey by A. Scott, Geophysicist
June 11, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



inches
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centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

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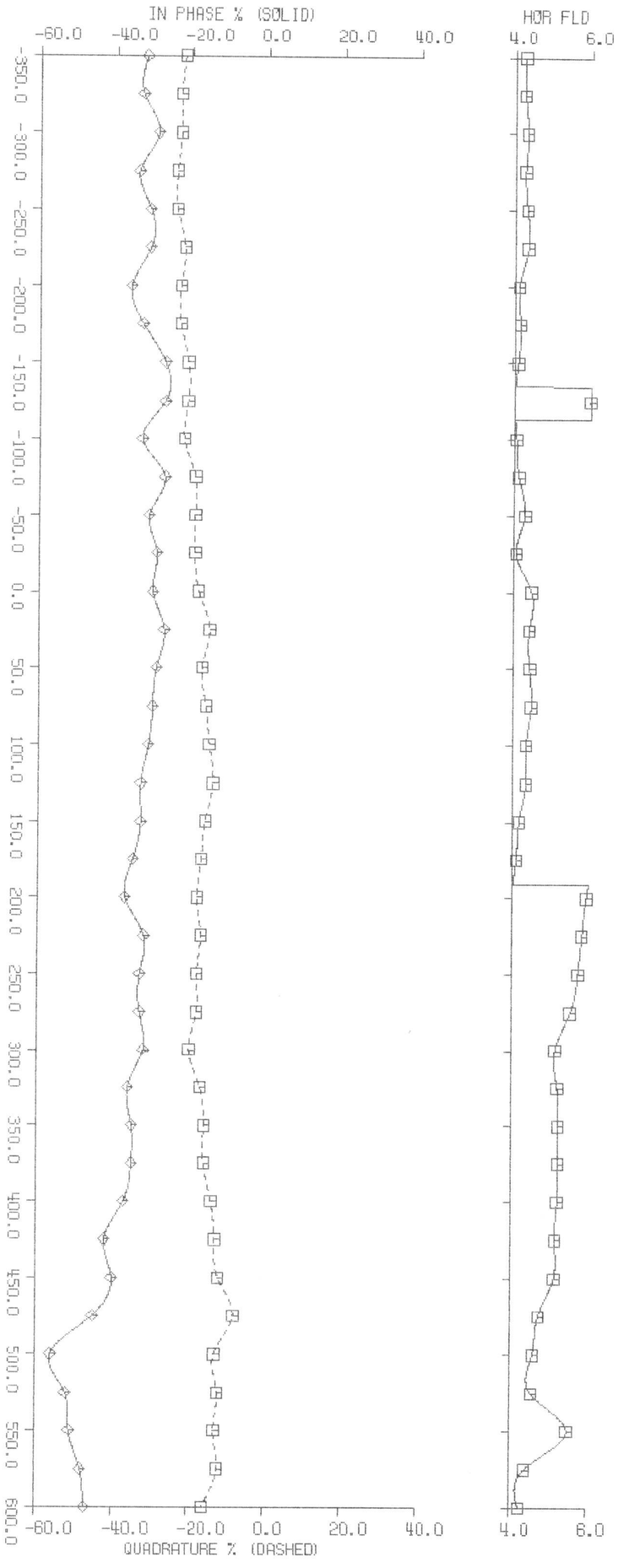
CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 1700.0 WEST

Survey by A. Scott, Geophysicist
June 11, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



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BRITISH COLUMBIA GEOLOGICAL SURVEY

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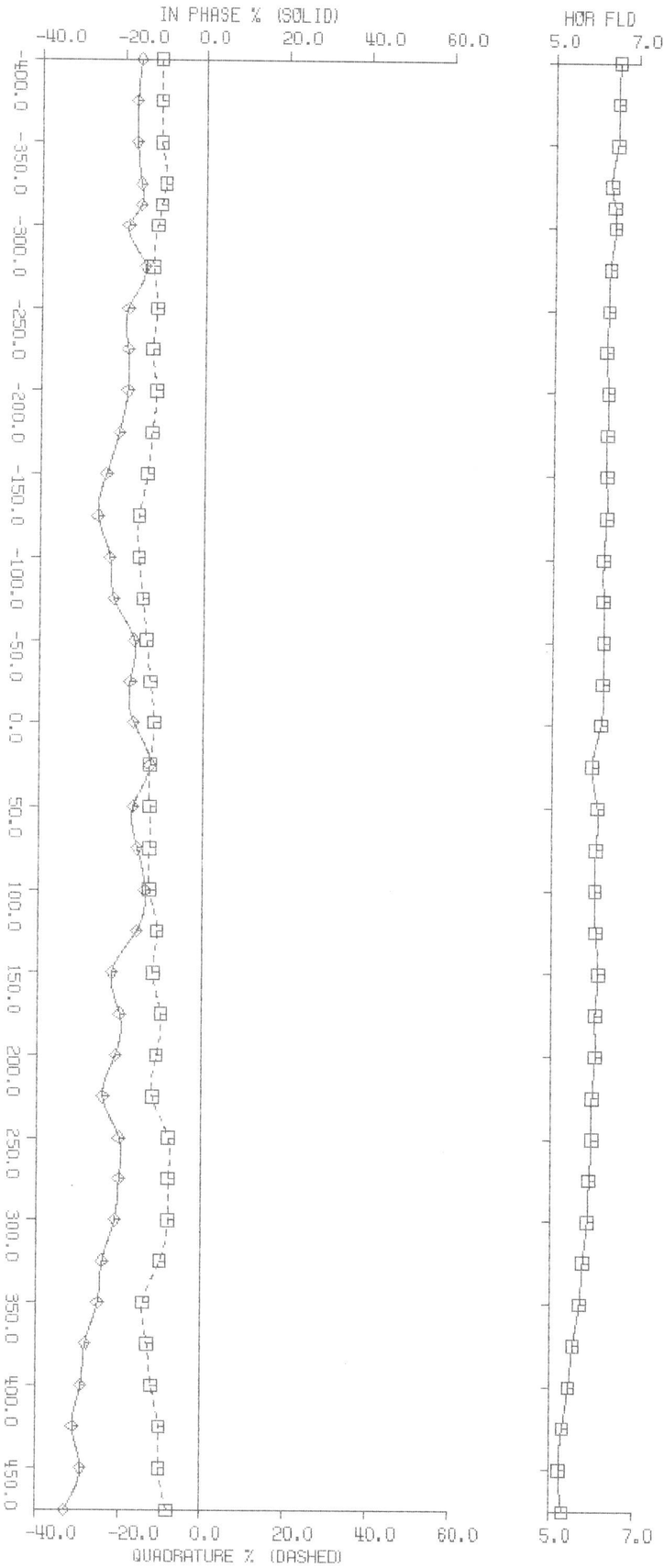
CORPORATION FALCONBRIDGE COPPER

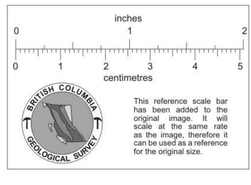
HEATHER PROJECT

LINE NUMBER 1800.0 WEST

Survey By: A. Scott, Geophysicist
June 13, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





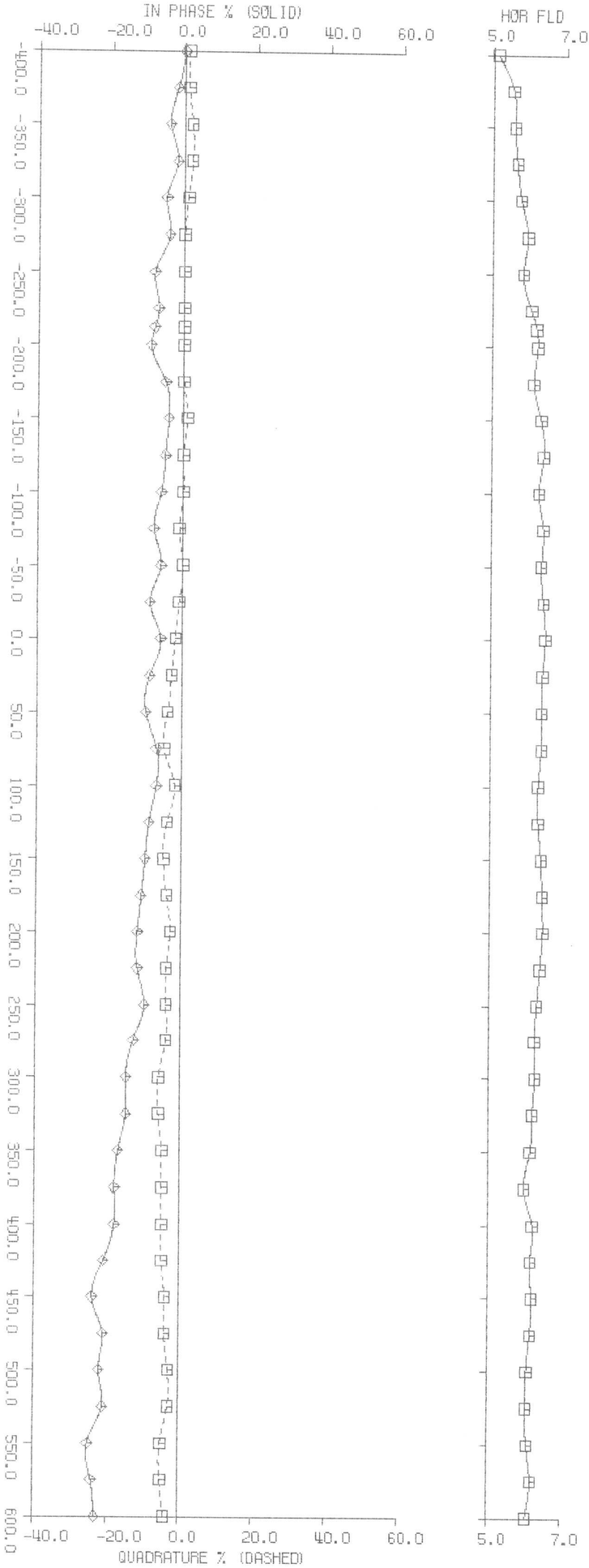
CORPORATION FALCONBRIDGE COPPER

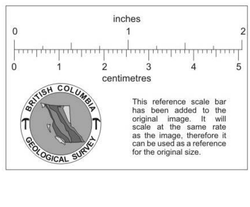
HEATHER PROJECT

LINE NUMBER 1900.0 WEST

Survey By: A. Scott, Geophysicist
June 13, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

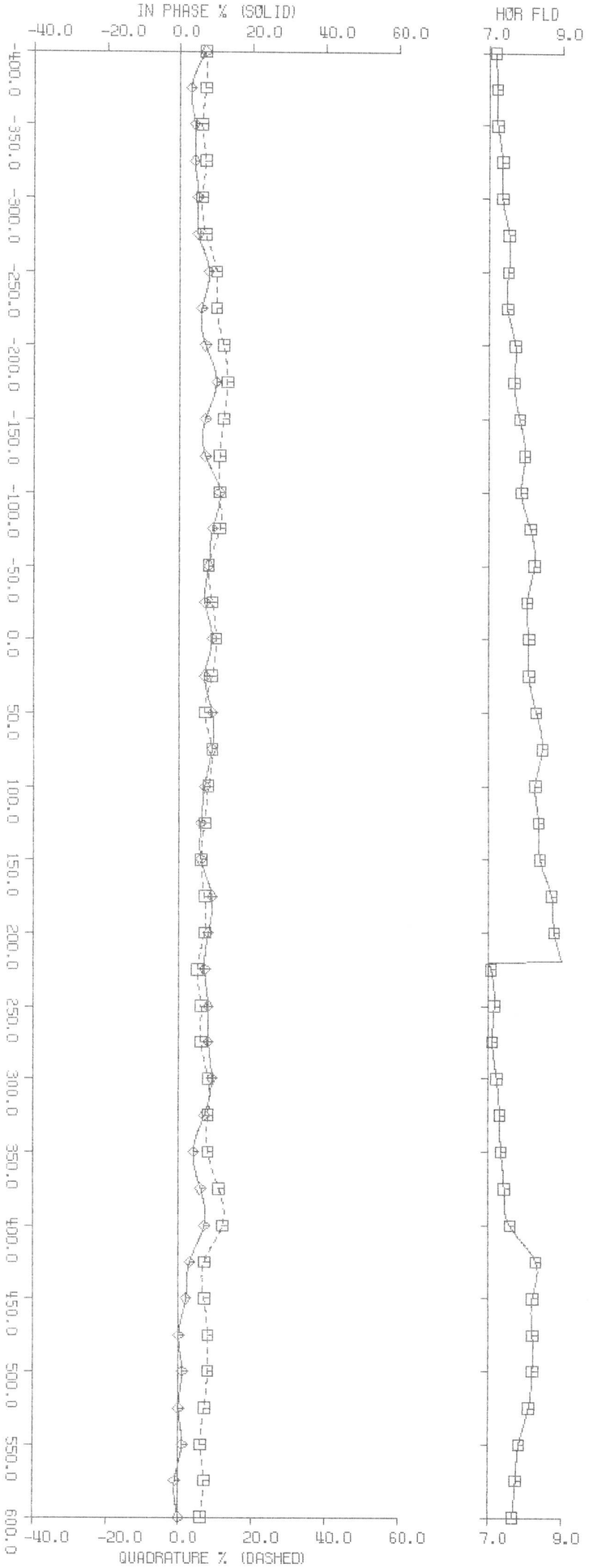
LINE NUMBER 2000.0 WEST

Survey By: A. Scott, Geophysicist

June 13, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



inches

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centimetres

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BRITISH COLUMBIA GEOLOGICAL SURVEY

CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

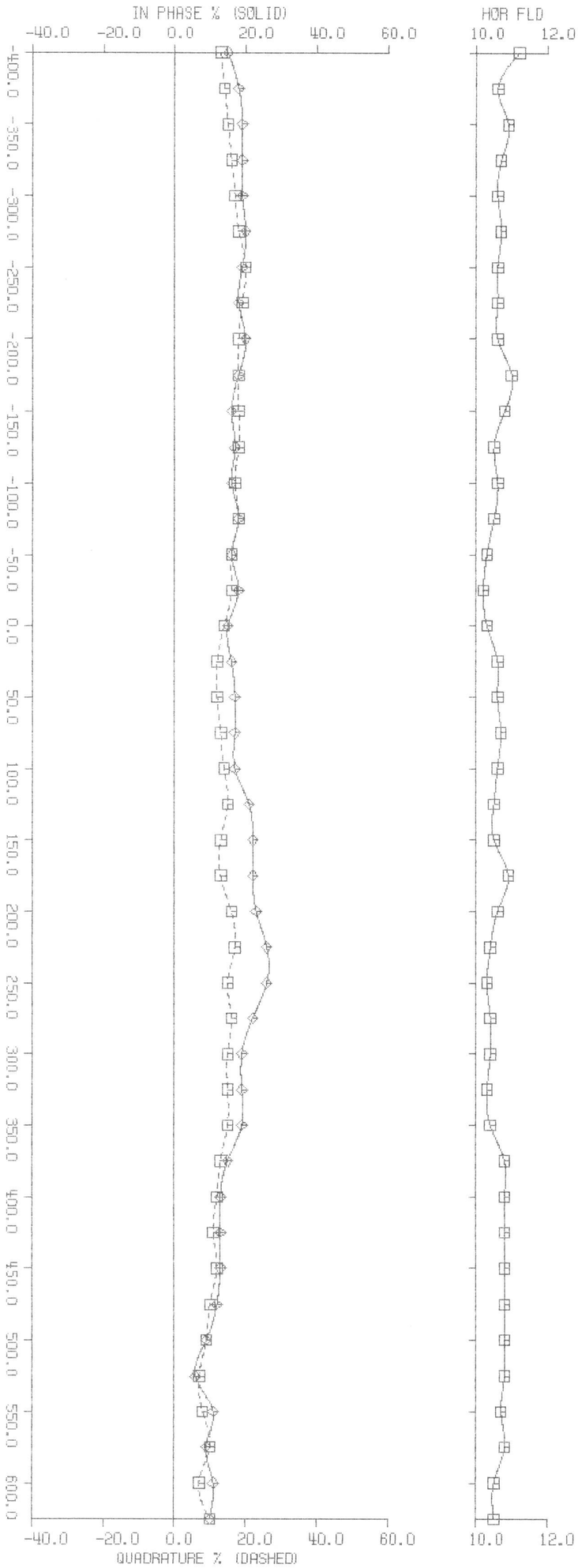
LINE NUMBER 2100.0 WEST

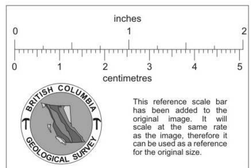
Survey By: A. Scott, Geophysicist

June 13, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





BRITISH COLUMBIA GEOLOGICAL SURVEY

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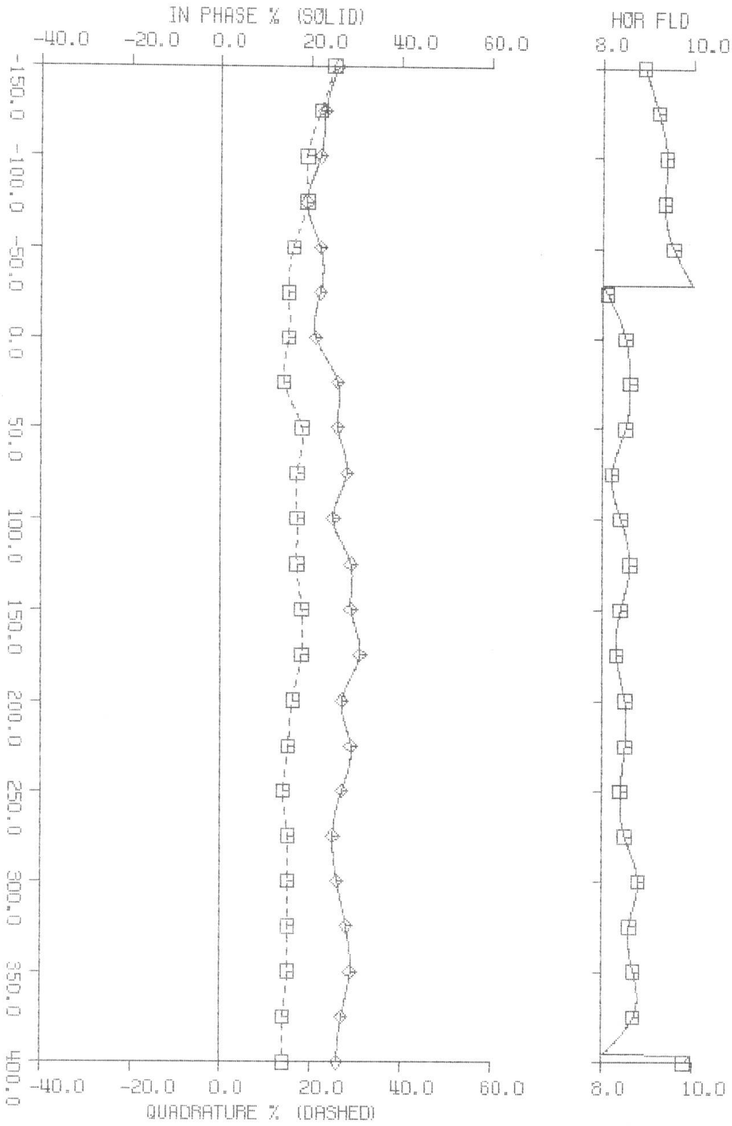
CORPORATION FALCONBRIDGE COPPER

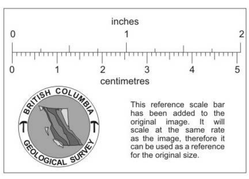
HEATHER PROJECT

LINE NUMBER 2200.0 WEST

Survey By: A. Scott, Geophysicist
June 13, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

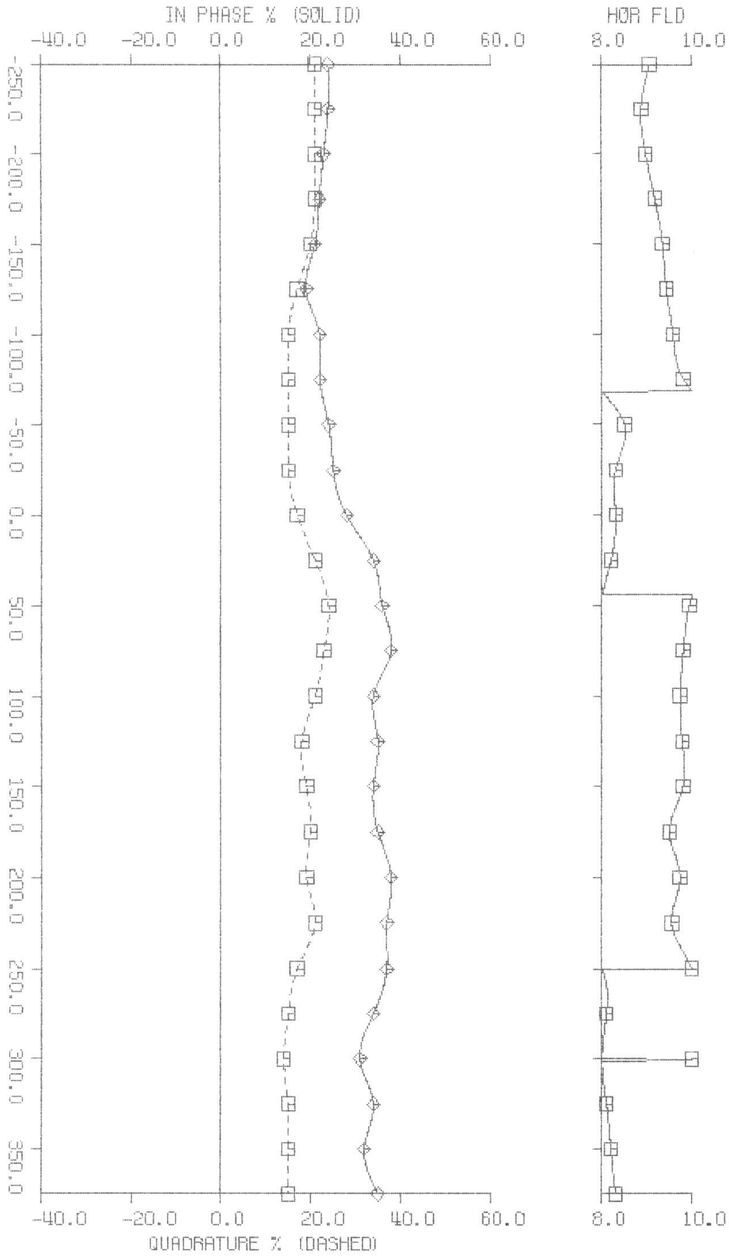
LINE NUMBER 2300.0 WEST

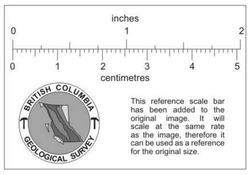
Survey By: A. Scott, Geophysicist

June 13, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

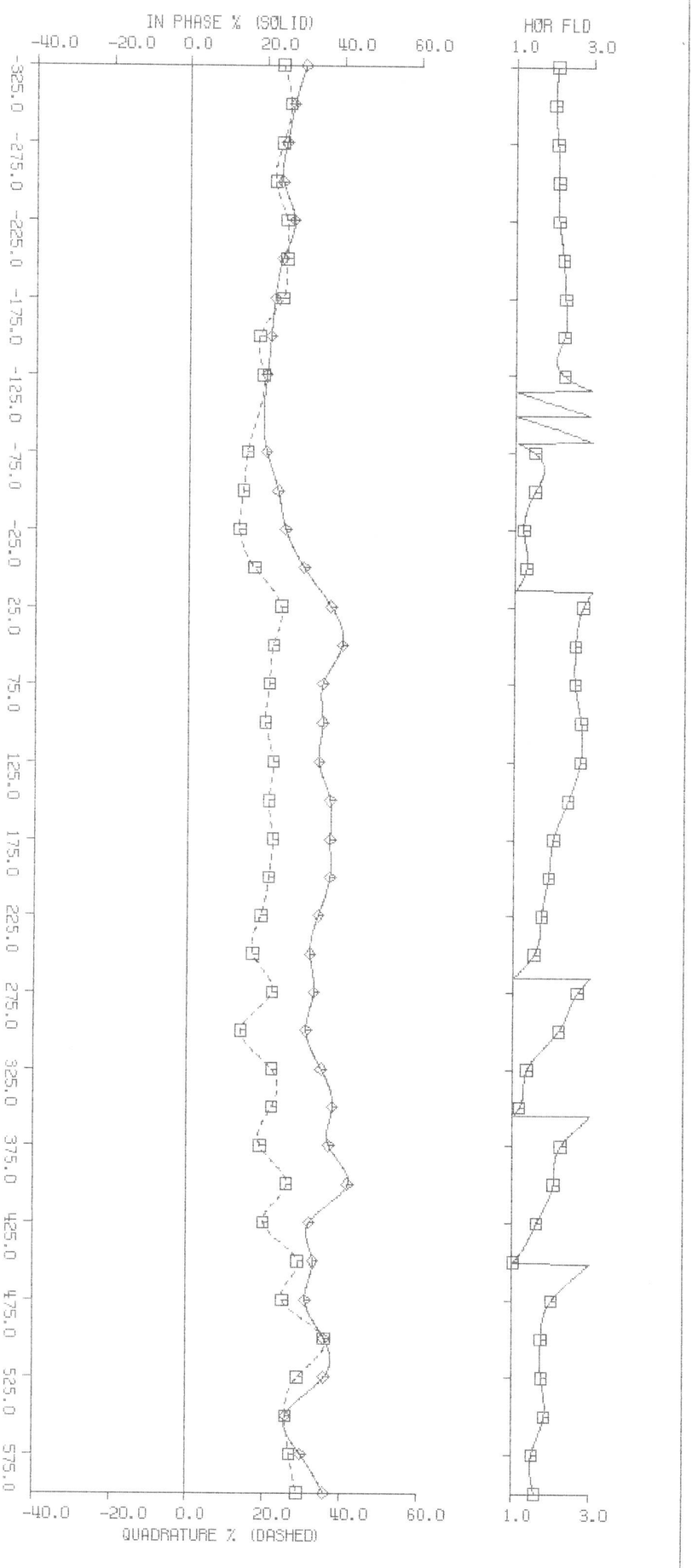
LINE NUMBER 2400.0 WEST

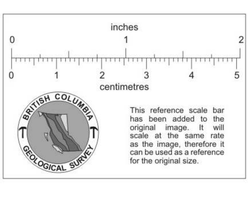
Survey By: A. Scott, Geophysicist

June 14, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

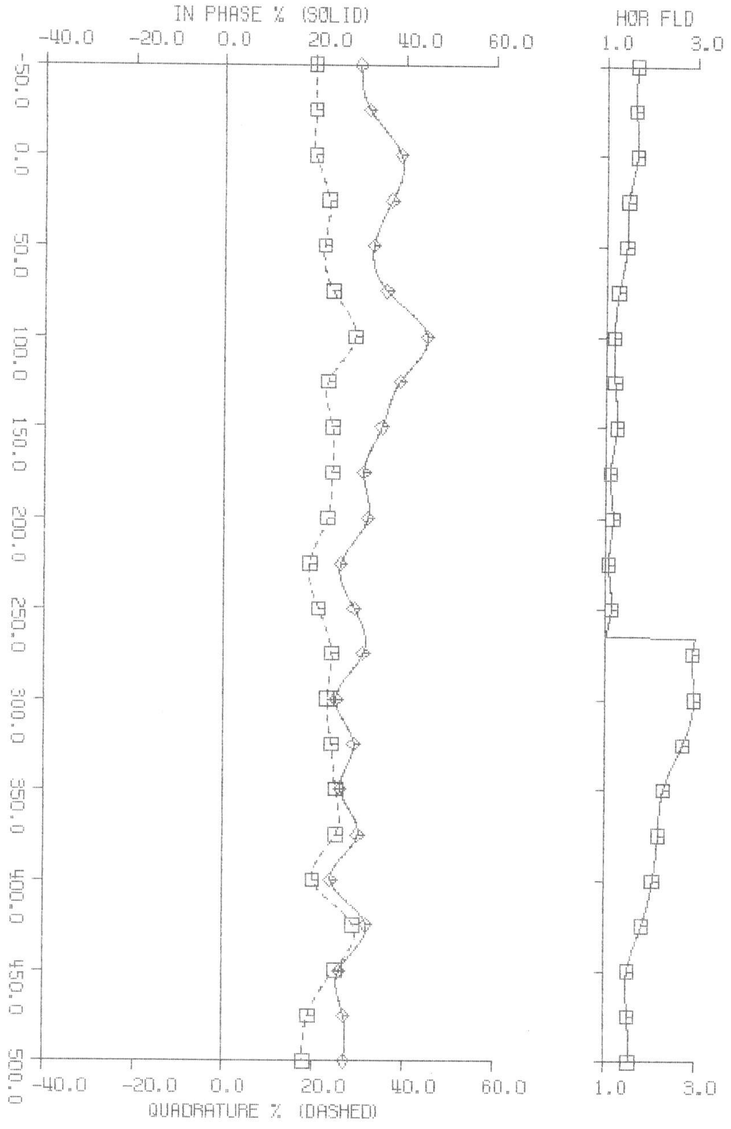
LINE NUMBER 2500.0 WEST

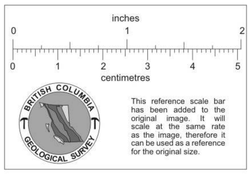
Survey By: A. Scott, Geophysicist

June 14, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

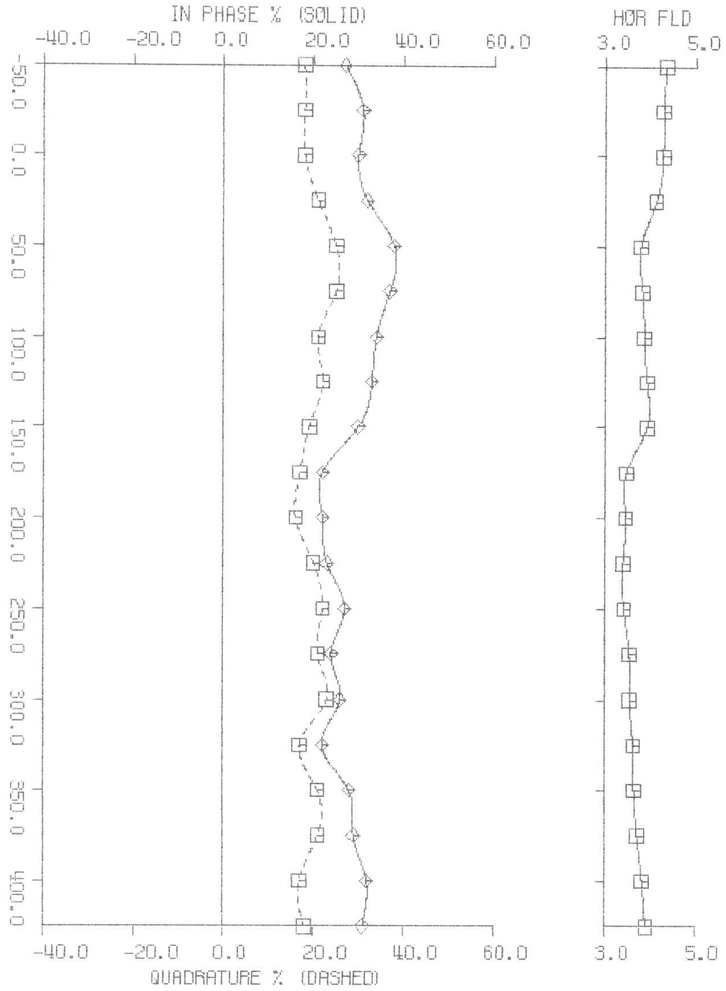
LINE NUMBER 2600.0 WEST

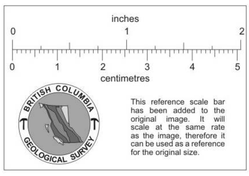
Survey By: A. Scott, Geophysicist

June 14, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

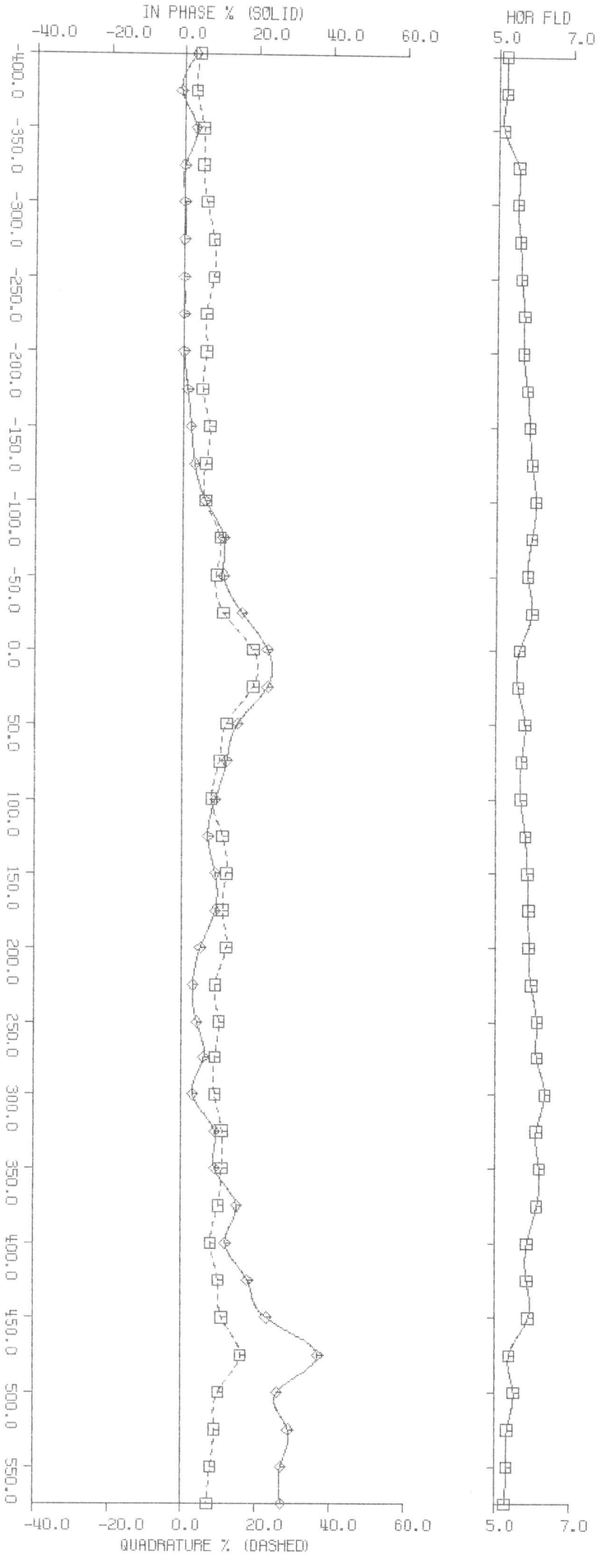
LINE NUMBER 2700.0 WEST

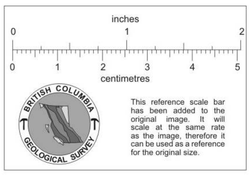
Survey By: A. Scott, Geophysicist

June 12, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

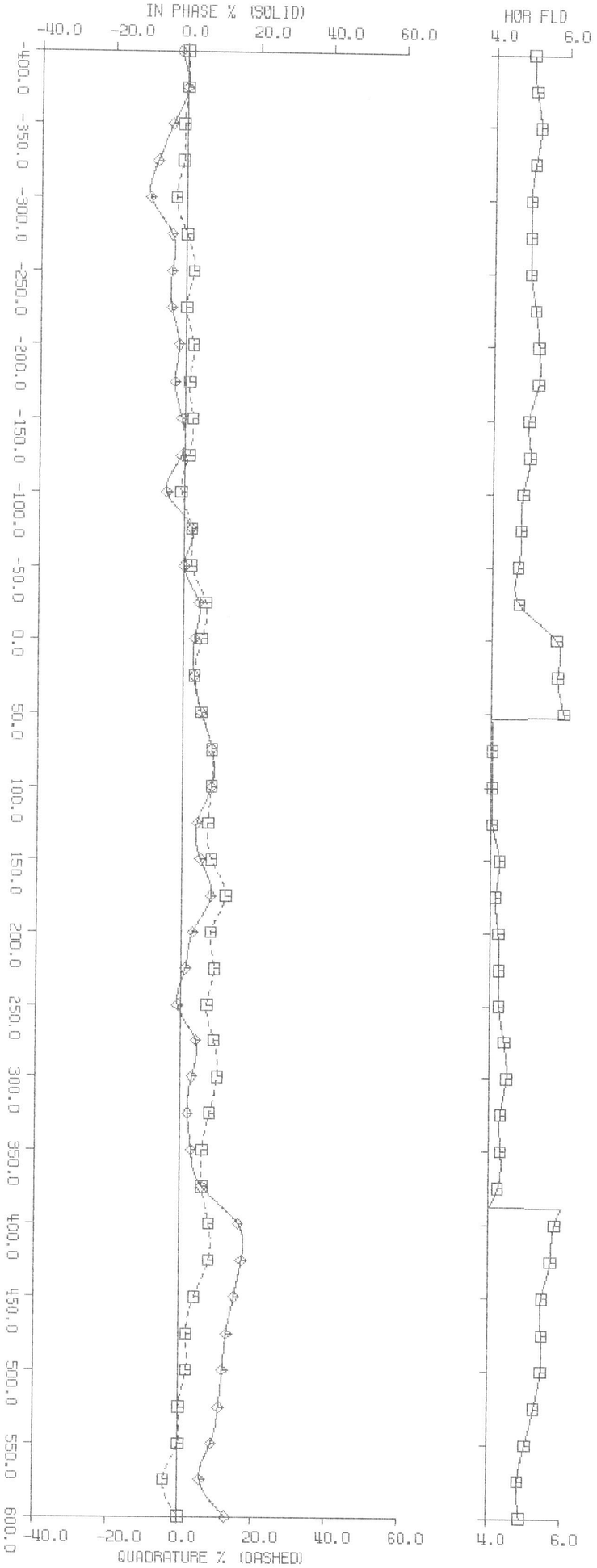
LINE NUMBER 2800.0 WEST

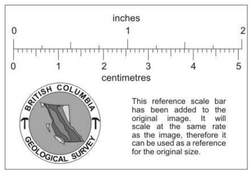
Survey By: A. Scott, Geophysicist

June 12, 1986

NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





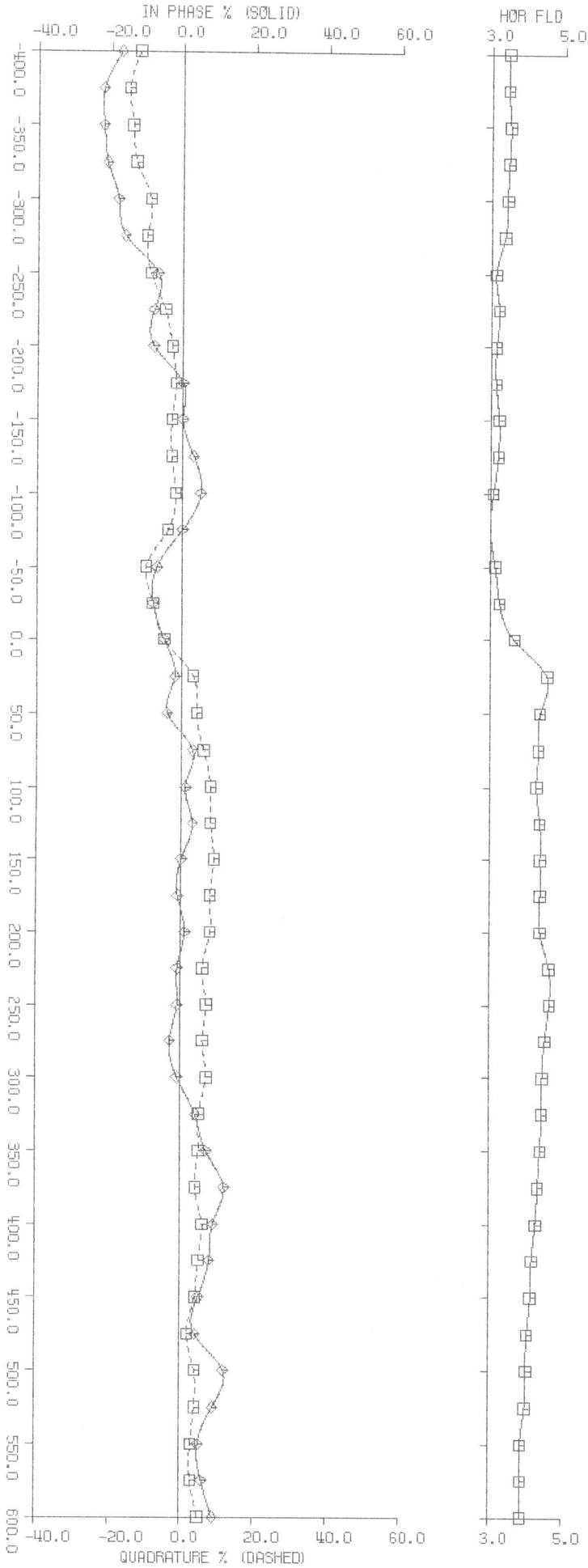
CORPORATION FALCONBRIDGE COPPER

HEATHER PROJECT

LINE NUMBER 2900.0 WEST

Survey By: A. Scott, Geophysicist
June 12, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500



inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

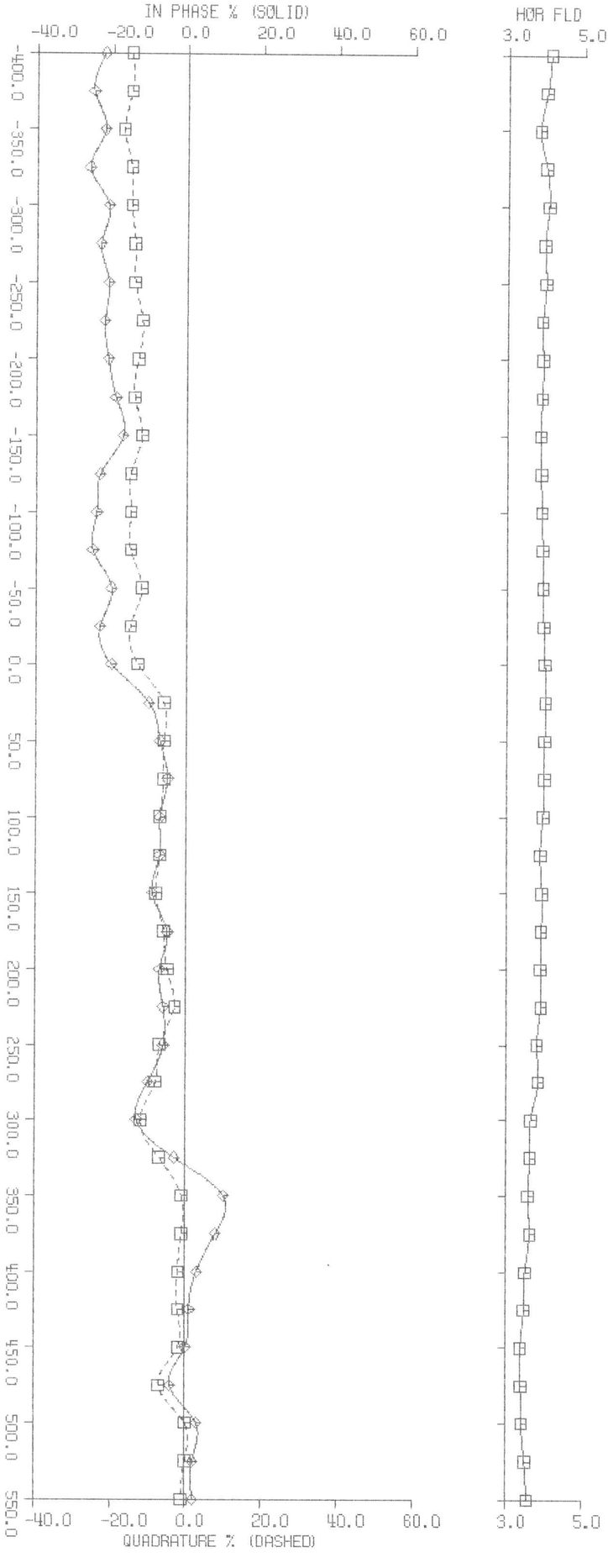
CORPORATION FALCONBRIDGE COPPER

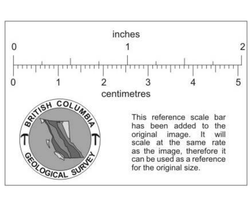
HEATHER PROJECT

LINE NUMBER 3000.0 WEST

Survey By: A. Scott, Geophysicist
June 12, 1986
NPM, LUALUALEI, HAWAII, 23.4 kHz

SCALE 1: 2500





GRID: 1. LINE: 1700.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
327.50S	2.028	-.249
312.50S	3.002	1.656
297.50S	4.471	1.204
282.50S	1.183	.068
267.50S	-4.002	-.152
252.50S	-1.360	-.101
237.50S	4.512	.301
222.50S	3.687	1.444
207.50S	1.269	2.211
192.50S	3.153	2.543
177.50S	5.222	3.647
162.50S	4.678	3.886
147.50S	2.257	.919
132.50S	-2.148	-3.652
117.50S	-5.499	-6.304
102.50S	-3.204	-5.411
87.50S	.643	-2.796
72.50S	-.003	-.846
57.50S	-1.300	.772
42.50S	.949	1.796
27.50S	3.368	.467
12.50S	1.144	-1.759
2.50N	-4.995	-2.533
17.50N	-7.976	-3.190
32.50N	-4.543	-4.102
47.50N	.277	-2.943
62.50N	1.503	-.574
77.50N	-.491	.288
92.50N	-1.489	.008
107.50N	-.873	-.060
122.50N	-2.150	.040
137.50N	-3.492	-.029
152.50N	-.962	-.074
167.50N	3.160	.479
182.50N	6.475	1.849
197.50N	9.772	3.497
212.50N	10.554	4.564
227.50N	7.578	4.836
242.50N	7.043	5.017
257.50N	9.798	4.720
272.50N	8.393	2.759
287.50N	3.765	.705
302.50N	2.962	1.040
317.50N	5.622	2.851
332.50N	4.780	2.407
347.50N	-3.577	-2.561
362.50N	-11.419	-8.263
377.50N	-9.840	-9.129
392.50N	-4.440	-5.297
407.50N	-4.337	-1.580
422.50N	-8.967	-1.826
437.50N	-9.211	-3.967
452.50N	-1.854	-3.824
467.50N	1.597	-1.792
482.50N	-1.548	-.437
497.50N	-.173	-.800
512.50N	1.039	-2.321
527.50N	-5.544	-2.918
542.50N	-4.813	-.087
557.50N	8.992	4.905
572.50N	18.276	7.605

GRID: 1. LINE: 1600.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-.273	-.960
362.50S	-.709	-3.459
347.50S	3.402	-2.114
332.50S	5.056	-1.034
317.50S	2.266	-1.446
302.50S	2.460	.789
287.50S	6.356	3.120
272.50S	7.977	.895
257.50S	5.551	-1.748
242.50S	1.613	-.959
227.50S	-1.119	.360
212.50S	-2.469	-.216
197.50S	-2.775	-1.603
182.50S	-.436	-1.702
167.50S	2.999	-.693
152.50S	3.000	-.834
137.50S	.847	-2.131
122.50S	-.022	-2.659
107.50S	-1.709	-1.828
92.50S	-3.419	-.546
77.50S	-.422	.097
62.50S	2.386	.028
47.50S	-.738	-.064
32.50S	-2.085	.129
17.50S	1.892	-.029
2.50S	3.101	-1.140
12.50N	1.235	-1.838
27.50N	1.324	-1.019
42.50N	.407	-.590
57.50N	-2.808	-1.700
72.50N	-3.145	-2.651
87.50N	-.728	-2.212
102.50N	.309	-.938
117.50N	.235	-.030
132.50N	-.132	.089
147.50N	-1.535	-.008
162.50N	-.986	-.036
177.50N	3.349	-.035
192.50N	5.821	.383
207.50N	4.019	1.875
222.50N	3.591	4.478
237.50N	7.396	6.648
252.50N	11.041	6.304
267.50N	7.911	3.009
282.50N	-.604	-.772
297.50N	-5.091	-1.728
312.50N	-1.875	-.291
327.50N	3.876	.396
342.50N	5.518	-1.140
357.50N	2.001	-3.684
372.50N	-2.689	-5.043
387.50N	-7.858	-4.794
402.50N	-13.476	-4.550
417.50N	-14.200	-5.739
432.50N	-7.929	-6.523
447.50N	-.206	-3.507
462.50N	3.859	1.618
477.50N	3.752	4.418
492.50N	2.175	4.298
507.50N	2.312	2.942
522.50N	4.748	1.388
537.50N	6.052	.111
552.50N	4.342	-.268
567.50N	4.117	1.108

GRID: 1. LINE: 1500.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	10.647	1.004
362.50S	15.203	2.099
347.50S	7.215	1.464
332.50S	-2.026	-2.027
317.50S	-3.457	-5.486
302.50S	-1.987	-4.397
287.50S	1.520	-1.136
272.50S	7.736	-.898
257.50S	8.143	-2.572
242.50S	1.638	-2.532
227.50S	-.992	-.263
212.50S	1.299	1.663
197.50S	2.514	1.226
182.50S	4.316	-.009
167.50S	5.721	-.136
152.50S	.323	.266
137.50S	-7.228	-.463
122.50S	-7.825	-2.790
107.50S	-4.033	-4.963
92.50S	-.689	-4.930
77.50S	2.527	-2.667
62.50S	3.405	-.668
47.50S	.483	-.098
32.50S	-.552	1.932
17.50S	2.713	5.353
2.50S	5.138	5.620
12.50N	4.991	2.872
27.50N	3.699	.726
42.50N	.045	-.573
57.50N	-2.951	-1.841
72.50N	.526	-2.468
87.50N	4.399	-2.480
102.50N	.681	-2.427
117.50N	-3.825	-1.959
132.50N	-3.669	-.550
147.50N	-3.167	1.290
162.50N	-.211	1.804
177.50N	7.873	.829
192.50N	11.379	1.410
207.50N	5.986	3.458
222.50N	.782	2.967
237.50N	-.132	.768
252.50N	.050	-.083
267.50N	.439	-1.386
282.50N	1.843	-3.499
297.50N	4.238	-2.461
312.50N	7.032	2.208
327.50N	6.999	5.058
342.50N	-.985	.198
357.50N	-11.535	-7.774
372.50N	-11.714	-7.598
387.50N	-4.388	-1.942
402.50N	-1.366	-.626
417.50N	-2.362	-2.085
432.50N	-2.600	-2.739
447.50N	-1.263	-4.018
462.50N	3.616	-3.083
477.50N	10.465	2.378
492.50N	9.619	5.454
507.50N	.310	2.227
522.50N	-4.661	-1.649
537.50N	.884	-1.859
552.50N	9.659	.453
567.50N	10.398	2.357

GRID: 1. LINE: 1400.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
227.50S	7.053	-1.305
212.50S	1.013	-.432
197.50S	-1.903	-1.182
182.50S	-2.967	-3.051
167.50S	-4.189	-4.310
152.50S	-4.438	-3.856
137.50S	-1.775	-2.729
122.50S	1.365	-2.321
107.50S	-1.720	-1.916
92.50S	-6.195	-.582
77.50S	1.095	1.117
62.50S	12.822	2.150
47.50S	12.978	2.399
32.50S	5.586	2.750
17.50S	1.037	2.284
2.50S	.155	-.794
12.50N	-.575	-3.511
27.50N	-2.811	-2.341
42.50N	-4.477	-.075
57.50N	-3.094	.275
72.50N	.808	-.067
87.50N	3.936	-.045
102.50N	4.806	.014
117.50N	6.248	.044
132.50N	6.329	-.014
147.50N	.684	-.202
162.50N	-.149	.381
177.50N	10.039	1.641
192.50N	10.914	1.070
207.50N	-3.200	-1.101
222.50N	-9.515	-1.443
237.50N	-4.367	-.731
252.50N	-1.562	-1.397
267.50N	-1.389	-1.449
282.50N	-.913	-.816
297.50N	-3.743	-2.998
312.50N	-8.487	-5.951
327.50N	-9.200	-4.984
342.50N	-4.367	-1.277
357.50N	2.111	1.505
372.50N	5.323	1.825
387.50N	4.927	-.200
402.50N	5.415	-2.061
417.50N	10.778	.342
432.50N	16.207	4.694
447.50N	12.146	3.652
462.50N	1.524	-1.142
477.50N	-5.403	-3.012
492.50N	-6.930	-2.520
507.50N	-5.327	-2.230
522.50N	-.975	-.962
537.50N	4.231	2.828
552.50N	6.938	7.257
567.50N	5.526	7.321

GRID: 1. LINE: 3000.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	1.468	-1.099
362.50S	-6.203	-1.961
347.50S	-8.759	-1.205
332.50S	-2.169	.601
317.50S	7.359	1.921
302.50S	7.664	1.691
287.50S	-2.101	-.101
272.50S	-11.122	-1.811
257.50S	-10.306	-.987
242.50S	-1.942	1.105
227.50S	2.979	.490
212.50S	-.951	-1.476
197.50S	-8.056	-1.234
182.50S	-8.507	-.533
167.50S	-3.447	-1.680
152.50S	-3.665	-3.491
137.50S	-7.645	-4.664
122.50S	-7.294	-4.960
107.50S	-5.775	-4.263
92.50S	-6.178	-2.957
77.50S	-3.865	-2.115
62.50S	2.108	-2.717
47.50S	7.332	-4.048
32.50S	9.287	-3.354
17.50S	11.819	.649
2.50S	19.111	5.290
12.50N	22.501	5.575
27.50N	14.256	.271
42.50N	5.784	-4.702
57.50N	5.543	-5.300
72.50N	5.999	-3.896
87.50N	2.229	-2.187
102.50N	-3.378	-.652
117.50N	-8.339	-1.442
132.50N	-9.160	-3.485
147.50N	-4.434	-2.770
162.50N	-3.424	-1.119
177.50N	-10.484	-1.517
192.50N	-10.709	-.072
207.50N	-3.383	2.734
222.50N	-7.579	-.026
237.50N	-16.206	-5.241
252.50N	-10.467	-5.140
267.50N	-.189	-2.345
282.50N	1.218	-2.071
297.50N	1.097	-2.659
312.50N	13.221	1.933
327.50N	32.266	10.873
342.50N	29.235	11.560
357.50N	2.683	1.040
372.50N	-12.461	-7.239
387.50N	-9.248	-6.630
402.50N	-7.324	-2.533
417.50N	-10.593	-1.213
432.50N	-13.592	-3.398
447.50N	-14.932	-5.176
462.50N	-13.466	-4.617
477.50N	-7.822	-2.231
492.50N	.848	1.960
507.50N	9.021	5.551
522.50N	13.434	4.610

GRID: 1. LINE: 2900.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-2.731	-2.582
362.50S	-1.729	-2.008
347.50S	1.688	.223
332.50S	5.363	3.386
317.50S	4.923	4.291
302.50S	-.424	1.098
287.50S	-1.474	-.046
272.50S	5.626	4.791
257.50S	6.040	6.438
242.50S	-3.433	1.108
227.50S	-5.680	-2.063
212.50S	.321	-.555
197.50S	1.104	.419
182.50S	-5.491	-.495
167.50S	-11.805	-1.906
152.50S	-11.343	-2.813
137.50S	-5.047	-1.789
122.50S	.463	.712
107.50S	-.236	.505
92.50S	-6.592	-4.811
77.50S	-11.158	-11.497
62.50S	-3.560	-11.983
47.50S	15.884	-4.563
32.50S	29.880	1.417
17.50S	28.965	1.363
2.50S	21.848	1.134
12.50N	13.391	1.118
27.50N	2.794	-1.803
42.50N	-5.146	-3.587
57.50N	-5.345	-1.495
72.50N	.098	.497
87.50N	2.264	-.254
102.50N	-3.378	-1.786
117.50N	-8.973	-.890
132.50N	-10.388	1.067
147.50N	-12.519	-.473
162.50N	-11.586	-3.645
177.50N	-4.061	-3.809
192.50N	-2.166	-2.527
207.50N	-9.477	-2.183
222.50N	-11.338	-1.561
237.50N	-2.280	-.137
252.50N	6.680	.411
267.50N	3.607	-1.468
282.50N	-4.293	-3.576
297.50N	1.656	-1.948
312.50N	14.955	1.336
327.50N	15.914	1.538
342.50N	6.188	-.625
357.50N	-2.046	-1.981
372.50N	-4.096	-1.490
387.50N	-2.997	-.239
402.50N	-2.399	.219
417.50N	-1.195	-.516
432.50N	-.797	-1.861
447.50N	-4.865	-2.767
462.50N	-6.381	-1.883
477.50N	1.329	.555
492.50N	8.404	1.775
507.50N	6.797	.768
522.50N	2.289	-.205
537.50N	.476	.018
552.50N	.250	.226
567.50N	-2.225	-1.109

GRID: 1. LINE: 2800.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	2.958	2.757
362.50S	.168	.524
347.50S	-1.771	-.161
332.50S	-1.484	-.279
317.50S	1.252	.122
302.50S	4.376	2.300
287.50S	3.037	3.548
272.50S	-3.778	.879
257.50S	-8.267	-2.596
242.50S	-4.595	-2.669
227.50S	2.377	.119
212.50S	1.531	1.022
197.50S	-8.501	-1.889
182.50S	-11.823	-3.279
167.50S	-3.209	-1.583
152.50S	2.097	-2.520
137.50S	-2.508	-6.516
122.50S	-7.025	-8.106
107.50S	.040	-4.669
92.50S	14.486	.109
77.50S	20.627	.648
62.50S	18.127	-1.415
47.50S	15.529	-1.319
32.50S	9.577	-.403
17.50S	-.054	-1.705
2.50S	-3.725	-4.640
12.50N	-.738	-6.428
27.50N	.876	-4.894
42.50N	-1.794	-.549
57.50N	-3.575	3.240
72.50N	.214	3.166
87.50N	1.240	.400
102.50N	-6.682	-1.705
117.50N	-9.913	-2.319
132.50N	-2.631	-.477
147.50N	.979	4.095
162.50N	-4.783	4.412
177.50N	-11.547	-2.874
192.50N	-11.714	-6.390
207.50N	-5.474	-1.292
222.50N	.626	2.150
237.50N	1.173	.522
252.50N	-2.219	-.545
267.50N	-1.971	.916
282.50N	4.029	1.796
297.50N	9.070	-.744
312.50N	8.932	-3.441
327.50N	5.387	-2.308
342.50N	2.071	-.300
357.50N	2.241	.344
372.50N	6.503	2.030
387.50N	10.731	3.906
402.50N	10.067	2.560
417.50N	4.539	-1.813
432.50N	-2.231	-5.663
447.50N	-6.513	-5.726
462.50N	-6.385	-2.478
477.50N	-1.982	.834
492.50N	4.729	1.847
507.50N	8.023	.678
522.50N	1.799	-1.507
537.50N	-11.189	-5.461
552.50N	-19.898	-9.862
567.50N	-14.883	-8.053

GRID: 1. LINE: 2700.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-6.163	2.574
362.50S	-7.483	2.085
347.50S	-2.627	.865
332.50S	1.166	.690
317.50S	1.271	1.696
302.50S	3.655	1.622
287.50S	4.316	.125
272.50S	-3.535	-1.474
257.50S	-12.510	-3.014
242.50S	-14.637	-4.270
227.50S	-11.861	-4.622
212.50S	-6.732	-5.305
197.50S	-.009	-6.563
182.50S	5.513	-5.075
167.50S	5.002	-1.947
152.50S	-1.891	-2.903
137.50S	-2.613	-5.656
122.50S	9.714	-3.742
107.50S	18.222	1.524
92.50S	13.828	3.901
77.50S	9.253	.590
62.50S	8.312	-2.967
47.50S	6.448	-1.106
32.50S	8.071	2.399
17.50S	11.559	2.766
2.50S	6.033	.737
12.50N	-4.703	-2.707
27.50N	-8.587	-5.900
42.50N	-6.388	-4.526
57.50N	-3.216	-.158
72.50N	.149	.364
87.50N	.911	-.708
102.50N	-4.027	1.778
117.50N	-11.620	2.797
132.50N	-13.492	-.237
147.50N	-5.514	-1.533
162.50N	.537	-1.006
177.50N	-5.738	-2.622
192.50N	-12.638	-4.334
207.50N	-9.856	-3.177
222.50N	-3.352	-.327
237.50N	2.836	2.055
252.50N	7.679	2.742
267.50N	5.431	1.613
282.50N	-.912	.595
297.50N	.042	1.448
312.50N	4.521	1.051
327.50N	3.285	-2.196
342.50N	2.951	-1.908
357.50N	6.663	2.014
372.50N	5.655	.950
387.50N	2.354	-2.736
402.50N	5.034	-1.193
417.50N	9.516	2.218
432.50N	12.071	2.839
447.50N	14.938	2.081
462.50N	10.050	-1.332
477.50N	-7.093	-7.698
492.50N	-18.595	-9.290
507.50N	-13.911	-5.266
522.50N	-5.561	-4.089
537.50N	-3.185	-5.937
552.50N	-5.109	-4.865

GRID: 1. LINE: 2300.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
227.50S	4.327	2.398
212.50S	1.612	2.339
197.50S	-3.424	1.342
182.50S	-6.750	-2.008
167.50S	-5.680	-5.475
152.50S	-2.431	-5.037
137.50S	-.807	-3.954
122.50S	-1.487	-6.542
107.50S	-.955	-7.956
92.50S	1.040	-4.452
77.50S	.945	-.025
62.50S	1.782	2.045
47.50S	7.091	2.428
32.50S	10.596	2.958
17.50S	8.923	4.200
2.50S	7.809	5.038
12.50N	9.110	4.514
27.50N	7.847	2.247
42.50N	-.115	-1.815
57.50N	-9.891	-5.601
72.50N	-11.451	-5.797
87.50N	-5.626	-2.403
102.50N	-1.102	.994
117.50N	-.722	1.037
132.50N	-1.746	-1.069
147.50N	-1.435	-1.359
162.50N	-.513	-.941
177.50N	-1.148	-2.719
192.50N	-2.995	-4.177
207.50N	-4.340	-3.215
222.50N	-4.627	-2.125
237.50N	-5.260	-2.499
252.50N	-6.504	-2.792
267.50N	-5.111	-.448
282.50N	.044	3.006
297.50N	5.111	3.052
312.50N	6.251	.828
327.50N	4.214	.891
342.50N	4.113	3.479

GRID: 1. LINE: 2200.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
127.50S	-1.952	-2.905
112.50S	-3.176	-5.413
97.50S	-5.741	-8.408
82.50S	-4.127	-5.736
67.50S	1.675	1.056
52.50S	4.817	2.848
37.50S	6.065	2.032
22.50S	9.243	5.484
7.50S	9.580	7.727
7.50N	5.059	4.633
22.50N	1.930	1.950
37.50N	2.091	2.173
52.50N	1.517	1.594
67.50N	-2.262	-2.633
82.50N	-7.404	-7.297
97.50N	-9.561	-6.252
112.50N	-6.390	-.715
127.50N	.071	3.430
142.50N	4.671	4.637
157.50N	3.255	2.920
172.50N	-3.176	-1.913
187.50N	-7.468	-5.687
202.50N	-4.609	-4.769
217.50N	.571	-2.692
232.50N	2.283	-2.046
247.50N	.714	-.424
262.50N	-2.464	1.649
277.50N	-4.602	1.371
292.50N	-1.573	-.396
307.50N	4.155	-.039
322.50N	4.704	3.670
337.50N	1.084	5.074
352.50N	-.458	.311
367.50N	-.572	-3.570

GRID: 1. LINE: 2100.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	5.605	2.729
362.50S	.916	.628
347.50S	-.569	.977
332.50S	.609	3.389
317.50S	1.906	4.246
302.50S	2.240	1.187
287.50S	2.859	-.157
272.50S	4.091	4.570
257.50S	2.966	7.707
242.50S	-.539	4.707
227.50S	-2.429	1.383
212.50S	-3.071	-.791
197.50S	-4.152	-4.295
182.50S	-2.395	-6.615
167.50S	.361	-5.656
152.50S	-2.845	-3.711
137.50S	-6.822	-2.460
122.50S	-3.188	-2.148
107.50S	1.773	-3.559
92.50S	1.190	-6.042
77.50S	-1.404	-6.871
62.50S	-1.973	-4.237
47.50S	-.914	-.086
32.50S	-.640	.827
17.50S	-1.699	-.888
2.50S	-1.867	.472
12.50N	.316	3.550
27.50N	3.228	3.697
42.50N	3.435	3.241
57.50N	1.364	3.962
72.50N	1.008	2.913
87.50N	1.492	.696
102.50N	-.246	-.114
117.50N	-2.264	-1.165
132.50N	-2.654	-3.568
147.50N	-2.667	-4.541
162.50N	-1.726	-1.770
177.50N	.640	2.462
192.50N	.808	2.249
207.50N	-2.899	-2.174
222.50N	-6.138	-3.509
237.50N	-3.040	-.331
252.50N	4.548	2.130
267.50N	5.308	.761
282.50N	-.564	-1.093
297.50N	.608	1.687
312.50N	7.132	5.335
327.50N	6.780	3.590
342.50N	.202	-.398
357.50N	-3.403	-2.255
372.50N	-.112	-3.249
387.50N	2.019	-4.599
402.50N	-1.482	-3.148
417.50N	2.016	5.740
432.50N	12.612	14.421
447.50N	11.016	7.702
462.50N	-2.723	-9.381
477.50N	-11.243	-18.723
492.50N	-8.473	-15.527
507.50N	-1.046	-8.213
522.50N	2.847	-4.071
537.50N	2.871	3.063
552.50N	2.510	13.621
567.50N	.561	6.231
582.50N	-2.988	-14.065
597.50N	-4.172	-10.530

GRID: 1. LINE: 2000.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-2.087	-1.084
362.50S	-4.149	-.816
347.50S	-3.779	-2.845
332.50S	-1.363	-3.835
317.50S	1.402	-1.303
302.50S	2.964	3.038
287.50S	1.648	6.808
272.50S	-2.017	7.933
257.50S	-4.058	4.618
242.50S	-3.281	-.061
227.50S	-2.594	-.457
212.50S	-1.617	.968
197.50S	.696	-1.378
182.50S	.448	-5.283
167.50S	-2.799	-6.983
152.50S	-3.402	-6.656
137.50S	-.275	-4.177
122.50S	2.088	-.231
107.50S	.562	1.131
92.50S	-3.009	-.963
77.50S	-4.187	-2.541
62.50S	-2.625	-2.725
47.50S	-.879	-2.643
32.50S	.885	-.456
17.50S	3.750	2.978
2.50S	6.726	3.125
12.50N	5.527	.731
27.50N	-.233	.704
42.50N	-2.192	4.189
57.50N	1.925	6.018
72.50N	3.631	1.053
87.50N	.213	-4.777
102.50N	-3.379	-3.694
117.50N	-4.085	-.541
132.50N	-3.116	-1.399
147.50N	-3.247	-3.905
162.50N	-4.499	-4.054
177.50N	-5.008	-1.848
192.50N	-4.216	-.923
207.50N	-.975	-1.536
222.50N	4.966	-.176
237.50N	6.959	1.047
252.50N	1.229	-.576
267.50N	-2.780	.252
282.50N	-.042	4.544
297.50N	2.468	5.404
312.50N	3.452	3.648
327.50N	6.540	3.836
342.50N	8.873	2.246
357.50N	6.139	-2.235
372.50N	-.582	-3.333
387.50N	-5.639	-.632
402.50N	-5.054	.609
417.50N	-1.202	-.799
432.50N	3.485	.137
447.50N	8.768	7.005
462.50N	9.625	10.607
477.50N	2.541	2.486
492.50N	-5.408	-7.286
507.50N	-7.292	-8.133
522.50N	-4.398	-3.581
537.50N	-.268	-1.441
552.50N	2.104	-4.053
567.50N	.166	-6.571

GRID: 1. LINE: 1900.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	.525	.199
362.50S	-2.184	-.351
347.50S	-4.081	-1.602
332.50S	-4.445	-1.234
317.50S	-2.962	1.145
302.50S	-.096	2.739
287.50S	1.458	2.259
272.50S	-.171	.906
257.50S	-2.534	.033
242.50S	-2.606	-.083
227.50S	-1.681	.030
212.50S	-2.314	-.228
197.50S	-3.018	-1.288
182.50S	-3.019	-2.490
167.50S	-3.998	-2.494
152.50S	-4.431	-1.261
137.50S	-1.824	-.493
122.50S	2.289	-1.298
107.50S	3.274	-2.172
92.50S	1.504	-.597
77.50S	2.646	3.520
62.50S	6.300	5.615
47.50S	6.736	3.077
32.50S	2.087	1.097
17.50S	-2.544	1.343
2.50S	-.986	-.930
12.50N	3.141	-2.784
27.50N	2.696	.631
42.50N	-.583	3.443
57.50N	-2.117	1.661
72.50N	-1.480	-.038
87.50N	-.180	-.730
102.50N	.279	-2.801
117.50N	-1.012	-4.217
132.50N	-3.703	-3.188
147.50N	-6.190	-1.960
162.50N	-6.500	-2.830
177.50N	-3.429	-4.336
192.50N	2.180	-2.104
207.50N	5.618	2.290
222.50N	2.845	2.018
237.50N	.034	-.919
252.50N	4.127	-.126
267.50N	9.380	2.711
282.50N	10.213	4.571
297.50N	9.160	6.233
312.50N	5.959	6.084
327.50N	-.180	2.894
342.50N	-3.125	.984
357.50N	.224	1.409
372.50N	3.807	-.454
387.50N	.682	-3.742
402.50N	-6.968	-3.943
417.50N	-7.298	-1.534
432.50N	2.014	1.487
447.50N	8.658	4.236
462.50N	6.505	3.191
477.50N	-.021	-2.468
492.50N	-5.578	-5.615
507.50N	-6.948	-4.143
522.50N	-4.081	-4.417
537.50N	-1.067	-5.742
552.50N	-1.134	-3.318
567.50N	-1.812	-.076

GRID: 1. LINE: 1800.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-1.369	-1.714
362.50S	-4.035	-.879
347.50S	.593	3.653
332.50S	1.115	5.074
317.50S	2.047	3.208
302.50S	5.176	2.337
287.50S	-.916	.392
272.50S	-4.178	-1.856
257.50S	-.556	-2.391
242.50S	-1.192	-2.405
227.50S	-4.062	-2.396
212.50S	-3.860	-2.403
197.50S	-.474	-2.408
182.50S	1.685	-2.154
167.50S	.900	-.486
152.50S	.563	3.244
137.50S	2.564	6.041
122.50S	5.419	4.845
107.50S	6.929	1.720
92.50S	5.438	.358
77.50S	1.403	1.302
62.50S	-1.089	1.465
47.50S	.287	-.573
32.50S	1.202	-.849
17.50S	-.980	.920
2.50S	-2.836	-.443
12.50N	-2.199	-3.611
27.50N	-.737	-3.798
42.50N	-1.059	-2.838
57.50N	-3.593	-4.072
72.50N	-6.142	-6.380
87.50N	-6.761	-6.128
102.50N	-5.762	-2.800
117.50N	-5.111	-1.388
132.50N	-4.608	-3.282
147.50N	-1.944	-3.390
162.50N	1.779	-.085
177.50N	4.033	3.290
192.50N	5.861	4.102
207.50N	8.473	3.129
222.50N	10.213	3.143
237.50N	8.907	4.715
252.50N	6.191	6.356
267.50N	7.912	7.292
282.50N	13.662	7.230
297.50N	15.574	6.126
312.50N	12.263	5.164
327.50N	7.749	4.893
342.50N	2.337	3.546
357.50N	-2.617	1.207
372.50N	-3.126	.210
387.50N	-.872	-.930
402.50N	-1.859	-4.274
417.50N	-8.172	-6.532
432.50N	-14.002	-5.689
447.50N	-11.539	-4.609

GRID: 1. LINE: 2600.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
27.50S	7.822	4.075
12.50S	3.580	-.295
2.50N	2.326	1.519
17.50N	.028	3.122
32.50N	-4.771	-.295
47.50N	-7.487	-4.676
62.50N	-7.602	-6.962
77.50N	-7.388	-6.478
92.50N	-5.270	-1.496
107.50N	-1.829	4.290
122.50N	-1.595	3.531
137.50N	-4.315	-.792
152.50N	-6.443	-1.489
167.50N	-7.452	-.842
182.50N	-5.178	-1.524
197.50N	2.425	-.560
212.50N	5.695	1.756
227.50N	-1.676	2.622
242.50N	-5.512	2.729
257.50N	.281	2.245
272.50N	2.463	-.635
287.50N	-.818	-3.797
302.50N	-1.440	-3.826
317.50N	-1.051	-1.982
332.50N	-1.454	-.371
347.50N	1.990	1.124
362.50N	8.871	1.961
377.50N	12.395	1.180
392.50N	7.555	-.530

GRID: 1. LINE: 2500.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
27.50S	14.611	7.310
12.50S	13.839	6.913
2.50N	9.572	4.774
17.50N	.143	.009
32.50N	-8.122	-5.027
47.50N	-6.130	-5.914
62.50N	-.531	-2.416
77.50N	-2.418	1.094
92.50N	-6.462	.559
107.50N	-5.973	-2.916
122.50N	-4.548	-4.337
137.50N	-4.673	-2.444
152.50N	-4.902	-.515
167.50N	-4.747	-1.355
182.50N	-4.794	-3.535
197.50N	-5.076	-3.142
212.50N	-4.253	-.393
227.50N	-1.901	1.689
242.50N	-.523	2.565
257.50N	-1.647	2.376
272.50N	-3.096	.502
287.50N	-1.429	-2.009
302.50N	2.409	-2.864
317.50N	2.102	-.919
332.50N	-.131	3.169
347.50N	4.994	6.786
362.50N	10.607	5.631
377.50N	5.486	-.171
392.50N	-1.964	-2.779
407.50N	-1.371	.115
422.50N	3.739	1.154
437.50N	5.630	-2.269
452.50N	1.887	-5.800
467.50N	-2.861	-6.057

GRID: 1. LINE: 2400.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	6.035	2.131
287.50S	3.796	-2.314
272.50S	-6.530	-5.841
257.50S	-7.179	-5.522
242.50S	4.511	-1.835
227.50S	7.540	1.350
212.50S	-.537	2.107
197.50S	-6.184	.138
182.50S	-8.141	-5.367
167.50S	-6.870	-9.668
152.50S	1.936	-5.385
137.50S	11.396	2.667
122.50S	11.115	4.562
107.50S	4.544	1.320
92.50S	-.199	-1.549
77.50S	-1.156	-2.542
62.50S	-.108	-2.359
47.50S	1.366	-1.226
32.50S	3.765	1.714
17.50S	8.007	5.537
2.50S	12.076	6.960
12.50N	9.403	4.192
27.50N	-1.028	-1.044
42.50N	-7.492	-4.843
57.50N	-5.055	-5.099
72.50N	-2.372	-2.966
87.50N	-1.173	-.055
102.50N	1.988	1.913
117.50N	2.609	.651
132.50N	-2.206	-3.006
147.50N	-7.391	-5.169
162.50N	-9.025	-4.787
177.50N	-8.164	-3.428
192.50N	-7.636	-1.632
207.50N	-6.966	-.567
222.50N	-3.242	-1.962
237.50N	1.205	-4.071
252.50N	1.688	-3.811
267.50N	-.928	-1.419
282.50N	-1.907	1.439
297.50N	1.518	4.256
312.50N	6.044	7.171
327.50N	6.574	8.133
342.50N	3.124	2.843
357.50N	-.857	-5.475
372.50N	-2.194	-6.783
387.50N	.660	-.468
402.50N	4.951	5.241
417.50N	4.122	5.470
432.50N	-1.605	1.863
447.50N	-3.860	-1.166
462.50N	.082	-2.595
477.50N	3.957	-3.864
492.50N	1.024	-4.419
507.50N	-3.956	-3.021
522.50N	-.137	-.680
537.50N	6.150	-1.409
552.50N	3.400	-5.927
567.50N	-1.149	-7.289

GRID: 1. LINE: 900.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	-1.979	-2.236
262.50S	-9.409	-2.702
247.50S	-13.041	-3.909
232.50S	-3.631	-3.993
217.50S	11.429	-1.125
202.50S	12.456	3.597
187.50S	2.879	5.616
172.50S	-1.147	2.012
157.50S	-1.567	-3.188
142.50S	-3.231	-4.578
127.50S	-1.381	-1.633
112.50S	4.075	1.276
97.50S	7.159	1.151
82.50S	5.186	1.239
67.50S	1.783	3.447
52.50S	1.502	4.369
37.50S	.349	2.098
22.50S	-6.021	-1.903
7.50S	-10.398	-5.534
7.50N	-5.089	-6.796
22.50N	7.636	-4.585
37.50N	19.918	-.249
52.50N	24.682	2.314
67.50N	20.128	-.900
82.50N	11.085	-8.544
97.50N	4.152	-14.048
112.50N	-.656	-13.496
127.50N	-5.915	-9.731
142.50N	-8.898	-8.824
157.50N	-8.144	-8.473
172.50N	-7.068	-1.969
187.50N	-6.948	5.839
202.50N	-6.046	2.975
217.50N	-3.639	1.169
232.50N	-1.074	5.839
247.50N	-1.017	5.437
262.50N	-5.683	-.906
277.50N	-11.604	-3.529
292.50N	-9.564	-.718
307.50N	-2.180	3.240
322.50N	-2.589	5.156
337.50N	-6.248	4.680
352.50N	-1.778	3.314
367.50N	3.358	2.154
382.50N	1.968	.419
397.50N	.964	-2.581
412.50N	5.283	-3.229
427.50N	11.183	.768
442.50N	11.940	3.761
457.50N	5.471	1.533
472.50N	-2.819	-2.522
487.50N	-5.013	-3.931
502.50N	-.101	-2.097
517.50N	2.762	-.107
532.50N	-.058	.240
547.50N	-1.231	.433
562.50N	1.717	1.244

GRID: 1. LINE: 800.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	-2.205	-1.144
237.50S	-5.081	-.665
222.50S	-.795	-1.619
207.50S	5.731	-.506
192.50S	7.054	2.893
177.50S	2.116	3.532
162.50S	-3.246	-.038
147.50S	-2.961	-3.577
132.50S	2.302	-2.406
117.50S	7.576	2.240
102.50S	9.091	4.567
87.50S	7.210	2.222
72.50S	4.332	-.985
57.50S	1.267	-.900
42.50S	-1.381	1.011
27.50S	-2.472	-.212
12.50S	-2.605	-3.926
2.50N	-2.570	-5.291
17.50N	-.239	-4.237
32.50N	8.861	-.921
47.50N	24.065	4.467
62.50N	30.258	3.774
77.50N	17.428	-6.965
92.50N	1.571	-14.635
107.50N	-2.804	-12.425
122.50N	-1.630	-10.124
137.50N	-3.386	-11.164
152.50N	-8.289	-9.923
167.50N	-11.115	-4.717
182.50N	-10.598	.280
197.50N	-10.314	1.110
212.50N	-7.702	1.642
227.50N	-.713	5.772
242.50N	1.782	7.298
257.50N	-3.711	2.728
272.50N	-8.660	-1.724
287.50N	-9.922	-1.898
302.50N	-9.932	.482
317.50N	-6.854	2.344
332.50N	-.494	2.578
347.50N	3.666	1.836
362.50N	1.179	-.624
377.50N	-4.262	-3.561
392.50N	-2.162	-1.047
407.50N	6.907	5.868
422.50N	9.980	7.661
437.50N	5.844	2.694
452.50N	2.930	-2.514
467.50N	1.728	-4.230
482.50N	.645	-3.128
497.50N	.316	-1.402
512.50N	-.843	.676
527.50N	-3.289	1.492
542.50N	-1.752	2.375
557.50N	4.063	2.482
572.50N	6.824	2.377

GRID: 1. LINE: 700.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
240.00S	2.949	1.018
225.00S	8.933	3.102
210.00S	6.352	1.648
195.00S	3.388	-.989
180.00S	4.995	-1.912
165.00S	5.151	-.300
150.00S	-1.279	2.486
135.00S	-1.403	4.789
120.00S	8.808	5.112
105.00S	8.623	2.562
90.00S	-3.909	-1.304
75.00S	-6.767	-3.157
60.00S	5.889	-1.120
45.00S	17.181	2.644
30.00S	9.505	3.128
15.00S	-7.066	-1.541
.00N	-9.805	-7.891
15.00N	-4.591	-10.500
30.00N	.786	-6.181
45.00N	20.043	2.667
60.00N	39.746	6.840
75.00N	30.107	.267
90.00N	7.319	-7.913
105.00N	-1.086	-8.934
120.00N	-3.230	-8.490
135.00N	-10.054	-10.989
150.00N	-15.911	-11.982
165.00N	-14.125	-7.072
180.00N	-7.006	.530
195.00N	-3.242	2.381
210.00N	-5.586	-.365
225.00N	-2.270	.666
240.00N	-1.764	4.287
255.00N	-4.686	5.286
270.00N	-5.170	4.738

GRID: 1. LINE: 600.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
190.00S	2.090	.293
175.00S	1.259	2.354
160.00S	5.912	4.605
145.00S	8.863	5.077
130.00S	3.278	4.035
115.00S	-3.225	2.708
100.00S	.857	1.404
85.00S	6.736	-.871
70.00S	4.063	-3.436
55.00S	.369	-3.279
40.00S	-1.188	-1.027
25.00S	-5.375	-.664
10.00S	-6.427	-3.025
5.00N	-.272	-5.847
20.00N	3.908	-7.574
35.00N	3.944	-9.731
50.00N	9.067	-11.484
65.00N	22.505	-3.796
80.00N	33.720	10.472
95.00N	27.650	10.392
110.00N	8.268	-3.745
125.00N	-6.447	-11.202
140.00N	-12.578	-10.512
155.00N	-14.101	-9.426
170.00N	-9.222	-4.451

GRID: 1. LINE: 100.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
47.50N	-1.243	-11.275
62.50N	2.248	-14.537
77.50N	10.819	-17.687
92.50N	11.465	-17.664
107.50N	3.077	-13.805
122.50N	1.539	-8.386
137.50N	7.747	-2.000
152.50N	8.552	4.058
167.50N	.153	4.875
182.50N	-8.117	2.198
197.50N	-5.207	4.517
212.50N	5.830	10.571
227.50N	13.046	12.852
242.50N	11.498	10.986
257.50N	3.352	6.191
272.50N	-6.637	-1.861
287.50N	-12.670	-7.063
302.50N	-10.235	-3.469
317.50N	.936	4.007
332.50N	13.845	8.469
347.50N	17.659	9.034
362.50N	8.042	6.933
377.50N	-5.242	4.062
392.50N	-4.116	2.985
407.50N	8.895	2.078
422.50N	10.744	-3.206
437.50N	-.513	-10.764
452.50N	-7.383	-12.414
467.50N	-3.231	-3.788
482.50N	3.679	4.857
497.50N	2.837	-1.207
512.50N	-3.245	-12.217
527.50N	-5.658	-11.162
542.50N	-4.438	-5.865
557.50N	-2.756	-5.708
572.50N	-.445	-4.688

GRID: 1. LINE: 700.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
322.50N	-6.449	-2.615
337.50N	-4.542	-.794
352.50N	-1.858	-1.288
367.50N	.208	-1.762
382.50N	2.073	-.731
397.50N	5.013	.051
412.50N	5.466	.200
427.50N	.420	.185
442.50N	-4.925	-1.332
457.50N	-5.255	-3.575
472.50N	-1.782	-3.164
487.50N	1.815	-.338
502.50N	2.925	1.776
517.50N	1.419	2.215
532.50N	.625	2.475
547.50N	3.442	3.719
562.50N	5.181	3.812
577.50N	.665	.760

GRID: 1. LINE: 600.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
222.50N	-3.736	.466
237.50N	-3.955	3.134
252.50N	-1.900	7.178
267.50N	-.961	7.096
282.50N	-1.508	2.623
297.50N	.506	.531
312.50N	3.715	1.906
327.50N	3.858	2.697

GRID: 1. LINE: 300.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	-6.554	-5.271
262.50S	1.704	-2.694
247.50S	-5.308	-.865
232.50S	-8.707	.421
217.50S	-3.189	-.084
202.50S	-9.061	-4.689
187.50S	-21.509	-11.223
172.50S	-21.157	-15.428
157.50S	-14.360	-16.853
142.50S	-11.606	-16.832
127.50S	-8.562	-15.352
112.50S	-2.744	-11.415
97.50S	2.367	-5.980
82.50S	4.838	-3.153
67.50S	4.950	-3.855
52.50S	3.762	-4.146
37.50S	2.645	-2.464
22.50S	2.317	-.730
7.50S	2.301	-.489
7.50N	2.451	-1.792
22.50N	3.361	-3.563
37.50N	4.629	-4.430
52.50N	6.037	-3.623
67.50N	8.794	-1.406
82.50N	10.771	1.374
97.50N	7.425	2.684
112.50N	1.177	-1.701
127.50N	-.104	-8.648
142.50N	6.671	-4.126
157.50N	11.327	7.177
172.50N	1.327	3.504
187.50N	-11.696	-5.976
202.50N	-9.127	.371
217.50N	2.673	11.501
232.50N	10.116	11.409
247.50N	10.423	4.944
262.50N	3.405	1.345
277.50N	-6.425	2.576
292.50N	-6.306	4.191

GRID: 1. LINE: 200.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	-5.545	-2.395
287.50S	-7.467	-2.407
272.50S	-10.159	-2.413
257.50S	-11.710	-2.348
242.50S	-10.263	-2.411
227.50S	-6.795	-2.645
212.50S	-6.648	-2.019
197.50S	-11.907	-1.705
182.50S	-15.133	-6.387
167.50S	-11.804	-13.164
152.50S	-6.527	-12.419
137.50S	-2.605	-6.637
122.50S	-3.456	-7.259
107.50S	-15.302	-16.930
92.50S	-24.958	-22.933
77.50S	-10.033	-12.176
62.50S	10.436	1.502
47.50S	6.448	-.914
32.50S	-6.413	-8.735
17.50S	-8.975	-8.868
2.50S	-8.884	-6.809
12.50N	-6.756	-7.082
27.50N	2.929	-8.440
42.50N	11.071	-11.205
57.50N	9.181	-13.160
72.50N	3.333	-9.255
87.50N	5.602	-.407
102.50N	17.111	7.787
117.50N	21.895	12.285
132.50N	12.728	12.196
147.50N	2.021	7.460
162.50N	-1.503	.333
177.50N	-.819	-5.090
192.50N	-1.643	-5.532
207.50N	-3.383	-1.877
222.50N	-.838	1.493
237.50N	3.067	1.974
252.50N	1.471	.827
267.50N	-4.060	1.103
282.50N	-6.283	3.556
297.50N	-1.802	5.439
312.50N	2.402	4.129
327.50N	.661	1.390
342.50N	.880	2.857
357.50N	6.182	6.952
372.50N	7.414	5.176
387.50N	3.147	-1.051
402.50N	.245	-4.428
417.50N	.622	-5.852
432.50N	-.147	-8.397
447.50N	-5.532	-10.361
462.50N	-9.449	-8.592
477.50N	-5.570	-3.694
492.50N	-.041	-1.191
507.50N	.577	-3.286
522.50N	-1.818	-6.008
537.50N	-4.982	-7.196
552.50N	-7.998	-7.399
567.50N	-8.451	-6.090

GRID: 1. LINE: 101.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	-9.737	-5.646
237.50S	-9.338	-7.256
222.50S	-8.164	-8.820
207.50S	-7.509	-9.032
192.50S	-9.001	-7.847
177.50S	-12.187	-6.910
162.50S	-12.916	-7.476
147.50S	-8.929	-8.805
132.50S	-4.966	-8.568
117.50S	-4.356	-6.019
102.50S	-4.717	-3.841
87.50S	-5.357	-6.231
72.50S	-8.506	-13.380
57.50S	-14.726	-18.574
42.50S	-19.424	-15.929
27.50S	-16.477	-7.078
12.50S	-7.909	.563
2.50N	-.738	1.800

GRID: 1. LINE: 0.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	-13.932	-6.246
237.50S	-11.333	-4.963
222.50S	-8.291	-4.535
207.50S	-11.455	-5.586
192.50S	-17.749	-6.590
177.50S	-16.240	-5.775
162.50S	-13.181	-6.186
147.50S	-17.076	-10.405
132.50S	-13.852	-13.483
117.50S	1.362	-11.078
102.50S	10.462	-5.476
87.50S	7.277	-.633
72.50S	1.064	1.763
57.50S	-3.100	2.780
42.50S	-4.452	4.274
27.50S	-4.891	5.793
12.50S	-12.957	2.933
2.50N	-30.137	-6.306
17.50N	-39.060	-15.820
32.50N	-27.704	-20.652
47.50N	-4.529	-22.136
62.50N	17.106	-20.748
77.50N	28.594	-17.092
92.50N	27.004	-15.805
107.50N	16.626	-17.692
122.50N	5.603	-17.165
137.50N	-1.874	-11.581
152.50N	-5.827	-4.363
167.50N	-6.670	-.684
182.50N	-7.418	-1.415
197.50N	-10.547	-1.655
212.50N	-8.645	3.760
227.50N	2.372	12.016
242.50N	8.825	11.818
257.50N	3.936	2.827
272.50N	-.898	-1.448
287.50N	-.094	1.655
302.50N	1.775	4.378
317.50N	2.004	4.797
332.50N	2.547	4.787
347.50N	5.741	5.323
362.50N	8.004	7.799
377.50N	5.642	10.774
392.50N	3.262	8.259
407.50N	5.757	1.303
422.50N	9.919	-2.070
437.50N	6.666	-4.584
452.50N	-4.071	-11.241
467.50N	-9.567	-13.382
482.50N	-.457	-8.427
497.50N	-3.675	-6.751
512.50N	-8.883	-7.515
527.50N	-.815	-4.054
542.50N	4.928	-2.146
557.50N	-1.794	-4.883
572.50N	-5.428	-4.799

GRID: 1. LINE: 1300.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	5.497	-.464
362.50S	7.472	2.031
347.50S	9.224	2.852
332.50S	6.829	1.127
317.50S	2.521	-1.252
302.50S	3.676	-1.488
287.50S	7.946	-.581
272.50S	6.651	-1.175
257.50S	-1.570	-2.793
242.50S	-10.738	-4.396
227.50S	-13.849	-6.095
212.50S	-8.685	-6.435
197.50S	-.316	-4.459
182.50S	2.674	-2.504
167.50S	-.104	-2.165
152.50S	-1.213	-1.738
137.50S	-1.567	.253
122.50S	-3.604	3.025
107.50S	1.240	4.348
92.50S	11.108	3.101
77.50S	11.121	.889
62.50S	5.717	.918
47.50S	6.494	3.161
32.50S	4.209	2.313
17.50S	-4.251	-2.232
2.50S	-4.520	-4.242
12.50N	2.724	-2.842
27.50N	6.724	-1.081
42.50N	10.216	2.078
57.50N	14.149	5.388
72.50N	10.399	3.741
87.50N	1.848	-1.599
102.50N	-2.285	-4.630
117.50N	-3.195	-3.512
132.50N	-4.052	-1.170
147.50N	-3.473	-.918
162.50N	-3.582	-1.798
177.50N	-5.690	-1.193
192.50N	-3.637	.945
207.50N	1.503	.120
222.50N	.465	-.427
237.50N	-1.707	.717
252.50N	2.486	3.251
267.50N	1.863	2.308
282.50N	-6.572	-2.249
297.50N	-8.436	-4.198
312.50N	-4.917	-2.963
327.50N	-5.269	-2.256
342.50N	-2.277	-1.667
357.50N	4.950	-.677
372.50N	3.656	-1.069
387.50N	-1.149	-1.651
402.50N	3.907	.119
417.50N	12.732	3.138
432.50N	14.586	4.378
447.50N	9.262	2.227
462.50N	-.253	-2.271
477.50N	-8.572	-5.886
492.50N	-7.306	-5.473
507.50N	.245	-1.839
522.50N	1.061	1.111
537.50N	-2.240	2.667
552.50N	.271	4.004
567.50N	3.579	3.668

GRID: 1. LINE: 1200.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	4.189	.124
362.50S	-.523	-.244
347.50S	.148	-1.401
332.50S	.999	-2.440
317.50S	1.111	-2.475
302.50S	6.946	-1.528
287.50S	14.340	.033
272.50S	13.863	1.567
257.50S	7.386	2.023
242.50S	1.831	.591
227.50S	-.700	-2.234
212.50S	-3.369	-4.045
197.50S	-8.210	-3.509
182.50S	-10.819	-2.759
167.50S	-6.746	-2.174
152.50S	1.387	.119
137.50S	4.295	.693
122.50S	-2.280	-3.267
107.50S	-8.751	-5.412
92.50S	-6.614	-2.174
77.50S	-.301	.798
62.50S	-.339	-.530
47.50S	-7.032	-3.402
32.50S	-5.357	-2.444
17.50S	3.411	.338
2.50S	1.186	-1.998
12.50N	.270	-4.377
27.50N	17.951	.818
42.50N	29.863	6.065
57.50N	19.746	4.208
72.50N	6.734	-.615
87.50N	-1.642	-4.779
102.50N	-9.663	-6.984
117.50N	-7.970	-4.064
132.50N	3.083	1.784
147.50N	5.987	3.252
162.50N	-.975	.882
177.50N	-6.137	-.233
192.50N	-7.578	-.953
207.50N	-7.068	-1.631
222.50N	-3.276	.710
237.50N	1.313	3.340
252.50N	1.850	1.235
267.50N	-2.023	-3.775
282.50N	-5.556	-6.319
297.50N	-3.797	-3.713
312.50N	1.838	2.005
327.50N	5.956	6.069
342.50N	6.391	5.327
357.50N	5.497	1.849
372.50N	5.610	.138
387.50N	2.980	-.985
402.50N	-3.102	-3.278
417.50N	-1.783	-1.519
432.50N	8.643	3.983
447.50N	14.172	4.705
462.50N	9.084	1.176
477.50N	.465	-.350
492.50N	-4.490	-1.267
507.50N	-5.305	-3.494
522.50N	-5.973	-4.129
537.50N	-6.205	-2.569
552.50N	-5.298	-.871
567.50N	1.041	.540

GRID: 1. LINE: 1100.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	.727	-1.299
362.50S	-4.875	-1.608
347.50S	-2.496	.401
332.50S	3.548	1.821
317.50S	4.564	.779
302.50S	-1.212	-.979
287.50S	-3.790	-2.467
272.50S	3.691	-2.912
257.50S	10.677	.168
242.50S	9.231	4.812
227.50S	4.753	4.859
212.50S	-1.289	.483
197.50S	-9.241	-5.300
182.50S	-11.583	-4.911
167.50S	-9.703	-4.850
152.50S	-12.636	-3.567
137.50S	-8.805	-3.061
122.50S	-5.599	-3.991
107.50S	-50.864	-2.779
92.50S	-76.329	2.431
77.50S	37.691	7.335
62.50S	127.429	4.992
47.50S	45.311	-3.460
32.50S	-31.316	-7.949
17.50S	-22.153	-6.147
2.50S	-4.478	-3.624
12.50N	6.529	-2.533
27.50N	14.131	-2.322
42.50N	14.209	-2.711
57.50N	7.796	-4.303
72.50N	.337	-7.202
87.50N	-3.987	-8.409
102.50N	-4.034	-5.648
117.50N	-.483	-1.962
132.50N	3.149	-.232
147.50N	2.468	.233
162.50N	-2.211	-.413
177.50N	-6.056	-1.709
192.50N	-4.884	-.600
207.50N	-.024	2.944
222.50N	2.510	4.467
237.50N	-.788	2.167
252.50N	-5.418	-.931
267.50N	-2.124	-.681
282.50N	5.037	2.924
297.50N	2.285	5.467
312.50N	-2.695	4.310
327.50N	3.465	1.576
342.50N	8.872	1.558
357.50N	3.917	3.368
372.50N	-1.928	1.855
387.50N	.242	-1.017
402.50N	4.280	-.079
417.50N	8.229	2.545
432.50N	9.114	2.629
447.50N	5.083	.231
462.50N	2.198	-1.666
477.50N	4.454	-1.199
492.50N	3.114	-.063
507.50N	-3.173	.150
522.50N	-3.490	.078
537.50N	.052	-.264
552.50N	-2.392	-1.377

GRID: 1. LINE: 1000.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
327.50S	2.908	-1.040
312.50S	-4.864	-2.112
297.50S	-10.607	-2.431
282.50S	-6.252	-2.730
267.50S	4.075	-2.283
252.50S	6.793	.689
237.50S	5.086	3.735
222.50S	8.100	3.698
207.50S	7.333	2.462
192.50S	-2.029	.237
177.50S	-8.201	-5.475
162.50S	-3.403	-9.628
147.50S	6.183	-5.838
132.50S	8.309	1.703
117.50S	3.661	6.029
102.50S	4.296	5.675
87.50S	6.179	2.360
72.50S	-1.000	-.923
57.50S	-9.615	-1.375
42.50S	-12.418	-.825
27.50S	-13.290	-3.317
12.50S	-9.107	-5.393
2.50N	1.605	-3.017
17.50N	5.394	-1.680
32.50N	7.623	-1.177
47.50N	28.974	5.222
62.50N	45.571	6.539
77.50N	26.545	-6.455
92.50N	.143	-14.193
107.50N	-6.748	-10.043
122.50N	-9.640	-13.767
137.50N	-18.223	-21.350
152.50N	-23.653	-15.274
167.50N	-19.657	-3.801
182.50N	-9.356	1.965
197.50N	-.944	6.448
212.50N	1.806	10.679
227.50N	2.077	11.048
242.50N	4.499	9.590
257.50N	5.736	7.426
272.50N	-2.209	2.098
287.50N	-14.351	-3.185
302.50N	-16.637	-2.870
317.50N	-4.693	1.497
332.50N	6.211	3.840
347.50N	-1.537	.848
362.50N	-12.121	-3.393
377.50N	-2.799	-2.855
392.50N	12.184	1.939
407.50N	15.465	5.681
422.50N	12.724	4.542
437.50N	8.757	.745
452.50N	4.491	-.696
467.50N	6.172	1.171
482.50N	9.021	1.743
497.50N	-.245	-3.011
512.50N	-11.570	-7.078
527.50N	-7.407	-3.325

GRID: 1. LINE: 500.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	-1.664	.468
287.50S	3.782	6.698
272.50S	-1.812	3.442
257.50S	-10.450	-3.367
242.50S	-16.080	-8.688
227.50S	-22.056	-15.662
212.50S	-22.805	-22.315
197.50S	-12.658	-22.439
182.50S	-2.691	-15.581
167.50S	.658	-6.018
152.50S	5.081	1.971
137.50S	9.878	6.695
122.50S	8.504	7.879
107.50S	4.223	4.863
92.50S	.601	-.131
77.50S	-3.854	-2.649
62.50S	-4.860	-2.838
47.50S	.127	-3.657
32.50S	1.277	-4.890
17.50S	-3.592	-4.890
2.50S	-3.065	-3.658
12.50N	3.623	-2.836
27.50N	9.297	-2.646
42.50N	15.321	-.356
57.50N	21.070	2.945
72.50N	19.663	2.142
87.50N	13.058	-1.538
102.50N	6.576	-3.946
117.50N	-3.194	-6.559
132.50N	-12.085	-8.258
147.50N	-7.991	-3.815
162.50N	.763	2.973
177.50N	-1.018	4.338
192.50N	-6.183	1.698
207.50N	-4.243	.367
222.50N	1.216	1.892
237.50N	3.685	4.350
252.50N	2.125	5.200
267.50N	.584	4.044
282.50N	1.595	2.967
297.50N	3.392	3.199
312.50N	4.798	.539
327.50N	4.229	-7.517
342.50N	-2.303	-13.868
357.50N	-12.218	-13.196
372.50N	-15.581	-8.971
387.50N	-8.758	-4.991
402.50N	1.330	-1.842
417.50N	4.455	.759
432.50N	-1.426	1.893
447.50N	-8.048	.368
462.50N	-8.066	-1.596
477.50N	-2.421	-1.253
492.50N	1.542	-.041
507.50N	1.106	.155
522.50N	.395	-.040
537.50N	-1.339	-.022
552.50N	-5.931	.014
567.50N	-7.289	.000

GRID: 1. LINE: 400.W TX FREQUENCY: 24.8 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	-7.216	-2.182
262.50S	-8.345	-4.011
247.50S	-5.559	-3.521
232.50S	-3.199	-3.221
217.50S	-7.799	-6.012
202.50S	-19.062	-11.832
187.50S	-24.401	-18.962
172.50S	-15.549	-23.322
157.50S	-4.495	-19.128
142.50S	.160	-7.601
127.50S	5.520	2.427
112.50S	13.215	6.550
97.50S	15.949	6.263
82.50S	9.747	2.850
67.50S	-.305	-2.699
52.50S	-5.349	-7.788
37.50S	-5.446	-7.897
22.50S	-5.015	-2.480
7.50S	-1.904	1.181
7.50N	4.251	-.748
22.50N	8.319	-3.690
37.50N	10.283	-4.745
52.50N	12.676	-4.857
67.50N	12.569	-4.406
82.50N	9.165	-2.916
97.50N	7.509	.138
112.50N	9.684	4.932
127.50N	10.803	7.641
142.50N	3.951	.826
157.50N	-6.694	-10.785
172.50N	-8.748	-11.543
187.50N	-4.193	-.951
202.50N	-3.113	8.442
217.50N	-3.964	10.881
232.50N	-1.321	8.562
247.50N	3.671	5.776
262.50N	5.656	5.250
277.50N	2.974	6.312
292.50N	1.314	6.011
307.50N	1.298	1.686
322.50N	-2.489	-5.687
337.50N	-3.845	-9.978
352.50N	2.926	-8.016
367.50N	4.657	-6.508
382.50N	-4.120	-9.884
397.50N	-9.748	-13.081
412.50N	-7.660	-10.812
427.50N	-5.196	-4.573
442.50N	-5.287	-1.156
457.50N	-4.666	-1.232
472.50N	-.454	1.531
487.50N	2.937	5.598
502.50N	.934	5.046
517.50N	-1.637	1.853
532.50N	-1.004	.275
547.50N	-.667	.218
562.50N	-2.284	-.494
577.50N	-3.996	-2.778

GRID: 1. LINE: 900.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	3.785	2.050
262.50S	5.293	1.804
247.50S	12.341	6.012
232.50S	7.003	5.999
217.50S	-9.590	-.875
202.50S	-12.415	-5.546
187.50S	-3.891	-5.005
172.50S	-3.055	-3.308
157.50S	-4.807	-1.352
142.50S	-.514	1.313
127.50S	4.401	3.558
112.50S	7.957	4.644
97.50S	11.881	4.869
82.50S	12.008	4.559
67.50S	7.396	2.873
52.50S	3.740	-.847
37.50S	1.572	-3.630
22.50S	-2.883	-2.428
7.50S	-8.434	.610
7.50N	-7.248	2.049
22.50N	3.450	.907
37.50N	4.676	-2.634
52.50N	-13.804	-4.995
67.50N	-23.158	.725
82.50N	-11.469	11.431
97.50N	-4.160	14.291
112.50N	-2.912	7.696
127.50N	6.688	2.671
142.50N	13.270	7.184
157.50N	8.934	12.917
172.50N	5.948	5.120
187.50N	4.808	-7.638
202.50N	.683	-8.150
217.50N	4.717	-1.678
232.50N	14.971	2.047
247.50N	11.428	4.097
262.50N	-.473	3.103
277.50N	-1.088	-2.433
292.50N	5.430	-5.334
307.50N	5.345	-2.248
322.50N	-1.892	1.073
337.50N	-2.988	2.945
352.50N	6.307	4.371
367.50N	6.453	1.457
382.50N	-6.228	-4.071
397.50N	-9.443	-3.707
412.50N	-3.195	.944
427.50N	-3.229	1.845
442.50N	-6.014	-1.103
457.50N	-6.059	-3.869
472.50N	-8.311	-4.411
487.50N	-9.471	-1.807
502.50N	-3.806	2.289
517.50N	1.190	3.026
532.50N	-.596	-.411
547.50N	-4.281	-3.208
562.50N	-6.056	-3.427

GRID: 1. LINE: 800.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	-3.576	1.052
237.50S	.789	2.029
222.50S	4.508	1.333
207.50S	-3.159	-1.308
192.50S	-14.624	-3.705
177.50S	-8.240	-3.073
162.50S	6.512	-.409
147.50S	7.964	1.601
132.50S	4.929	2.846
117.50S	4.871	2.304
102.50S	-3.057	-1.867
87.50S	-12.332	-5.478
72.50S	-9.449	-3.579
57.50S	-3.983	.629
42.50S	-5.085	2.175
27.50S	-4.665	1.133
12.50S	3.055	.809
2.50N	12.216	2.789
17.50N	11.891	4.007
32.50N	-1.219	1.269
47.50N	-17.396	-3.858
62.50N	-22.311	-5.149
77.50N	-12.781	.777
92.50N	-2.996	8.363
107.50N	-1.198	11.430
122.50N	.718	10.106
137.50N	6.964	7.583
152.50N	11.426	5.735
167.50N	7.595	3.583
182.50N	1.404	1.135
197.50N	4.834	.160
212.50N	10.376	-.750
227.50N	5.373	-3.023
242.50N	-.783	-3.114
257.50N	2.246	.479
272.50N	8.668	3.825
287.50N	10.637	4.438
302.50N	6.802	2.382
317.50N	.795	-2.177
332.50N	-3.490	-5.508
347.50N	-5.050	-2.516
362.50N	-4.709	3.324
377.50N	-3.454	4.442
392.50N	-1.485	.435
407.50N	1.369	-3.226
422.50N	3.618	-2.655
437.50N	.472	-1.382
452.50N	-7.027	-2.932
467.50N	-6.524	-2.003
482.50N	3.758	4.066
497.50N	9.228	8.610
512.50N	4.679	5.760
527.50N	-1.748	-1.842
542.50N	-3.190	-5.026
557.50N	-1.537	-2.373
572.50N	-3.519	-2.385

GRID: 1. LINE: 700.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
240.00S	6.716	4.070
225.00S	3.563	3.376
210.00S	.563	3.737
195.00S	3.669	1.783
180.00S	2.759	.272
165.00S	-1.446	2.197
150.00S	1.393	5.595
135.00S	3.183	4.944
120.00S	-3.592	-.744
105.00S	-6.770	-4.703
90.00S	-2.476	-2.782
75.00S	-1.274	1.053
60.00S	-5.369	-.230
45.00S	-7.215	-5.808
30.00S	-1.744	-5.879
15.00S	3.896	-.130
.00N	1.042	2.816
15.00N	-1.656	3.536
30.00N	-1.398	4.160
45.00N	-13.906	.022
60.00N	-29.677	-3.993
75.00N	-22.634	1.175
90.00N	-3.949	6.571
105.00N	4.521	3.873
120.00N	7.710	2.993
135.00N	9.852	7.275
150.00N	5.989	8.067
165.00N	2.172	4.512
180.00N	4.304	1.211
195.00N	5.264	-1.023
210.00N	1.389	-1.866
225.00N	-1.940	-.960
240.00N	-1.573	-1.175
255.00N	.863	-3.237
270.00N	2.506	-2.693

GRID: 1. LINE: 600.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
190.00S	-2.989	-.990
175.00S	6.968	.226
160.00S	5.805	.254
145.00S	-4.779	.032
130.00S	-12.838	-1.719
115.00S	-9.447	-3.757
100.00S	1.412	-2.850
85.00S	5.537	.424
70.00S	.260	3.497
55.00S	.697	5.290
40.00S	5.200	4.407
25.00S	-1.644	.079
10.00S	-12.125	-4.577
5.00N	-12.597	-5.424
20.00N	-8.278	-1.391
35.00N	-4.768	5.726
50.00N	-2.156	10.501
65.00N	-6.910	4.559
80.00N	-17.362	-8.635
95.00N	-17.231	-11.423
110.00N	-6.967	-1.326
125.00N	-1.863	7.211
140.00N	.639	9.598
155.00N	7.158	8.282
170.00N	9.393	1.935

GRID: 1. LINE: 100.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
47.50N	1.906	4.643
62.50N	8.106	12.722
77.50N	2.667	15.255
92.50N	-2.237	14.466
107.50N	3.556	16.181
122.50N	11.720	20.590
137.50N	8.150	17.708
152.50N	-7.095	3.185
167.50N	-14.889	-8.230
182.50N	-9.699	-9.208
197.50N	-8.611	-10.239
212.50N	-15.477	-12.384
227.50N	-20.460	-10.249
242.50N	-21.362	-9.394
257.50N	-15.716	-10.172
272.50N	-.158	-3.782
287.50N	11.271	3.722
302.50N	6.467	2.211
317.50N	.539	.035
332.50N	1.689	2.271
347.50N	-3.543	-.358
362.50N	-13.950	-8.276
377.50N	-15.816	-11.347
392.50N	-8.978	-4.642
407.50N	-2.523	5.032
422.50N	-3.338	6.593
437.50N	-12.499	1.137
452.50N	-17.298	-.308
467.50N	2.925	7.422
482.50N	28.351	13.123
497.50N	14.442	3.002
512.50N	-12.741	-7.784
527.50N	-5.635	-1.251
542.50N	7.382	4.725
557.50N	-1.031	-1.637
572.50N	-5.667	-3.557

GRID: 1. LINE: 700.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
322.50N	8.504	5.365
337.50N	11.136	2.559
352.50N	3.590	.612
367.50N	-4.195	.767
382.50N	-3.818	1.718
397.50N	.066	.679
412.50N	1.798	-2.043
427.50N	2.045	-3.080
442.50N	4.942	-.023
457.50N	7.603	4.904
472.50N	2.512	6.223
487.50N	-4.278	1.880
502.50N	-3.576	-4.014
517.50N	-2.118	-5.016
532.50N	-4.888	-2.154
547.50N	-5.423	-2.807
562.50N	-3.616	-5.757
577.50N	-4.767	-4.946

GRID: 1. LINE: 600.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
222.50N	-1.568	-.308
237.50N	6.349	1.741
252.50N	9.032	1.364
267.50N	.901	-.762
282.50N	-9.000	-1.902
297.50N	-4.831	-.380
312.50N	5.411	1.619
327.50N	4.255	1.292

GRID: 1. LINE: 300.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	1.855	.109
262.50S	-3.019	-2.621
247.50S	-2.431	.772
232.50S	-.712	2.642
217.50S	-1.484	-.085
202.50S	-1.833	.061
187.50S	.276	3.992
172.50S	5.125	6.607
157.50S	13.173	7.900
142.50S	16.850	8.973
127.50S	7.366	8.592
112.50S	-1.673	7.700
97.50S	3.545	7.387
82.50S	6.571	5.209
67.50S	-1.318	1.845
52.50S	-3.892	1.875
37.50S	.031	3.686
22.50S	-.038	2.454
7.50S	.153	-.671
7.50N	2.477	-2.046
22.50N	-1.302	-1.137
37.50N	-6.684	-.808
52.50N	-4.568	-1.795
67.50N	-1.752	.477
82.50N	-4.908	4.605
97.50N	-8.333	3.091
112.50N	-6.092	-.042
127.50N	-.804	1.815
142.50N	-1.023	1.257
157.50N	-6.206	-3.712
172.50N	-5.647	-2.729
187.50N	1.552	2.852
202.50N	6.480	3.109
217.50N	4.447	-1.774
232.50N	-1.922	-5.791
247.50N	-7.152	-6.281
262.50N	-9.492	-5.416
277.50N	-9.943	-6.024
292.50N	-7.936	-7.173

GRID: 1. LINE: 200.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	9.710	-3.343
287.50S	13.072	-.651
272.50S	6.636	6.540
257.50S	5.292	9.323
242.50S	11.619	5.357
227.50S	8.321	3.232
212.50S	-.902	3.602
197.50S	.524	2.976
182.50S	8.283	6.086
167.50S	7.637	9.142
152.50S	-4.310	.476
137.50S	-11.217	-8.946
122.50S	.040	-2.075
107.50S	15.974	10.940
92.50S	19.316	14.383
77.50S	10.876	9.136
62.50S	2.468	3.982
47.50S	1.924	3.464
32.50S	4.651	3.476
17.50S	5.193	1.412
2.50S	4.414	.778
12.50N	1.260	1.947
27.50N	-3.926	2.499
42.50N	-3.796	3.275
57.50N	1.413	6.071
72.50N	1.993	9.848
87.50N	-.654	10.464
102.50N	-1.765	4.430
117.50N	-9.261	-6.424
132.50N	-20.166	-13.727
147.50N	-17.361	-10.186
162.50N	-5.916	-2.298
177.50N	-3.455	-.437
192.50N	-7.602	-1.986
207.50N	-5.604	-.826
222.50N	5.375	2.360
237.50N	12.399	3.915
252.50N	6.221	2.241
267.50N	-.815	-.487
282.50N	-1.779	-2.060
297.50N	-5.680	-2.568
312.50N	-8.270	-2.145
327.50N	-1.063	-.942
342.50N	4.503	-.360
357.50N	-1.083	-1.792
372.50N	-9.843	-4.743
387.50N	-12.959	-6.159
402.50N	-10.335	-3.485
417.50N	-7.312	1.824
432.50N	-4.877	5.739
447.50N	.103	5.532
462.50N	1.825	2.799
477.50N	-4.891	.728
492.50N	-9.867	-.227
507.50N	-5.397	.036
522.50N	2.239	2.191
537.50N	6.170	3.826
552.50N	5.014	2.305
567.50N	.230	-.505

GRID: 1. LINE: 101.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	7.718	2.441
237.50S	11.363	1.109
222.50S	11.576	2.824
207.50S	6.067	3.469
192.50S	.527	1.436
177.50S	3.453	.739
162.50S	9.373	1.994
147.50S	7.559	2.593
132.50S	.634	2.488
117.50S	-3.575	2.338
102.50S	-2.537	2.039
87.50S	2.674	3.178
72.50S	8.649	6.646
57.50S	10.838	9.297
42.50S	8.646	7.975
27.50S	6.470	3.739
12.50S	8.030	1.399
2.50N	12.864	3.844

GRID: 1. LINE: 0.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
252.50S	4.831	7.316
237.50S	9.988	8.136
222.50S	15.816	4.224
207.50S	17.706	-.142
192.50S	13.963	-.358
177.50S	8.420	2.939
162.50S	5.783	6.685
147.50S	5.307	7.887
132.50S	.585	4.978
117.50S	-5.859	-.171
102.50S	-3.686	-3.705
87.50S	1.759	-4.799
72.50S	-.191	-4.906
57.50S	-2.934	-4.164
42.50S	.094	-2.986
27.50S	4.572	-2.043
12.50S	11.407	1.236
2.50N	20.717	7.457
17.50N	20.247	10.116
32.50N	8.895	7.024
47.50N	2.493	4.908
62.50N	3.400	7.709
77.50N	1.499	13.059
92.50N	-4.617	16.766
107.50N	-8.102	15.131
122.50N	-4.947	8.018
137.50N	-2.845	2.040
152.50N	-7.311	2.300
167.50N	-6.838	3.924
182.50N	3.808	3.366
197.50N	11.753	3.193
212.50N	7.857	.462
227.50N	-2.521	-5.624
242.50N	-6.844	-3.832
257.50N	-3.105	4.165
272.50N	-2.014	1.229
287.50N	-6.768	-8.310
302.50N	-9.899	-8.019
317.50N	-5.545	-1.156
332.50N	1.165	1.851
347.50N	-.417	-.382
362.50N	-7.939	-4.334
377.50N	-10.890	-6.690
392.50N	-8.081	-6.377
407.50N	-7.831	-3.475
422.50N	-14.390	1.540
437.50N	-13.326	6.506
452.50N	2.699	7.098
467.50N	8.985	.123
482.50N	-1.330	-5.956
497.50N	-2.375	.924
512.50N	5.099	9.087
527.50N	2.419	2.818
542.50N	-3.404	-5.018
557.50N	-2.068	-.970
572.50N	.463	7.899

GRID: 1. LINE: 1300.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-2.275	-5.238
362.50S	-7.813	-9.142
347.50S	-13.837	-10.455
332.50S	-13.038	-6.361
317.50S	-6.251	1.442
302.50S	-3.087	6.981
287.50S	-3.383	5.976
272.50S	.104	1.030
257.50S	6.904	.258
242.50S	10.569	4.425
227.50S	6.723	5.079
212.50S	-1.613	.354
197.50S	-6.639	-3.672
182.50S	-3.114	-2.531
167.50S	7.445	4.361
152.50S	15.548	11.394
137.50S	6.803	4.232
122.50S	-17.458	-17.316
107.50S	-29.524	-24.546
92.50S	-15.792	-8.031
77.50S	3.642	5.680
62.50S	8.285	4.776
47.50S	1.142	.926
32.50S	3.073	3.073
17.50S	14.056	8.957
2.50S	10.151	10.313
12.50N	-5.662	4.325
27.50N	-10.861	-3.251
42.50N	-3.384	-4.368
57.50N	6.080	1.567
72.50N	10.242	6.816
87.50N	5.583	6.278
102.50N	-3.683	1.553
117.50N	-5.568	-2.658
132.50N	.582	-2.681
147.50N	1.773	.487
162.50N	-3.652	.338
177.50N	-6.062	-5.041
192.50N	-2.214	-6.149
207.50N	.588	-1.150
222.50N	-4.093	-.388
237.50N	-4.647	-2.804
252.50N	6.561	-.924
267.50N	9.101	1.027
282.50N	-1.716	-.790
297.50N	-2.816	-1.720
312.50N	2.253	-.410
327.50N	-2.467	.248
342.50N	-3.144	-.064
357.50N	5.526	-.025
372.50N	4.407	.883
387.50N	-2.931	2.326
402.50N	-.913	2.841
417.50N	.818	.515
432.50N	-7.209	-3.041
447.50N	-14.262	-3.868
462.50N	-9.656	-3.223
477.50N	2.915	-3.882
492.50N	9.354	-2.787
507.50N	7.618	2.411
522.50N	8.805	7.403
537.50N	7.789	4.784
552.50N	-3.618	-4.754
567.50N	-10.256	-7.938

GRID: 1. LINE: 1200.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-.428	-.683
362.50S	.483	-5.091
347.50S	2.223	-2.329
332.50S	-2.017	3.353
317.50S	-8.175	4.582
302.50S	-5.224	-.257
287.50S	-2.456	-5.711
272.50S	-12.517	-6.452
257.50S	-21.445	-4.402
242.50S	-15.973	-2.712
227.50S	-3.665	-.719
212.50S	6.168	2.534
197.50S	9.928	5.678
182.50S	6.199	5.910
167.50S	.602	3.734
152.50S	2.085	3.067
137.50S	7.892	4.558
122.50S	8.178	5.258
107.50S	1.162	3.179
92.50S	-6.396	-.722
77.50S	-7.373	-3.217
62.50S	-2.914	-1.510
47.50S	.978	2.434
32.50S	2.563	2.180
17.50S	4.382	-.173
2.50S	6.696	3.596
12.50N	1.107	5.186
27.50N	-15.297	-5.427
42.50N	-26.175	-14.850
57.50N	-18.907	-10.552
72.50N	-2.284	.575
87.50N	4.900	7.751
102.50N	-1.860	7.545
117.50N	-3.337	3.856
132.50N	5.570	.799
147.50N	5.890	-1.257
162.50N	-1.627	-1.809
177.50N	-.868	.121
192.50N	6.904	3.208
207.50N	8.786	2.382
222.50N	-.323	-4.890
237.50N	-7.527	-7.899
252.50N	-2.577	-.426
267.50N	1.024	1.465
282.50N	-3.197	-6.179
297.50N	-2.401	-5.487
312.50N	1.946	1.221
327.50N	-.267	-.014
342.50N	-2.943	-2.556
357.50N	.096	-.081
372.50N	3.554	.254
387.50N	5.186	-.401
402.50N	5.514	3.238
417.50N	.632	4.735
432.50N	-5.920	.406
447.50N	-4.368	-2.878
462.50N	-.829	-2.648
477.50N	-3.543	-1.227
492.50N	-.853	2.253
507.50N	8.331	5.363
522.50N	6.697	2.366
537.50N	-.517	-2.952
552.50N	2.602	-2.864
567.50N	7.763	1.046

GRID: 1. LINE: 1100.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	7.362	1.415
362.50S	11.700	.209
347.50S	1.432	-.180
332.50S	-5.110	.461
317.50S	1.849	1.875
302.50S	7.898	3.533
287.50S	8.002	4.336
272.50S	4.485	2.533
257.50S	-10.025	-2.418
242.50S	-23.120	-5.458
227.50S	-7.387	-.312
212.50S	20.851	7.186
197.50S	26.930	7.764
182.50S	17.310	4.933
167.50S	8.975	6.410
152.50S	13.897	14.673
137.50S	70.890	29.427
122.50S	111.092	40.703
107.50S	-79.942	26.828
92.50S	-355.680	-17.160
77.50S	-263.323	-59.404
62.50S	83.589	-48.583
47.50S	215.082	.497
32.50S	125.314	18.848
17.50S	49.800	10.184
2.50S	22.705	5.783
12.50N	4.714	2.807
27.50N	-1.321	.486
42.50N	-4.612	.667
57.50N	-12.158	1.778
72.50N	-13.386	1.631
87.50N	-9.117	.068
102.50N	-8.221	-1.550
117.50N	-7.654	-2.693
132.50N	-6.409	-4.347
147.50N	-10.026	-6.660
162.50N	-10.180	-5.422
177.50N	.050	.291
192.50N	4.402	1.831
207.50N	-1.804	-1.826
222.50N	-1.190	-.897
237.50N	3.047	2.489
252.50N	-2.167	-.141
267.50N	-6.222	-4.845
282.50N	-1.485	-5.278
297.50N	1.030	-2.720
312.50N	-1.260	-.400
327.50N	-1.518	.271
342.50N	-.125	-.483
357.50N	-1.755	-1.887
372.50N	-7.027	-3.426
387.50N	-10.009	-4.653
402.50N	-7.701	-5.012
417.50N	-7.469	-3.920
432.50N	-9.645	-1.068
447.50N	-5.397	2.545
462.50N	-1.493	3.580
477.50N	-7.253	.671
492.50N	-10.043	-1.846
507.50N	-.579	-.881
522.50N	10.403	1.278
537.50N	12.453	2.000
552.50N	6.212	1.073

GRID: 1. LINE: 1000.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
327.50S	1.272	.558
312.50S	2.880	4.169
297.50S	-.860	5.331
282.50S	-2.538	3.670
267.50S	2.052	1.078
252.50S	6.221	-.773
237.50S	3.187	-2.957
222.50S	-5.447	-5.674
207.50S	-10.557	-4.826
192.50S	-7.057	-.108
177.50S	.075	2.859
162.50S	2.999	2.517
147.50S	-.511	1.091
132.50S	-4.307	-1.404
117.50S	-1.393	-3.623
102.50S	8.255	-2.168
87.50S	17.060	1.826
72.50S	17.732	4.313
57.50S	11.343	4.330
42.50S	3.052	2.962
27.50S	-1.014	1.730
12.50S	8.772	3.433
2.50N	26.180	7.257
17.50N	19.936	6.217
32.50N	-11.891	.926
47.50N	-30.608	2.017
62.50N	-24.076	12.000
77.50N	-10.563	21.983
92.50N	1.102	22.858
107.50N	11.055	15.871
122.50N	18.716	11.479
137.50N	23.369	15.143
152.50N	23.597	18.199
167.50N	17.014	4.636
182.50N	4.909	-19.378
197.50N	-5.753	-27.008
212.50N	-6.927	-15.615
227.50N	1.573	-4.215
242.50N	9.374	-.679
257.50N	12.400	.425
272.50N	16.646	5.250
287.50N	18.698	9.733
302.50N	11.264	6.187
317.50N	.235	-3.111
332.50N	-3.785	-7.640
347.50N	-.102	-1.649
362.50N	-2.032	2.708
377.50N	-16.150	-5.074
392.50N	-24.430	-10.982
407.50N	-13.453	-4.477
422.50N	4.630	3.656
437.50N	9.207	3.182
452.50N	-2.723	-1.898
467.50N	-9.127	.843
482.50N	-1.252	9.115
497.50N	3.192	6.951
512.50N	-1.536	-1.339
527.50N	-5.983	-.600

GRID: 1. LINE: 500.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	-6.752	12.295
287.50S	-2.566	11.937
272.50S	11.666	-20.062
257.50S	11.347	-31.051
242.50S	7.714	-10.090
227.50S	38.570	-11.156
212.50S	59.469	-18.374
197.50S	19.405	9.392
182.50S	-18.448	26.314
167.50S	-14.960	4.748
152.50S	-21.784	-5.191
137.50S	-39.311	19.854
122.50S	-27.364	48.317
107.50S	-2.582	45.127
92.50S	4.878	15.633
77.50S	-.875	-2.829
62.50S	-5.081	-1.037
47.50S	-2.125	3.580
32.50S	2.755	5.718
17.50S	4.731	6.510
2.50S	4.663	3.551
12.50N	.754	-1.742
27.50N	-8.728	-5.596
42.50N	-18.017	-7.813
57.50N	-19.132	-7.099
72.50N	-10.867	-1.001
87.50N	-2.632	5.110
102.50N	-1.140	5.024
117.50N	1.602	3.019
132.50N	8.076	3.870
147.50N	7.964	4.719
162.50N	1.143	1.323
177.50N	-3.647	-5.144
192.50N	-4.911	-7.763
207.50N	-4.773	-4.578
222.50N	-3.140	-1.273
237.50N	.037	.425
252.50N	2.195	1.775
267.50N	-.973	.053
282.50N	-8.493	-4.758
297.50N	-13.217	-6.610
312.50N	-10.940	-1.173
327.50N	-3.601	8.202
342.50N	3.846	12.425
357.50N	6.463	9.550
372.50N	3.575	6.459
387.50N	2.243	3.499
402.50N	6.983	-1.361
417.50N	10.068	-1.785
432.50N	7.107	1.913
447.50N	3.449	-.021
462.50N	-1.607	-4.860
477.50N	-7.325	-3.707
492.50N	-.418	-.253
507.50N	15.200	.497
522.50N	15.314	1.019
537.50N	-.158	1.773
552.50N	-10.546	1.064
567.50N	-8.080	.582

GRID: 1. LINE: 400.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
277.50S	9.540	-3.582
262.50S	.824	-.547
247.50S	1.331	-4.984
232.50S	2.053	-4.376
217.50S	.113	4.237
202.50S	5.978	7.575
187.50S	16.619	7.774
172.50S	18.500	14.435
157.50S	9.637	19.607
142.50S	1.396	16.932
127.50S	1.906	12.445
112.50S	-4.175	4.684
97.50S	-26.620	-8.925
82.50S	-37.399	-16.483
67.50S	-20.052	-10.998
52.50S	3.366	-1.498
37.50S	14.533	3.850
22.50S	13.718	5.033
7.50S	6.532	5.524
7.50N	-1.820	6.507
22.50N	-7.216	6.196
37.50N	-5.284	5.329
52.50N	1.998	5.017
67.50N	2.733	2.452
82.50N	-6.858	-2.435
97.50N	-15.638	-5.120
112.50N	-15.271	-5.116
127.50N	-9.236	-4.854
142.50N	-6.528	-3.410
157.50N	-3.892	.719
172.50N	8.824	5.437
187.50N	16.986	5.248
202.50N	6.178	-1.251
217.50N	-1.607	-6.427
232.50N	3.621	-6.003
247.50N	.379	-4.602
262.50N	-10.329	-4.573
277.50N	-11.518	-4.730
292.50N	-8.550	-5.421
307.50N	-8.212	-4.602
322.50N	-4.377	1.231
337.50N	-.163	7.715
352.50N	-2.747	7.835
367.50N	-5.227	3.431
382.50N	1.643	2.855
397.50N	14.692	9.153
412.50N	19.440	9.674
427.50N	10.129	.225
442.50N	3.057	4.253
457.50N	6.010	18.375
472.50N	6.269	8.020
487.50N	1.445	-11.761
502.50N	-1.596	-7.964
517.50N	-5.413	-2.670
532.50N	-9.423	-11.279
547.50N	-6.048	-8.720
562.50N	-.306	5.563
577.50N	-2.233	10.299

GRID: 1. LINE: 1700.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
327.50S	-4.114	1.252
312.50S	-5.679	.509
297.50S	3.385	1.327
282.50S	6.949	2.062
267.50S	-1.500	.629
252.50S	-6.116	-2.477
237.50S	.319	-3.564
222.50S	8.470	-.720
207.50S	7.616	1.955
192.50S	-2.316	.853
177.50S	-11.403	-2.321
162.50S	-13.068	-3.989
147.50S	-6.928	-2.367
132.50S	4.803	.986
117.50S	11.101	1.921
102.50S	1.529	-1.872
87.50S	-8.143	-5.381
72.50S	-1.190	-3.460
57.50S	5.312	-.105
42.50S	.132	.393
27.50S	-2.088	-.645
12.50S	-.170	-3.016
2.50N	-3.068	-5.871
17.50N	-4.059	-3.938
32.50N	1.327	1.626
47.50N	4.482	2.338
62.50N	2.908	-1.298
77.50N	1.906	-2.871
92.50N	3.199	-2.750
107.50N	4.225	-2.190
122.50N	2.738	.668
137.50N	.951	3.717
152.50N	2.340	3.699
167.50N	5.575	2.708
182.50N	4.819	2.149
197.50N	-2.904	.167
212.50N	-8.677	-1.246
227.50N	-4.321	.350
242.50N	1.873	1.410
257.50N	1.284	.922
272.50N	-2.071	2.481
287.50N	-.746	2.830
302.50N	5.155	-2.127
317.50N	6.465	-6.033
332.50N	1.028	-4.077
347.50N	-2.093	-.817
362.50N	-.340	-.620
377.50N	2.679	-2.880
392.50N	7.300	-4.315
407.50N	10.155	-3.146
422.50N	4.840	-1.522
437.50N	-1.593	-3.652
452.50N	3.187	-7.723
467.50N	16.811	-3.617
482.50N	23.345	6.293
497.50N	11.531	6.667
512.50N	-4.656	.331
527.50N	-7.098	-.332
542.50N	-3.913	.682
557.50N	-5.271	-.679
572.50N	-5.708	2.025

GRID: 1. LINE: 1600.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-8.895	-1.539
362.50S	-13.148	.035
347.50S	-11.507	1.581
332.50S	-2.106	1.980
317.50S	7.589	.607
302.50S	7.985	-1.512
287.50S	4.934	-1.431
272.50S	3.763	.822
257.50S	-8.965	-.355
242.50S	-23.999	-4.557
227.50S	-11.810	-4.337
212.50S	5.536	-1.676
197.50S	-4.472	-2.585
182.50S	-11.073	-3.213
167.50S	3.104	-1.567
152.50S	4.998	-2.909
137.50S	-6.732	-5.735
122.50S	-4.981	-3.829
107.50S	8.581	2.135
92.50S	12.713	5.702
77.50S	-1.063	2.428
62.50S	-11.880	-3.293
47.50S	-1.012	-4.316
32.50S	13.002	-1.067
17.50S	12.425	1.415
2.50S	5.707	.403
12.50N	-.573	-1.509
27.50N	-5.395	-1.186
42.50N	-1.799	-.392
57.50N	8.885	.250
72.50N	13.318	2.655
87.50N	6.534	2.871
102.50N	-3.659	-1.265
117.50N	-7.814	-1.033
132.50N	-4.641	3.641
147.50N	-.322	1.209
162.50N	2.730	-3.958
177.50N	5.513	-.905
192.50N	5.586	3.544
207.50N	-.093	1.827
222.50N	-8.525	-1.335
237.50N	-7.011	-2.369
252.50N	3.313	-2.440
267.50N	2.317	-2.223
282.50N	-8.581	-2.447
297.50N	-5.870	-5.757
312.50N	2.796	-3.853
327.50N	-3.490	-1.724
342.50N	-8.044	-2.094
357.50N	.669	-5.148
372.50N	11.154	-4.629
387.50N	14.603	-.899
402.50N	14.921	-.602
417.50N	10.884	-.616
432.50N	3.514	-1.902
447.50N	.063	-1.681
462.50N	2.505	.076
477.50N	5.650	1.770
492.50N	5.579	1.149
507.50N	1.863	-1.156
522.50N	-1.202	-2.557
537.50N	-6.461	-3.058
552.50N	-13.327	-4.268
567.50N	-8.363	-1.443

GRID: 1. LINE: 1500.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-7.560	-1.983
362.50S	-17.621	-6.698
347.50S	-7.204	-1.927
332.50S	7.129	4.956
317.50S	6.724	3.465
302.50S	-2.801	-5.454
287.50S	-1.964	-7.372
272.50S	12.380	2.738
257.50S	13.711	4.595
242.50S	-5.550	-6.691
227.50S	-19.251	-9.349
212.50S	-20.589	-3.143
197.50S	-16.837	-2.273
182.50S	1.753	-.866
167.50S	25.893	5.539
152.50S	15.573	5.596
137.50S	-12.620	-5.281
122.50S	-20.499	-17.740
107.50S	-.664	-19.895
92.50S	19.475	-11.791
77.50S	14.864	-4.107
62.50S	2.329	.967
47.50S	4.717	6.238
32.50S	1.232	6.748
17.50S	-15.605	2.804
2.50S	-17.004	2.522
12.50N	-4.681	2.039
27.50N	-3.353	-4.092
42.50N	-9.948	-4.336
57.50N	-4.320	6.116
72.50N	18.842	13.275
87.50N	34.220	7.986
102.50N	20.376	-2.901
117.50N	-2.789	-5.234
132.50N	-15.104	2.413
147.50N	-20.557	6.594
162.50N	-13.592	2.368
177.50N	8.551	-2.823
192.50N	19.657	-1.993
207.50N	6.262	4.155
222.50N	-9.830	9.011
237.50N	-8.106	8.954
252.50N	7.235	5.472
267.50N	14.213	1.139
282.50N	5.912	-3.421
297.50N	-.742	-6.902
312.50N	2.809	-1.268
327.50N	8.991	12.348
342.50N	9.202	12.274
357.50N	3.143	-4.519
372.50N	-2.027	-12.656
387.50N	-1.475	-5.788
402.50N	2.274	.900
417.50N	2.691	.329
432.50N	-.308	-2.907
447.50N	-.907	-2.177
462.50N	-2.005	1.507
477.50N	-6.463	2.957
492.50N	-3.481	2.115
507.50N	6.103	2.380
522.50N	5.743	4.918
537.50N	-1.816	5.627
552.50N	-2.921	1.693
567.50N	-1.746	-1.750

GRID: 1. LINE: 1400.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
227.50S	1.909	-1.115
212.50S	2.933	.524
197.50S	-7.377	-2.233
182.50S	-10.836	-.627
167.50S	-1.651	5.582
152.50S	1.888	4.912
137.50S	-2.849	.113
122.50S	-3.252	1.165
107.50S	1.842	3.587
92.50S	3.817	1.622
77.50S	-1.385	-.670
62.50S	-3.177	.514
47.50S	5.976	3.294
32.50S	9.968	2.894
17.50S	2.707	-.451
2.50S	-2.989	-1.696
12.50N	-3.429	-.513
27.50N	-3.028	.102
42.50N	2.817	.741
57.50N	9.939	1.716
72.50N	4.533	.669
87.50N	-5.228	-2.027
102.50N	-3.740	-3.051
117.50N	.760	-.352
132.50N	-.345	3.032
147.50N	.543	2.534
162.50N	7.071	1.800
177.50N	12.717	5.524
192.50N	10.388	8.047
207.50N	1.806	4.517
222.50N	-3.661	-1.089
237.50N	-1.723	-3.975
252.50N	2.626	-3.583
267.50N	1.812	-2.559
282.50N	-2.075	-2.220
297.50N	-.391	-1.353
312.50N	1.721	-.500
327.50N	-3.531	-1.214
342.50N	-6.448	-2.833
357.50N	-1.243	-4.369
372.50N	2.865	-5.398
387.50N	3.128	-3.742
402.50N	3.784	1.002
417.50N	3.340	4.028
432.50N	-.593	3.383
447.50N	-5.295	2.563
462.50N	-5.662	1.609
477.50N	-1.357	-.675
492.50N	.639	-.490
507.50N	-.691	2.806
522.50N	1.117	3.604
537.50N	2.136	-.166
552.50N	-3.560	-4.788
567.50N	-7.233	-6.035

GRID: 1. LINE: 3000.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-.163	2.625
362.50S	-3.395	3.178
347.50S	3.109	-.873
332.50S	3.317	-3.368
317.50S	-5.708	-1.640
302.50S	-5.566	-.896
287.50S	1.205	-1.579
272.50S	.046	-.957
257.50S	-2.696	-1.464
242.50S	-.056	-3.410
227.50S	.925	-2.229
212.50S	-1.763	1.741
197.50S	-3.984	3.285
182.50S	-5.721	.097
167.50S	-4.550	-2.988
152.50S	3.766	.274
137.50S	10.941	4.933
122.50S	8.097	3.540
107.50S	3.412	.592
92.50S	1.477	-.569
77.50S	-4.433	-5.685
62.50S	-8.112	-4.659
47.50S	-1.134	1.184
32.50S	4.315	4.776
17.50S	-2.996	-1.400
2.50S	-15.777	-11.246
12.50N	-20.829	-14.048
27.50N	-14.639	-7.241
42.50N	-7.320	-.357
57.50N	-4.440	.806
72.50N	-.596	.973
87.50N	2.982	1.677
102.50N	2.117	.995
117.50N	2.012	.960
132.50N	3.116	1.583
147.50N	-1.677	-.641
162.50N	-6.209	-3.548
177.50N	-1.655	-3.526
192.50N	2.857	-3.733
207.50N	.120	-3.834
222.50N	-2.328	1.504
237.50N	.405	6.936
252.50N	5.771	5.651
267.50N	10.013	5.083
282.50N	7.775	7.147
297.50N	-4.925	1.466
312.50N	-22.253	-10.017
327.50N	-31.126	-15.215
342.50N	-22.811	-11.045
357.50N	-3.792	-3.291
372.50N	9.440	1.553
387.50N	11.371	2.293
402.50N	7.887	1.143
417.50N	3.659	-.826
432.50N	2.874	.136
447.50N	6.963	6.652
462.50N	5.560	7.292
477.50N	-6.375	-5.018
492.50N	-11.742	-12.466
507.50N	-5.435	-5.346
522.50N	2.604	2.043

GRID: 1. LINE: 2900.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	6.984	3.010
362.50S	1.113	-1.202
347.50S	-1.714	-2.441
332.50S	-3.909	-4.683
317.50S	-5.931	-7.608
302.50S	-5.226	-4.860
287.50S	-7.458	.612
272.50S	-15.423	.628
257.50S	-15.746	-4.240
242.50S	-4.115	-8.150
227.50S	3.834	-7.878
212.50S	-1.634	-5.275
197.50S	-12.683	-3.272
182.50S	-14.062	-1.189
167.50S	-5.410	1.246
152.50S	-1.942	1.766
137.50S	-5.977	.030
122.50S	-7.060	-1.751
107.50S	-1.118	-1.243
92.50S	8.260	3.158
77.50S	15.196	10.054
62.50S	15.246	11.432
47.50S	8.661	3.378
32.50S	.462	-4.454
17.50S	-5.915	-7.669
2.50S	-8.437	-12.884
12.50N	-5.425	-15.999
27.50N	1.076	-9.873
42.50N	-1.600	-3.149
57.50N	-10.802	-3.405
72.50N	-8.251	-5.412
87.50N	.652	-4.368
102.50N	.100	-1.701
117.50N	-1.627	-.878
132.50N	3.557	-1.578
147.50N	6.417	-.348
162.50N	2.256	1.396
177.50N	-2.776	.997
192.50N	-2.139	1.573
207.50N	2.207	3.374
222.50N	2.914	1.733
237.50N	1.417	-.833
252.50N	2.715	.262
267.50N	2.774	.798
282.50N	-2.297	-.844
297.50N	-8.593	.602
312.50N	-10.737	3.264
327.50N	-8.973	2.241
342.50N	-9.279	1.037
357.50N	-10.351	1.420
372.50N	-4.079	-.772
387.50N	4.402	-3.133
402.50N	5.289	-.927
417.50N	3.256	2.079
432.50N	5.620	2.839
447.50N	6.996	3.837
462.50N	.224	3.371
477.50N	-11.686	-.867
492.50N	-12.773	-3.625
507.50N	.048	-1.557
522.50N	9.987	1.244
537.50N	8.841	2.146
552.50N	2.385	1.180
567.50N	-3.411	-1.089

GRID: 1. LINE: 2800.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	1.272	1.256
362.50S	8.111	1.735
347.50S	10.238	.782
332.50S	9.403	1.676
317.50S	5.554	3.373
302.50S	-3.937	.156
287.50S	-10.923	-5.812
272.50S	-6.917	-6.986
257.50S	.081	-2.046
242.50S	.708	2.583
227.50S	-2.642	.730
212.50S	-3.471	-2.705
197.50S	-.445	-.936
182.50S	.568	.997
167.50S	-2.709	-.771
152.50S	-4.163	-1.061
137.50S	1.034	2.299
122.50S	7.362	4.753
107.50S	2.027	1.448
92.50S	-9.789	-4.153
77.50S	-8.152	-4.082
62.50S	.060	-2.295
47.50S	-2.674	-5.548
32.50S	-6.395	-6.743
17.50S	-1.436	-.966
2.50S	2.324	4.426
12.50N	.205	3.934
27.50N	-3.070	-.792
42.50N	-5.503	-5.535
57.50N	-6.677	-6.911
72.50N	-4.938	-4.389
87.50N	.420	-.487
102.50N	6.422	1.836
117.50N	7.025	1.771
132.50N	.709	-1.357
147.50N	-6.053	-6.740
162.50N	-4.743	-6.561
177.50N	4.420	2.004
192.50N	9.797	6.047
207.50N	7.388	1.466
222.50N	5.375	.363
237.50N	2.428	2.609
252.50N	-5.496	-.271
267.50N	-8.356	-4.359
282.50N	-1.801	-3.420
297.50N	3.417	.733
312.50N	2.274	4.227
327.50N	-.742	5.224
342.50N	-2.616	3.868
357.50N	-6.424	1.039
372.50N	-15.257	-2.248
387.50N	-20.119	-4.090
402.50N	-12.343	-2.564
417.50N	-.977	2.383
432.50N	4.115	7.467
447.50N	4.935	8.297
462.50N	4.550	4.820
477.50N	3.381	1.327
492.50N	2.422	1.557
507.50N	2.312	3.426
522.50N	2.976	2.312
537.50N	5.294	2.044
552.50N	7.207	6.033
567.50N	1.627	5.060

GRID: 1. LINE: 2700.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	.508	-.911
362.50S	-5.726	-3.530
347.50S	-.304	-2.247
332.50S	5.213	-.523
317.50S	2.622	-1.586
302.50S	-.512	-3.706
287.50S	-.276	-4.257
272.50S	.186	-2.287
257.50S	-.018	1.352
242.50S	-.033	3.778
227.50S	.132	2.718
212.50S	-.248	1.041
197.50S	-1.413	1.477
182.50S	-2.398	.331
167.50S	-2.492	-2.810
152.50S	-2.248	-2.230
137.50S	-2.712	1.473
122.50S	-4.898	1.981
107.50S	-8.905	-2.792
92.50S	-10.863	-7.325
77.50S	-6.707	-4.887
62.50S	-2.483	.554
47.50S	-6.110	-.402
32.50S	-13.430	-8.733
17.50S	-16.119	-15.976
2.50S	-11.101	-12.832
12.50N	.502	-.226
27.50N	12.682	11.977
42.50N	16.104	13.602
57.50N	10.706	8.181
72.50N	6.557	4.875
87.50N	6.818	3.129
102.50N	6.403	-2.192
117.50N	2.431	-6.168
132.50N	-2.585	-4.020
147.50N	-3.718	.316
162.50N	.402	1.280
177.50N	6.169	-.793
192.50N	8.549	.437
207.50N	6.209	4.522
222.50N	1.971	3.443
237.50N	-2.449	-.601
252.50N	-4.852	-.186
267.50N	-.771	1.977
282.50N	3.946	.847
297.50N	-2.218	-2.383
312.50N	-9.802	-3.890
327.50N	-6.322	-2.188
342.50N	-4.878	.292
357.50N	-9.732	2.109
372.50N	-5.038	4.012
387.50N	1.852	3.379
402.50N	-4.674	-1.033
417.50N	-11.849	-5.382
432.50N	-14.181	-3.582
447.50N	-24.071	-7.664
462.50N	-23.834	-7.772
477.50N	2.017	3.487
492.50N	16.946	11.150
507.50N	3.815	6.506
522.50N	-4.102	1.613
537.50N	1.957	1.980
552.50N	3.424	2.690

GRID: 1. LINE: 2300.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
227.50S	.984	.015
212.50S	2.192	-.022
197.50S	2.582	-.041
182.50S	2.150	.373
167.50S	2.438	1.879
152.50S	4.131	4.520
137.50S	3.072	6.582
122.50S	-2.503	6.185
107.50S	-5.077	3.685
92.50S	-2.325	1.018
77.50S	-1.703	-.201
62.50S	-3.755	-.007
47.50S	-3.696	.192
32.50S	-3.197	-.966
17.50S	-5.967	-3.705
2.50S	-10.950	-6.948
12.50N	-12.624	-9.131
27.50N	-8.833	-8.732
42.50N	-5.664	-4.955
57.50N	-4.143	.227
72.50N	1.681	3.477
87.50N	6.586	5.183
102.50N	3.085	6.576
117.50N	-.945	4.930
132.50N	.541	.006
147.50N	1.188	-3.209
162.50N	-2.434	-1.861
177.50N	-6.028	1.023
192.50N	-4.670	-.034
207.50N	-.086	-2.705
222.50N	1.520	1.010
237.50N	1.146	7.383
252.50N	3.788	7.664
267.50N	7.852	4.537
282.50N	7.343	2.541
297.50N	.438	.313
312.50N	-4.186	-1.628
327.50N	-.404	-1.236
342.50N	1.893	-.029

GRID: 1. LINE: 2200.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
127.50S	4.690	7.713
112.50S	3.728	6.266
97.50S	5.634	2.619
82.50S	3.428	1.982
67.50S	-3.397	5.115
52.50S	-5.257	5.807
37.50S	-.465	2.713
22.50S	2.731	.352
7.50S	-1.686	1.223
7.50N	-8.371	1.626
22.50N	-7.153	-3.075
37.50N	-2.483	-6.917
52.50N	-2.699	-3.071
67.50N	-.977	1.616
82.50N	5.692	1.216
97.50N	.250	-.120
112.50N	-6.246	-.418
127.50N	-4.614	-1.362
142.50N	-2.099	-2.012
157.50N	-2.806	-.635
172.50N	1.624	2.236
187.50N	6.125	4.065
202.50N	1.609	3.531
217.50N	-2.333	2.660
232.50N	1.717	2.196
247.50N	5.715	.348
262.50N	4.398	-1.613
277.50N	.445	-1.253
292.50N	-2.917	-.008
307.50N	-4.459	.146
322.50N	-4.248	-.194
337.50N	-1.856	.283
352.50N	2.067	1.516
367.50N	4.183	1.823

GRID: 1. LINE: 2100.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	-5.300	-2.404
362.50S	-2.653	-2.393
347.50S	-.788	-2.388
332.50S	.125	-2.447
317.50S	.010	-2.390
302.50S	-1.209	-2.178
287.50S	-1.691	-2.809
272.50S	.212	-4.093
257.50S	2.729	-3.053
242.50S	2.514	.563
227.50S	-1.070	2.837
212.50S	-3.084	2.305
197.50S	.416	.862
182.50S	5.047	.071
167.50S	5.162	-.085
152.50S	1.332	-.204
137.50S	-.948	.422
122.50S	.526	1.692
107.50S	.043	.848
92.50S	-2.642	-1.037
77.50S	-.520	.646
62.50S	2.235	3.299
47.50S	-.818	2.238
32.50S	-1.361	1.196
17.50S	3.654	3.355
2.50S	3.896	5.277
12.50N	-1.072	4.485
27.50N	-3.173	1.974
42.50N	-1.974	-.551
57.50N	-.405	-1.990
72.50N	.642	-2.339
87.50N	-1.139	-2.598
102.50N	-5.942	-2.695
117.50N	-7.847	-.544
132.50N	-4.502	3.012
147.50N	-.992	3.521
162.50N	-.174	-.150
177.50N	-1.190	-4.687
192.50N	-3.722	-6.354
207.50N	-6.069	-3.677
222.50N	-4.920	1.243
237.50N	.192	3.276
252.50N	6.123	.626
267.50N	9.185	-1.056
282.50N	8.003	.857
297.50N	4.224	1.774
312.50N	.450	.291
327.50N	-.727	-.443
342.50N	2.458	1.272
357.50N	7.292	3.651
372.50N	8.236	3.897
387.50N	5.007	2.905
402.50N	1.608	2.488
417.50N	-.024	.897
432.50N	-.095	-1.103
447.50N	.856	.529
462.50N	2.532	3.579
477.50N	5.088	3.674
492.50N	8.148	3.253
507.50N	7.095	3.955
522.50N	-1.738	2.333
537.50N	-7.921	-2.141
552.50N	-2.616	-4.851
567.50N	1.967	-1.345
582.50N	-1.501	4.121
597.50N	-2.615	2.018

GRID: 1. LINE: 2000.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	4.370	1.352
362.50S	-.849	1.532
347.50S	-1.406	-.544
332.50S	-.852	-1.056
317.50S	-1.545	.976
302.50S	-1.011	1.046
287.50S	-1.399	-2.450
272.50S	-4.595	-5.905
257.50S	-4.001	-5.204
242.50S	1.494	-1.931
227.50S	2.869	-1.710
212.50S	-2.168	-3.956
197.50S	-6.406	-3.927
182.50S	-3.533	-1.300
167.50S	3.579	1.415
152.50S	5.544	2.632
137.50S	-.265	2.278
122.50S	-6.845	1.035
107.50S	-5.892	-.370
92.50S	1.005	.021
77.50S	4.307	3.457
62.50S	3.233	5.431
47.50S	2.466	1.933
32.50S	.132	-2.404
17.50S	-2.842	-2.824
2.50S	-.626	-.596
12.50N	2.504	2.458
27.50N	-.394	4.477
42.50N	-3.717	2.156
57.50N	-1.620	-2.331
72.50N	2.417	-2.223
87.50N	4.201	1.385
102.50N	3.511	2.858
117.50N	2.248	2.625
132.50N	.347	2.233
147.50N	-3.488	.454
162.50N	-5.466	-1.764
177.50N	-1.945	-1.518
192.50N	2.503	1.461
207.50N	2.800	3.693
222.50N	.134	1.793
237.50N	-1.609	-1.161
252.50N	-1.035	-1.175
267.50N	-.853	-1.386
282.50N	-1.603	-3.296
297.50N	.134	-3.171
312.50N	4.464	-.489
327.50N	7.093	.617
342.50N	4.340	-1.736
357.50N	-1.886	-5.508
372.50N	-5.030	-6.399
387.50N	-1.448	-1.274
402.50N	5.308	6.883
417.50N	7.527	9.052
432.50N	4.623	3.941
447.50N	3.455	-1.686
462.50N	3.410	-2.260
477.50N	.548	-.972
492.50N	-.844	.492
507.50N	.809	1.911
522.50N	.250	2.783
537.50N	-.820	1.832
552.50N	1.759	-.631
567.50N	3.058	-1.246

GRID: 1. LINE: 1900.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	5.554	-1.107
362.50S	3.453	-1.950
347.50S	-1.499	-1.185
332.50S	-1.211	.522
317.50S	3.750	1.946
302.50S	3.015	2.587
287.50S	.546	2.177
272.50S	4.562	.961
257.50S	6.107	.027
242.50S	1.259	-.094
227.50S	.540	.010
212.50S	2.010	.098
197.50S	-3.132	.106
182.50S	-7.859	-.818
167.50S	-4.858	-1.739
152.50S	.136	-.351
137.50S	2.017	1.487
122.50S	2.235	1.108
107.50S	3.562	.872
92.50S	4.047	1.592
77.50S	.089	.319
62.50S	-2.034	-1.295
47.50S	2.475	.140
32.50S	2.934	2.319
17.50S	-2.930	2.661
2.50S	-1.928	2.381
12.50N	4.986	2.289
27.50N	5.805	2.287
42.50N	-.059	2.928
57.50N	-5.207	2.251
72.50N	-4.804	-2.170
87.50N	-.355	-4.858
102.50N	3.396	-.566
117.50N	4.182	4.232
132.50N	3.078	3.522
147.50N	2.277	.259
162.50N	2.340	-2.137
177.50N	2.451	-2.771
192.50N	2.150	-1.163
207.50N	.487	1.245
222.50N	-2.690	1.678
237.50N	-3.034	.229
252.50N	2.096	-.419
267.50N	6.717	1.317
282.50N	5.848	3.626
297.50N	2.334	3.170
312.50N	.930	.302
327.50N	2.719	-1.825
342.50N	4.316	-1.794
357.50N	3.170	-.616
372.50N	.955	.058
387.50N	.843	.126
402.50N	3.994	.091
417.50N	7.829	-.710
432.50N	7.308	-1.776
447.50N	.600	-1.378
462.50N	-4.480	-.585
477.50N	-1.901	-1.290
492.50N	.469	-2.024
507.50N	-.521	-.646
522.50N	2.804	2.311
537.50N	6.853	3.892
552.50N	3.266	2.262
567.50N	-2.269	-.506

GRID: 1. LINE: 1800.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
377.50S	1.470	.274
362.50S	.065	-.460
347.50S	-1.393	-1.806
332.50S	-1.298	-.331
317.50S	2.777	3.164
302.50S	2.182	4.141
287.50S	-4.008	2.010
272.50S	.094	-.796
257.50S	6.999	-.933
242.50S	3.525	.994
227.50S	-.910	.405
212.50S	.093	-1.223
197.50S	2.997	.140
182.50S	5.277	2.184
167.50S	6.767	2.704
152.50S	7.011	3.530
137.50S	3.620	4.042
122.50S	-2.759	2.209
107.50S	-5.346	-.513
92.50S	-4.172	-2.047
77.50S	-6.789	-2.456
62.50S	-9.231	-2.388
47.50S	-4.055	-2.330
32.50S	1.573	-2.620
17.50S	-.659	-2.340
2.50S	-6.869	-.316
12.50N	-6.739	1.640
27.50N	1.923	1.252
42.50N	6.609	-.041
57.50N	1.302	-.133
72.50N	-4.359	.420
87.50N	-4.216	-.700
102.50N	.391	-3.224
117.50N	7.850	-2.637
132.50N	12.199	.361
147.50N	6.581	-.535
162.50N	-2.030	-3.158
177.50N	-2.036	-1.194
192.50N	4.217	2.889
207.50N	6.338	2.631
222.50N	-.118	-3.126
237.50N	-6.755	-7.326
252.50N	-4.847	-4.491
267.50N	.159	-.249
282.50N	2.471	.554
297.50N	4.650	1.415
312.50N	6.000	4.992
327.50N	4.378	8.412
342.50N	3.894	6.603
357.50N	5.713	.651
372.50N	5.181	-2.700
387.50N	3.594	-3.064
402.50N	3.995	-3.873
417.50N	1.892	-3.422
432.50N	-2.142	-1.353
447.50N	.439	-1.656

GRID: 1. LINE: 2600.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
27.50S	-4.363	.334
12.50S	.712	-.676
2.50N	-.739	-4.098
17.50N	-7.634	-7.939
32.50N	-12.301	-9.227
47.50N	-8.102	-6.387
62.50N	1.070	.308
77.50N	6.389	6.751
92.50N	6.015	6.178
107.50N	3.573	.915
122.50N	3.289	1.125
137.50N	8.290	5.594
152.50N	15.364	6.435
167.50N	14.372	4.788
182.50N	5.078	2.590
197.50N	-1.177	-2.644
212.50N	-3.854	-8.054
227.50N	-7.319	-7.810
242.50N	-4.705	-2.561
257.50N	2.601	.833
272.50N	1.901	-1.700
287.50N	-.962	-1.307
302.50N	3.907	7.100
317.50N	3.002	8.078
332.50N	-7.647	-2.819
347.50N	-10.259	-7.488
362.50N	-5.016	-.404
377.50N	-4.552	7.010
392.50N	-4.904	6.763

GRID: 1. LINE: 2500.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
27.50S	-10.912	.545
12.50S	-13.461	-.981
2.50N	-4.905	-4.670
17.50N	6.097	-4.663
32.50N	9.291	-.269
47.50N	3.913	.706
62.50N	-7.793	-5.222
77.50N	-18.026	-10.805
92.50N	-12.491	-4.825
107.50N	5.196	7.612
122.50N	13.707	8.472
137.50N	11.337	.263
152.50N	9.522	-2.217
167.50N	5.748	.061
182.50N	.923	2.298
197.50N	5.018	6.022
212.50N	10.108	7.400
227.50N	2.895	1.683
242.50N	-7.428	-5.639
257.50N	-6.185	-7.158
272.50N	5.020	-2.926
287.50N	9.462	.877
302.50N	.154	-.004
317.50N	-4.124	-2.167
332.50N	1.682	-2.720
347.50N	-.572	-2.535
362.50N	-3.754	1.964
377.50N	5.084	8.810
392.50N	4.353	2.528
407.50N	-9.377	-12.630
422.50N	-6.181	-10.664
437.50N	8.062	6.222
452.50N	6.735	14.999
467.50N	-1.623	11.642

GRID: 1. LINE: 2400.W TX FREQUENCY: 23.4 kHz

STATION	FILTERED IN-PHASE	FILTERED QUADRATURE
302.50S	6.124	-.971
287.50S	5.077	4.124
272.50S	3.804	5.819
257.50S	-.510	1.595
242.50S	-4.770	-4.298
227.50S	-1.567	-4.588
212.50S	5.254	-1.122
197.50S	6.748	1.286
182.50S	4.290	6.033
167.50S	2.699	11.266
152.50S	2.361	7.785
137.50S	2.407	.127
122.50S	2.313	-.479
107.50S	1.325	3.932
92.50S	-1.154	6.137
77.50S	-4.536	4.827
62.50S	-6.358	3.057
47.50S	-5.770	2.501
32.50S	-6.349	.020
17.50S	-10.178	-6.781
2.50S	-14.467	-14.196
12.50N	-15.924	-13.912
27.50N	-12.167	-4.131
42.50N	-2.117	3.845
57.50N	7.610	3.928
72.50N	7.444	2.562
87.50N	2.150	1.255
102.50N	1.027	-2.080
117.50N	-.309	-2.716
132.50N	-4.505	.268
147.50N	-4.601	.556
162.50N	-1.172	-1.179
177.50N	.251	.041
192.50N	1.756	2.599
207.50N	5.337	4.560
222.50N	7.053	6.282
237.50N	4.221	2.094
252.50N	-.113	-6.799
267.50N	-.013	-2.508
282.50N	2.642	10.458
297.50N	-.648	4.109
312.50N	-7.968	-12.618
327.50N	-9.704	-11.010
342.50N	-3.872	2.864
357.50N	.079	6.373
372.50N	-5.468	-4.966
387.50N	-5.792	-9.881
402.50N	9.561	2.275
417.50N	16.643	3.445
432.50N	5.776	-10.856
447.50N	-.001	-8.140
462.50N	1.354	.429
477.50N	-4.356	-11.172
492.50N	-10.182	-15.102
507.50N	-3.419	4.289
522.50N	12.199	15.535
537.50N	18.321	8.457
552.50N	5.369	.351
567.50N	-10.376	-2.906

GRID: 1. LINE: 3000.W

STATION	TOT-FLD	TIME
400.S	55796.4	19:13:25
375.S	55790.3	19:11:40
350.S	55813.9	19:10:15
325.S	55827.8	19:08:31
300.S	55842.7	19:05:44
275.S	55837.0	19:04:16
250.S	55840.4	19:02:35
225.S	55899.1	19:00:59
200.S	56030.0	18:59:33
175.S	55857.5	18:58:20
150.S	55825.7	18:57:00
125.S	55695.9	18:55:40
100.S	55699.9	18:54:03
75.S	55729.9	18:52:35
50.S	55757.5	18:51:28
25.S	55754.6	18:50:11
0.N	55782.2	18:48:29
25.N	55772.1	18:47:06
50.N	55791.7	18:45:38
75.N	55836.5	18:44:17
100.N	55734.2	18:42:49
125.N	55795.5	18:40:48
150.N	55793.9	18:39:17
175.N	55755.1	18:38:11
200.N	55818.5	18:36:55
225.N	55828.1	18:35:27
250.N	55792.9	18:34:19
275.N	55791.7	18:33:11
300.N	55778.1	18:30:48
325.N	55811.3	18:29:02
350.N	55827.0	18:26:58
375.N	55813.1	18:25:07
400.N	55814.5	18:23:35
425.N	55823.1	18:22:11
450.N	55821.1	18:20:24
475.N	55827.9	18:18:56
500.N	55829.0	18:16:26
525.N	55837.8	18:14:47
550.N	55857.1	18:13:23

GRID: 1. LINE: 3000.W

STATION	TOT-FLD	TIME

GRID: 1. LINE: 2900.W

STATION	TOT-FLD	TIME
400.S	55667.6	19:26:49
375.S	55698.4	19:27:56
350.S	55710.0	19:29:31
325.S	55742.7	19:30:56
300.S	55736.2	19:32:16
275.S	55757.7	19:33:57
250.S	55922.6	19:35:38
225.S	55737.9	19:37:21
200.S	55712.7	19:39:07
175.S	55642.4	19:40:25
150.S	55666.8	19:41:59
125.S	55704.1	19:43:44
100.S	55696.9	19:46:09
75.S	55759.6	19:47:42
50.S	55729.0	19:49:47
25.S	55689.2	19:51:49
0.N	55781.2	19:53:47
25.N	55727.9	17:28:13
50.N	55732.0	17:29:34
75.N	55744.7	17:31:05
100.N	55756.1	17:32:24
125.N	55771.2	17:33:55
150.N	55771.7	17:35:26
175.N	55749.0	17:37:19
200.N	55785.2	17:39:26
225.N	55809.1	17:41:17
250.N	55825.2	17:43:11
275.N	55815.3	17:44:50
300.N	55810.9	17:46:42
325.N	55835.0	17:48:45
350.N	55847.7	17:50:29
375.N	55839.8	17:52:06
400.N	55841.4	17:53:51
425.N	55850.5	17:55:26
450.N	55854.7	17:57:04
475.N	55858.6	17:58:29
500.N	55859.7	17:59:51
525.N	55852.7	18:01:32
550.N	55855.9	18:03:02
575.N	55875.0	18:04:35
600.N	55860.2	18:06:07

GRID: 1. LINE: 2800.W

STATION	TOT-FLD	TIME
400.S	55660.4	16:52:22
375.S	55644.3	16:53:34
350.S	55678.8	16:54:59
325.S	55686.0	16:56:29
300.S	55675.5	16:57:53
275.S	55677.3	16:59:24
250.S	55735.6	17:01:03
225.S	55701.3	17:02:23
200.S	55707.5	17:03:54
175.S	55701.9	17:05:12
150.S	55733.8	17:08:00
125.S	55734.5	17:09:30
100.S	55729.2	17:10:54
75.S	55756.8	17:13:04
50.S	55765.0	17:14:34
25.S	55770.3	17:16:21
0.N	55766.8	14:14:46
25.N	55779.9	14:17:10
50.N	55799.9	14:19:01
75.N	55795.1	14:20:35
100.N	55801.2	14:21:59
125.N	55797.7	14:23:26
150.N	55805.8	14:25:02
175.N	55792.4	14:26:27
200.N	55816.2	14:28:48
225.N	55817.9	14:30:23
250.N	55830.7	14:31:58
275.N	55832.7	14:33:41
300.N	55826.8	14:35:14
325.N	55825.6	14:36:39
350.N	55849.0	14:38:50
375.N	55838.3	14:40:48
400.N	55845.5	14:43:04
425.N	55844.9	14:44:48
450.N	55854.1	14:46:23
475.N	55862.7	14:48:22
500.N	55868.1	14:49:39
525.N	55835.5	14:50:42
550.N	55809.0	14:52:05
575.N	55857.1	14:53:24
600.N	55868.5	14:54:59

GRID: 1. LINE: 2700.W

STATION	TOT-FLD	TIME
400.S	55698.2	16:44:06
375.S	55878.2	16:42:34
350.S	55995.2	16:40:05
325.S	55500.4	16:37:56
300.S	55415.5	16:35:19
275.S	55534.4	16:34:03
250.S	55797.9	16:32:23
225.S	55540.9	16:30:43
200.S	55621.7	16:28:50
175.S	55681.7	16:27:14
150.S	55715.1	16:25:27
125.S	55758.0	16:23:26
100.S	55758.4	16:21:33
75.S	55798.2	16:19:20
50.S	55849.4	16:16:17
25.S	55748.8	16:14:37
0.N	55785.5	16:12:53
25.N	55768.3	16:10:35
50.N	55804.2	16:07:00
75.N	55798.6	16:05:53
100.N	55805.9	16:04:43
125.N	55802.4	16:03:14
150.N	55807.2	16:01:36
175.N	55814.1	16:00:02
200.N	55818.6	15:58:12
225.N	55830.5	15:56:27
250.N	55825.9	15:54:59
275.N	55832.7	15:53:30
300.N	55832.6	15:51:36
325.N	55844.9	15:49:40
350.N	55851.6	15:47:29
375.N	55827.6	15:45:42
400.N	55839.6	15:43:21
425.N	55839.9	15:41:43
450.N	55845.8	15:40:14
475.N	55842.2	15:36:36
500.N	55859.0	15:33:57
525.N	55845.8	15:32:10
550.N	55850.2	15:30:52
575.N	55851.3	15:29:41

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNLK05.CLN

GRID: 1. LINE: 3000.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	4	-11	163.00	19:13:44
375.S	1	-11	160.00	19:11:56
350.S	4	-10	159.00	19:10:32
325.S	7	-10	160.00	19:08:47
300.S	2	-10	155.00	19:06:01
275.S	3	-11	151.00	19:04:34
250.S	9	-10	146.00	19:02:57
225.S	8	-11	147.00	19:01:18
200.S	8	-10	151.00	18:59:51
175.S	13	-10	146.00	18:58:39
150.S	13	-9	145.00	18:57:16
125.S	17	-7	149.00	18:56:02
100.S	19	-5	156.00	18:54:20
75.S	22	-4	163.00	18:52:58
50.S	21	-3	168.00	18:51:48
25.S	17	-1	179.00	18:50:28
0.N	12	-2	201.00	18:48:47
25.N	1	-5	192.00	18:47:24
50.N	-1	-3	183.00	18:45:54
75.N	-4	-1	171.00	18:44:33
100.N	-5	-0	166.00	18:43:06
125.N	-2	0	161.00	18:41:08
150.N	2	2	151.00	18:39:34
175.N	2	2	149.00	18:38:33
200.N	9	3	148.00	18:37:12
225.N	8	1	147.00	18:35:48
250.N	17	4	150.00	18:34:36
275.N	17	5	157.00	18:33:32
300.N	17	6	170.00	18:31:06
325.N	13	6	188.00	18:29:23
350.N	-5	-1	177.00	18:27:17
375.N	0	1	155.00	18:25:25
400.N	3	4	149.00	18:23:54
425.N	7	4	148.00	18:22:29
450.N	13	6	143.00	18:20:43
475.N	19	8	155.00	18:19:08
500.N	20	8	168.00	18:16:49
525.N	15	5	170.00	18:15:10
550.N	9	5	165.00	18:13:44

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNLK05.CLN

GRID: 1. LINE: 3000.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNLK05.CLN

GRID: 1. LINE: 2900.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	13	-7	155.00	19:27:06
375.S	14	-6	151.00	19:28:13
350.S	15	-5	152.00	19:29:49
325.S	13	-6	155.00	19:31:13
300.S	11	-8	156.00	19:32:33
275.S	13	-7	156.00	19:34:14
250.S	8	-11	156.00	19:35:58
225.S	12	-10	152.00	19:37:39
200.S	11	-10	144.00	19:39:28
175.S	12	-10	140.00	19:40:41
150.S	18	-9	139.00	19:42:32
125.S	20	-8	146.00	19:44:05
100.S	19	-9	148.00	19:46:24
75.S	23	-6	152.00	19:48:02
50.S	26	-0	170.00	19:50:04
25.S	13	-1	188.00	19:52:09
0.N	2	-1	191.00	17:26:56
25.N	-4	-2	174.00	17:28:30
50.N	-2	-0	165.00	17:29:51
75.N	0	0	157.00	17:31:22
100.N	-2	0	153.00	17:32:42
125.N	2	1	149.00	17:34:13
150.N	6	0	140.00	17:35:43
175.N	12	2	139.00	17:37:51
200.N	11	3	142.00	17:39:41
225.N	17	4	150.00	17:41:34
250.N	18	4	156.00	17:43:29
275.N	14	4	161.00	17:45:08
300.N	18	6	168.00	17:47:00
325.N	10	5	173.00	17:49:04
350.N	6	5	172.00	17:50:48
375.N	8	6	169.00	17:52:35
400.N	9	6	166.00	17:54:09
425.N	10	6	160.00	17:55:44
450.N	10	7	161.00	17:57:22
475.N	14	8	165.00	17:58:47
500.N	10	7	164.00	18:00:07
525.N	8	7	163.00	18:01:49
550.N	8	7	159.00	18:03:21
575.N	8	7	158.00	18:04:53
600.N	12	9	154.00	18:06:31

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNLK05.CLN

GRID: 1. LINE: 2800.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	18	-5	142.00	16:52:41
375.S	16	-7	140.00	16:53:49
350.S	16	-7	141.00	16:55:16
325.S	17	-7	141.00	16:56:47
300.S	16	-7	149.00	16:57:56
275.S	14	-9	150.00	16:59:42
250.S	18	-8	144.00	17:01:21
225.S	19	-7	143.00	17:02:41
200.S	17	-8	146.00	17:04:11
175.S	24	-6	146.00	17:05:32
150.S	23	-6	150.00	17:08:17
125.S	24	-3	156.00	17:09:47
100.S	27	-0	164.00	17:11:14
75.S	18	-1	180.00	17:13:23
50.S	11	-0	182.00	17:14:50
25.S	5	-0	179.00	17:16:39
0.N	7	1	156.00	14:15:09
25.N	7	4	147.00	14:17:33
50.N	7	5	144.00	14:19:19
75.N	9	3	142.00	14:20:50
100.N	7	3	140.00	14:22:16
125.N	13	4	138.00	14:23:52
150.N	12	4	137.00	14:25:20
175.N	14	1	132.00	14:26:47
200.N	20	5	136.00	14:29:08
225.N	21	4	138.00	14:30:40
250.N	20	4	144.00	14:32:15
275.N	22	4	151.00	14:33:56
300.N	19	3	153.00	14:35:32
325.N	15	5	157.00	14:36:57
350.N	14	5	162.00	14:39:06
375.N	13	5	163.00	14:41:06
400.N	8	3	161.00	14:43:20
425.N	5	3	159.00	14:45:07
450.N	7	6	148.00	14:46:38
475.N	10	7	150.00	14:48:36
500.N	9	6	150.00	14:49:53
525.N	5	6	142.00	14:51:01
550.N	10	8	140.00	14:52:27
575.N	19	13	142.00	14:53:44
600.N	16	11	147.00	14:55:08

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNLK05.CLN

GRID: 1. LINE: 2700.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	13	-6	138.00	16:44:23
375.S	14	-7	141.00	16:42:52
350.S	18	-8	138.00	16:40:23
325.S	17	-8	142.00	16:38:13
300.S	17	-9	148.00	16:35:40
275.S	18	-9	142.00	16:34:23
250.S	19	-8	138.00	16:32:41
225.S	25	-6	146.00	16:31:01
200.S	28	-4	146.00	16:29:08
175.S	26	-1	151.00	16:27:31
150.S	24	-1	163.00	16:25:43
125.S	27	2	167.00	16:23:55
100.S	18	2	177.00	16:21:51
75.S	14	0	181.00	16:19:36
50.S	10	2	173.00	16:16:38
25.S	7	1	179.00	16:14:55
0.N	2	-0	164.00	16:12:50
25.N	5	1	146.00	16:10:53
50.N	8	4	147.00	16:07:21
75.N	9	3	144.00	16:06:12
100.N	8	4	144.00	16:05:00
125.N	12	2	140.00	16:03:31
150.N	18	3	138.00	16:01:53
175.N	16	3	143.00	16:00:19
200.N	22	5	141.00	15:58:28
225.N	25	6	144.00	15:56:49
250.N	24	5	147.00	15:55:14
275.N	20	4	157.00	15:53:45
300.N	22	4	162.00	15:51:55
325.N	19	3	158.00	15:50:00
350.N	13	5	168.00	15:47:49
375.N	15	3	166.00	15:46:01
400.N	15	5	171.00	15:43:49
425.N	11	4	162.00	15:42:00
450.N	6	3	169.00	15:40:31
475.N	-0	3	158.00	15:36:55
500.N	9	8	152.00	15:33:54
525.N	13	9	146.00	15:32:28
550.N	14	12	145.00	15:31:07
575.N	17	13	143.00	15:30:01

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNPM05.CLN

GRID: 1. LINE: 3000.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-22	-15	4.11	19:14:00
375.S	-25	-15	4.00	19:12:22
350.S	-22	-17	3.83	19:10:46
325.S	-26	-15	4.00	19:09:17
300.S	-21	-15	4.00	19:07:48
275.S	-23	-14	3.96	19:04:50
250.S	-21	-14	4.00	19:03:12
225.S	-22	-12	3.91	19:01:33
200.S	-21	-13	3.93	19:00:16
175.S	-19	-14	3.90	18:58:53
150.S	-17	-12	3.87	18:57:30
125.S	-23	-15	3.88	18:56:16
100.S	-24	-15	3.90	18:54:38
75.S	-25	-15	3.93	18:53:15
50.S	-23	-12	3.94	18:52:02
25.S	-23	-15	3.96	18:50:43
0.N	-20	-13	3.99	18:49:13
25.N	-10	-6	4.01	18:47:41
50.N	-7	-6	3.99	18:46:07
75.N	-5	-6	3.99	18:44:46
100.N	-7	-7	3.95	18:43:21
125.N	-7	-7	3.88	18:41:24
150.N	-9	-8	3.93	18:39:51
175.N	-5	-6	3.91	18:38:47
200.N	-7	-5	3.89	18:37:39
225.N	-6	-3	3.90	18:36:01
250.N	-6	-7	3.80	18:34:51
275.N	-10	-8	3.84	18:33:46
300.N	-13	-12	3.64	18:31:21
325.N	-3	-7	3.63	18:29:46
350.N	3	-1	3.57	18:27:37
375.N	8	-1	3.62	18:25:41
400.N	3	-2	3.50	18:24:08
425.N	1	-2	3.47	18:22:42
450.N	0	-2	3.38	18:21:20
475.N	-4	-7	3.39	18:19:28
500.N	3	0	3.41	18:17:10
525.N	2	0	3.49	18:15:31
550.N	2	-1	3.56	18:14:01

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNPM05.CLN

GRID: 1. LINE: 3000.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNPM05.CLN

GRID: 1. LINE: 2900.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-17	-12	3.46	19:27:25
375.S	-22	-15	3.44	19:28:38
350.S	-22	-14	3.50	19:30:02
325.S	-21	-13	3.46	19:31:27
300.S	-18	-9	3.42	19:32:48
275.S	-16	-10	3.35	19:34:27
250.S	-7	-9	3.11	19:36:30
225.S	-8	-5	3.20	19:37:58
200.S	-8	-3	3.13	19:39:44
175.S	-0	-2	3.12	19:41:10
150.S	0	-3	3.21	19:42:47
125.S	3	-3	3.19	19:44:20
100.S	5	-2	3.06	19:46:45
75.S	0	-4	2.98	19:48:34
50.S	-7	-10	3.11	19:50:37
25.S	-8	-8	3.24	19:52:39
0.N	-5	-5	3.65	19:54:18
25.N	-2	3	4.55	17:28:47
50.N	-4	4	4.37	17:30:07
75.N	3	6	4.33	17:31:39
100.N	1	8	4.27	17:32:55
125.N	3	8	4.37	17:34:28
150.N	0	9	4.38	17:35:57
175.N	-1	8	4.38	17:38:06
200.N	1	8	4.38	17:39:55
225.N	-1	6	4.63	17:41:55
250.N	-1	7	4.64	17:43:43
275.N	-3	6	4.52	17:45:27
300.N	2	7	4.45	17:47:17
325.N	4	5	4.44	17:49:20
350.N	7	5	4.39	17:51:02
375.N	12	4	4.33	17:52:51
400.N	9	6	4.27	17:54:27
425.N	8	5	4.17	17:56:00
450.N	5	4	4.14	17:57:38
475.N	4	2	4.05	17:59:01
500.N	12	4	4.02	18:00:25
525.N	9	4	3.99	18:02:04
550.N	5	3	3.87	18:03:38
575.N	6	3	3.87	18:05:07
600.N	9	5	3.87	18:06:53

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNPM05.CLN

GRID: 1. LINE: 2800.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-2	-0	5.03	16:52:57
375.S	-0	-0	5.09	16:54:01
350.S	-4	-1	5.22	16:55:54
325.S	-8	-1	5.08	16:57:04
300.S	-10	-3	4.97	16:58:20
275.S	-4	0	4.97	17:00:02
250.S	-4	2	4.97	17:01:37
225.S	-4	0	5.12	17:02:56
200.S	-2	2	5.21	17:04:25
175.S	-3	1	5.23	17:05:46
150.S	-1	2	4.95	17:08:30
125.S	-1	1	5.00	17:10:01
100.S	-5	-1	4.81	17:11:39
75.S	2	2	4.76	17:13:43
50.S	0	2	4.70	17:15:06
25.S	4	6	4.73	17:16:53
0.N	3	5	5.46	14:15:30
25.N	3	5	5.80	14:17:47
50.N	5	5	5.98	14:19:34
75.N	8	8	6.02	14:21:05
100.N	8	8	6.03	14:22:30
125.N	4	7	6.03	14:24:09
150.N	5	8	6.23	14:25:40
175.N	8	12	6.24	14:27:00
200.N	3	8	6.21	14:29:23
225.N	1	9	6.23	14:30:53
250.N	-1	7	6.24	14:32:32
275.N	4	9	6.39	14:34:12
300.N	3	10	6.46	14:35:46
325.N	2	8	6.30	14:37:10
350.N	3	6	6.31	14:39:19
375.N	6	6	6.24	14:41:21
400.N	16	8	5.80	14:43:38
425.N	17	8	5.70	14:45:21
450.N	15	4	5.46	14:46:52
475.N	13	2	5.46	14:48:50
500.N	12	2	5.45	14:50:07
525.N	11	0	5.26	14:51:22
550.N	9	-0	5.03	14:52:48
575.N	6	-4	4.84	14:54:04
600.N	13	0	4.89	14:55:24

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNPM05.CLN

GRID: 1. LINE: 2700.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	3	4	5.20	16:44:40
375.S	-1	3	5.19	16:43:10
350.S	3	5	5.13	16:41:45
325.S	-0	5	5.33	16:38:27
300.S	-0	6	5.51	16:35:54
275.S	0	8	5.59	16:34:36
250.S	0	8	5.63	16:32:56
225.S	0	6	5.71	16:31:15
200.S	0	6	5.69	16:29:22
175.S	1	5	5.80	16:27:50
150.S	2	7	5.87	16:25:56
125.S	3	7	5.94	16:24:09
100.S	6	6	6.05	16:22:05
75.S	11	10	5.94	16:19:50
50.S	11	9	5.84	16:16:55
25.S	16	11	5.95	16:15:13
0.N	23	19	5.62	16:13:05
25.N	23	19	5.58	16:11:25
50.N	15	12	5.78	16:07:37
75.N	12	10	5.69	16:06:28
100.N	9	8	5.67	16:05:19
125.N	7	11	5.79	16:03:44
150.N	9	12	5.85	16:02:13
175.N	9	11	5.88	16:00:32
200.N	5	12	5.89	15:58:44
225.N	3	9	5.95	15:57:03
250.N	4	10	6.11	15:55:28
275.N	6	9	6.11	15:54:00
300.N	3	9	6.33	15:52:08
325.N	9	11	6.10	15:50:15
350.N	9	10	6.18	15:48:04
375.N	15	10	6.12	15:46:15
400.N	12	8	5.86	15:44:03
425.N	18	10	5.85	15:42:17
450.N	23	11	5.89	15:40:47
475.N	37	16	5.37	15:37:21
500.N	26	10	5.90	15:34:09
525.N	29	9	5.33	15:32:43
550.N	27	8	5.31	15:31:23
575.N	27	7	5.25	15:30:28

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:MAG05.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 3000.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55796.4		19:13:25	
375.S	55790.3	-6.1	19:11:40	
350.S	55813.9	23.6	19:10:15	
325.S	55827.8	13.9	19:08:31	
300.S	55842.7	14.9	19:05:44	
275.S	55837.0	-5.7	19:04:16	
250.S	55840.4	3.4	19:02:35	
225.S	55899.1	58.7	19:00:59	
200.S	56030.0	130.9	18:59:33	
175.S	55857.5	-172.5	18:58:20	
150.S	55825.7	-31.8	18:57:00	
125.S	55695.9	-129.8	18:55:40	
100.S	55699.9	4.0	18:54:03	
75.S	55729.9	30.0	18:52:35	
50.S	55757.5	27.6	18:51:28	
25.S	55754.6	-2.9	18:50:11	
0.	55782.2	27.6	18:48:29	
25.N	55772.1	-10.1	18:47:06	
50.N	55791.7	19.6	18:45:38	
75.N	55836.5	44.8	18:44:17	
100.N	55734.2	-102.3	18:42:49	
175.N	55795.5	61.3	18:40:48	
200.N	55793.9	-1.6	18:39:17	
225.N	55755.1	-38.8	18:38:11	
250.N	55818.5	63.4	18:36:55	
275.N	55828.1	9.6	18:35:27	
300.N	55792.9	-35.2	18:34:19	
325.N	55791.7	-1.2	18:33:11	
350.N	55778.1	-13.6	18:30:48	
375.N	55811.3	33.2	18:29:02	
400.N	55827.0	15.7	18:26:58	
425.N	55813.1	-13.9	18:25:07	
450.N	55814.5	1.4	18:23:35	
475.N	55823.1	8.6	18:22:11	
500.N	55821.1	-2.0	18:20:24	
525.N	55827.9	6.8	18:18:50	
550.N	55829.0	1.1	18:16:26	
575.N	55837.8	8.8	18:14:47	
600.N	55857.1	19.3	18:13:23	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2900.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55667.6		19:26:49	
375.S	55698.4	30.8	19:27:56	
350.S	55710.0	11.6	19:29:31	
325.S	55742.7	32.7	19:30:56	
300.S	55736.2	-6.5	19:32:16	
275.S	55757.7	21.5	19:33:57	
250.S	55923.6	165.9	19:35:38	
225.S	55737.9	-185.7	19:37:21	
200.S	55712.7	-25.2	19:39:07	
175.S	55642.4	-70.3	19:40:25	
150.S	55666.8	24.4	19:41:59	
125.S	55704.1	37.3	19:43:44	
100.S	55696.9	-7.2	19:46:09	
75.S	55759.6	62.7	19:47:42	
50.S	55729.0	-30.6	19:49:47	
25.S	55689.2	-39.8	19:51:49	
0.	55778.6	89.4	17:26:34	
0.	55781.2	2.6	19:53:47	
25.N	55727.9	-53.3	17:28:13	
50.N	55732.0	4.1	17:29:34	
75.N	55744.7	12.7	17:31:05	
100.N	55756.1	11.4	17:32:24	
125.N	55771.2	15.1	17:33:55	
150.N	55771.7	0.5	17:35:26	
175.N	55769.0	-2.7	17:37:19	
200.N	55783.2	14.2	17:39:26	
225.N	55809.1	25.9	17:41:17	
250.N	55825.2	16.1	17:43:11	
275.N	55815.3	-9.9	17:44:50	
300.N	55810.9	-4.4	17:46:42	
325.N	55835.0	24.1	17:48:45	
350.N	55847.7	12.7	17:50:29	
375.N	55839.8	-7.9	17:52:06	
400.N	55841.4	1.6	17:53:51	
425.N	55850.5	9.1	17:55:26	
450.N	55854.7	4.2	17:57:04	
475.N	55858.6	3.9	17:58:29	
500.N	55859.7	1.1	17:59:51	
525.N	55852.7	-7.0	18:01:32	
550.N	55855.9	3.2	18:03:02	
575.N	55853.0	-2.9	18:04:35	
600.N	55860.2	7.2	18:06:07	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2800.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55660.4		16:52:22	
375.S	55646.3	-14.1	16:53:34	
350.S	55678.8	32.5	16:54:59	
325.S	55686.0	7.2	16:56:29	
300.S	55875.5	189.5	16:57:33	
275.S	55677.3	-198.2	16:59:24	
250.S	55735.6	58.3	17:01:03	
225.S	55701.3	-34.3	17:02:23	
200.S	55707.5	6.2	17:03:54	
175.S	55701.9	-5.6	17:05:12	
150.S	55733.8	31.9	17:06:00	
125.S	55736.5	2.7	17:07:30	
100.S	55729.2	-7.3	17:10:54	
75.S	55756.8	27.6	17:13:04	
50.S	55765.0	8.2	17:14:24	
25.S	55770.3	5.3	17:16:21	
0.	55766.8	-3.5	14:14:46	
0.	55764.5	-2.3	17:17:26	
25.N	55779.9	15.4	14:17:18	
50.N	55799.9	20.0	14:19:01	
75.N	55795.1	-4.8	14:20:35	
100.N	55801.2	6.1	14:21:59	
125.N	55797.7	-3.5	14:23:36	
150.N	55805.8	8.1	14:25:02	
175.N	55792.4	-13.4	14:26:27	
200.N	55816.2	23.8	14:28:48	
225.N	55817.9	1.7	14:30:23	
250.N	55830.7	12.8	14:31:58	
275.N	55832.7	2.0	14:33:41	
300.N	55826.8	-5.9	14:35:14	
325.N	55835.6	8.8	14:36:39	
350.N	55840.0	4.4	14:38:50	
375.N	55838.3	-1.7	14:40:48	
400.N	55845.5	7.2	14:43:04	
425.N	55844.9	-0.6	14:44:48	
450.N	55854.1	9.2	14:46:23	
475.N	55862.7	8.6	14:48:22	
500.N	55868.1	5.4	14:49:39	
525.N	55835.5	-32.6	14:50:42	
550.N	55809.0	-26.5	14:52:05	
575.N	55857.1	48.1	14:53:24	
600.N	55868.5	11.4	14:54:50	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2700.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55698.2		16:44:06	
375.S	55878.2	180.0	16:42:34	
350.S	55995.2	117.0	16:40:05	
325.S	55500.4	-494.8	16:37:56	
300.S	55415.3	-85.1	16:35:19	
275.S	55534.4	119.1	16:34:03	
250.S	55797.9	263.5	16:32:23	
225.S	55540.9	-257.0	16:30:43	
200.S	55621.7	80.8	16:28:50	
175.S	55681.7	60.0	16:27:14	
150.S	55715.7	34.0	16:25:27	
125.S	55758.0	42.3	16:23:26	
100.S	55758.4	0.4	16:21:33	
75.S	55798.2	39.8	16:19:20	
50.S	55849.4	51.2	16:16:17	
25.S	55748.8	-100.6	16:14:37	
0.	55765.5	16.7	16:12:33	
25.N	55768.3	2.8	16:10:35	
50.N	55804.2	35.9	16:07:00	
75.N	55798.6	-5.6	16:05:53	
100.N	55805.9	7.3	16:04:43	
125.N	55802.4	-3.5	16:03:14	
150.N	55807.2	4.8	16:01:36	
175.N	55814.1	6.9	16:00:02	
200.N	55818.6	4.5	15:58:12	
225.N	55830.5	11.9	15:56:27	
250.N	55825.9	-4.6	15:54:59	
275.N	55832.7	6.8	15:53:30	
300.N	55832.6	-0.1	15:51:36	
325.N	55844.9	12.3	15:49:40	
350.N	55851.6	6.7	15:47:29	
375.N	55827.6	-24.0	15:45:42	
400.N	55839.6	12.0	15:43:31	
450.N	55839.9	0.3	15:41:43	
475.N	55845.8	5.9	15:40:14	
500.N	55842.2	-3.6	15:36:36	
525.N	55859.0	16.8	15:33:37	
550.N	55845.8	-13.2	15:32:10	
575.N	55850.2	4.4	15:30:52	
600.N	55851.3	1.1	15:29:41	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNPM05.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 3000.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-22	-15	4.11	19:14:00
375.S	-25	-15	4.00	19:12:22
350.S	-22	-17	3.83	19:10:46
325.S	-26	-15	4.00	19:09:17
300.S	-21	-15	4.06	19:07:48
275.S	-23	-14	3.96	19:04:50
250.S	-21	-14	4.00	19:03:12
225.S	-22	-12	3.91	19:01:33
200.S	-21	-13	3.93	19:00:16
175.S	-19	-14	3.90	18:58:53
150.S	-17	-12	3.87	18:57:30
125.S	-23	-15	3.88	18:56:16
100.S	-24	-15	3.90	18:54:38
75.S	-25	-15	3.93	18:53:15
50.S	-20	-12	3.94	18:52:02
25.S	-23	-15	3.96	18:50:43
0.	-20	-13	3.99	18:49:13
25.N	-10	-6	4.01	18:47:41
50.N	-7	-6	3.99	18:46:07
75.N	-5	-6	3.99	18:44:46
100.N	-7	-7	3.95	18:43:21
175.N	-7	-7	3.88	18:41:24
200.N	-9	-8	3.93	18:39:51
225.N	-5	-6	3.91	18:38:47
250.N	-7	-5	3.89	18:37:39
275.N	-6	-3	3.90	18:36:01
300.N	-6	-7	3.80	18:34:51
325.N	-10	-8	3.84	18:33:46
350.N	-13	-12	3.64	18:31:21
375.N	-3	-7	3.63	18:29:46
400.N	10	-1	3.57	18:27:37
425.N	8	-1	3.62	18:25:41
450.N	3	-2	3.50	18:24:08
475.N	1	-2	3.47	18:22:42
500.N	0	-2	3.38	18:21:20
525.N	-4	-7	3.39	18:19:28
550.N	3	0	3.41	18:17:10
575.N	2	0	3.49	18:15:31
600.N	2	-1	3.56	18:14:01

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2900.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-17	-12	3.46	19:27:25
375.S	-22	-15	3.44	19:28:38
350.S	-22	-14	3.50	19:30:02
325.S	-21	-13	3.46	19:31:27
300.S	-18	-9	3.42	19:32:48
275.S	-16	-10	3.35	19:34:27
250.S	-7	-9	3.11	19:36:30
225.S	-8	-5	3.20	19:37:58
200.S	-8	-3	3.13	19:39:44
175.S	-0	-2	3.12	19:41:10
150.S	0	-3	3.21	19:42:47
125.S	3	-3	3.19	19:44:20
100.S	5	-2	3.06	19:46:45
75.S	0	-4	2.98	19:48:34
50.S	-7	-10	3.11	19:50:37
25.S	-8	-8	3.24	19:52:39
0.	-4	-2	5.41	17:27:12
0.	-5	-5	3.65	19:54:18
25.N	-2	3	4.55	17:28:47
50.N	-4	4	4.37	17:30:07
75.N	3	6	4.33	17:31:39
100.N	1	8	4.27	17:32:55
125.N	3	8	4.37	17:34:28
150.N	0	9	4.38	17:35:57
175.N	-1	8	4.38	17:38:06
200.N	1	8	4.38	17:39:55
225.N	-1	6	4.63	17:41:55
250.N	-1	7	4.64	17:43:43
275.N	-3	6	4.52	17:45:27
300.N	-1	7	4.45	17:47:17
325.N	4	5	4.44	17:49:20
350.N	7	5	4.39	17:51:02
375.N	12	4	4.33	17:52:51
400.N	9	6	4.27	17:54:27
425.N	8	5	4.17	17:56:00
450.N	5	4	4.14	17:57:38
475.N	4	2	4.05	17:59:01
500.N	12	4	4.02	18:00:25
525.N	9	4	3.99	18:02:04
550.N	5	3	3.87	18:03:38
575.N	6	3	3.87	18:05:07
600.N	9	5	3.87	18:06:53

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2800.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-2	-0	5.03	16:52:57
375.S	-0	0	5.09	16:54:01
350.S	-4	-1	5.22	16:55:54
325.S	-8	-1	5.08	16:57:04
300.S	-10	-3	4.97	16:58:20
275.S	-4	0	4.97	17:00:02
250.S	-4	2	4.97	17:01:37
225.S	-4	0	5.12	17:02:56
200.S	-2	2	5.21	17:04:25
175.S	-3	1	5.21	17:05:46
150.S	-1	2	4.95	17:08:30
125.S	-1	1	5.00	17:10:01
100.S	-5	-1	4.81	17:11:39
75.S	2	2	4.76	17:13:43
50.S	0	2	4.70	17:15:06
25.S	4	6	4.73	17:16:53
0.	3	5	5.76	14:15:30
0.	2	4	4.69	17:20:00
25.N	3	3	5.80	14:17:47
50.N	5	5	5.98	14:19:34
75.N	8	8	6.02	14:21:05
100.N	8	8	6.03	14:22:30
125.N	4	7	6.03	14:24:09
150.N	5	8	6.23	14:25:40
175.N	8	12	6.13	14:27:00
200.N	3	8	6.21	14:29:23
225.N	1	9	6.23	14:30:53
250.N	-1	7	6.24	14:32:32
275.N	4	9	6.39	14:34:12
300.N	3	10	6.46	14:35:46
325.N	2	8	6.30	14:37:10
350.N	3	6	6.31	14:39:19
375.N	6	6	6.24	14:41:21
400.N	16	8	5.80	14:43:38
425.N	17	8	5.70	14:45:21
450.N	15	4	5.46	14:46:52
475.N	13	2	5.46	14:48:50
500.N	12	2	5.45	14:50:07
525.N	11	0	5.26	14:51:22
550.N	9	-0	5.03	14:52:48
575.N	6	-4	4.84	14:54:04
600.N	13	0	4.89	14:55:24

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2700.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	3	4	5.20	16:44:40
375.S	-1	3	5.19	16:43:10
350.S	3	5	5.13	16:41:45
325.S	-0	5	5.53	16:38:27
300.S	-0	6	5.51	16:37:54
275.S	0	8	5.59	16:34:36
250.S	0	8	5.63	16:32:56
225.S	0	6	5.71	16:31:15
200.S	0	6	5.69	16:29:22
175.S	1	5	5.80	16:27:50
150.S	2	7	5.87	16:25:56
125.S	3	6	5.94	16:24:09
100.S	6	6	6.05	16:22:05
75.S	11	10	5.94	16:19:50
50.S	11	9	5.84	16:16:55
25.S	16	11	5.95	16:15:13
0.	23	19	5.62	16:13:05
25.N	23	19	5.58	16:11:25
50.N	15	12	5.78	16:07:37
75.N	12	10	5.69	16:06:28
100.N	9	8	5.67	16:05:19
125.N	7	11	5.79	16:03:44
150.N	9	12	5.85	16:02:13
175.N	9	11	5.88	16:00:32
200.N	5	12	5.89	15:58:44
225.N	3	9	5.95	15:57:03
250.N	4	10	6.11	15:55:28
275.N	6	9	6.11	15:54:00
300.N	3	9	6.33	15:52:08
325.N	9	11	6.10	15:50:15
350.N	9	11	6.18	15:48:04
375.N	15	10	6.12	15:46:15
400.N	12	8	5.86	15:44:03
450.N	18	10	5.85	15:42:17
475.N	23	11	5.89	15:40:47
500.N	37	16	5.37	15:37:21
525.N	26	10	5.50	15:34:09
550.N	29	9	5.33	15:32:43
575.N	27	8	5.31	15:31:23
600.N	27	7	5.25	15:30:28

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNLKOS.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 3000.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	4	-11	163.00	19:13:44
375.S	1	-11	160.00	19:11:56
350.S	4	-10	159.00	19:10:32
325.S	7	-10	160.00	19:08:47
300.S	2	-11	155.00	19:06:01
275.S	3	-11	151.00	19:04:34
250.S	9	-10	146.00	19:02:57
225.S	8	-11	147.00	19:01:18
200.S	8	-10	151.00	18:59:51
175.S	13	-10	146.00	18:58:39
150.S	13	-9	145.00	18:57:16
125.S	17	-7	149.00	18:56:02
100.S	19	-5	156.00	18:54:20
75.S	22	-4	163.00	18:52:56
50.S	21	-3	168.00	18:51:48
25.S	17	-1	179.00	18:50:28
0.	12	-2	201.00	18:48:47
25.N	1	-5	192.00	18:47:24
50.N	-1	-3	183.00	18:45:54
75.N	-4	-1	171.00	18:44:33
100.N	-5	-0	166.00	18:43:06
175.N	-2	0	161.00	18:41:08
200.N	2	2	151.00	18:39:34
225.N	2	2	149.00	18:38:33
250.N	9	3	148.00	18:37:12
275.N	8	1	147.00	18:35:48
300.N	17	4	150.00	18:34:36
325.N	17	5	157.00	18:33:32
350.N	17	6	170.00	18:31:06
375.N	13	6	188.00	18:29:23
400.N	-5	-1	177.00	18:27:17
425.N	0	1	155.00	18:25:25
450.N	3	4	149.00	18:23:54
475.N	7	4	148.00	18:22:29
500.N	13	6	143.00	18:20:43
525.N	19	8	155.00	18:19:08
550.N	20	8	168.00	18:16:49
575.N	15	5	170.00	18:15:10
600.N	9	5	165.00	18:13:44

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2900.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	13	-7	155.00	19:27:06
375.S	14	-6	151.00	19:28:13
350.S	15	-5	152.00	19:29:49
325.S	13	-6	155.00	19:31:13
300.S	11	-8	156.00	19:32:33
275.S	13	-7	156.00	19:34:14
250.S	8	-11	156.00	19:35:58
225.S	12	-10	152.00	19:37:39
200.S	11	-10	144.00	19:39:28
175.S	12	-10	140.00	19:40:41
150.S	18	-9	139.00	19:42:32
125.S	20	-8	146.00	19:44:05
100.S	19	-9	148.00	19:46:24
75.S	23	-6	152.00	19:48:02
50.S	26	-0	170.00	19:50:04
25.S	13	-1	188.00	19:52:09
0.	2	-1	191.00	17:26:56
0.	4	-1	182.00	19:54:03
25.N	-4	-2	174.00	17:28:30
50.N	-2	-0	165.00	17:29:51
75.N	0	0	157.00	17:31:22
100.N	-2	0	153.00	17:32:42
125.N	2	1	149.00	17:34:13
150.N	6	0	140.00	17:35:43
175.N	12	2	139.00	17:37:51
200.N	11	3	142.00	17:39:41
225.N	17	4	150.00	17:41:34
250.N	18	4	156.00	17:43:29
275.N	14	4	161.00	17:45:08
300.N	18	6	168.00	17:47:00
325.N	10	5	173.00	17:49:04
350.N	6	5	172.00	17:50:48
375.N	8	6	169.00	17:52:35
400.N	9	6	166.00	17:54:09
425.N	10	6	160.00	17:55:44
450.N	10	7	161.00	17:57:22
475.N	14	8	165.00	17:58:47
500.N	10	7	164.00	18:00:07
525.N	8	7	163.00	18:01:49
550.N	8	7	159.00	18:03:21
575.N	8	7	158.00	18:04:53
600.N	12	9	154.00	18:06:31

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2800.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	18	-5	142.00	16:52:41
375.S	16	-7	140.00	16:53:49
350.S	16	-7	141.00	16:55:16
325.S	17	-7	141.00	16:56:47
300.S	16	-7	149.00	16:57:56
275.S	14	-9	150.00	16:59:42
250.S	18	-8	144.00	17:01:21
225.S	19	-7	143.00	17:02:41
200.S	17	-8	146.00	17:04:11
175.S	24	-6	146.00	17:05:32
150.S	23	-6	150.00	17:08:17
125.S	24	-3	156.00	17:09:47
100.S	27	-0	164.00	17:11:14
75.S	18	-1	180.00	17:13:23
50.S	11	-0	182.00	17:14:50
25.S	5	-0	179.00	17:16:39
0.	7	1	156.00	14:15:09
0.	4	1	167.00	17:19:44
25.N	7	4	147.00	14:17:33
50.N	7	5	144.00	14:19:19
75.N	9	3	142.00	14:20:50
100.N	7	3	140.00	14:22:16
125.N	13	4	138.00	14:23:52
150.N	12	4	137.00	14:25:20
175.N	14	1	132.00	14:26:47
200.N	20	5	136.00	14:29:08
225.N	21	4	138.00	14:30:40
250.N	20	4	144.00	14:32:15
275.N	22	4	151.00	14:33:56
300.N	19	3	153.00	14:35:32
325.N	15	5	157.00	14:36:57
350.N	14	5	162.00	14:39:06
375.N	13	5	163.00	14:41:06
400.N	8	3	161.00	14:43:20
425.N	5	3	159.00	14:45:07
450.N	7	6	148.00	14:46:38
475.N	10	7	150.00	14:48:36
500.N	9	6	150.00	14:49:53
525.N	5	6	142.00	14:51:01
550.N	10	8	140.00	14:52:27
575.N	19	13	142.00	14:53:44
600.N	16	11	147.00	14:55:08

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2700.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	13	-6	138.00	16:44:23
375.S	14	-7	141.00	16:42:52
350.S	18	-8	138.00	16:40:23
325.S	17	-8	142.00	16:38:13
300.S	17	-9	148.00	16:35:40
275.S	14	-9	142.00	16:34:23
250.S	19	-8	138.00	16:32:41
225.S	25	-6	146.00	16:31:01
200.S	28	-4	146.00	16:29:08
175.S	26	-1	151.00	16:27:31
150.S	24	-1	163.00	16:25:43
125.S	27	2	167.00	16:23:55
100.S	18	2	177.00	16:21:51
75.S	14	0	181.00	16:19:36
50.S	10	2	172.00	16:16:38
25.S	8	1	179.00	16:14:55
0.	2	-0	164.00	16:12:50
25.N	5	1	146.00	16:10:53
50.N	8	4	147.00	16:07:21
75.N	9	3	144.00	16:06:12
100.N	8	4	144.00	16:05:00
125.N	12	2	140.00	16:03:31
150.N	18	3	138.00	16:01:53
175.N	16	3	143.00	16:00:19
200.N	22	5	141.00	15:58:28
225.N	25	6	144.00	15:56:49
250.N	24	5	147.00	15:55:14
275.N	20	4	157.00	15:53:45
300.N	22	4	162.00	15:51:55
325.N	19	3	158.00	15:50:00
350.N	19	5	169.00	15:47:49
375.N	15	3	166.00	15:46:01
400.N	15	5	171.00	15:43:49
450.N	11	4	162.00	15:42:00
475.N	6	3	169.00	15:40:31
500.N	-0	3	158.00	15:36:55
525.N	9	8	152.00	15:33:54
550.N	13	9	146.00	15:32:28
575.N	14	12	145.00	15:31:07
600.N	17	13	143.00	15:30:01

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:UNCOR05.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 3000.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55800.7*		19:13:25	
375.S	55795.8*	-4.9	19:11:40	
350.S	55819.4*	23.6	19:10:15	
325.S	55833.9*	14.5	19:08:31	
300.S	55849.7*	15.8	19:05:44	
275.S	55843.6*	-6.1	19:04:16	
250.S	55847.4*	3.8	19:02:35	
225.S	55907.8*	60.4	19:00:59	
200.S	56039.5*	131.7	18:59:33	
175.S	55867.4*	-172.1	18:58:20	
150.S	55834.9*	-32.5	18:57:00	
125.S	55705.7*	-129.2	18:55:40	
100.S	55709.7*	4.0	18:54:05	
75.S	55740.0*	30.3	18:52:35	
50.S	55767.6*	27.6	18:51:28	
25.S	55765.5*	-2.1	18:50:11	
0.	55792.8*	27.3	18:48:29	
25.N	55782.1*	-10.7	18:47:06	
50.N	55802.0*	19.9	18:45:38	
75.N	55846.8*	44.8	18:44:17	
100.N	55743.8*	-103.0	18:42:49	
175.N	55805.5*	61.7	18:40:48	
200.N	55804.0*	-1.5	18:39:17	
225.N	55764.7*	-39.3	18:38:11	
250.N	55828.0*	63.3	18:36:55	
275.N	55837.4*	9.4	18:35:27	
300.N	55802.2*	-35.2	18:34:19	
325.N	55801.3*	-0.9	18:33:11	
350.N	55787.9*	-13.4	18:30:48	
375.N	55820.3*	32.4	18:29:02	
400.N	55835.6*	15.3	18:26:58	
425.N	55820.4*	-15.2	18:25:07	
450.N	55821.1*	0.7	18:23:35	
475.N	55828.7*	7.6	18:22:11	
500.N	55825.8*	-2.9	18:20:24	
525.N	55832.9*	7.1	18:18:50	
550.N	55834.1*	1.2	18:16:26	
575.N	55842.8*	8.7	18:14:47	
600.N	55861.8*	19.0	18:13:23	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2900.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55673.8*		19:26:49	
375.S	55705.2*	31.4	19:27:56	
350.S	55716.1*	10.9	19:29:31	
325.S	55749.2*	33.1	19:30:56	
300.S	55742.1*	-7.1	19:32:16	
275.S	55763.2*	21.1	19:33:57	
250.S	55928.9*	165.7	19:35:38	
225.S	55742.3*	-186.6	19:37:21	
200.S	55717.0*	-25.3	19:39:07	
175.S	55647.1*	-69.9	19:40:25	
150.S	55672.3*	25.2	19:41:59	
125.S	55709.7*	37.4	19:43:44	
100.S	55702.5*	-7.2	19:46:09	
75.S	55766.9*	64.4	19:47:42	
50.S	55737.3*	-29.6	19:49:47	
25.S	55696.7*	-40.6	19:51:49	
0.	55777.0*	80.3	17:26:34	
0.	55788.6*	11.6	19:53:47	
25.N	55726.5*	-62.1	17:28:13	
50.N	55731.5*	5.0	17:29:34	
75.N	55746.1*	14.6	17:31:05	
100.N	55758.2*	12.1	17:32:24	
125.N	55771.7*	13.5	17:33:55	
150.N	55770.7*	-1.0	17:35:26	
175.N	55768.3*	-2.4	17:37:19	
200.N	55783.5*	15.2	17:39:26	
225.N	55813.2*	29.7	17:41:17	
250.N	55830.1*	16.9	17:43:11	
275.N	55817.3*	-12.8	17:44:50	
300.N	55813.2*	-4.1	17:46:42	
325.N	55836.5*	23.3	17:48:45	
350.N	55850.6*	14.1	17:50:29	
375.N	55843.7*	-6.9	17:52:06	
400.N	55845.0*	1.3	17:53:51	
425.N	55856.1*	11.1	17:55:26	
450.N	55860.7*	4.6	17:57:04	
475.N	55863.5*	2.8	17:58:29	
500.N	55864.9*	1.4	17:59:51	
525.N	55858.1*	-6.8	18:01:32	
550.N	55861.0*	2.9	18:03:02	
575.N	55856.2*	-2.8	18:04:35	
600.N	55865.9*	7.7	18:06:07	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2800.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55652.8*		16:52:22	
375.S	55638.8*	-14.0	16:53:34	
350.S	55672.8*	34.0	16:54:59	
325.S	55678.8*	6.0	16:56:29	
300.S	55868.6*	189.8	16:57:33	
275.S	55669.2*	-199.4	16:59:24	
250.S	55726.2*	57.0	17:01:03	
225.S	55692.5*	-33.7	17:02:23	
200.S	55697.4*	5.1	17:03:54	
175.S	55690.8*	-6.6	17:05:12	
150.S	55725.4*	34.6	17:08:00	
125.S	55731.5*	6.1	17:09:30	
100.S	55725.8*	-5.7	17:10:54	
75.S	55752.4*	26.6	17:13:04	
50.S	55761.6*	9.2	17:14:34	
25.S	55768.6*	7.0	17:16:21	
0.	55731.2*	-37.4	14:14:46	
0.	55764.0*	32.8	17:19:26	
25.N	55746.0*	-18.0	14:17:18	
50.N	55766.1*	20.1	14:19:01	
75.N	55761.9*	-4.2	14:20:35	
100.N	55767.8*	5.9	14:21:59	
125.N	55765.1*	-2.7	14:23:36	
150.N	55773.9*	8.8	14:25:02	
175.N	55761.6*	-12.3	14:26:27	
200.N	55786.5*	24.9	14:28:48	
225.N	55789.4*	2.9	14:30:23	
250.N	55802.2*	12.8	14:31:58	
275.N	55804.3*	2.1	14:33:41	
300.N	55798.4*	-5.9	14:35:14	
325.N	55807.5*	9.1	14:36:39	
350.N	55811.7*	4.2	14:38:50	
375.N	55809.6*	-2.1	14:40:48	
400.N	55816.7*	7.1	14:43:04	
425.N	55816.0*	-0.7	14:44:48	
450.N	55826.1*	10.1	14:46:23	
475.N	55836.1*	10.0	14:48:22	
500.N	55842.2*	6.1	14:49:39	
525.N	55810.5*	-31.7	14:50:42	
550.N	55783.7*	-26.8	14:52:05	
575.N	55832.2*	48.5	14:53:24	
600.N	55844.8*	12.6	14:54:50	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2700.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55688.4*		16:44:06	
375.S	55867.6*	179.2	16:45:34	
350.S	55984.3*	116.7	16:40:05	
325.S	55490.6*	-493.7	16:37:56	
300.S	55404.9*	-85.7	16:35:19	
275.S	55524.5*	119.6	16:34:03	
250.S	55788.5*	264.0	16:32:23	
225.S	55530.7*	-257.8	16:30:43	
200.S	55611.1*	80.4	16:28:50	
175.S	55669.9*	58.8	16:27:14	
150.S	55703.7*	33.8	16:25:27	
125.S	55745.0*	41.3	16:23:26	
100.S	55747.8*	2.8	16:21:33	
75.S	55788.6*	40.8	16:19:20	
50.S	55839.3*	50.7	16:16:17	
25.S	55739.4*	-99.9	16:14:37	
0.	55756.3*	16.9	16:12:33	
25.N	55758.7*	2.4	16:10:35	
50.N	55793.7*	35.0	16:07:00	
75.N	55789.1*	-4.6	16:05:53	
100.N	55794.1*	5.0	16:04:43	
125.N	55790.7*	-3.4	16:03:14	
150.N	55795.2*	4.5	16:01:36	
175.N	55801.4*	6.2	16:00:02	
200.N	55806.0*	4.6	15:58:12	
225.N	55817.4*	11.4	15:56:27	
250.N	55812.3*	-5.1	15:54:59	
275.N	55818.5*	6.0	15:53:30	
300.N	55817.3*	-1.0	15:51:36	
325.N	55830.0*	12.7	15:49:40	
350.N	55835.2*	5.2	15:47:29	
375.N	55809.7*	-25.5	15:45:42	
400.N	55821.1*	11.4	15:43:31	
450.N	55821.1*	0.0	15:41:43	
475.N	55826.8*	5.7	15:40:14	
500.N	55821.8*	-5.0	15:36:36	
525.N	55838.6*	16.8	15:33:37	
550.N	55825.8*	-12.8	15:32:10	
575.N	55829.6*	3.8	15:30:52	
600.N	55830.6*	1.0	15:29:41	

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 2300.W

STATION	TOT-FLD	TIME
250.S	55824.0	14:30:32
225.S	55819.8	14:32:08
200.S	55817.0	14:34:10
175.S	55814.5	14:36:30
150.S	55811.6	14:39:00
125.S	55821.8	14:40:41
100.S	55820.9	14:42:39
75.S	55836.4	14:45:20
50.S	55847.3	14:47:40
25.S	55853.6	14:49:40
0.N	55852.5	14:51:44
25.N	55840.6	14:53:15
50.N	55850.4	14:55:28
75.N	55863.3	14:57:53
100.N	55848.1	14:59:44
125.N	55857.4	15:01:28
150.N	55871.3	15:05:47
175.N	55829.2	15:11:08
200.N	55864.0	15:18:08
225.N	55865.7	15:19:37
250.N	55876.7	15:21:26
275.N	55874.5	15:24:23
300.N	55885.3	15:25:50
325.N	55875.1	15:26:53
350.N	55884.9	15:32:08
375.N	55892.9	15:36:18

IGSEDIT Summary Page 2   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 2200.W

STATION	TOT-FLD	TIME
150.S	55800.5	17:04:48
125.S	55831.4	17:03:18
100.S	55824.4	17:01:23
75.S	55836.6	16:59:11
50.S	55837.8	16:56:50
25.S	55853.4	16:55:09
0.N	55862.6	16:52:22
25.N	55858.2	16:48:14
50.N	55857.7	16:46:31
75.N	55891.3	16:44:42
100.N	55865.3	16:42:46
125.N	55865.2	16:40:43
150.N	55881.2	16:38:50
175.N	55857.1	16:34:28
200.N	55874.1	16:32:39
225.N	55886.6	16:31:06
250.N	55882.9	16:29:56
275.N	55881.5	16:28:38
300.N	55889.9	16:27:26
325.N	55894.2	16:26:22
350.N	55920.1	16:25:02
375.N	55918.7	16:23:42
400.N	55907.0	16:22:10

IGSEDIT Summary Page 3   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 2100.W

STATION	TOT-FLD	TIME
400.S	55809.8	13:11:48
375.S	56036.7	13:10:26
350.S	56474.9	13:08:51
325.S	55758.1	13:07:33
300.S	55736.3	13:06:16
275.S	55798.4	13:05:00
250.S	55621.6	13:03:56
225.S	55748.1	13:02:53
200.S	55794.4	13:01:29
175.S	55838.5	13:00:01
150.S	55828.2	12:58:43
125.S	55790.1	12:57:44
100.S	55812.8	12:56:51
75.S	55808.0	12:54:36
50.S	55839.6	12:51:48
25.S	55834.3	12:49:55
0.N	55851.5	12:47:52
25.N	55864.4	12:46:24
50.N	55876.7	12:44:56
75.N	55866.1	12:43:26
100.N	55878.2	12:40:55
125.N	55892.7	12:38:47
150.N	55880.8	12:37:20
175.N	55884.6	12:35:38
200.N	55896.9	12:33:47
225.N	55886.3	12:30:01
250.N	55881.5	12:27:54
275.N	55911.0	12:25:33
300.N	55883.6	12:23:47
325.N	55893.0	12:21:41
350.N	55907.8	12:19:59
375.N	55907.3	12:18:04
400.N	55905.8	12:17:09
425.N	55904.2	12:16:03
450.N	55907.3	12:13:48
475.N	55915.2	12:12:46
500.N	55912.7	12:07:11
525.N	55913.9	12:06:11
550.N	55920.4	12:03:49
575.N	55910.0	12:10:52
600.N	55922.7	12:01:07
625.N	55912.8	12:09:54

IGSEDIT Summary Page 4   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 2000.W

STATION	TOT-FLD	TIME
400.S	56368.7	10:46:15
375.S	56216.9	10:47:33
350.S	56266.9	10:49:01
325.S	56167.6	10:51:11
300.S	56173.9	10:52:37
275.S	56126.2	10:54:09
250.S	57403.3	10:55:26
225.S	56559.5	10:56:51
200.S	55432.3	10:58:55
175.S	55651.9	11:03:59
150.S	55716.8	11:05:29
125.S	55766.5	11:08:16
100.S	55822.3	11:09:37
75.S	56375.3	11:11:10
50.S	55835.4	11:12:18
25.S	55843.9	11:13:22
0.N	55851.2	11:15:42
25.N	55876.5	11:17:49
50.N	55904.3	11:19:16
75.N	55910.9	11:20:38
100.N	55886.5	11:22:20
125.N	55916.9	11:23:52
150.N	55877.7	11:25:16
175.N	55895.1	11:26:53
200.N	55881.8	11:28:31
225.N	55901.5	11:29:48
250.N	56020.3	11:30:59
275.N	55895.4	11:32:26
300.N	55894.1	11:33:45
325.N	55905.5	11:35:14
350.N	55912.6	11:36:37
375.N	55899.6	11:38:18
400.N	55909.9	11:40:01
425.N	55912.2	11:41:38
450.N	55921.4	11:42:57
475.N	55908.2	11:44:10
500.N	55915.4	11:45:32
525.N	55931.6	11:47:16
550.N	55924.3	11:48:40
575.N	55921.7	11:50:13
600.N	55923.9	11:51:32

IGSEDIT Summary Page 5   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 1900.W

STATION	TOT-FLD	TIME
400.S	56797.3	08:25:01
375.S	56484.0	08:26:25
350.S	57382.5	08:27:44
325.S	56868.8	08:29:10
300.S	57809.6	08:31:20
275.S	56818.2	08:32:54
250.S	57499.4	08:34:14
225.S	57396.0	08:36:00
212.5S	55605.2	08:37:58
200.S	55359.6	08:38:57
175.S	55803.5	08:39:59
150.S	56048.9	08:41:01
125.S	55621.4	08:42:10
100.S	55752.0	08:43:31
75.S	55796.8	08:44:47
50.S	55819.5	08:45:56
25.S	55843.3	08:47:23
0.N	55862.3	08:48:39
25.N	55932.6	08:49:46
50.N	55887.5	08:51:03
75.N	56436.2	08:52:25
100.N	55831.7	08:53:32
125.N	55829.4	08:56:19
150.N	55858.4	08:57:54
175.N	55874.5	08:59:15
200.N	55892.4	09:00:37
225.N	55922.3	09:01:59
250.N	55878.0	09:03:26
275.N	55859.1	09:04:54
300.N	55911.5	09:06:27
325.N	55897.6	09:08:10
350.N	55909.0	09:09:24
375.N	55909.9	09:10:40
400.N	55920.5	09:11:46
425.N	55908.1	09:13:11
450.N	55913.4	09:14:25
475.N	55924.2	09:15:47
500.N	55916.9	09:17:04
525.N	55922.1	09:18:28
550.N	55920.6	09:20:02
575.N	55920.3	09:22:13
600.N	55911.0	09:23:56

IGSEDIT Summary Page 6   EDITED DATA FILE --> B:MAG06.CLN

GRID: 1. LINE: 1800.W

STATION	TOT-FLD	TIME
400.S	56241.8	10:31:05
375.S	56263.5	10:29:57
350.S	57263.4	10:28:27
325.S	55804.8	10:26:17
312.5S	54129.6	10:25:20
300.S	54504.8	10:23:47
275.S	55251.5	10:22:48
250.S	55838.5	10:21:48
225.S	55080.6	10:20:51
200.S	55473.7	10:19:52
175.S	55455.4	10:18:35
150.S	55708.8	10:17:16
125.S	55712.1	10:15:31
100.S	55741.5	10:14:01
75.S	55799.2	10:12:32
50.S	55814.9	10:10:51
25.S	55824.5	10:09:17
0.N	55833.5	10:07:59
25.N	55839.5	10:06:19
50.N	55854.3	10:04:49
75.N	55853.0	10:03:24
100.N	55850.9	10:02:06
125.N	55848.1	10:00:48
150.N	55863.3	09:59:25
175.N	55869.9	09:58:06
200.N	55881.8	09:56:30
225.N	55897.0	09:55:00
250.N	55929.0	09:53:24
275.N	55890.6	09:52:12
300.N	55867.6	09:50:50
325.N	55878.2	09:49:07
350.N	55879.1	09:47:41
375.N	55883.9	09:46:17
400.N	55879.2	09:44:36
425.N	55902.4	09:43:01
450.N	55933.3	09:41:36
475.N	55923.8	09:39:31

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 2300.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.S	22	-1	150.00	14:30:53
225.S	20	-2	146.00	14:32:28
200.S	19	-3	144.00	14:34:27
175.S	22	-3	142.00	14:36:48
150.S	24	-0	137.00	14:39:16
125.S	24	1	140.00	14:40:57
100.S	25	5	142.00	14:42:56
75.S	24	6	148.00	14:45:36
50.S	24	5	154.00	14:47:58
25.S	19	4	162.00	14:49:56
0.N	16	2	159.00	14:52:02
25.N	12	-0	159.00	14:53:33
50.N	10	0	149.00	14:55:43
75.N	16	3	146.00	14:58:12
100.N	18	4	149.00	14:59:59
125.N	18	3	147.00	15:01:44
150.N	19	4	148.00	15:06:07
175.N	19	4	145.00	15:11:24
200.N	20	6	146.00	15:18:24
225.N	22	7	144.00	15:19:53
250.N	24	8	148.00	15:21:43
275.N	27	9	152.00	15:24:37
300.N	26	7	157.00	15:26:08
325.N	23	7	164.00	15:27:11
350.N	22	6	165.00	15:32:27
375.N	18	3	167.00	15:36:36

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 2200.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
150.S	21	1	143.00	17:05:05
125.S	22	2	148.00	17:03:37
100.S	23	4	151.00	17:01:42
75.S	26	8	158.00	16:59:29
50.S	24	6	160.00	16:57:14
25.S	22	6	163.00	16:55:29
0.N	17	2	158.00	16:52:36
25.N	16	1	155.00	16:48:30
50.N	15	0	162.00	16:46:48
75.N	15	0	158.00	16:44:59
100.N	19	4	154.00	16:43:04
125.N	22	4	160.00	16:40:59
150.N	20	2	161.00	16:39:06
175.N	19	1	156.00	16:34:43
200.N	23	4	153.00	16:33:00
225.N	23	5	155.00	16:31:20
250.N	22	6	159.00	16:30:11
275.N	23	5	162.00	16:28:55
300.N	25	5	163.00	16:27:40
325.N	22	5	168.00	16:26:38
350.N	22	2	167.00	16:25:19
375.N	22	4	165.00	16:23:58
400.N	23	4	163.00	16:22:29

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 2100.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	24	2	144.00	13:12:04
375.S	20	0	143.00	13:10:45
350.S	20	0	145.00	13:09:14
325.S	20	-1	142.00	13:07:52
300.S	19	-3	149.00	13:06:36
275.S	18	-2	149.00	13:05:16
250.S	16	-6	148.00	13:04:14
225.S	17	-7	139.00	13:03:10
200.S	18	-7	140.00	13:01:49
175.S	20	-4	139.00	13:00:19
150.S	19	-2	140.00	12:59:01
125.S	23	-1	141.00	12:58:01
100.S	22	0	140.00	12:57:08
75.S	22	3	141.00	12:54:54
50.S	23	5	143.00	12:52:06
25.S	23	4	146.00	12:50:13
0.N	24	5	151.00	12:48:15
25.N	24	3	147.00	12:46:40
50.N	22	2	147.00	12:45:15
75.N	22	0	146.00	12:43:49
100.N	21	0	146.00	12:41:13
125.N	22	0	144.00	12:39:02
150.N	23	2	145.00	12:37:37
175.N	24	3	148.00	12:35:56
200.N	23	1	151.00	12:34:03
225.N	25	3	148.00	12:30:19
250.N	27	3	151.00	12:28:11
275.N	23	2	152.00	12:25:51
300.N	25	3	165.00	12:24:05
325.N	21	0	163.00	12:21:58
350.N	20	0	158.00	12:20:19
375.N	22	1	161.00	12:18:22
400.N	20	3	157.00	12:17:26
425.N	22	3	167.00	12:16:32
450.N	14	-5	163.00	12:14:06
475.N	16	-0	158.00	12:13:05
500.N	21	8	161.00	12:07:28
525.N	20	10	160.00	12:06:26
550.N	19	10	165.00	12:04:07
575.N	18	2	158.00	12:11:10
600.N	20	13	167.00	12:01:28
625.N	21	5	150.00	12:10:14

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 2000.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	17	-3	145.00	10:46:40
375.S	17	-2	144.00	10:47:50
350.S	19	-2	143.00	10:49:18
325.S	20	-0	145.00	10:51:34
300.S	19	-0	144.00	10:52:57
275.S	18	-3	145.00	10:54:26
250.S	20	-6	140.00	10:55:44
225.S	21	-5	139.00	10:57:09
200.S	22	-6	141.00	10:59:15
175.S	21	-4	143.00	11:04:17
150.S	23	-1	141.00	11:05:49
125.S	23	1	145.00	11:08:32
100.S	22	0	146.00	11:09:55
75.S	24	1	148.00	11:11:29
50.S	25	2	144.00	11:12:39
25.S	25	3	147.00	11:13:45
0.N	23	1	151.00	11:15:57
25.N	20	1	150.00	11:18:06
50.N	22	-0	148.00	11:19:34
75.N	20	-3	146.00	11:20:56
100.N	20	-0	145.00	11:22:37
125.N	22	0	141.00	11:24:11
150.N	23	1	141.00	11:25:33
175.N	25	3	146.00	11:27:12
200.N	27	3	147.00	11:28:54
225.N	27	4	150.00	11:30:03
250.N	23	3	151.00	11:31:18
275.N	25	4	153.00	11:32:47
300.N	24	1	157.00	11:34:00
325.N	23	-0	160.00	11:35:33
350.N	19	-2	158.00	11:36:53
375.N	17	-0	156.00	11:38:36
400.N	20	-0	157.00	11:40:19
425.N	21	0	154.00	11:41:56
450.N	19	0	162.00	11:43:14
475.N	14	-6	161.00	11:44:24
500.N	16	-3	155.00	11:45:49
525.N	19	0	151.00	11:47:43
550.N	19	0	151.00	11:48:58
575.N	18	3	152.00	11:50:32
600.N	21	5	156.00	11:51:48

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 1900.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	19	-3	151.00	08:25:25
375.S	18	-3	149.00	08:26:41
350.S	19	-3	150.00	08:28:04
325.S	21	-2	151.00	08:29:30
300.S	22	-3	149.00	08:31:43
275.S	21	-4	150.00	08:33:14
250.S	22	-4	146.00	08:34:37
225.S	23	-4	144.00	08:36:20
212.5S	23	-4	149.00	08:38:19
200.S	24	-4	150.00	08:39:15
175.S	25	-3	147.00	08:40:19
150.S	27	-2	148.00	08:41:23
125.S	28	-2	152.00	08:42:31
100.S	26	-1	155.00	08:43:45
75.S	26	-1	156.00	08:45:05
50.S	23	-4	159.00	08:46:27
25.S	21	-4	159.00	08:47:45
0.N	23	-5	160.00	08:48:56
25.N	21	-3	156.00	08:50:06
50.N	21	-5	160.00	08:51:20
75.N	22	-5	156.00	08:52:43
100.N	22	-5	155.00	08:54:03
125.N	22	-3	150.00	08:56:36
150.N	24	-2	155.00	08:58:12
175.N	27	-1	157.00	08:59:40
200.N	27	1	164.00	09:00:53
225.N	24	-1	164.00	09:02:16
250.N	25	-0	167.00	09:03:40
275.N	21	-1	173.00	09:05:09
300.N	17	-3	178.00	09:06:44
325.N	14	-6	171.00	09:08:27
350.N	16	-6	172.00	09:09:41
375.N	15	-7	165.00	09:10:58
400.N	14	-5	162.00	09:12:04
425.N	19	-4	159.00	09:13:29
450.N	16	-5	164.00	09:14:40
475.N	13	-7	161.00	09:16:04
500.N	15	-4	160.00	09:17:21
525.N	18	-3	161.00	09:18:43
550.N	18	-0	159.00	09:20:19
575.N	19	0	164.00	09:22:31
600.N	19	-0	164.00	09:24:16

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNLK06.CLN

GRID: 1. LINE: 1800.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	21	-3	153.00	10:31:24
375.S	19	-3	152.00	10:30:12
350.S	22	-2	150.00	10:28:46
325.S	20	-5	148.00	10:26:39
312.5S	22	-5	150.00	10:25:41
300.S	18	-6	152.00	10:24:10
275.S	20	-6	152.00	10:23:06
250.S	20	-5	150.00	10:22:06
225.S	21	-4	147.00	10:21:09
200.S	23	-3	149.00	10:20:11
175.S	22	-2	149.00	10:18:52
150.S	22	-2	157.00	10:17:35
125.S	21	-5	159.00	10:16:04
100.S	18	-6	157.00	10:14:15
75.S	16	-6	161.00	10:12:49
50.S	17	-7	158.00	10:11:09
25.S	16	-6	157.00	10:09:34
0.N	17	-7	154.00	10:08:17
25.N	18	-5	151.00	10:06:36
50.N	18	-4	151.00	10:05:05
75.N	20	-2	146.00	10:03:42
100.N	23	1	145.00	10:02:24
125.N	25	1	149.00	10:01:06
150.N	27	3	154.00	09:59:44
175.N	26	3	160.00	09:58:24
200.N	24	1	165.00	09:56:51
225.N	20	0	173.00	09:55:25
250.N	16	-2	178.00	09:53:39
275.N	14	-5	180.00	09:52:30
300.N	7	-8	180.00	09:51:05
325.N	2	-10	171.00	09:49:23
350.N	0	-12	166.00	09:47:59
375.N	2	-12	161.00	09:46:34
400.N	2	-12	153.00	09:44:55
425.N	4	-9	152.00	09:43:23
450.N	11	-7	152.00	09:41:54
475.N	12	-5	152.00	09:39:50

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 2300.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.S	24	21	9.07	14:31:11
225.S	24	21	8.88	14:32:48
200.S	23	21	8.98	14:34:44
175.S	22	21	9.18	14:37:04
150.S	21	20	9.35	14:39:32
125.S	19	17	9.43	14:41:10
100.S	22	15	9.58	14:43:09
75.S	22	15	9.81	14:45:50
50.S	24	15	10.50	14:48:15
25.S	25	15	10.30	14:50:10
0.N	28	17	10.30	14:52:19
25.N	34	21	10.20	14:54:10
50.N	36	24	9.94	14:56:16
75.N	38	23	9.81	14:58:34
100.N	34	21	9.74	15:00:16
125.N	35	18	9.78	15:01:58
150.N	34	19	9.80	15:06:46
175.N	35	20	9.50	15:11:41
200.N	38	19	9.74	15:18:40
225.N	37	21	9.55	15:20:08
250.N	37	17	10.00	15:21:59
275.N	34	15	10.10	15:24:53
300.N	31	14	10.00	15:26:25
325.N	34	15	10.10	15:27:25
350.N	32	15	10.20	15:32:41
375.N	35	15	10.30	15:36:51

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 2200.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
150.S	26	25	8.91	17:05:19
125.S	23	22	9.22	17:03:53
100.S	22	19	9.40	17:01:55
75.S	19	19	9.36	17:01:05
50.S	22	16	9.56	16:57:38
25.S	22	15	10.10	16:55:46
0.N	21	15	10.50	16:52:50
25.N	26	14	10.60	16:48:43
50.N	26	18	10.50	16:47:01
75.N	28	17	10.20	16:45:12
100.N	25	17	10.40	16:43:15
125.N	29	17	10.60	16:41:12
150.N	29	18	10.40	16:39:19
175.N	31	18	10.30	16:34:59
200.N	27	16	10.50	16:33:14
225.N	29	15	10.50	16:31:36
250.N	27	14	10.40	16:30:25
275.N	25	15	10.50	16:29:08
300.N	26	15	10.80	16:27:53
325.N	28	15	10.60	16:26:51
350.N	29	15	10.70	16:25:32
375.N	27	14	10.70	16:24:12
400.N	26	14	9.81	16:22:44

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 2100.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	15	13	11.20	13:12:18
375.S	18	14	10.60	13:10:58
350.S	19	15	10.90	13:09:32
325.S	19	16	10.70	13:08:07
300.S	19	17	10.60	13:06:56
275.S	20	18	10.70	13:05:35
250.S	19	20	10.60	13:04:28
225.S	18	19	10.60	13:03:26
200.S	20	18	10.60	13:02:02
175.S	18	18	11.00	13:00:34
150.S	16	18	10.80	12:59:17
125.S	17	18	10.50	12:58:14
100.S	16	17	10.60	12:57:23
75.S	18	18	10.50	12:55:10
50.S	16	16	10.30	12:52:20
25.S	18	16	10.20	12:50:29
0.N	15	14	10.30	12:48:32
25.N	16	12	10.60	12:46:54
50.N	17	12	10.60	12:45:29
75.N	17	13	10.70	12:44:04
100.N	17	14	10.60	12:41:30
125.N	21	15	10.50	12:39:15
150.N	22	13	10.50	12:37:55
175.N	22	13	10.90	12:36:13
200.N	23	16	10.60	12:34:20
225.N	26	17	10.40	12:30:37
250.N	26	15	10.30	12:28:26
275.N	22	16	10.40	12:26:07
300.N	19	15	10.40	12:24:21
325.N	19	15	10.30	12:22:15
350.N	19	15	10.40	12:20:36
375.N	15	13	10.80	12:18:35
400.N	13	12	10.80	12:17:35
425.N	13	11	10.80	12:16:45
450.N	13	12	10.80	12:14:19
475.N	12	10	10.80	12:13:19
500.N	9	9	10.80	12:07:45
525.N	6	7	10.80	12:06:42
550.N	11	8	10.70	12:04:24
575.N	9	10	10.80	12:11:23
600.N	11	7	10.50	12:01:49
625.N	10	10	10.50	12:10:27

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 2000.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	7	7	7.17	10:46:57
375.S	3	7	7.19	10:48:03
350.S	4	6	7.22	10:49:34
325.S	4	7	7.35	10:51:51
300.S	5	6	7.35	10:53:10
275.S	5	7	7.54	10:54:42
250.S	8	10	7.52	10:55:58
225.S	6	10	7.49	10:57:25
200.S	7	12	7.71	10:59:29
175.S	10	13	7.68	11:04:30
150.S	7	12	7.83	11:06:03
125.S	7	11	7.98	11:08:52
100.S	11	11	7.88	11:10:13
75.S	9	11	8.13	11:11:42
50.S	8	8	8.24	11:12:54
25.S	7	9	8.04	11:14:01
0.N	9	10	8.09	11:16:12
25.N	7	9	8.10	11:18:19
50.N	9	7	8.30	11:19:48
75.N	9	9	8.46	11:21:08
100.N	7	8	8.27	11:22:50
125.N	6	7	8.37	11:24:26
150.N	6	6	8.40	11:25:46
175.N	9	7	8.72	11:27:25
200.N	8	7	8.79	11:29:12
225.N	7	5	9.06	11:30:19
250.N	8	6	9.15	11:31:35
275.N	8	6	9.10	11:33:00
300.N	9	8	9.22	11:34:15
325.N	7	8	9.30	11:35:52
350.N	4	8	9.34	11:37:08
375.N	6	11	9.43	11:38:50
400.N	7	12	9.58	11:40:33
425.N	3	7	10.30	11:42:16
450.N	2	7	10.20	11:43:28
475.N	0	8	10.20	11:44:41
500.N	1	8	10.20	11:46:12
525.N	0	7	10.10	11:48:04
550.N	1	6	9.84	11:49:22
575.N	-1	7	9.75	11:50:46
600.N	-0	6	9.66	11:52:09

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 1900.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	0	1	5.11	08:25:46
375.S	-2	1	5.54	08:26:55
350.S	-4	2	5.58	08:28:18
325.S	-2	2	5.65	08:29:45
300.S	-5	1	5.77	08:31:58
275.S	-4	0	5.95	08:33:28
250.S	-8	0	5.83	08:34:53
225.S	-7	0	6.06	08:36:35
212.5S	-8	0	6.21	08:38:32
200.S	-9	0	6.24	08:39:29
175.S	-5	0	6.14	08:40:34
150.S	-4	1	6.34	08:41:41
125.S	-5	0	6.42	08:42:46
100.S	-6	0	6.29	08:44:02
75.S	-8	-1	6.42	08:45:18
50.S	-6	0	6.37	08:46:38
25.S	-9	-1	6.43	08:47:59
0.N	-6	-2	6.49	08:49:10
25.N	-9	-3	6.41	08:50:25
50.N	-10	-4	6.39	08:51:36
75.N	-7	-5	6.39	08:52:58
100.N	-7	-2	6.31	08:54:17
125.N	-9	-4	6.31	08:56:50
150.N	-10	-5	6.39	08:58:26
175.N	-11	-4	6.43	08:59:53
200.N	-12	-3	6.45	09:01:06
225.N	-12	-4	6.38	09:02:28
250.N	-10	-4	6.30	09:03:55
275.N	-13	-4	6.24	09:05:23
300.N	-15	-6	6.26	09:06:58
325.N	-15	-6	6.19	09:08:46
350.N	-17	-5	6.14	09:10:07
375.N	-18	-5	5.97	09:11:12
400.N	-18	-5	6.21	09:12:16
425.N	-21	-5	6.15	09:13:46
450.N	-24	-4	6.19	09:14:55
475.N	-21	-4	6.15	09:16:22
500.N	-22	-3	6.06	09:17:39
525.N	-21	-3	6.05	09:18:58
550.N	-25	-5	6.08	09:20:44
575.N	-24	-5	6.18	09:22:50
600.N	-23	-4	6.05	09:24:36

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNPM06.CLN

GRID: 1. LINE: 1800.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-16	-11	6.54	10:31:38
375.S	-17	-11	6.50	10:30:25
350.S	-17	-11	6.48	10:28:59
325.S	-16	-10	6.34	10:26:52
312.5S	-16	-11	6.42	10:25:56
300.S	-19	-12	6.44	10:24:24
275.S	-15	-13	6.32	10:23:23
250.S	-19	-12	6.30	10:22:23
225.S	-19	-13	6.24	10:21:23
200.S	-19	-12	6.30	10:20:24
175.S	-21	-13	6.27	10:19:05
150.S	-24	-14	6.27	10:17:49
125.S	-26	-16	6.27	10:16:19
100.S	-23	-16	6.21	10:14:28
75.S	-22	-15	6.21	10:13:04
50.S	-17	-14	6.22	10:11:25
25.S	-18	-13	6.21	10:09:49
0.N	-17	-12	6.17	10:08:30
25.N	-13	-13	5.96	10:06:55
50.N	-17	-13	6.10	10:05:21
75.N	-16	-13	6.07	10:03:55
100.N	-14	-13	6.05	10:02:39
125.N	-16	-11	6.07	10:01:24
150.N	-22	-12	6.13	10:00:00
175.N	-20	-10	6.06	09:58:39
200.N	-21	-11	6.07	09:57:08
225.N	-24	-12	5.99	09:55:42
250.N	-20	-8	5.99	09:53:54
275.N	-20	-8	5.93	09:52:49
300.N	-21	-8	5.89	09:51:21
325.N	-24	-10	5.78	09:49:40
350.N	-25	-14	5.71	09:48:12
375.N	-28	-13	5.55	09:46:52
400.N	-29	-12	5.45	09:45:08
425.N	-31	-10	5.30	09:43:38
450.N	-29	-10	5.22	09:42:12
475.N	-33	-8	5.30	09:40:25

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:MAG07.CLN

GRID: 1. LINE: 2600.W

STATION	TOT-FLD	TIME
275.S	55904.2	11:23:20
250.S	55702.2	11:22:12
225.S	55693.7	11:20:44
200.S	55760.6	11:16:01
175.S	55721.7	11:14:47
150.S	55747.7	11:13:47
125.S	55795.7	11:12:19
100.S	55782.9	11:10:26
75.S	55813.5	11:07:17
50.S	55839.6	11:00:02
25.S	55791.4	10:57:11
0.N	55784.1	10:55:18
25.N	55788.1	10:53:28
50.N	55792.2	10:51:55
75.N	55802.1	10:48:08
100.N	55807.2	10:46:00
125.N	55836.5	10:43:54
150.N	55830.6	10:40:32
175.N	55829.5	09:52:08
200.N	55823.5	09:53:19
225.N	55828.2	09:54:43
250.N	55842.8	09:58:17
275.N	55835.3	10:00:50
300.N	55843.1	10:02:38
325.N	55847.3	10:05:01
350.N	55845.6	10:07:32
375.N	55844.4	10:09:43
400.N	56017.2	10:15:49
425.N	55852.0	10:18:28
450.N	55962.7	10:21:31

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:MAG07.CLN

GRID: 1. LINE: 2500.W

STATION	TOT-FLD	TIME
50.S	55855.0	08:50:37
25.S	55833.7	08:48:32
0.N	55797.2	08:46:42
25.N	55812.8	08:45:03
50.N	55812.7	08:42:59
75.N	55816.5	08:41:39
100.N	55820.8	08:38:38
125.N	55831.2	08:36:35
150.N	55838.5	08:34:49
175.N	55836.0	08:33:11
200.N	55848.2	08:31:02
225.N	55841.8	08:29:00
250.N	55851.9	08:27:00
275.N	55849.3	08:23:37
300.N	55641.2	08:20:01
325.N	55879.3	08:17:21
350.N	55867.5	08:14:20
375.N	55869.5	08:12:15
400.N	55895.8	08:09:53
425.N	55866.6	08:08:14
450.N	55881.0	08:05:33
475.N	55886.7	08:03:42
500.N	55900.5	08:02:17

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:MAG07.CLN

GRID: 1. LINE: 2400.W

STATION	TOT-FLD	TIME
325.S	55786.8	09:34:25
300.S	55794.0	09:32:35
275.S	55805.2	09:30:26
250.S	55809.5	09:27:51
225.S	55804.0	09:25:13
200.S	55812.9	09:22:18
175.S	55897.7	09:20:00
150.S	55800.4	09:18:10
125.S	55819.4	09:16:36
75.S	55845.4	06:26:00
50.S	55839.2	06:27:49
25.S	55833.4	06:30:41
0.N	55833.7	06:32:55
25.N	55818.1	06:34:56
50.N	55828.4	06:37:41
75.N	55819.0	06:39:31
100.N	55828.8	06:41:59
125.N	55841.7	06:43:20
150.N	55809.7	06:45:21
175.N	55849.2	06:48:42
200.N	55852.3	06:51:42
225.N	55862.0	06:53:55
250.N	55881.2	06:56:23
275.N	55188.8	06:58:31
300.N	55864.2	07:01:22
325.N	55876.0	07:03:26
350.N	55889.4	07:05:30
375.N	55901.6	07:08:22
400.N	55894.5	07:10:05
425.N	55885.9	07:12:18
450.N	55903.6	07:14:56
475.N	55901.4	07:18:11
500.N	55909.4	07:19:51
525.N	55902.1	07:21:33
550.N	55897.3	07:24:15
575.N	55910.1	07:28:11
600.N	55909.5	07:29:24

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNLK07.CLN

GRID: 1. LINE: 2600.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
50.S	11	5	169.00	11:04:37
25.S	6	1	172.00	10:57:29
0.N	5	2	158.00	10:55:41
25.N	4	0	146.00	10:53:46
50.N	7	1	139.00	10:52:18
75.N	10	4	142.00	10:48:24
100.N	13	6	138.00	10:46:20
125.N	13	3	138.00	10:44:12
150.N	15	4	138.00	10:40:51
175.N	18	4	141.00	09:52:29
200.N	20	5	143.00	09:53:35
225.N	16	4	143.00	09:55:01
250.N	20	3	147.00	09:58:34
275.N	18	2	152.00	10:01:07
300.N	19	4	150.00	10:02:56
325.N	19	5	156.00	10:05:19
350.N	20	5	164.00	10:07:46
375.N	16	4	171.00	10:10:01
400.N	11	4	162.00	10:16:08
425.N	14	5	163.00	10:18:47

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNLK07.CLN

GRID: 1. LINE: 2500.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
50.S	17	7	179.00	08:50:56
25.S	11	4	179.00	08:48:50
0.N	5	1	174.00	08:47:02
25.N	3	0	161.00	08:45:18
50.N	8	3	156.00	08:43:18
75.N	7	4	144.00	08:41:57
100.N	10	3	154.00	08:38:56
125.N	12	5	148.00	08:36:52
150.N	14	6	150.00	08:35:06
175.N	16	6	148.00	08:33:30
200.N	18	8	148.00	08:31:19
225.N	20	8	152.00	08:29:14
250.N	20	7	158.00	08:27:19
275.N	21	6	159.00	08:23:54
300.N	22	7	167.00	08:20:20
325.N	20	8	165.00	08:17:39
350.N	21	6	178.00	08:14:42
375.N	15	3	173.00	08:12:31
400.N	16	5	172.00	08:10:10
425.N	16	4	167.00	08:08:28
450.N	13	5	166.00	08:05:48
475.N	14	8	170.00	08:03:59
500.N	16	9	169.00	08:02:35

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNLK07.CLN

GRID: 1. LINE: 2400.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	23	-2	154.00	09:34:43
300.S	22	-4	151.00	09:32:50
275.S	19	-3	143.00	09:30:41
250.S	25	0	144.00	09:28:05
225.S	20	-0	153.00	09:25:30
200.S	21	-1	147.00	09:22:37
175.S	24	-0	144.00	09:20:17
150.S	27	5	155.00	09:18:24
125.S	21	3	156.00	09:16:54
75.S	19	3	145.00	06:26:21
50.S	19	4	150.00	06:28:06
25.S	18	4	149.00	06:30:59
0.N	14	1	160.00	06:33:11
25.N	9	-1	151.00	06:35:18
50.N	13	1	141.00	06:37:59
75.N	14	3	142.00	06:39:48
100.N	14	3	148.00	06:42:16
125.N	13	2	143.00	06:43:37
150.N	15	4	137.00	06:45:37
175.N	19	6	138.00	06:48:59
200.N	22	7	138.00	06:51:58
225.N	25	7	144.00	06:54:12
250.N	24	9	147.00	06:56:40
275.N	24	10	152.00	06:58:49
300.N	25	9	155.00	07:01:43
325.N	25	6	164.00	07:03:45
350.N	20	3	168.00	07:05:44
375.N	21	7	156.00	07:08:37
400.N	21	7	168.00	07:10:20
425.N	18	4	169.00	07:12:36
450.N	20	4	164.00	07:15:12
475.N	20	5	167.00	07:18:29
500.N	18	7	166.00	07:20:09
525.N	21	8	171.00	07:21:52
550.N	17	8	177.00	07:24:34
575.N	18	12	179.00	07:28:34
600.N	17	12	178.00	07:29:42

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNPM07.CLN

GRID: 1. LINE: 2600.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
50.S	27	18	4.34	11:04:09
25.S	31	18	4.28	10:57:46
0.N	30	18	4.27	10:55:54
25.N	32	21	4.12	10:54:01
50.N	38	25	3.78	10:52:37
75.N	37	25	3.82	10:48:38
100.N	34	21	3.86	10:46:36
125.N	33	22	3.92	10:44:29
150.N	30	19	3.92	10:41:05
175.N	22	17	3.46	09:52:45
200.N	22	16	3.45	09:53:54
225.N	23	20	3.39	09:55:15
250.N	27	22	3.41	09:58:55
275.N	24	21	3.53	10:01:25
300.N	26	23	3.54	10:03:13
325.N	22	17	3.62	10:05:35
350.N	28	21	3.64	10:08:01
375.N	29	21	3.71	10:10:16
400.N	32	17	3.82	10:16:38
425.N	31	18	3.90	10:19:01

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNPM07.CLN

GRID: 1. LINE: 2500.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
50.S	30	20	3.66	08:51:11
25.S	32	20	3.63	08:49:05
0.N	39	20	3.65	08:47:20
25.N	37	23	3.46	08:45:32
50.N	33	22	3.43	08:43:32
75.N	36	24	3.26	08:42:12
100.N	45	29	3.16	08:39:22
125.N	39	23	3.18	08:37:19
150.N	35	24	3.23	08:35:21
175.N	31	24	3.09	08:33:42
200.N	34	23	3.15	08:31:37
225.N	26	19	3.06	08:29:30
250.N	29	21	3.12	08:27:31
275.N	31	24	2.93	08:24:13
300.N	25	23	2.97	08:20:34
325.N	29	24	2.71	08:18:02
350.N	26	25	2.29	08:15:00
375.N	30	25	2.18	08:12:48
400.N	24	20	2.07	08:10:42
425.N	32	29	1.83	08:08:47
450.N	26	25	1.51	08:06:04
475.N	27	19	1.52	08:04:14
500.N	27	18	1.54	08:02:53

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNPM07.CLN

GRID: 1. LINE: 2400.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	30	24	4.06	09:35:01
300.S	27	26	4.00	09:33:07
275.S	25	24	4.06	09:30:58
250.S	24	22	4.09	09:28:20
225.S	27	25	4.10	09:25:47
200.S	24	25	4.22	09:22:50
175.S	22	24	4.27	09:20:32
150.S	21	18	4.24	09:18:40
125.S	20	19	4.26	09:17:08
75.S	20	15	9.49	06:26:42
50.S	23	14	9.50	06:28:25
25.S	25	13	9.21	06:31:13
0.N	30	17	9.29	06:33:32
25.N	37	24	8.77	06:35:50
50.N	40	22	8.58	06:38:18
75.N	35	21	8.57	06:40:05
100.N	35	20	8.73	06:42:32
125.N	34	22	8.71	06:43:53
150.N	37	21	8.40	06:45:53
175.N	37	25	8.02	06:49:15
200.N	37	21	7.90	06:52:18
225.N	34	19	7.72	06:54:28
250.N	32	17	7.53	06:56:55
275.N	33	22	6.67	06:59:05
300.N	31	14	6.18	07:02:02
325.N	35	22	5.36	07:04:04
350.N	38	22	5.17	07:06:16
375.N	37	19	4.24	07:08:54
400.N	42	26	4.06	07:10:43
425.N	32	20	3.62	07:12:59
450.N	33	29	3.03	07:15:31
475.N	31	25	2.01	07:18:51
500.N	36	36	1.75	07:20:56
525.N	36	29	1.76	07:22:12
550.N	26	26	1.84	07:24:54
575.N	30	27	1.51	07:28:56
600.N	36	29	1.58	07:30:07

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> B:VLFNLK04.CLN

GRID: 1. LINE: 1700.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
350.S	21	-4	154.00	10:35:40
325.S	20	-3	153.00	10:33:58
300.S	19	-4	152.00	10:32:02
275.S	17	-4	153.00	10:30:28
250.S	20	-4	151.00	10:29:06
225.S	17	-4	153.00	10:27:34
200.S	17	-5	155.00	10:26:00
175.S	15	-6	154.00	10:24:23
150.S	13	-8	160.00	10:22:33
125.S	13	-7	152.00	10:20:48
100.S	16	-4	156.00	10:17:49
75.S	15	-3	154.00	10:16:26
50.S	16	-3	161.00	10:15:12
25.S	15	-4	159.00	10:13:52
0.N	14	-3	158.00	10:12:28
25.N	18	-2	151.00	10:11:12
50.N	19	0	149.00	10:09:53
75.N	18	0	155.00	10:08:36
100.N	19	0	156.00	10:07:13
125.N	19	0	161.00	10:05:53
150.N	21	0	163.00	10:03:34
175.N	20	-0	164.00	10:01:57
200.N	17	-1	172.00	10:00:15
225.N	12	-3	182.00	09:58:47
250.N	10	-5	177.00	09:57:21
275.N	5	-7	176.00	09:55:44
300.N	4	-7	176.00	09:53:53
325.N	2	-8	171.00	09:51:55
350.N	-0	-9	158.00	09:49:42
375.N	6	-5	149.00	09:47:52
400.N	8	-2	152.00	09:46:29
425.N	10	-2	153.00	09:45:07
450.N	15	0	152.00	09:43:38
475.N	13	1	154.00	09:42:13
500.N	15	1	165.00	09:40:40
525.N	13	2	163.00	09:39:31
550.N	18	3	173.00	09:38:15
575.N	11	-0	181.00	09:37:06
600.N	4	-3	176.00	09:35:38

IGSEDIT Summary Page 2   EDITED DATA FILE --> B:VLFNLK04.CLN

GRID: 1. LINE: 1700.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME

IGSEDIT Summary Page 3   EDITED DATA FILE --> B:VLFNLK04.CLN

GRID: 1. LINE: 1600.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	23	-7	173.00	08:25:24
375.S	22	-8	171.00	08:26:53
350.S	23	-6	174.00	08:29:25
325.S	20	-6	177.00	08:33:25
300.S	20	-5	176.00	08:34:59
275.S	17	-7	179.00	08:36:25
250.S	14	-6	170.00	08:37:37
225.S	14	-6	174.00	08:39:11
200.S	15	-6	168.00	08:41:08
175.S	16	-5	166.00	08:42:35
150.S	14	-5	163.00	08:44:11
125.S	14	-4	160.00	08:45:57
100.S	14	-3	164.00	08:47:43
75.S	16	-3	170.00	08:48:55
50.S	14	-3	170.00	08:50:27
25.S	16	-3	170.00	08:51:57
0.N	14	-3	169.00	08:53:22
25.N	14	-2	168.00	08:55:01
50.N	13	-2	168.00	08:56:25
75.N	15	-1	166.00	08:57:56
100.N	15	-0	168.00	08:59:21
125.N	15	-0	174.00	09:00:38
150.N	15	0	173.00	09:01:55
175.N	16	-0	173.00	09:03:06
200.N	13	-0	179.00	09:04:22
225.N	12	-1	185.00	09:05:41
250.N	9	-4	186.00	09:07:03
275.N	4	-6	184.00	09:08:16
300.N	6	-5	173.00	09:09:39
325.N	7	-5	176.00	09:11:23
350.N	4	-5	168.00	09:12:42
375.N	4	-3	162.00	09:14:08
400.N	7	-1	153.00	09:15:19
425.N	14	1	154.00	09:16:59
450.N	16	4	156.00	09:18:41
475.N	14	3	168.00	09:20:02
500.N	13	1	167.00	09:21:17
525.N	12	0	169.00	09:22:45
550.N	9	0	172.00	09:23:58
575.N	8	-0	172.00	09:25:16
600.N	4	-2	181.00	09:26:43

IGSEDIT Summary Page 4   EDITED DATA FILE --> B:VLFNLK04.CLN

GRID: 1. LINE: 1500.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	27	-7	167.00	08:12:32
375.S	26	-7	177.00	08:09:38
350.S	18	-8	180.00	08:06:18
325.S	19	-8	174.00	08:04:52
300.S	20	-5	177.00	08:02:50
275.S	20	-5	176.00	08:00:57
250.S	15	-4	175.00	07:59:23
225.S	16	-3	179.00	07:57:33
200.S	15	-4	176.00	07:56:09
175.S	14	-4	172.00	07:53:53
150.S	11	-4	178.00	07:50:56
125.S	15	-4	170.00	07:48:57
100.S	17	-2	168.00	07:46:57
75.S	17	0	168.00	07:45:26
50.S	15	-0	172.00	07:43:59
25.S	16	-0	179.00	07:42:11
0.N	14	-3	181.00	07:40:35
25.N	12	-4	178.00	07:39:12
50.N	11	-4	176.00	07:37:47
75.N	13	-3	173.00	07:36:10
100.N	10	-2	169.00	07:34:36
125.N	12	-1	173.00	07:32:46
150.N	13	-1	180.00	07:31:18
175.N	14	-2	179.00	07:29:50
200.N	8	-2	182.00	07:26:51
225.N	7	-4	184.00	07:25:30
250.N	7	-4	183.00	07:23:35
275.N	7	-4	177.00	07:22:05
300.N	6	-2	179.00	07:20:12
325.N	3	-3	182.00	07:18:32
350.N	1	-5	174.00	07:16:59
375.N	8	-0	163.00	07:14:03
400.N	9	-0	166.00	07:12:46
425.N	10	1	163.00	07:10:59
450.N	11	2	170.00	07:09:20
475.N	10	4	181.00	07:07:34
500.N	4	1	175.00	07:04:21
525.N	6	1	173.00	07:02:29
550.N	6	2	174.00	07:01:02
575.N	0	1	176.00	06:59:29
600.N	1	-0	167.00	06:57:54

IGSEDIT Summary Page 5   EDITED DATA FILE --> B:VLFNLK04.CLN

GRID: 1. LINE: 1400.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.S	19	-5	146.00	05:48:37
225.S	14	-4	142.00	05:50:12
200.S	14	-4	142.00	05:51:11
175.S	15	-3	142.00	05:52:29
150.S	17	-1	136.00	05:57:18
125.S	18	-0	139.00	05:58:45
100.S	17	1	141.00	06:00:18
75.S	21	1	148.00	06:01:49
50.S	14	-0	150.00	06:03:24
25.S	11	-1	149.00	06:05:20
0.N	11	-2	148.00	06:07:31
25.N	11	-0	145.00	06:08:58
50.N	13	-0	147.00	06:10:18
75.N	14	0	147.00	06:11:17
100.N	12	0	146.00	06:12:40
125.N	10	0	150.00	06:13:42
150.N	7	-0	151.00	06:15:41
175.N	9	0	150.00	06:16:55
200.N	1	-1	155.00	06:19:14
225.N	6	0	149.00	06:21:04
250.N	7	0	144.00	06:22:40
275.N	8	1	143.00	06:24:10
300.N	8	1	140.00	06:26:19
325.N	12	4	142.00	06:27:31
350.N	15	5	143.00	06:28:58
375.N	13	4	149.00	06:30:23
400.N	11	4	150.00	06:31:43
425.N	8	5	163.00	06:33:30
450.N	-0	2	160.00	06:36:16
475.N	0	3	155.00	06:37:38
500.N	3	4	151.00	06:39:34
525.N	5	5	157.00	06:41:05
550.N	3	4	161.00	06:42:42
575.N	0	0	160.00	06:44:16
600.N	0	0	152.00	06:45:47

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> B:VLFNPM04.CLN

GRID: 1. LINE: 1700.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
350.S	-32	-22	6.25	10:35:57
325.S	-33	-23	6.24	10:34:30
300.S	-29	-23	6.31	10:32:16
275.S	-34	-24	6.25	10:30:43
250.S	-31	-24	6.30	10:29:22
225.S	-31	-22	6.33	10:27:52
200.S	-36	-23	6.09	10:26:18
175.S	-33	-23	6.13	10:24:38
150.S	-27	-21	6.07	10:22:49
125.S	-27	-21	5.98	10:21:05
100.S	-33	-22	6.04	10:18:06
75.S	-27	-19	6.11	10:16:43
50.S	-31	-19	6.28	10:15:26
25.S	-29	-19	6.05	10:14:09
0.N	-30	-18	6.47	10:12:46
25.N	-27	-15	6.41	10:11:25
50.N	-29	-17	6.42	10:10:09
75.N	-30	-16	6.47	10:08:50
100.N	-31	-15	6.34	10:07:27
125.N	-33	-14	6.34	10:06:07
150.N	-33	-16	6.16	10:03:51
175.N	-35	-17	6.09	10:02:16
200.N	-37	-18	5.94	10:00:32
225.N	-32	-17	5.83	09:59:02
250.N	-33	-18	5.73	09:57:39
275.N	-33	-18	5.53	09:56:04
300.N	-32	-20	5.13	09:54:07
325.N	-36	-17	5.20	09:52:13
350.N	-35	-16	5.23	09:50:00
375.N	-35	-16	5.23	09:48:05
400.N	-37	-14	5.21	09:46:44
425.N	-42	-13	5.15	09:45:20
450.N	-40	-12	5.13	09:43:51
475.N	-45	-8	4.72	09:42:41
500.N	-56	-13	4.58	09:41:00
525.N	-52	-12	4.55	09:39:43
550.N	-51	-13	5.49	09:38:41
575.N	-48	-12	4.38	09:37:20
600.N	-47	-16	4.23	09:35:53

IGSEDIT Summary Page 2   EDITED DATA FILE --> B:VLFNPM04.CLN

GRID: 1. LINE: 1700.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME

IGSEDIT Summary Page 3   EDITED DATA FILE --> B:VLFNPM04.CLN

GRID: 1. LINE: 1600.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-48	-28	3.70	08:25:52
375.S	-46	-27	3.73	08:27:07
350.S	-40	-27	3.87	08:29:41
325.S	-37	-28	4.05	08:33:40
300.S	-42	-28	4.13	08:35:19
275.S	-43	-27	4.27	08:36:39
250.S	-44	-28	4.25	08:38:04
225.S	-30	-25	3.66	08:39:38
200.S	-37	-25	4.44	08:41:22
175.S	-28	-23	4.22	08:42:54
150.S	-34	-23	4.55	08:44:26
125.S	-29	-20	4.61	08:46:12
100.S	-31	-20	4.63	08:47:56
75.S	-37	-23	4.64	08:49:11
50.S	-29	-21	4.46	08:50:44
25.S	-35	-20	4.59	08:52:24
0.N	-39	-21	4.57	08:53:50
25.N	-39	-20	4.65	08:55:15
50.N	-36	-20	4.57	08:56:41
75.N	-42	-20	4.57	08:58:24
100.N	-45	-22	4.52	08:59:36
125.N	-41	-20	4.51	09:00:59
150.N	-40	-23	4.46	09:02:07
175.N	-41	-20	4.55	09:03:20
200.N	-44	-22	4.39	09:04:41
225.N	-43	-22	4.47	09:05:57
250.N	-38	-21	4.27	09:07:16
275.N	-43	-20	4.44	09:08:36
300.N	-36	-19	4.25	09:09:58
325.N	-40	-17	4.31	09:11:42
350.N	-34	-17	3.95	09:12:59
375.N	-37	-14	3.96	09:14:22
400.N	-43	-14	4.11	09:15:36
425.N	-49	-14	4.11	09:17:30
450.N	-49	-13	4.14	09:18:55
475.N	-50	-13	4.04	09:20:16
500.N	-53	-14	3.91	09:21:40
525.N	-53	-13	4.00	09:23:03
550.N	-51	-12	3.90	09:24:11
575.N	-44	-10	3.74	09:25:33
600.N	-52	-14	3.78	09:27:27

IGSEDIT Summary Page 4   EDITED DATA FILE --> B:VLFNPM04.CLN

GRID: 1. LINE: 1500.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-44	-21	2.85	08:12:50
375.S	-47	-23	2.42	08:10:09
350.S	-37	-19	2.17	08:06:50
325.S	-40	-21	2.10	08:05:08
300.S	-42	-22	1.94	08:03:52
275.S	-39	-17	1.83	08:01:45
250.S	-49	-22	1.65	07:59:50
225.S	-42	-16	1.66	07:58:17
200.S	-34	-16	1.51	07:56:28
175.S	-29	-14	1.38	07:54:29
150.S	-44	-18	1.14	07:51:39
125.S	-36	-16	1.16	07:49:09
100.S	-31	-6	1.07	07:47:40
75.S	-43	-3	1.08	07:45:48
50.S	-41	-3	1.12	07:44:21
25.S	-46	-7	1.28	07:42:52
0.N	-35	-7	1.34	07:41:13
25.N	-35	-9	1.17	07:39:31
50.N	-31	-5	1.10	07:38:08
75.N	-30	-10	1.36	07:36:40
100.N	-48	-14	1.44	07:34:52
125.N	-48	-10	1.50	07:33:16
150.N	-41	-13	1.49	07:31:45
175.N	-33	-14	1.45	07:30:23
200.N	-44	-12	1.78	07:27:08
225.N	-43	-15	1.83	07:25:49
250.N	-38	-19	1.96	07:23:55
275.N	-46	-20	2.18	07:22:24
300.N	-46	-18	2.45	07:20:30
325.N	-47	-16	3.12	07:18:48
350.N	-52	-25	2.88	07:17:19
375.N	-52	-19	3.50	07:14:20
400.N	-51	-17	3.66	07:13:01
425.N	-53	-18	3.74	07:11:19
450.N	-52	-16	4.01	07:09:36
475.N	-52	-17	4.09	07:08:01
500.N	-48	-18	4.61	07:04:40
525.N	-53	-19	4.68	07:02:46
550.N	-51	-22	5.02	07:01:18
575.N	-51	-21	5.13	06:59:57
600.N	-48	-21	5.19	06:58:26

IGSEDIT Summary Page 5   EDITED DATA FILE --> B:VLFNPM04.CLN

GRID: 1. LINE: 1400.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
250.S	-38	-19	7.81	05:49:26
225.S	-36	-17	7.79	05:50:27
200.S	-39	-18	7.64	05:51:31
175.S	-32	-16	7.85	05:52:46
150.S	-34	-20	8.09	05:57:33
125.S	-32	-19	8.14	05:59:01
100.S	-32	-21	8.20	06:00:33
75.S	-34	-21	8.23	06:02:05
50.S	-31	-21	8.34	06:03:42
25.S	-37	-23	8.31	06:06:18
0.N	-36	-22	8.61	06:07:46
25.N	-35	-22	8.73	06:09:16
50.N	-34	-22	8.95	06:10:33
75.N	-40	-23	8.55	06:11:45
100.N	-36	-22	8.75	06:12:55
125.N	-37	-21	8.63	06:14:09
150.N	-36	-23	8.24	06:15:57
175.N	-39	-23	8.21	06:17:17
200.N	-45	-27	7.68	06:19:48
225.N	-44	-28	7.32	06:21:21
250.N	-43	-26	7.10	06:22:57
275.N	-45	-25	7.06	06:24:28
300.N	-43	-24	6.79	06:26:34
325.N	-45	-24	6.87	06:27:47
350.N	-41	-23	6.86	06:29:12
375.N	-42	-21	6.77	06:30:39
400.N	-43	-19	6.68	06:31:59
425.N	-45	-21	6.51	06:33:50
450.N	-44	-22	6.08	06:36:33
475.N	-41	-23	6.17	06:37:56
500.N	-42	-22	5.89	06:39:50
525.N	-41	-24	5.79	06:41:24
550.N	-43	-24	5.68	06:42:58
575.N	-39	-21	5.52	06:44:30
600.N	-39	-20	5.55	06:46:04

GRID: 1. LINE: 900.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	4	11	5.16	15:45:25
275.S	1	9	5.23	15:46:56
250.S	0	9	5.09	15:49:42
225.S	-7	5	5.20	15:52:00
200.S	1	7	5.08	15:53:44
175.S	1	9	4.99	15:55:25
150.S	4	10	4.94	15:56:54
125.S	3	9	4.65	15:58:20
100.S	0	7	4.53	16:00:30
75.S	-6	5	4.50	16:01:52
50.S	-8	4	4.42	16:03:20
25.S	-9	6	4.26	16:05:27
0.N	-6	6	4.30	16:07:08
25.N	-3	5	4.31	13:42:04
50.N	-8	6	4.28	13:43:30
75.N	5	8	4.32	13:45:05
100.N	6	1	4.26	13:46:25
125.N	9	-2	4.25	13:47:49
150.N	2	-3	4.21	13:49:27
175.N	-0	-10	4.15	13:51:27
200.N	-3	-5	4.16	13:52:38
225.N	-2	-4	3.81	13:54:16
250.N	-11	-5	3.81	13:55:38
275.N	-9	-7	3.77	13:57:08
300.N	-11	-4	4.07	13:59:11
325.N	-13	-4	4.18	14:00:47
350.N	-10	-5	3.93	14:02:49
375.N	-16	-7	4.02	14:04:20
400.N	-10	-4	3.91	14:05:51
425.N	-10	-5	4.09	14:07:37
450.N	-7	-5	4.17	14:10:01
475.N	-5	-3	4.12	14:11:49
500.N	0	-2	4.00	14:13:20
525.N	-1	-4	4.16	14:15:00
550.N	0	-3	4.22	14:16:37
587.5N	4	-1	4.35	14:18:21

GRID: 1. LINE: 800.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	6	10	5.36	15:33:23
250.S	8	10	5.40	15:31:34
225.S	8	9	5.40	15:27:51
200.S	6	9	5.30	15:26:16
175.S	15	11	5.31	15:24:55
150.S	10	11	5.27	15:23:28
125.S	9	10	5.38	15:22:02
100.S	6	9	5.25	15:20:09
75.S	13	12	5.25	15:18:49
50.S	14	12	5.11	15:17:17
25.S	17	11	4.77	15:15:57
0.N	16	11	4.67	15:14:30
25.N	9	9	4.68	15:12:37
50.N	12	9	4.73	15:11:01
75.N	23	12	4.53	15:09:33
100.N	24	9	4.41	15:08:01
125.N	25	4	4.25	15:06:35
150.N	22	1	4.36	15:04:50
175.N	17	-1	4.28	15:03:07
200.N	18	-1	4.17	15:01:35
225.N	12	-1	4.27	15:00:03
250.N	13	1	4.03	14:58:33
275.N	11	-0	4.14	14:57:06
300.N	6	-2	3.94	14:55:47
325.N	5	-2	4.14	14:54:27
350.N	7	1	4.06	14:53:07
375.N	9	-1	4.14	14:51:45
400.N	10	-2	4.11	14:49:38
425.N	9	0	4.00	14:47:15
450.N	8	0	4.17	14:31:05
475.N	13	2	4.31	14:32:37
500.N	9	-1	4.22	14:34:09
525.N	7	-4	3.94	14:35:34
550.N	9	-1	4.27	14:37:11
575.N	9	-1	4.16	14:39:46
600.N	13	2	4.21	14:41:31

GRID: 1. LINE: 700.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
262.5S	20	16	5.08	17:21:38
250.S	20	14	5.25	17:18:48
225.S	16	13	5.16	17:16:35
200.S	17	11	5.30	17:15:16
175.S	14	11	5.40	17:13:54
150.S	16	10	5.39	17:12:32
125.S	13	7	5.34	17:10:34
100.S	17	9	5.35	17:08:58
75.S	17	10	5.29	17:06:56
50.S	19	9	5.21	17:05:08
25.S	22	13	5.11	17:03:17
0.N	19	12	4.92	17:01:43
25.N	21	11	4.45	16:58:55
50.N	21	9	4.52	16:57:25
75.N	37	12	4.53	16:56:06
100.N	38	8	4.49	16:54:44
125.N	36	8	4.46	16:53:22
150.N	31	4	4.45	16:51:54
175.N	31	2	4.29	16:49:46
200.N	28	2	4.15	16:48:25
225.N	28	3	4.34	16:47:09
250.N	29	3	4.31	16:45:39
275.N	28	5	4.24	16:44:16
300.N	27	4	4.04	16:43:07

GRID: 1. LINE: 600.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
212.5S	15	7	5.38	17:41:45
200.S	19	8	5.36	17:45:00
175.S	19	8	5.48	17:46:51
150.S	15	8	5.23	17:48:29
125.S	20	8	5.10	17:50:05
100.S	24	10	5.13	17:51:51
75.S	20	10	5.02	17:53:46
50.S	22	8	4.95	17:55:09
25.S	18	6	4.60	17:56:45
0.N	24	8	4.73	17:58:13
25.N	28	10	4.52	17:59:49
50.N	30	7	4.38	18:02:10
75.N	31	3	4.30	18:04:05
100.N	41	10	4.32	18:06:46
125.N	42	9	4.14	18:08:51
150.N	43	5	4.15	18:10:25
175.N	38	2	4.04	18:12:11
200.N	37	6	4.10	18:15:04

GRID: 1. LINE: 900.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	12	-10	130.00	15:44:33
275.S	12	-9	134.00	15:46:34
250.S	16	-8	137.00	15:49:25
225.S	21	-6	144.00	15:51:41
200.S	13	-6	150.00	15:53:28
175.S	13	-9	152.00	15:55:03
150.S	13	-8	150.00	15:56:32
125.S	15	-6	152.00	15:57:58
100.S	13	-7	157.00	16:00:12
75.S	10	-7	163.00	16:01:32
50.S	10	-9	165.00	16:03:02
25.S	9	-10	161.00	16:05:11
0.N	13	-7	153.00	13:39:24
25.N	15	-5	162.00	13:41:43
50.N	6	-5	179.00	13:43:15
75.N	-4	-6	179.00	13:44:38
100.N	-7	-1	165.00	13:46:07
125.N	-7	5	148.00	13:47:28
150.N	-3	8	138.00	13:49:07
175.N	0	12	138.00	13:51:01
200.N	3	8	141.00	13:52:19
225.N	5	9	139.00	13:53:58
250.N	5	5	138.00	13:55:20
275.N	7	6	154.00	13:56:54
300.N	13	7	139.00	13:58:53
325.N	12	5	145.00	14:00:28
350.N	16	3	151.00	14:02:30
375.N	14	2	152.00	14:03:56
400.N	14	2	154.00	14:05:27
425.N	12	4	165.00	14:07:01
450.N	6	2	161.00	14:09:24
475.N	5	2	156.00	14:11:32
500.N	8	4	149.00	14:13:03
525.N	6	4	151.00	14:14:46
550.N	7	4	153.00	14:16:24
587.5N	5	3	156.00	14:18:02

GRID: 1. LINE: 800.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	17	-8	124.00	15:33:02
250.S	16	-7	131.00	15:31:16
225.S	19	-7	137.00	15:27:33
200.S	17	-6	143.00	15:26:02
175.S	14	-8	149.00	15:24:38
150.S	16	-8	143.00	15:23:09
125.S	16	-6	149.00	15:21:45
100.S	12	-8	156.00	15:19:53
75.S	9	-9	166.00	15:18:31
50.S	8	-8	159.00	15:17:02
25.S	9	-9	156.00	15:15:38
0.N	10	-7	162.00	15:14:14
25.N	11	-5	167.00	15:12:20
50.N	6	-5	186.00	15:10:43
75.N	-9	-8	176.00	15:09:13
100.N	-10	-1	164.00	15:07:46
125.N	-9	3	149.00	15:06:20
150.N	-8	8	136.00	15:04:24
175.N	-3	11	139.00	15:02:50
200.N	1	10	136.00	15:01:18
225.N	5	10	135.00	14:59:49
250.N	3	6	136.00	14:58:14
275.N	6	6	135.00	14:56:48
300.N	10	7	133.00	14:55:34
325.N	14	6	143.00	14:54:13
350.N	13	5	142.00	14:52:48
375.N	12	5	142.00	14:51:28
400.N	15	7	147.00	14:49:24
425.N	10	3	158.00	14:46:59
450.N	8	2	150.00	14:30:52
475.N	7	4	151.00	14:32:19
500.N	7	5	151.00	14:33:55
525.N	7	5	151.00	14:35:21
550.N	9	4	149.00	14:36:54
575.N	6	3	149.00	14:39:31
600.N	4	2	149.00	14:41:00

GRID: 1. LINE: 700.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
262.5S	19	-5	123.00	17:21:17
250.S	22	-4	127.00	17:18:17
225.S	19	-5	135.00	17:16:17
200.S	16	-6	138.00	17:14:58
175.S	15	-5	143.00	17:13:36
150.S	12	-5	149.00	17:12:02
125.S	15	-7	154.00	17:10:16
100.S	8	-9	152.00	17:08:45
75.S	12	-8	156.00	17:06:43
50.S	11	-7	160.00	17:04:47
25.S	2	-9	165.00	17:02:59
0.N	8	-8	207.00	17:01:21
25.N	9	-3	175.00	16:58:36
50.N	8	-2	198.00	16:57:04
75.N	-13	-6	190.00	16:55:48
100.N	-15	-2	166.00	16:54:28
125.N	-15	1	151.00	16:53:04
150.N	-10	6	138.00	16:51:36
175.N	-3	10	140.00	16:49:33
200.N	-2	8	140.00	16:48:12
225.N	0	9	140.00	16:46:54
250.N	0	7	146.00	16:45:22
275.N	3	5	145.00	16:44:03
300.N	3	3	138.00	16:42:07

GRID: 1. LINE: 600.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
212.5S	18	-3	123.00	17:41:31
200.S	16	-3	130.00	17:44:47
175.S	16	-3	137.00	17:46:38
150.S	14	-5	142.00	17:48:16
125.S	10	-7	147.00	17:49:52
100.S	13	-8	146.00	17:51:38
75.S	9	-8	145.00	17:53:33
50.S	9	-6	147.00	17:54:55
25.S	9	-6	156.00	17:56:11
0.N	13	-5	162.00	17:57:53
25.N	11	-2	167.00	17:59:32
50.N	10	2	179.00	18:01:52
75.N	2	6	206.00	18:03:44
100.N	-14	-2	172.00	18:06:28
125.N	-15	2	159.00	18:08:31
150.N	-10	6	147.00	18:10:11
175.N	-4	10	148.00	18:11:56
200.N	-5	7	140.00	18:14:32

GRID: 1. LINE: 900.W

STATION	TOT-FLD	TIME
300.S	55698.2	15:44:12
275.S	55741.5	15:46:14
250.S	55782.0	15:48:40
225.S	55618.8	15:51:09
200.S	55692.4	15:52:56
175.S	55683.1	15:54:45
150.S	55714.1	15:56:14
125.S	55725.6	15:57:38
100.S	55735.8	15:59:53
75.S	55725.6	16:01:14
50.S	55722.0	16:02:43
25.S	55738.0	16:04:50
0.N	55746.0	13:38:24
25.N	55765.1	13:41:23
50.N	55758.4	13:42:52
75.N	55779.4	13:44:13
100.N	55786.2	13:45:47
125.N	55759.2	13:47:04
150.N	55786.7	13:48:45
175.N	55771.5	13:50:37
200.N	55805.9	13:51:58
225.N	55771.3	13:53:39
250.N	55787.7	13:55:01
275.N	55788.9	13:56:27
300.N	55870.4	13:58:35
325.N	55846.9	14:00:12
350.N	55796.8	14:02:10
375.N	55810.1	14:03:37
400.N	55794.2	14:05:10
425.N	55806.0	14:06:44
450.N	55924.4	14:09:06
475.N	55828.2	14:11:11
500.N	55769.7	14:12:45
525.N	55841.8	14:14:28
550.N	55811.4	14:16:07
587.5N	55857.1	14:17:42

GRID: 1. LINE: 800.W

STATION	TOT-FLD	TIME
275.S	55737.8	15:32:40
250.S	55751.4	15:30:58
225.S	55606.1	15:27:11
200.S	55664.9	15:25:44
175.S	55676.8	15:24:20
150.S	55690.8	15:22:52
125.S	55730.6	15:21:29
100.S	55711.7	15:19:35
75.S	55724.5	15:18:11
50.S	55728.3	15:16:45
25.S	55731.4	15:15:20
0.N	55757.9	15:13:50
25.N	55699.7	15:12:02
50.N	55749.0	15:10:20
75.N	55789.2	15:08:50
100.N	55771.0	15:07:29
125.N	55769.5	15:06:06
150.N	55786.3	15:04:04
175.N	55810.9	15:02:34
200.N	55780.2	15:01:01
225.N	55801.6	14:59:28
250.N	55803.1	14:57:57
275.N	55813.7	14:56:31
300.N	55817.8	14:55:16
325.N	55809.0	14:53:55
350.N	55819.8	14:52:29
375.N	55819.5	14:51:05
400.N	55728.4	14:49:06
425.N	55861.9	14:46:39
450.N	55776.9	14:30:28
475.N	55847.2	14:32:01
500.N	55828.1	14:33:37
525.N	55838.7	14:35:04
550.N	55835.2	14:36:36
575.N	55839.7	14:39:13
600.N	55817.7	14:40:42

GRID: 1. LINE: 700.W

STATION	TOT-FLD	TIME
262.5S	55769.9	17:20:49
250.S	55957.7	17:17:53
225.S	55706.8	17:15:58
200.S	55677.4	17:14:43
175.S	55696.8	17:13:19
150.S	55704.1	17:11:44
125.S	55712.6	17:09:58
100.S	55726.6	17:08:26
75.S	55729.9	17:06:25
50.S	55737.8	17:04:25
25.S	55751.4	17:02:41
0.N	55751.4	17:01:00
25.N	55762.9	16:58:17
50.N	55764.0	16:56:49
75.N	55790.6	16:55:30
100.N	55777.2	16:54:10
125.N	55772.1	16:52:46
150.N	55796.7	16:51:06
175.N	55788.1	16:49:15
200.N	55848.7	16:47:57
225.N	55798.5	16:46:37
250.N	55795.4	16:45:05
275.N	55821.5	16:43:43
300.N	55820.5	16:41:45

GRID: 1. LINE: 600.W

STATION	TOT-FLD	TIME
212.5S	55715.5	17:41:10
200.S	55725.5	17:44:32
175.S	55687.5	17:46:19
150.S	55715.6	17:48:01
125.S	55726.6	17:49:35
100.S	55723.3	17:51:17
75.S	55723.8	17:53:15
50.S	55608.5	17:54:33
25.S	55753.1	17:55:51
0.N	55761.6	17:57:32
25.N	55430.9	17:59:05
50.N	55769.5	18:01:30
75.N	55789.7	18:03:22
100.N	55770.7	18:06:10
125.N	55787.9	18:08:13
150.N	55795.6	18:09:53
175.N	55802.9	18:11:39
200.N	55809.1	18:14:10

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 100.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
25.N	30	-1	106.00	08:37:25
50.N	30	3	119.00	08:40:16
75.N	30	9	126.00	08:41:55
100.N	23	17	130.00	08:43:43
125.N	24	22	132.00	08:45:18
150.N	20	23	137.00	08:46:51
175.N	18	20	132.00	08:48:34
200.N	23	20	132.00	08:52:13
225.N	20	15	142.00	08:55:08
250.N	14	10	143.00	08:56:31
275.N	14	8	137.00	08:57:49
300.N	20	12	140.00	08:59:20
325.N	22	11	143.00	09:00:47
350.N	14	7	152.00	09:02:11
375.N	10	4	150.00	09:03:17
400.N	15	3	148.00	09:04:27
425.N	8	2	154.00	09:06:46
450.N	9	7	147.00	09:08:34
475.N	12	11	144.00	09:11:03
500.N	9	7	152.00	09:12:21
525.N	11	14	149.00	09:14:20
550.N	13	16	151.00	09:16:46
575.N	14	19	148.00	09:18:27
600.N	13	19	153.00	09:20:19

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 700.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.N	3	2	137.00	15:19:37
325.N	6	4	142.00	15:22:21
350.N	8	4	145.00	15:24:16
375.N	8	5	145.00	15:25:55
400.N	7	5	153.00	15:28:10
425.N	4	5	150.00	15:30:05
450.N	6	5	147.00	15:31:50
475.N	8	7	150.00	15:33:26
500.N	7	7	154.00	15:35:21
525.N	6	6	154.00	15:37:11
550.N	6	5	157.00	15:38:31
575.N	3	3	160.00	15:40:17
600.N	5	4	163.00	15:42:16

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 600.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
200.N	-1	7	141.00	16:35:49
225.N	-0	7	141.00	16:34:16
250.N	2	6	146.00	16:32:36
275.N	2	2	147.00	16:30:52
300.N	3	2	147.00	16:29:24
325.N	1	1	146.00	16:27:47
350.N	-0	0	146.00	16:25:27

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 300.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	-9	-28	98.10	12:33:22
275.S	-1	-25	96.20	12:36:17
250.S	-4	-24	101.00	12:38:22
225.S	2	-24	98.40	12:41:24
200.S	1	-24	95.20	12:43:53
175.S	12	-19	91.80	12:45:57
150.S	18	-12	91.50	12:48:45
125.S	23	-5	93.20	12:50:26
100.S	24	-0	101.00	12:52:05
75.S	22	1	109.00	12:54:09
50.S	20	3	114.00	12:59:32
25.S	19	4	119.00	13:02:12
0.N	18	4	125.00	13:04:12
25.N	17	5	133.00	13:06:08
50.N	15	7	135.00	13:08:29
75.N	12	8	140.00	13:09:52
100.N	7	7	143.00	13:11:14
125.N	7	7	142.00	13:12:15
150.N	6	12	146.00	13:13:13
175.N	-0	6	136.00	13:14:39
200.N	7	11	137.00	13:15:46
225.N	7	6	140.00	13:17:18
250.N	2	2	143.00	13:18:51
275.N	0	2	143.00	13:20:45
300.N	5	0	140.00	13:22:13
325.N	0	-1	139.00	13:24:02

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 200.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	-16	-31	100.00	12:17:34
300.S	-14	-30	101.00	12:14:49
275.S	-11	-29	99.30	12:12:35
250.S	-6	-28	97.50	12:09:57
225.S	-2	-27	93.60	12:07:05
200.S	-0	-26	94.70	12:04:40
175.S	7	-25	90.60	12:02:12
150.S	11	-18	92.70	12:00:51
125.S	12	-16	92.80	14:47:29
100.S	15	-11	92.50	14:46:11
75.S	28	-0	96.90	14:43:41
50.S	20	-3	97.40	14:41:09
25.S	23	1	99.70	14:39:28
0.N	26	4	107.00	14:37:09
25.N	30	7	117.00	14:34:55
50.N	25	11	127.00	14:32:11
75.N	22	17	133.00	14:29:16
100.N	21	17	140.00	14:27:40
125.N	10	12	146.00	14:25:57
150.N	7	7	144.00	14:24:27
175.N	8	7	135.00	14:22:53
200.N	8	10	135.00	14:21:31
225.N	10	10	135.00	14:20:09
250.N	8	9	138.00	14:18:26
275.N	9	9	135.00	14:08:27
300.N	12	7	140.00	14:06:45
325.N	10	5	143.00	14:05:33
350.N	11	5	146.00	14:04:19
375.N	7	1	144.00	14:02:50
400.N	6	2	144.00	14:01:06
425.N	6	4	143.00	13:59:31
450.N	6	8	134.00	13:56:22
475.N	11	12	137.00	13:54:22
500.N	11	12	138.00	13:53:05
525.N	11	14	135.00	13:51:44
550.N	13	17	134.00	13:50:10
575.N	17	20	137.00	13:48:24
600.N	19	21	138.00	13:46:53

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 100.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	-14	-38	84.90	11:24:42
250.S	-10	-36	87.80	11:22:56
225.S	-6	-33	87.30	11:20:21
200.S	-3	-29	86.30	11:18:10
175.S	1	-26	88.70	11:16:02
150.S	7	-23	90.10	11:14:17
125.S	9	-19	92.80	11:12:49
100.S	11	-17	94.50	11:10:27
75.S	13	-15	90.20	11:33:19
50.S	18	-7	92.00	11:36:43
25.S	27	-1	93.80	11:39:04
0.N	30	-2	97.80	11:42:06
25.N	29	-2	103.00	11:43:55

IGSEDIT Summary Page 7 EDITED DATA FILE --> B:VLFNLK02.CLN

GRID: 1. LINE: 0.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	-23	-39	93.80	10:36:12
250.S	-17	-36	89.50	10:32:30
225.S	-12	-34	89.10	10:30:52
200.S	-9	-32	88.90	10:29:11
175.S	-0	-29	88.40	10:27:05
150.S	4	-27	88.40	10:23:23
125.S	13	-21	92.90	10:20:21
100.S	9	-17	101.00	10:18:09
75.S	6	-17	105.00	10:16:13
50.S	7	-18	102.00	10:14:23
25.S	9	-20	97.00	10:12:22
0.N	13	-22	90.70	10:10:36
25.N	31	-16	82.60	10:08:25
50.N	40	-7	94.60	10:05:36
75.N	32	2	115.00	10:03:19
100.N	19	8	134.00	10:01:34
125.N	14	16	125.00	09:59:41
150.N	15	21	121.00	09:58:13
175.N	18	21	119.00	09:56:43
200.N	21	22	119.00	09:54:43
225.N	26	21	129.00	09:52:48
250.N	21	14	134.00	09:51:32
275.N	21	15	135.00	09:48:27
300.N	21	14	141.00	09:47:12
325.N	20	12	148.00	09:45:57
350.N	19	10	150.00	09:44:21
375.N	15	7	157.00	09:43:10
400.N	14	2	158.00	09:41:46
425.N	11	3	160.00	09:40:04
450.N	7	4	149.00	09:38:30
475.N	12	11	144.00	09:37:07
500.N	10	13	146.00	09:35:30
525.N	16	17	148.00	09:32:20
550.N	12	17	153.00	09:30:41
575.N	15	20	150.00	09:28:46
600.N	15	20	153.00	09:25:24

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 100.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
25.N	-3	8	4.16	08:37:46
50.N	0	9	4.28	08:40:32
75.N	-5	3	4.30	08:42:12
100.N	-3	-3	4.44	08:43:59
125.N	-6	-10	4.60	08:45:35
150.N	-11	-19	4.69	08:47:05
175.N	-3	-15	4.74	08:48:49
200.N	-1	-12	4.84	08:52:30
225.N	6	-6	5.15	08:55:27
250.N	15	-3	4.75	08:56:48
275.N	21	2	4.46	08:58:10
300.N	14	-1	4.51	08:59:36
325.N	15	-0	4.44	09:01:04
350.N	13	-2	4.51	09:02:27
375.N	20	2	4.49	09:03:33
400.N	25	6	4.37	09:04:43
425.N	25	2	4.42	09:07:02
450.N	30	2	4.58	09:09:00
475.N	36	1	4.56	09:11:18
500.N	18	-6	4.32	09:12:38
525.N	29	-0	4.32	09:14:36
550.N	23	-4	4.35	09:17:01
575.N	27	-1	4.26	09:18:57
600.N	25	-3	4.40	09:20:35

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 700.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.N	23	4	4.46	15:19:58
325.N	22	1	4.53	15:22:35
350.N	16	0	4.49	15:24:30
375.N	18	0	4.46	15:26:10
400.N	19	-1	4.49	15:28:24
425.N	18	0	4.48	15:30:22
450.N	17	1	4.43	15:32:05
475.N	13	-2	4.29	15:33:45
500.N	16	-3	4.37	15:35:36
525.N	16	-0	4.49	15:37:29
550.N	19	0	4.39	15:38:47
575.N	20	3	4.40	15:40:31
600.N	23	4	4.27	15:42:33

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 600.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
200.N	33	5	5.32	16:36:06
225.N	36	6	5.08	16:34:30
250.N	33	5	5.03	16:32:52
275.N	30	5	4.87	16:31:09
300.N	36	6	4.68	16:29:37
325.N	32	5	4.77	16:28:00
350.N	33	5	4.84	16:25:41

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 300.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	27	16	6.55	12:33:41
275.S	24	14	6.62	12:36:30
250.S	26	16	6.60	12:38:36
225.S	26	14	6.77	12:41:38
200.S	27	15	6.71	12:44:09
175.S	27	13	6.74	12:46:10
150.S	23	10	6.78	12:49:00
125.S	15	6	6.96	12:50:44
100.S	18	3	7.29	12:52:20
75.S	13	0	7.25	12:54:22
50.S	16	-0	7.70	12:59:45
25.S	15	-2	7.73	13:02:25
0.N	16	-2	7.90	13:04:29
25.N	14	-1	7.91	13:06:25
50.N	18	-1	7.82	13:08:44
75.N	18	-0	7.76	13:10:06
100.N	21	-3	7.64	13:11:31
125.N	24	-2	7.66	13:12:28
150.N	23	-4	7.57	13:13:30
175.N	27	-1	7.76	13:14:54
200.N	26	-3	7.61	13:16:00
225.N	23	-3	7.08	13:17:32
250.N	25	0	7.34	13:19:08
275.N	29	2	7.38	13:21:03
300.N	33	5	7.21	13:22:29
325.N	34	8	6.95	13:24:21

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 200.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	38	20	6.13	12:17:51
300.S	37	21	6.33	12:15:10
275.S	30	22	6.29	12:12:54
250.S	30	17	6.33	12:10:13
225.S	23	16	6.60	12:07:21
200.S	25	14	6.60	12:04:56
175.S	22	13	6.76	12:02:27
150.S	19	8	8.21	14:49:39
125.S	26	14	7.64	14:47:45
100.S	20	10	7.54	14:46:27
75.S	12	4	7.61	14:43:58
50.S	12	3	7.50	14:41:28
25.S	10	1	7.51	14:39:43
0.N	8	1	7.92	14:37:27
25.N	7	0	8.24	14:35:14
50.N	10	-1	8.65	14:32:30
75.N	8	-4	9.02	14:29:33
100.N	9	-9	9.08	14:27:58
125.N	10	-8	9.08	14:26:15
150.N	21	-1	8.91	14:24:39
175.N	22	-1	8.66	14:23:09
200.N	25	0	8.29	14:21:47
225.N	27	0	8.20	14:20:25
250.N	20	-2	8.44	14:18:43
275.N	21	-2	8.29	14:08:44
300.N	21	-1	8.42	14:07:04
325.N	26	0	8.23	14:05:48
350.N	23	0	8.12	14:04:35
375.N	25	1	7.91	14:03:07
400.N	31	4	8.02	14:01:24
425.N	34	4	7.69	13:59:48
450.N	36	1	7.53	13:56:37
475.N	34	0	7.68	13:54:37
500.N	39	-0	7.39	13:53:19
525.N	40	0	7.53	13:51:57
550.N	37	-2	7.32	13:50:25
575.N	36	-2	7.37	13:48:37
600.N	39	-1	7.47	13:47:07

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 100.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	33	22	5.69	11:24:56
250.S	31	20	5.74	11:23:10
225.S	26	20	5.49	11:20:37
200.S	22	18	5.78	11:18:24
175.S	23	18	5.71	11:16:16
150.S	18	17	5.85	11:14:34
125.S	17	16	5.89	11:13:03
100.S	19	15	5.86	11:10:41
75.S	18	14	6.15	11:33:32
50.S	13	10	6.06	11:36:59
25.S	10	7	6.44	11:39:24
0.N	7	7	6.46	11:42:19
25.N	0	4	6.76	11:44:08

IGSEDIT Summary Page 7 EDITED DATA FILE --> B:VLFNPM02.CLN

GRID: 1. LINE: 0.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
275.S	37	27	5.06	10:36:30
250.S	36	25	5.16	10:35:35
225.S	32	21	5.02	10:31:06
200.S	24	21	5.06	10:29:29
175.S	19	21	5.03	10:27:20
150.S	17	18	5.26	10:26:12
125.S	15	15	5.23	10:20:35
100.S	19	16	5.08	10:18:23
75.S	17	18	4.69	10:16:29
50.S	19	20	4.45	10:14:36
25.S	18	21	4.33	10:12:39
0.N	14	21	4.09	10:10:54
25.N	3	16	4.05	10:08:39
50.N	2	14	4.28	10:05:52
75.N	-0	11	4.46	10:03:33
100.N	1	4	4.42	10:01:51
125.N	5	-2	4.42	09:59:58
150.N	5	-2	4.61	09:58:29
175.N	10	-4	4.49	09:56:56
200.N	6	-5	4.62	09:54:57
225.N	2	-6	4.53	09:53:04
250.N	6	-2	4.62	09:51:48
275.N	6	-6	4.55	09:48:40
300.N	9	-1	4.75	09:47:28
325.N	13	0	4.77	09:46:10
350.N	11	-1	4.71	09:44:38
375.N	15	1	4.57	09:43:25
400.N	19	4	4.56	09:42:02
425.N	22	5	4.56	09:40:21
450.N	30	2	4.37	09:38:47
475.N	23	0	4.46	09:37:23
500.N	27	4	4.27	09:35:47
525.N	23	-2	4.39	09:32:36
550.N	25	1	4.45	09:31:05
575.N	25	0	4.26	09:29:02
600.N	25	-6	4.38	09:25:42

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 100.W

STATION	TOT-FLD	TIME
25.N	55777.8	08:37:02
50.N	55838.2	08:39:58
75.N	55818.5	08:41:30
100.N	55812.7	08:43:26
125.N	55811.8	08:44:59
150.N	55809.2	08:46:32
175.N	55834.7	08:48:14
200.N	55830.3	08:51:56
225.N	55858.0	08:54:51
250.N	55852.4	08:56:16
275.N	55864.9	08:57:31
300.N	55862.5	08:59:01
325.N	55874.4	09:00:28
350.N	55885.9	09:01:53
375.N	55873.4	09:03:01
400.N	55868.1	09:04:06
425.N	55873.8	09:06:29
450.N	55896.3	09:08:16
475.N	55860.6	09:10:41
500.N	55923.1	09:11:57
525.N	55889.3	09:14:03
550.N	55888.4	09:16:30
575.N	55890.2	09:18:10
600.N	55894.3	09:20:02

IGSEDIT Summary Page 2   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 700.W

STATION	TOT-FLD	TIME
300.N	55827.0	15:19:17
325.N	55826.7	15:22:02
350.N	55832.4	15:24:00
375.N	55832.6	15:25:32
400.N	55835.9	15:27:55
425.N	55865.0	15:29:45
450.N	55868.5	15:31:30
475.N	55833.1	15:33:12
500.N	55862.6	15:34:57
525.N	55867.2	15:36:53
550.N	55879.7	15:38:14
575.N	55821.2	15:39:59
600.N	55833.5	15:41:58

IGSEDIT Summary Page 3   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 600.W

STATION	TOT-FLD	TIME
200.N	55814.7	16:35:32
225.N	55831.3	16:33:59
250.N	55816.5	16:32:19
275.N	55830.4	16:30:34
300.N	55823.9	16:29:05
325.N	55833.9	16:27:29
350.N	55828.2	16:25:06

IGSEDIT Summary Page 4   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 300.W

STATION	TOT-FLD	TIME
300.S	56378.9	12:32:53
275.S	55621.8	12:35:55
250.S	55665.9	12:38:00
225.S	55554.2	12:41:07
200.S	55628.2	12:43:33
175.S	55710.0	12:45:36
150.S	55670.1	12:48:26
125.S	55605.1	12:50:07
100.S	55685.1	12:51:50
75.S	55745.8	12:53:51
50.S	55740.6	12:59:13
25.S	55772.8	13:01:54
0.N	55785.7	13:03:54
25.N	55798.7	13:05:47
50.N	55822.5	13:08:10
75.N	55819.8	13:09:36
100.N	55832.9	13:10:57
125.N	55803.7	13:11:59
150.N	55817.6	13:12:55
175.N	55870.3	13:14:22
200.N	55823.2	13:15:29
225.N	55834.3	13:17:00
250.N	55835.6	13:18:31
275.N	55846.6	13:20:29
300.N	55850.4	13:21:55
325.N	55844.0	13:23:46

IGSEDIT Summary Page 5   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 200.W

STATION	TOT-FLD	TIME
325.S	55957.8	12:17:14
300.S	55902.3	12:14:30
275.S	55693.4	12:12:12
250.S	55692.9	12:09:39
225.S	55669.6	12:06:50
200.S	55667.2	12:04:22
175.S	55620.7	12:01:55
150.S	55668.0	12:00:22
125.S	55682.4	14:47:10
100.S	55658.0	14:45:53
75.S	55717.4	14:43:23
50.S	55695.4	14:40:51
25.S	55725.0	14:39:10
0.N	55749.4	14:36:51
25.N	55787.9	14:34:35
50.N	55805.0	14:31:51
75.N	55816.1	14:28:59
100.N	55816.3	14:27:24
125.N	55834.9	14:25:40
150.N	55826.4	14:24:13
175.N	55838.1	14:22:36
200.N	55839.7	14:21:12
225.N	55836.0	14:19:52
250.N	55856.4	14:18:09
275.N	55858.2	14:08:09
300.N	55865.8	14:06:28
325.N	55866.0	14:05:16
350.N	55865.6	14:04:00
375.N	55866.1	14:02:33
400.N	55857.3	14:00:49
425.N	55869.3	13:59:13
450.N	55868.1	13:56:02
475.N	55878.6	13:54:02
500.N	55872.6	13:52:48
525.N	55878.2	13:51:27
550.N	55889.3	13:49:53
575.N	55899.3	13:48:07
600.N	55888.8	13:46:33

IGSEDIT Summary Page 6   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 100.W

STATION	TOT-FLD	TIME
275.S	55688.1	11:24:28
250.S	55689.6	11:22:41
225.S	55732.5	11:20:01
200.S	55737.2	11:17:50
175.S	55696.2	11:15:42
150.S	55705.9	11:13:57
125.S	55702.8	11:12:34
100.S	55686.8	11:10:08
75.S	55681.4	11:33:02
50.S	55696.9	11:36:26
25.S	55757.2	11:38:47
0.N	55802.5	11:41:52
25.N	55776.0	11:43:38

IGSEDIT Summary Page 7   EDITED DATA FILE --> B:MAG02.CLN

GRID: 1. LINE: 0.W

STATION	TOT-FLD	TIME
275.S	55674.5	10:35:54
250.S	55694.0	10:32:13
225.S	55733.5	10:30:35
200.S	55769.6	10:28:49
175.S	55736.5	10:26:47
150.S	55685.4	10:23:03
125.S	55608.3	10:20:00
100.S	55637.4	10:17:51
75.S	55688.9	10:15:56
50.S	55704.6	10:14:08
25.S	55727.3	10:12:08
0.N	55733.1	10:10:17
25.N	55736.2	10:08:09
50.N	55736.2	10:05:19
75.N	55825.3	10:02:59
100.N	55798.4	10:01:16
125.N	55795.6	09:59:22
150.N	55799.9	09:57:55
175.N	55821.2	09:56:22
200.N	55829.2	09:54:24
225.N	55847.7	09:52:30
250.N	55849.0	09:51:14
275.N	55860.7	09:48:08
300.N	55880.6	09:46:56
325.N	55868.0	09:45:37
350.N	55881.0	09:44:04
375.N	55887.5	09:42:52
400.N	55875.5	09:41:28
425.N	55890.3	09:39:45
450.N	55865.3	09:38:13
475.N	55871.0	09:36:50
500.N	55860.1	09:35:13
525.N	55882.7	09:32:02
550.N	55893.7	09:30:22
575.N	55932.3	09:28:23
600.N	55899.3	09:25:05

IGS EDITED DATA FILE SUMMARY   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 1300.W

STATION	TOT-FLD	TIME
400.S	55758.7	17:11:51
375.S	55883.7	17:09:26
350.S	55509.1	17:06:53
325.S	55637.3	17:04:52
300.S	55674.1	17:02:57
275.S	55682.3	17:00:43
250.S	55711.4	16:59:03
225.S	55719.8	16:57:13
200.S	55762.3	16:54:43
175.S	55752.0	16:52:52
150.S	55755.6	16:50:47
125.S	55770.7	16:48:49
100.S	55795.2	16:47:11
75.S	55786.2	16:46:13
50.S	55764.8	16:45:04
25.S	55775.5	16:43:40
0.N	55802.6	16:42:03
25.N	55804.2	16:40:40
50.N	55798.5	16:38:44
75.N	55793.1	16:37:23
100.N	55808.0	16:35:59
125.N	55804.1	16:34:17
150.N	55816.9	16:32:32
175.N	55823.2	16:31:12
200.N	55816.5	16:29:16
225.N	55824.2	16:27:55
250.N	55832.7	16:26:30
275.N	55830.6	16:24:46
300.N	55832.4	16:23:08
325.N	55829.0	16:21:19
350.N	55859.5	16:19:56
375.N	55833.3	16:17:09
400.N	55840.2	16:14:54
425.N	55836.1	16:13:06
450.N	55841.5	16:11:44
475.N	55853.8	16:10:15
500.N	55840.9	16:08:14
525.N	55860.2	16:05:20
550.N	55898.5	16:03:13

IGSEDIT Summary Page 2   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 1300.W

STATION	TOT-FLD	TIME
575.N	55855.3	16:01:41
600.N	55843.5	16:00:22

IGSEDIT Summary Page 3   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 1200.W

STATION	TOT-FLD	TIME
400.S	55676.4	14:32:58
375.S	55731.7	14:35:09
350.S	55771.5	14:36:33
325.S	55638.8	14:37:38
300.S	55691.9	14:39:49
275.S	55673.1	14:41:15
250.S	55714.9	14:43:33
225.S	55691.9	14:45:51
200.S	55710.2	14:48:00
175.S	55710.0	14:50:08
150.S	55723.6	14:52:49
125.S	55739.6	14:54:45
100.S	55752.2	14:57:21
75.S	55765.7	14:59:15
50.S	55773.7	15:01:07
25.S	55772.0	15:02:43
0.N	55807.7	15:04:11
25.N	55797.4	15:05:33
50.N	55758.5	15:07:26
75.N	55785.1	15:09:58
100.N	55777.7	15:11:57
125.N	55780.3	15:13:33
150.N	55808.1	15:15:20
175.N	55826.9	15:17:01
200.N	55802.5	15:18:44
225.N	55807.1	15:20:43
250.N	55801.2	15:22:32
275.N	55803.7	15:24:35
300.N	55805.1	15:26:15
325.N	55861.6	15:27:46
350.N	55816.4	15:29:11
375.N	55811.3	15:30:40
400.N	55815.2	15:32:08
425.N	55820.6	15:33:25
450.N	55832.7	15:34:52
475.N	55835.0	15:36:21
500.N	55821.0	15:37:57
525.N	55827.4	15:40:10
550.N	55847.1	15:42:16
575.N	55818.5	15:44:15
600.N	55837.2	15:46:10

IGSEDIT Summary Page 4   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 1100.W

STATION	TOT-FLD	TIME
400.S	55768.9	13:48:44
375.S	55747.2	13:47:24
350.S	55681.9	13:45:21
325.S	55669.6	13:43:43
300.S	55677.5	13:41:53
275.S	55642.7	13:39:42
250.S	55716.3	13:38:14
225.S	55652.2	13:36:35
200.S	55677.3	13:33:39
175.S	55711.3	13:32:19
150.S	55717.2	13:30:54
125.S	55710.7	13:29:12
100.S	55708.6	13:27:22
75.S	55693.3	13:25:08
50.S	55689.8	13:20:01
37.5S	55661.5	13:22:04
25.S	55801.7	13:18:07
0.N	55831.1	13:15:41
25.N	55837.1	13:13:50
50.N	55848.5	13:12:11
75.N	55761.4	13:10:47
100.N	55803.6	13:08:54
125.N	55874.8	13:07:16
150.N	55918.1	13:05:47
175.N	55805.3	13:04:04
200.N	55826.7	13:02:05
225.N	55891.1	13:00:46
250.N	55851.5	12:59:34
275.N	55836.2	12:58:02
300.N	55892.4	12:56:11
325.N	55863.1	12:54:37
350.N	55851.1	12:53:23
375.N	55870.9	12:51:38
400.N	55849.5	12:49:51
425.N	55872.3	12:48:43
450.N	55895.0	12:46:25
475.N	55857.9	12:44:39
500.N	55881.5	12:43:07
525.N	55859.5	12:41:50
550.N	55878.5	12:40:27
575.N	55875.4	12:38:56

IGSEDIT Summary Page 5   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 1000.W   127

STATION	TOT-FLD	TIME
350.S	55695.2	13:58:52
325.S	55651.4	14:00:32
300.S	55636.0	14:02:06
275.S	55687.1	14:03:29
250.S	55719.3	14:04:44
225.S	55645.6	14:06:24
200.S	55704.4	14:07:44
175.S	55666.2	14:09:17
150.S	55698.6	14:10:43
125.S	55756.9	14:12:17
100.S	55692.9	14:13:55
75.S	55789.1	14:16:31
50.S	55766.5	14:18:02
25.S	55755.7	14:19:22
0.N	55760.6	11:40:35
0.N	55761.7	14:20:49
25.N	55733.8	11:42:17
50.N	55721.4	11:43:51
75.N	55725.2	11:45:40
100.N	55705.7	11:47:38
125.N	55705.1	11:49:38
150.N	55697.2	11:51:29
175.N	55798.5	11:54:03
200.N	55816.5	11:56:11
225.N	55902.3	11:58:31
250.N	55874.6	12:00:17
275.N	55801.2	12:01:54
300.N	55797.5	12:04:20
325.N	55803.2	12:06:13
350.N	55772.9	12:08:27
375.N	55759.4	12:10:14
400.N	55917.0	12:14:50
425.N	55830.8	12:19:44
450.N	55862.9	12:22:46
475.N	55888.8	12:24:22
500.N	55796.4	12:25:56
525.N	55892.4	12:28:34
550.N	55849.1	12:30:16

IGSEDIT Summary Page 6   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 500.W

STATION	TOT-FLD	TIME
325.S	55875.6	08:15:24
300.S	56030.5	08:11:58
275.S	55874.8	08:08:32
250.S	55900.1	08:06:11
225.S	55730.4	08:03:56
200.S	55589.8	08:01:44
175.S	55640.9	07:59:33
150.S	55683.8	07:56:58
125.S	55725.0	07:50:21
100.S	55720.8	11:19:44
75.S	55736.1	11:18:25
50.S	55746.1	11:17:05
25.S	55762.8	11:15:31
0.N	55774.4	11:14:15
25.N	55789.9	11:13:13
50.N	55813.8	11:11:57
75.N	55785.6	11:10:55
100.N	55795.4	11:07:34
125.N	55801.1	11:06:35
150.N	55800.7	11:05:01
175.N	55808.1	11:03:10
200.N	55813.0	11:01:20
225.N	55824.2	10:59:31
250.N	55829.7	10:58:02
275.N	55832.8	10:14:39
300.N	55822.5	10:17:50
325.N	55821.3	10:20:30
350.N	55822.6	10:23:09
375.N	55847.3	10:25:58
400.N	55828.8	10:28:01
425.N	55890.1	10:30:12
450.N	55822.3	10:32:09
475.N	55921.6	10:35:06
500.N	55829.5	10:37:11
525.N	55896.4	10:39:37
550.N	55841.9	10:40:48
575.N	55877.9	10:43:02
600.N	55865.7	10:44:00

IGSEDIT Summary Page 7   EDITED DATA FILE --> B:MAG03.CLN

GRID: 1. LINE: 400.W

STATION	TOT-FLD	TIME
300.S	55991.5	08:19:53
275.S	56044.3	08:23:49
250.S	55708.1	08:27:24
225.S	55687.4	08:28:26
200.S	55546.7	08:29:55
175.S	55517.5	08:31:40
150.S	55602.4	08:33:51
125.S	55669.7	08:36:09
100.S	55699.8	08:38:13
75.S	55728.4	08:42:49
50.S	55741.9	08:44:17
25.S	55762.1	08:45:59
0.N	55778.4	08:47:33
25.N	55787.9	08:48:44
50.N	55785.3	08:49:50
75.N	55787.5	08:51:18
100.N	55802.7	08:52:45
125.N	55790.9	08:54:31
150.N	55815.2	08:55:52
175.N	55813.3	08:57:29
200.N	55822.9	08:59:03
225.N	55833.9	09:00:27
250.N	55834.4	09:01:55
275.N	55829.7	09:04:56
300.N	55826.2	09:07:01
325.N	55825.8	09:09:41
350.N	55837.9	09:15:08
375.N	55758.8	09:17:34
400.N	55827.5	09:20:10
425.N	55843.5	09:23:14
450.N	55844.2	09:25:55
475.N	55883.1	09:27:42
500.N	55873.2	09:29:34
525.N	55858.4	09:31:26
550.N	55862.4	09:33:22
575.N	55860.0	09:35:25

600N 55869.3

800.N 55869.5 09:37:17

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 1300.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	23	-6	164.00	17:12:11
375.S	21	-5	172.00	17:09:48
350.S	18	-6	166.00	17:07:28
325.S	14	-7	177.00	17:05:09
300.S	14	-6	172.00	17:03:15
275.S	10	-6	165.00	17:00:58
250.S	9	-5	163.00	16:59:19
225.S	15	-3	153.00	16:57:32
200.S	19	-0	156.00	16:55:02
175.S	17	1	158.00	16:53:11
150.S	18	2	164.00	16:51:07
125.S	18	2	165.00	16:49:06
100.S	20	0	168.00	16:47:29
75.S	13	-1	177.00	16:46:30
50.S	12	-1	177.00	16:45:20
25.S	8	-3	170.00	16:43:58
0.N	12	-1	174.00	16:42:20
25.N	10	0	175.00	16:41:00
50.N	7	0	181.00	16:39:09
75.N	-0	-3	180.00	16:37:39
100.N	-0	-2	170.00	16:36:15
125.N	1	-0	167.00	16:34:33
150.N	3	0	168.00	16:32:49
175.N	4	1	165.00	16:31:30
200.N	7	1	165.00	16:29:34
225.N	5	1	160.00	16:28:12
250.N	7	1	167.00	16:26:49
275.N	4	-1	156.00	16:25:14
300.N	9	1	160.00	16:23:26
325.N	10	2	159.00	16:21:37
350.N	13	3	168.00	16:20:12
375.N	9	3	169.00	16:17:27
400.N	11	4	170.00	16:15:13
425.N	6	3	180.00	16:13:27
450.N	-0	1	172.00	16:11:58
475.N	-0	2	167.00	16:10:34
500.N	5	5	155.00	16:08:32
525.N	3	5	159.00	16:05:37
550.N	5	4	161.00	16:03:27

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 1300.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
575.N	3	2	159.00	16:01:58
600.N	3	2	156.00	16:00:42

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 1200.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	21	-7	153.00	14:33:52
375.S	17	-7	154.00	14:35:24
350.S	18	-7	158.00	14:36:52
325.S	17	-6	160.00	14:37:55
300.S	17	-5	167.00	14:40:07
275.S	10	-5	171.00	14:41:33
250.S	6	-6	165.00	14:43:56
225.S	6	-6	159.00	14:46:08
200.S	7	-4	152.00	14:48:18
175.S	12	-3	150.00	14:50:26
150.S	14	-2	149.00	14:53:06
125.S	11	-3	153.00	14:55:03
100.S	15	-0	152.00	14:57:43
75.S	17	-0	162.00	14:59:34
50.S	16	-0	159.00	15:01:24
25.S	21	2	164.00	15:03:01
0.N	17	1	170.00	15:04:28
25.N	20	4	186.00	15:05:50
50.N	5	1	193.00	15:07:44
75.N	-0	-0	175.00	15:10:19
100.N	-0	2	160.00	15:12:16
125.N	6	5	163.00	15:13:53
150.N	2	3	162.00	15:15:37
175.N	3	3	159.00	15:17:18
200.N	6	3	159.00	15:19:03
225.N	9	4	156.00	15:21:02
250.N	8	2	163.00	15:22:51
275.N	8	3	154.00	15:24:52
300.N	11	6	156.00	15:26:30
325.N	10	5	169.00	15:28:04
350.N	7	2	170.00	15:29:31
375.N	5	2	167.00	15:30:58
400.N	3	2	164.00	15:32:25
425.N	6	4	176.00	15:33:42
450.N	-0	1	175.00	15:35:09
475.N	-4	1	172.00	15:36:39
500.N	-2	1	158.00	15:38:16
525.N	-0	3	154.00	15:40:31
550.N	3	4	160.00	15:42:35
575.N	3	4	153.00	15:44:35
600.N	1	3	151.00	15:46:30

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 1100.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	15	-8	147.00	13:49:02
375.S	12	-8	148.00	13:47:45
350.S	15	-7	150.00	13:45:37
325.S	14	-8	154.00	13:43:59
300.S	12	-8	152.00	13:42:09
275.S	15	-7	157.00	13:40:01
250.S	10	-6	163.00	13:38:32
225.S	7	-9	154.00	13:36:54
200.S	7	-9	144.00	13:33:57
175.S	13	-7	142.00	13:32:36
150.S	16	-5	139.00	13:31:11
125.S	22	-4	141.00	13:29:30
100.S	27	-2	146.00	13:27:39
75.S	70	-4	167.00	13:25:28
50.S	-13	-7	151.00	13:20:37
37.5S	2	-5	148.00	13:22:24
25.S	11	-3	154.00	13:18:24
0.N	16	-1	161.00	13:15:56
25.N	13	0	169.00	13:14:07
50.N	6	1	174.00	13:12:29
75.N	4	3	167.00	13:11:04
100.N	6	7	164.00	13:09:10
125.N	7	8	155.00	13:07:32
150.N	5	8	151.00	13:06:04
175.N	6	8	149.00	13:04:21
200.N	9	9	151.00	13:02:21
225.N	8	7	156.00	13:01:04
250.N	8	6	150.00	12:59:51
275.N	11	7	155.00	12:58:19
300.N	7	5	157.00	12:56:29
325.N	10	3	162.00	12:54:55
350.N	5	3	160.00	12:53:45
375.N	5	1	162.00	12:51:58
400.N	5	2	161.00	12:50:08
425.N	2	1	165.00	12:48:59
450.N	-2	0	166.00	12:46:43
475.N	-2	1	162.00	12:44:56
500.N	-5	1	160.00	12:43:26
525.N	-2	1	149.00	12:42:09
550.N	-3	1	151.00	12:40:45
575.N	0	2	147.00	12:39:16

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 1000.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
350.S	16	-9	137.00	13:59:10
325.S	13	-9	141.00	14:00:50
300.S	15	-8	142.00	14:02:24
275.S	20	-7	143.00	14:03:44
250.S	16	-6	150.00	14:05:01
225.S	15	-8	151.00	14:06:43
200.S	10	-9	150.00	14:08:01
175.S	13	-9	145.00	14:09:37
150.S	15	-4	150.00	14:10:59
125.S	10	-4	157.00	14:12:35
100.S	10	-7	159.00	14:14:12
75.S	6	-8	150.00	14:16:48
50.S	10	-7	156.00	14:18:20
25.S	15	-7	157.00	14:19:40
0.N	20	-4	164.00	11:40:54
0.N	18	-5	161.00	14:21:07
25.N	16	-4	172.00	11:42:35
50.N	14	-3	196.00	11:44:14
75.N	-10	-8	188.00	11:46:00
100.N	-10	-0	163.00	11:47:55
125.N	-8	2	147.00	11:49:57
150.N	0	13	136.00	11:51:49
175.N	10	15	140.00	11:54:21
200.N	12	14	146.00	11:56:29
225.N	11	9	151.00	11:58:51
250.N	10	5	148.00	12:00:32
275.N	7	2	149.00	12:02:14
300.N	14	4	145.00	12:04:39
325.N	19	4	153.00	12:06:34
350.N	14	2	151.00	12:08:44
375.N	22	4	150.00	12:10:31
400.N	17	4	161.00	12:15:24
425.N	11	1	166.00	12:20:07
450.N	7	1	168.00	12:23:08
475.N	6	1	164.00	12:24:36
500.N	1	0	160.00	12:26:16
525.N	8	4	155.00	12:28:54
550.N	7	3	154.00	12:30:36

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 500.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	-6	-23	115.00	08:15:43
300.S	-2	-20	119.00	08:12:19
275.S	-5	-24	117.00	08:08:49
250.S	-1	-23	111.00	08:06:27
225.S	6	-19	107.00	08:04:14
200.S	17	-9	104.00	08:02:01
175.S	18	-1	115.00	07:59:50
150.S	18	0	131.00	07:57:16
125.S	13	-5	133.00	11:21:21
100.S	11	-6	130.00	11:20:01
75.S	11	-5	135.00	11:18:41
50.S	14	-4	136.00	11:17:21
25.S	12	-2	141.00	11:15:48
0.N	15	-0	147.00	11:14:30
25.N	13	1	158.00	11:13:29
50.N	8	2	167.00	11:12:15
75.N	-2	-0	175.00	11:11:14
100.N	-7	1	154.00	11:10:05
125.N	-8	3	142.00	11:06:52
150.N	-1	7	140.00	11:05:19
175.N	-3	5	146.00	11:03:27
200.N	-0	4	146.00	11:01:39
225.N	1	4	143.00	10:59:45
250.N	-1	2	145.00	10:58:18
275.N	-2	0	144.00	10:56:27
300.N	-2	-1	136.00	10:18:04
325.N	-4	-2	129.00	10:20:53
350.N	-5	4	130.00	10:23:27
375.N	2	9	136.00	10:26:15
400.N	6	11	137.00	10:28:17
425.N	3	11	141.00	10:30:31
450.N	5	10	143.00	10:32:27
475.N	9	11	145.00	10:35:25
500.N	8	11	146.00	10:37:28
525.N	8	11	145.00	10:39:51
550.N	8	11	146.00	10:41:02
575.N	12	11	144.00	10:43:15
600.N	12	11	147.00	10:44:14

IGSEDIT Summary Page 7 EDITED DATA FILE --> B:VLFNLK03.CLN

GRID: 1. LINE: 400.W FREQUENCY: 24.8 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	-2	-23	110.00	08:20:28
275.S	-0	-23	110.00	08:24:09
250.S	4	-21	107.00	08:27:39
225.S	5	-20	105.00	08:28:45
200.S	9	-17	102.00	08:30:14
175.S	21	-9	97.00	08:31:58
150.S	23	1	111.00	08:34:09
125.S	23	2	124.00	08:36:30
100.S	17	-1	135.00	08:38:28
75.S	11	-3	135.00	08:43:06
50.S	13	-1	134.00	08:44:33
25.S	15	3	142.00	08:46:16
0.N	17	2	146.00	08:47:49
25.N	14	3	151.00	08:48:58
50.N	10	5	158.00	08:50:07
75.N	4	7	167.00	08:51:36
100.N	1	8	169.00	08:53:01
125.N	-3	6	168.00	08:54:49
150.N	-7	3	156.00	08:56:06
175.N	-2	10	149.00	08:57:46
200.N	-1	10	151.00	08:59:18
225.N	1	5	155.00	09:00:42
250.N	1	2	156.00	09:02:08
275.N	-2	-0	150.00	09:05:14
300.N	-2	-3	147.00	09:07:15
325.N	-3	-3	142.00	09:10:03
350.N	-0	2	142.00	09:15:35
375.N	-4	4	137.00	09:17:49
400.N	0	9	133.00	09:20:27
425.N	3	14	134.00	09:23:35
450.N	5	14	141.00	09:26:15
475.N	7	15	142.00	09:27:58
500.N	5	12	148.00	09:29:50
525.N	6	11	147.00	09:31:42
550.N	6	11	152.00	09:33:37
575.N	7	11	144.00	09:35:45
600.N	[illegible]	13	145.00	09:37:[illegible]

[illegible]

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 1300.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-42	-25	4.63	17:12:30
375.S	-42	-24	4.10	17:10:44
350.S	-39	-20	4.91	17:08:11
325.S	-32	-16	4.84	17:05:31
300.S	-31	-18	4.87	17:03:34
275.S	-29	-21	4.96	17:01:16
250.S	-31	-20	4.86	16:59:42
225.S	-36	-23	5.05	16:58:05
200.S	-35	-23	5.08	16:55:38
175.S	-32	-21	5.01	16:53:47
150.S	-37	-24	6.28	16:51:25
125.S	-42	-28	5.25	16:49:40
100.S	-27	-14	5.77	16:47:52
75.S	-24	-15	5.35	16:46:44
50.S	-29	-17	5.35	16:45:46
25.S	-27	-17	5.23	16:44:23
0.N	-36	-22	5.22	16:42:39
25.N	-32	-24	5.08	16:41:13
50.N	-29	-21	5.09	16:39:32
75.N	-33	-23	4.72	16:37:55
100.N	-36	-26	4.57	16:36:31
125.N	-32	-25	4.47	16:35:11
150.N	-34	-24	4.60	16:33:04
175.N	-32	-25	4.52	16:31:43
200.N	-30	-21	4.59	16:29:47
225.N	-31	-22	4.55	16:28:28
250.N	-27	-20	4.54	16:27:04
275.N	-34	-21	4.44	16:25:32
300.N	-30	-20	4.42	16:23:41
325.N	-33	-20	4.49	16:22:03
350.N	-29	-20	4.32	16:20:30
375.N	-34	-20	4.31	16:17:44
400.N	-31	-21	4.31	16:15:32
425.N	-33	-22	4.29	16:13:47
450.N	-28	-20	4.26	16:12:11
475.N	-23	-19	4.40	16:10:47
500.N	-28	-17	4.34	16:08:51
525.N	-30	-19	4.43	16:07:51
550.N	-35	-22	4.41	16:03:57

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 1300.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
575.N	-29	-17	4.40	16:02:11
600.N	-30	-19	4.58	16:01:09

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 1200.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-29	-12	4.66	14:34:27
375.S	-29	-14	4.61	14:35:41
350.S	-29	-11	4.75	14:37:07
325.S	-30	-12	4.67	14:38:11
300.S	-25	-14	4.77	14:40:22
275.S	-26	-11	4.76	14:41:48
250.S	-16	-9	4.84	14:44:10
225.S	-11	-8	4.74	14:46:25
200.S	-14	-9	4.74	14:48:39
175.S	-18	-12	4.67	14:50:42
150.S	-17	-13	4.75	14:53:20
125.S	-21	-15	4.72	14:55:19
100.S	-23	-17	4.72	14:57:59
75.S	-19	-16	4.84	14:59:49
50.S	-18	-15	4.89	15:01:40
25.S	-19	-17	5.03	15:03:16
0.N	-21	-16	5.11	15:04:44
25.N	-23	-20	5.18	15:06:04
50.N	-11	-13	5.05	15:08:04
75.N	-5	-10	4.84	15:10:48
100.N	-9	-14	4.71	15:12:30
125.N	-5	-16	4.67	15:14:08
150.N	-10	-16	4.64	15:16:04
175.N	-8	-15	4.56	15:17:35
200.N	-10	-16	4.57	15:19:22
225.N	-14	-17	4.54	15:21:17
250.N	-9	-12	4.46	15:23:04
275.N	-11	-15	4.43	15:25:06
300.N	-8	-10	4.35	15:26:48
325.N	-10	-12	4.43	15:28:24
350.N	-8	-10	4.36	15:29:49
375.N	-9	-11	4.30	15:31:11
400.N	-11	-10	4.19	15:32:40
425.N	-13	-13	4.15	15:33:56
450.N	-9	-12	4.20	15:35:29
475.N	-10	-11	4.24	15:36:52
500.N	-7	-11	4.15	15:38:30
525.N	-13	-14	4.14	15:40:49
550.N	-11	-12	4.10	15:42:53
575.N	-15	-12	4.17	15:45:08
600.N	-16	-14	4.19	15:46:46

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 1100.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
400.S	-13	1	4.70	13:49:20
375.S	-12	-0	4.68	13:48:01
350.S	-19	-0	4.58	13:46:07
325.S	-15	0	4.58	13:44:16
300.S	-18	-1	4.46	13:42:25
275.S	-21	-3	4.57	13:40:15
250.S	-21	-3	4.65	13:39:03
225.S	-8	-0	4.38	13:37:13
200.S	-20	-4	4.35	13:34:18
175.S	-28	-6	4.32	13:32:49
150.S	-31	-9	4.10	13:31:25
125.S	-54	-21	3.78	13:29:45
100.S	-93	-39	3.08	13:28:03
75.S	120	-24	4.04	13:25:49
50.S	52	3	5.11	13:21:01
37.5S	2	-7	4.89	13:22:43
25.S	-13	-10	5.14	13:18:42
0.N	-29	-13	5.16	13:16:27
25.N	-29	-14	5.36	13:14:25
50.N	-29	-14	5.50	13:12:55
75.N	-22	-15	5.47	13:11:19
100.N	-19	-15	5.59	13:09:25
125.N	-15	-14	5.77	13:07:46
150.N	-13	-12	5.87	13:06:19
175.N	-7	-9	6.05	13:04:34
200.N	-11	-11	5.99	13:02:38
225.N	-8	-9	5.98	13:01:16
250.N	-11	-11	5.95	13:00:06
275.N	-7	-9	5.98	12:58:32
300.N	-8	-7	5.96	12:56:41
325.N	-7	-7	5.93	12:55:09
350.N	-7	-7	6.00	12:53:59
375.N	-6	-6	5.87	12:52:11
400.N	-1	-4	5.77	12:50:25
425.N	1	-2	5.60	12:49:16
450.N	6	-2	5.20	12:46:55
475.N	5	-4	4.75	12:45:09
500.N	11	-3	4.47	12:43:41
525.N	9	-3	4.51	12:42:23
550.N	3	-4	4.34	12:41:04
575.N	3	-4	4.28	12:39:33

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 1000.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
350.S	-10	5	4.84	13:59:26
325.S	-9	6	4.96	14:01:04
300.S	-11	4	5.18	14:02:38
275.S	-9	2	5.22	14:03:57
250.S	-11	2	5.28	14:05:17
225.S	-13	3	5.17	14:06:56
200.S	-8	6	5.25	14:08:14
175.S	-6	5	5.04	14:09:52
150.S	-8	4	4.99	14:11:13
125.S	-6	4	4.73	14:12:53
100.S	-6	6	4.45	14:14:44
75.S	-14	5	4.20	14:17:23
50.S	-20	3	4.20	14:18:39
25.S	-20	2	4.19	14:19:57
0.N	-22	1	3.24	11:41:29
0.N	-21	0	4.02	14:21:26
25.N	-37	-3	3.09	11:42:51
50.N	-25	-2	3.21	11:44:30
75.N	-15	-7	3.07	11:46:28
100.N	-14	-18	3.11	11:48:11
125.N	-20	-23	3.03	11:50:11
150.N	-30	-29	3.34	11:52:24
175.N	-39	-36	3.48	11:54:36
200.N	-39	-23	3.89	11:56:43
225.N	-35	-17	4.11	11:59:05
250.N	-39	-17	4.10	12:00:47
275.N	-44	-17	3.89	12:02:49
300.N	-53	-22	3.80	12:05:10
325.N	-54	-22	3.87	12:06:49
350.N	-52	-18	3.77	12:09:06
375.N	-53	-21	3.90	12:10:47
400.N	-41	-15	3.93	12:15:46
425.N	-38	-15	4.11	12:20:24
450.N	-44	-17	4.00	12:23:28
475.N	-38	-15	3.77	12:24:56
500.N	-40	-21	3.68	12:26:47
525.N	-39	-19	3.76	12:29:12
550.N	-36	-21	3.84	12:30:58

IGSEDIT Summary Page 6 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 500.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
325.S	29	28	2.28	08:15:59
300.S	30	30	2.11	08:12:34
275.S	33	20	1.91	08:09:21
250.S	24	40	1.46	08:06:45
225.S	24	37	1.16	08:04:33
200.S	-10	51	0.77	08:02:20
175.S	2	34	0.89	08:00:14
150.S	3	39	0.78	07:58:05
125.S	22	7	5.14	11:21:39
100.S	26	6	4.81	11:20:19
75.S	24	6	4.85	11:18:54
50.S	27	6	4.78	11:17:37
25.S	26	4	4.88	11:16:05
0.N	24	1	4.79	11:14:42
25.N	23	2	4.71	11:13:41
50.N	30	5	4.68	11:12:32
75.N	38	8	4.56	11:11:28
100.N	38	5	4.23	11:10:20
125.N	39	4	4.28	11:07:09
150.N	34	2	4.31	11:05:33
175.N	34	1	4.22	11:03:39
200.N	36	5	4.20	11:01:53
225.N	38	6	4.11	11:00:00
250.N	38	6	3.96	10:58:34
275.N	39	10	1.65	10:57:05
300.N	42	9	3.29	10:18:18
325.N	47	9	3.01	10:21:15
350.N	46	3	3.22	10:23:41
375.N	43	0	3.11	10:26:31
400.N	43	-2	3.29	10:28:30
425.N	38	0	3.42	10:30:44
450.N	36	-2	3.17	10:32:39
475.N	36	1	3.46	10:35:38
500.N	40	1	3.46	10:37:44
525.N	30	1	3.60	10:40:04
550.N	31	-0	3.65	10:41:14
575.N	36	-0	3.57	10:43:30
600.N	34	-1	3.58	10:44:27

IGSEDIT Summary Page 7 EDITED DATA FILE --> B:VLFNPM03.CLN

GRID: 1. LINE: 400.W FREQUENCY: 23.4 MHz

STATION	V-IP	V-QUAD	H-FLD	TIME
300.S	34	17	2.84	08:20:51
275.S	26	21	3.07	08:24:25
250.S	27	20	3.20	08:27:56
225.S	25	24	2.99	08:28:58
200.S	26	20	3.25	08:30:27
175.S	18	18	3.25	08:32:11
150.S	12	9	3.55	08:34:23
125.S	13	3	3.66	08:36:45
100.S	12	0	3.49	08:38:45
75.S	31	8	3.78	08:43:19
50.S	35	11	3.73	08:44:50
25.S	28	9	3.76	08:46:29
0.N	24	7	3.83	08:48:08
25.N	26	4	3.83	08:49:11
50.N	29	2	3.79	08:50:21
75.N	26	0	3.83	08:51:50
100.N	31	2	3.73	08:53:26
125.N	38	4	3.61	08:55:05
150.N	40	6	3.71	08:56:24
175.N	42	5	3.55	08:58:03
200.N	32	2	3.53	08:59:34
225.N	35	5	3.52	09:00:54
250.N	31	7	3.50	09:02:21
275.N	37	9	3.43	09:05:29
300.N	40	11	3.32	09:07:30
325.N	44	13	3.23	09:10:21
350.N	43	9	3.17	09:15:53
375.N	46	7	3.15	09:18:21
400.N	44	6	3.20	09:20:43
425.N	34	0	3.14	09:23:55
450.N	34	3	3.09	09:26:31
475.N	30	-9	3.08	09:28:30
500.N	30	-0	3.15	09:30:04
525.N	31	-2	3.10	09:31:55
550.N	36	6	2.89	09:33:55
575.N	35	2	3.04	09:36:03
600.N	38	-1	2.88	09:37:55

IGS EDITED DATA FILE SUMMARY EDITED DATA FILE --> B:MAG04.CLN

GRID: 1. LINE: 1700.W

STATION	TOT-FLD	TIME
350.S	55526.2	10:35:23
325.S	55552.5	10:53:38
300.S	55607.7	10:31:43
275.S	55472.6	10:30:16
250.S	55574.9	10:28:51
225.S	55631.4	10:27:19
200.S	55686.4	10:25:41
175.S	55732.7	10:24:04
150.S	55764.5	10:22:15
125.S	55775.9	10:20:28
100.S	55795.0	10:17:33
75.S	55807.1	10:16:10
50.S	55821.7	10:14:55
25.S	55836.7	10:13:34
0.N	55837.0	10:12:11
25.N	55845.8	10:10:54
50.N	55840.1	10:09:37
75.N	55850.4	10:08:20
100.N	55866.8	10:06:55
125.N	55899.2	10:05:34
150.N	55900.1	10:03:16
175.N	55866.2	10:01:29
200.N	55863.1	09:59:55
225.N	55871.0	09:58:27
250.N	55885.6	09:57:01
275.N	55862.5	09:55:26
300.N	55870.1	09:53:37
325.N	55880.8	09:51:56
350.N	55901.4	09:49:22
375.N	55857.7	09:47:35
400.N	55907.3	09:44:10
425.N	55876.9	09:44:49
450.N	55884.9	09:45:23
475.N	55886.3	09:41:54
500.N	55899.3	09:40:26
525.N	55906.3	09:39:14
550.N	55900.4	09:37:58
575.N	55971.6	09:36:37
600.N	55885.1	09:35:16

IGSEDIT Summary Page 2 EDITED DATA FILE --> B:MAG04.CLN

GRID: 1. LINE: 1700.W

STATION	TOT-FLD	TIME

IGSEDIT Summary Page 3 EDITED DATA FILE --> B:MAG04.CLN

GRID: 1. LINE: 1600.W

STATION	TOT-FLD	TIME
400.S	55844.4	08:25:02
375.S	55780.4	08:26:38
350.S	55763.5	08:29:10
325.S	55759.1	08:33:06
300.S	55759.7	08:34:41
275.S	55758.4	08:36:09
250.S	55764.9	08:37:23
225.S	55768.9	08:38:56
200.S	55791.5	08:40:52
175.S	55785.4	08:42:19
150.S	55791.4	08:43:54
125.S	55799.7	08:45:40
100.S	55802.9	08:47:25
75.S	55819.1	08:48:41
50.S	55818.2	08:50:10
25.S	55809.5	08:51:39
0.N	55820.5	08:53:04
25.N	55841.7	08:54:44
50.N	55838.1	08:56:08
75.N	55825.6	08:57:40
100.N	55848.5	08:59:06
125.N	55808.4	09:00:24
150.N	55825.1	09:01:38
175.N	55842.1	09:02:51
200.N	55851.1	09:04:05
225.N	55902.9	09:05:25
250.N	55943.7	09:06:45
275.N	55933.0	09:07:58
300.N	55854.3	09:09:21
325.N	55843.9	09:11:02
350.N	55856.7	09:12:24
375.N	55874.2	09:13:50
400.N	55870.0	09:15:02
425.N	55863.5	09:16:27
450.N	55876.0	09:18:23
475.N	55881.8	09:19:45
500.N	55886.8	09:20:59
525.N	55896.4	09:22:26
550.N	55903.9	09:23:40
575.N	55902.3	09:24:59
600.N	55917.0	09:26:28

IGSEDIT Summary Page 4 EDITED DATA FILE --> B:MAG04.CLN

GRID: 1. LINE: 1500.W

STATION	TOT-FLD	TIME
400.S	55882.0	08:12:07
375.S	55748.8	08:09:11
350.S	55727.9	08:06:03
325.S	55717.3	08:04:37
300.S	55719.8	08:02:33
275.S	55738.6	08:00:37
250.S	55751.5	07:59:08
225.S	55747.6	07:57:17
200.S	55752.9	07:55:52
175.S	55744.6	07:53:53
150.S	55802.2	07:50:37
125.S	55786.0	07:48:40
100.S	55795.7	07:46:36
75.S	55791.5	07:45:09
50.S	55794.6	07:43:44
25.S	55818.0	07:41:54
0.N	55823.7	07:40:12
25.N	55813.5	07:38:55
50.N	55809.1	07:37:29
75.N	55813.2	07:35:44
100.N	55854.0	07:34:20
125.N	55836.3	07:32:23
150.N	55844.1	07:30:56
175.N	55852.5	07:29:23
200.N	55850.9	07:26:37
225.N	55848.4	07:25:13
250.N	55843.6	07:23:16
275.N	55845.5	07:21:48
300.N	55847.4	07:19:56
325.N	55861.3	07:18:17
350.N	55855.9	07:16:44
375.N	55872.4	07:15:45
400.N	55866.0	07:12:27
425.N	55869.9	07:10:40
450.N	55866.8	07:09:01
475.N	55878.8	07:07:20
500.N	55871.0	07:04:06
525.N	55890.0	07:02:13
550.N	55892.5	07:00:48
575.N	55896.0	06:59:15
600.N	55907.3	06:57:39

IGSEDIT Summary Page 5 EDITED DATA FILE --> B:MAG04.CLN

GRID: 1. LINE: 1400.W

STATION	TOT-FLD	TIME
250.S	55728.7	05:48:14
225.S	55757.4	05:49:54
200.S	55712.5	05:50:54
175.S	55719.0	05:52:13
150.S	55757.9	05:53:04
125.S	55794.4	05:58:29
100.S	55761.7	06:00:00
75.S	55772.6	06:01:30
50.S	55801.0	06:03:04
25.S	55791.7	06:05:04
0.N	55800.7	06:07:13
25.N	55803.7	06:08:41
50.N	55834.6	06:10:03
75.N	55797.1	06:11:04
100.N	55816.4	06:12:25
125.N	55819.5	06:13:28
150.N	55819.0	06:15:25
175.N	55825.7	06:16:40
200.N	55846.4	06:18:46
225.N	55813.9	06:20:45
250.N	55841.2	06:22:22
275.N	55840.4	06:23:56
300.N	55835.9	06:26:01
325.N	55849.0	06:27:17
350.N	55866.0	06:28:42
375.N	55853.5	06:30:08
400.N	55846.1	06:31:29
425.N	55844.9	06:33:14
450.N	55857.3	06:36:01
475.N	55870.2	06:37:23
500.N	55859.1	06:39:19
525.N	55883.7	06:40:50
550.N	55906.8	06:42:27
575.N	56022.3	06:44:06
600.N	55948.2	06:45:32

(DATA FILED ON DISK IN : B:MAG01.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 900.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55698.2		15:44:12	
300.S	55741.5	43.3	15:46:14	
250.S	55782.0	40.5	15:48:40	
225.S	55818.8	-163.2	15:51:09	
200.S	55672.4	73.6	15:52:56	
175.S	55683.1	-9.3	15:54:45	
150.S	55714.1	31.0	15:56:14	
125.S	55725.6	11.5	15:57:38	
100.S	55735.8	10.2	15:59:53	
75.S	55725.6	-10.2	16:01:14	
50.S	55722.0	-3.6	16:02:43	
25.S	55738.0	16.0	16:04:50	
0.	55746.0	8.0	13:38:24	
0.	55746.2	0.2	16:06:27	
25.N	55765.1	18.9	13:41:23	
50.N	55758.4	-6.7	13:42:52	
75.N	55779.4	21.0	13:44:13	
100.N	55786.2	6.8	13:45:47	
125.N	55759.2	-27.0	13:47:04	
150.N	55786.7	27.5	13:48:45	
175.N	55771.5	-15.2	13:50:37	
200.N	55805.9	34.4	13:51:58	
225.N	55771.3	-34.6	13:53:39	
250.N	55787.7	16.4	13:55:01	
275.N	55788.9	1.2	13:56:37	
300.N	55870.4	81.5	13:58:35	
325.N	55846.9	-23.5	14:00:12	
350.N	55796.8	-50.1	14:02:10	
375.N	55810.1	13.3	14:03:57	
400.N	55794.2	-15.9	14:05:10	
425.N	55806.0	11.8	14:06:44	
450.N	55924.4	118.4	14:09:06	
475.N	55828.2	-96.2	14:11:11	
500.N	55789.7	-38.5	14:12:45	
525.N	55841.8	52.1	14:14:28	
550.N	55811.4	-30.4	14:16:07	
587.5N	55857.1	45.7	14:17:42	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Lines: 800.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55737.8		15:32:40	
250.S	55751.4	13.6	15:30:58	
225.S	55606.1	-145.3	15:27:11	
200.S	55664.9	58.8	15:25:44	
175.S	55676.8	11.9	15:24:20	
150.S	55690.8	14.0	15:22:52	
125.S	55730.6	39.8	15:21:29	
100.S	55711.7	-18.9	15:19:35	
75.S	55724.5	12.8	15:18:11	
50.S	55728.3	3.8	15:16:45	
25.S	55731.4	3.1	15:15:20	
0.	55757.9	26.5	15:13:50	
25.N	55699.7	-58.2	15:12:02	
50.N	55749.0	49.3	15:10:20	
75.N	55789.2	40.2	15:08:50	
100.N	55771.0	-18.2	15:07:29	
125.N	55769.5	-1.5	15:06:06	
150.N	55786.3	16.8	15:04:04	
175.N	55810.9	24.6	15:02:34	
200.N	55780.2	-30.7	15:01:01	
225.N	55801.6	21.4	14:59:28	
250.N	55803.1	1.5	14:57:57	
275.N	55813.7	10.6	14:56:31	
300.N	55817.8	4.1	14:55:16	
325.N	55809.0	-8.8	14:53:55	
350.N	55819.8	10.8	14:52:29	
375.N	55819.5	-0.3	14:51:05	
400.N	55728.4	-91.1	14:49:06	
425.N	55863.5	135.1	14:29:18	
425.N	55861.9	-1.6	14:46:39	
450.N	55776.9	-85.0	14:30:28	
475.N	55847.2	70.3	14:32:01	
500.N	55828.1	-19.1	14:33:37	
525.N	55838.7	10.6	14:35:04	
550.N	55835.2	-3.5	14:36:36	
575.N	55839.7	4.5	14:39:13	
600.N	55817.7	-22.0	14:40:42	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Lines: 700.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
262.5S	55769.9		17:20:49	
250.S	55957.7	187.8	17:17:53	
225.S	55706.8	-250.9	17:15:58	
200.S	55677.4	-29.4	17:14:43	
175.S	55696.8	19.4	17:13:19	
150.S	55704.1	7.3	17:11:44	
125.S	55712.6	8.5	17:09:58	
100.S	55726.6	14.0	17:08:26	
75.S	55729.9	3.3	17:06:25	
50.S	55737.8	7.9	17:04:25	
25.S	55751.4	13.6	17:02:41	
0.	55751.4	0.0	17:01:00	
25.N	55762.9	11.5	16:58:17	
50.N	55764.0	1.1	16:56:49	
75.N	55790.6	26.6	16:55:30	
100.N	55777.2	-13.4	16:54:10	
125.N	55772.1	-5.1	16:52:46	
150.N	55796.7	24.6	16:51:06	
175.N	55777.8	-18.9	16:27:16	
175.N	55788.1	10.3	16:49:15	
200.N	55846.7	60.6	16:47:57	
225.N	55798.5	-50.2	16:46:37	
250.N	55795.4	-3.1	16:45:05	
275.N	55821.5	26.1	16:43:43	
300.N	55820.5	-1.0	16:41:45	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Lines: 600.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
237.5S	55715.5		17:41:10	
225.S	55725.5	12.0	17:44:32	
175.S	55687.5	-38.0	17:46:19	
150.S	55715.6	28.1	17:48:01	
125.S	55726.6	11.0	17:49:35	
100.S	55723.3	-3.3	17:51:17	
75.S	55723.8	0.5	17:53:15	
50.S	55608.5	-115.3	17:54:32	
25.S	55753.1	144.6	17:55:51	
0.	55761.6	8.5	17:57:32	
25.N	55430.9	-330.7	17:59:05	
50.N	55769.5	338.6	18:01:30	
75.N	55789.7	20.2	18:03:22	
100.N	55770.7	-19.0	18:06:10	
125.N	55787.9	17.2	18:08:13	
150.N	55795.6	7.7	18:09:53	
175.N	55802.9	7.3	18:11:39	
200.N	55809.1	6.2	18:14:10	
237.5N	55715.5	-93.6	17:39:41	

(DATA FILED ON DISK IN : B:VLFNLK01.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 900.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
325.S	13	-10	130.00	15:44:33
300.S	12	-9	134.00	15:46:34
250.S	16	-8	137.00	15:49:25
225.S	21	-6	144.00	15:51:41
200.S	13	-6	150.00	15:53:28
175.S	13	-9	152.00	15:55:03
150.S	13	-8	150.00	15:56:32
125.S	15	-6	152.00	15:57:58
100.S	13	-7	157.00	16:00:12
75.S	10	-7	163.00	16:01:32
50.S	10	-9	163.00	16:03:02
25.S	9	-10	161.00	16:05:11
0.	13	-7	153.00	13:39:24
0.	14	-8	159.00	16:06:48
25.N	15	-5	162.00	13:41:43
50.N	6	-5	179.00	13:43:15
75.N	-4	-6	179.00	13:44:38
100.N	-7	-1	165.00	13:46:07
125.N	-7	5	148.00	13:47:28
150.N	-3	8	138.00	13:49:07
175.N	0	12	138.00	13:51:01
200.N	3	8	141.00	13:52:19
225.N	5	9	139.00	13:53:58
250.N	5	5	138.00	13:55:20
275.N	7	6	134.00	13:56:54
300.N	13	7	139.00	13:58:53
325.N	12	5	145.00	14:00:28
350.N	16	3	151.00	14:02:30
375.N	14	2	152.00	14:03:56
400.N	14	2	154.00	14:05:27
425.N	12	4	165.00	14:07:01
450.N	6	2	161.00	14:09:24
475.N	5	2	156.00	14:11:32
500.N	8	4	149.00	14:13:03
525.N	6	4	151.00	14:14:46
550.N	7	4	153.00	14:16:24
587.5N	5	3	156.00	14:18:02

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 800.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	17	-8	124.00	15:33:02
250.S	16	-7	131.00	15:31:16
225.S	19	-7	137.00	15:27:33
200.S	17	-6	143.00	15:26:02
175.S	14	-8	149.00	15:24:38
150.S	16	-8	143.00	15:23:09
125.S	16	-6	149.00	15:21:45
100.S	12	-8	156.00	15:19:53
75.S	9	-9	166.00	15:18:31
50.S	8	-8	159.00	15:17:02
25.S	9	-9	156.00	15:15:38
0.	10	-7	162.00	15:14:14
25.N	11	-5	167.00	15:12:20
50.N	6	-5	186.00	15:10:43
75.N	-9	-8	176.00	15:09:13
100.N	-10	-1	164.00	15:07:46
125.N	-9	3	149.00	15:06:20
150.N	-8	8	136.00	15:04:24
175.N	-3	11	139.00	15:02:50
200.N	1	10	136.00	15:01:18
225.N	5	10	135.00	14:59:49
250.N	3	6	136.00	14:58:14
275.N	6	6	135.00	14:56:48
300.N	10	7	133.00	14:55:34
325.N	14	6	143.00	14:54:13
350.N	13	5	142.00	14:52:48
375.N	12	5	142.00	14:51:28
400.N	15	7	147.00	14:49:24
425.N	10	3	160.00	14:29:39
425.N	10	3	158.00	14:46:59
450.N	8	2	150.00	14:30:52
475.N	7	4	151.00	14:32:19
500.N	7	5	151.00	14:33:55
525.N	7	5	151.00	14:35:21
550.N	9	4	149.00	14:36:54
575.N	6	3	149.00	14:39:31
600.N	4	2	149.00	14:41:00

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 700.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
262.5S	19	-5	123.00	17:21:17
250.S	22	-4	127.00	17:18:17
225.S	19	-5	135.00	17:16:17
200.S	16	-6	138.00	17:14:58
175.S	15	-5	143.00	17:13:36
150.S	12	-5	149.00	17:12:02
125.S	15	-7	154.00	17:10:16
100.S	8	-9	152.00	17:08:45
75.S	12	-8	156.00	17:06:43
50.S	11	-7	160.00	17:04:47
25.S	2	-9	165.00	17:02:59
0.	8	-8	207.00	17:01:21
25.N	9	-3	175.00	16:58:36
50.N	8	-2	198.00	16:57:04
75.N	-13	-6	190.00	16:55:48
100.N	-15	-2	166.00	16:54:28
125.N	-15	1	151.00	16:53:04
150.N	-10	6	138.00	16:51:36
175.N	0	12	142.00	16:27:39
175.N	-3	10	140.00	16:49:33
200.N	-2	8	140.00	16:48:12
225.N	0	9	140.00	16:46:54
250.N	0	7	146.00	16:45:22
275.N	3	5	145.00	16:44:03
300.N	3	3	138.00	16:42:07

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 600.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
237.5S	18	-3	123.00	17:41:31
225.S	16	-3	130.00	17:44:47
175.S	16	-3	137.00	17:46:38
150.S	14	-5	142.00	17:48:16
125.S	10	-7	147.00	17:49:52
100.S	13	-8	146.00	17:51:38
75.S	9	-8	145.00	17:53:33
50.S	9	-6	147.00	17:54:55
25.S	9	-6	156.00	17:56:11
0.	13	-5	162.00	17:57:53
25.N	11	-2	167.00	17:59:32
50.N	10	2	179.00	18:01:52
75.N	2	6	206.00	18:03:44
100.N	-14	-2	172.00	18:06:28
125.N	-15	2	159.00	18:08:31
150.N	-10	6	147.00	18:10:11
175.N	-4	10	148.00	18:11:56
200.N	-5	7	140.00	18:14:32
237.5N	19	-3	125.00	17:40:03

(DATA FILED ON DISK IN : B:VLFNEM01.DAT)

↑ I corrected file name on disc

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 900.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
325.S	4	11	5.16	15:45:25
300.S	1	9	5.23	15:46:56
250.S	0	9	5.09	15:49:42
225.S	-7	5	5.20	15:52:00
200.S	1	7	5.08	15:53:44
175.S	1	9	4.99	15:55:25
150.S	4	10	4.94	15:56:54
125.S	3	9	4.65	15:58:20
100.S	0	7	4.53	16:00:30
75.S	-6	5	4.50	16:01:52
50.S	-8	4	4.42	16:03:20
25.S	-9	6	4.26	16:05:27
0.	-8	5	4.39	13:40:31
0.	-6	6	4.30	16:07:08
25.N	-3	5	4.31	13:42:04
50.N	-8	6	4.28	13:43:30
75.N	5	8	4.32	13:45:05
100.N	6	1	4.26	13:46:25
125.N	9	-2	4.25	13:47:49
150.N	2	-3	4.21	13:49:27
175.N	-0	-10	4.15	13:51:27
200.N	-3	-5	4.16	13:52:38
225.N	-2	-4	3.81	13:54:16
250.N	-11	-5	3.81	13:55:38
275.N	-9	-7	3.77	13:57:08
300.N	-11	-4	4.07	13:59:11
325.N	-13	-4	4.18	14:00:47
350.N	-10	-5	3.93	14:02:49
375.N	-16	-7	4.02	14:04:20
400.N	-10	-4	3.91	14:05:51
425.N	-10	-5	4.09	14:07:37
450.N	-7	-5	4.17	14:10:01
475.N	-5	-3	4.12	14:11:49
500.N	0	-2	4.00	14:13:20
525.N	-1	-4	4.16	14:15:00
550.N	0	-3	4.22	14:16:37
587.5N	4	-1	4.35	14:18:21

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 800.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	6	10	5.36	15:33:23
250.S	8	10	5.40	15:31:34
225.S	8	9	5.40	15:27:51
200.S	6	9	5.30	15:26:16
175.S	15	11	5.31	15:24:55
150.S	10	11	5.27	15:23:28
125.S	9	10	5.38	15:22:02
100.S	6	9	5.25	15:20:09
75.S	13	12	5.25	15:18:49
50.S	14	12	5.11	15:17:17
25.S	17	11	4.77	15:15:57
0.	16	11	4.67	15:14:30
25.N	9	9	4.68	15:12:37
50.N	12	9	4.73	15:11:01
75.N	23	12	4.53	15:09:33
100.N	24	9	4.41	15:08:01
125.N	25	4	4.25	15:06:35
150.N	22	1	4.36	15:04:50
175.N	17	-1	4.28	15:03:07
200.N	18	-1	4.17	15:01:35
225.N	12	-1	4.27	15:00:03
250.N	13	1	4.03	14:58:33
275.N	11	-0	4.14	14:57:06
300.N	6	-2	3.94	14:55:47
325.N	5	-2	4.14	14:54:27
350.N	7	1	4.06	14:53:07
375.N	9	-1	4.14	14:51:45
400.N	10	-2	4.11	14:49:38
425.N	9	-0	4.06	14:29:58
425.N	9	0	4.00	14:47:15
450.N	8	0	4.17	14:31:05
475.N	13	2	4.31	14:32:37
500.N	9	-1	4.22	14:34:09
525.N	7	-4	3.94	14:35:34
550.N	9	-1	4.27	14:37:11
575.N	9	-1	4.16	14:39:46
600.N	13	2	4.21	14:41:31

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 700.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
262.5S	20	16	5.08	17:21:38
250.S	20	14	5.25	17:18:48
225.S	16	13	5.16	17:16:35
200.S	17	11	5.30	17:15:16
175.S	14	11	5.40	17:13:54
150.S	16	10	5.39	17:12:32
125.S	13	7	5.34	17:10:34
100.S	17	9	5.35	17:08:58
75.S	17	10	5.29	17:06:56
50.S	19	9	5.21	17:05:08
25.S	22	13	5.11	17:03:17
0.	19	12	4.92	17:01:43
25.N	21	11	4.45	16:58:55
50.N	21	9	4.52	16:57:25
75.N	37	12	4.53	16:56:06
100.N	38	8	4.49	16:54:44
125.N	36	8	4.46	16:53:22
150.N	31	4	4.45	16:51:54
175.N	-3	-11	3.78	16:28:00
175.N	31	2	4.29	16:49:46
200.N	28	2	4.15	16:48:25
225.N	28	3	4.34	16:47:09
250.N	29	3	4.31	16:45:39
275.N	28	5	4.24	16:44:16
300.N	27	4	4.04	16:43:07

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 600.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
237.5S	15	7	5.38	17:41:45
225.S	19	8	5.36	17:45:00
175.S	19	8	5.48	17:46:51
150.S	15	8	5.23	17:48:29
125.S	20	8	5.10	17:50:05
100.S	24	10	5.13	17:51:51
75.S	20	10	5.02	17:53:46
50.S	22	8	4.95	17:55:09
25.S	18	6	4.60	17:56:45
0.	24	8	4.73	17:58:13
25.N	28	10	4.52	17:59:49
50.N	30	7	4.38	18:02:10
75.N	31	3	4.30	18:04:05
100.N	41	10	4.32	18:06:46
125.N	42	9	4.14	18:08:51
150.N	43	5	4.15	18:10:25
175.N	38	2	4.04	18:12:11
200.N	37	6	4.10	18:15:04
237.5N	18	7	5.33	17:40:19

(DATA FILED ON DISK IN : B:UNCOR01.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 900.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55680.2*		15:44:12	
300.S	55721.5*	41.3	15:46:14	
250.S	55762.6*	41.1	15:48:40	
225.S	55600.1*	-162.5	15:51:09	
200.S	55675.4*	75.3	15:52:56	
175.S	55666.5*	-8.9	15:54:45	
150.S	55698.3*	31.8	15:56:14	
125.S	55710.7*	12.4	15:57:38	
100.S	55722.3*	11.6	15:59:53	
75.S	55712.1*	-10.2	16:01:14	
50.S	55707.2*	-4.9	16:02:43	
25.S	55723.8*	16.6	16:04:50	
0.	55731.2*	7.4	13:38:24	
0.	55732.5*	1.3	16:06:27	
25.N	55750.2*	17.7	13:41:23	
50.N	55743.6*	-6.6	13:42:52	
75.N	55764.8*	21.2	13:44:13	
100.N	55771.2*	6.4	13:45:47	
125.N	55742.9*	-28.3	13:47:04	
150.N	55768.7*	25.8	13:48:45	
175.N	55752.9*	-15.8	13:50:37	
200.N	55787.9*	35.0	13:51:58	
225.N	55753.4*	-34.5	13:53:39	
250.N	55770.7*	17.3	13:55:01	
275.N	55772.5*	1.8	13:56:37	
300.N	55854.7*	82.2	13:58:35	
325.N	55831.9*	-22.8	14:00:12	
350.N	55781.9*	-50.0	14:02:10	
375.N	55795.1*	13.2	14:03:37	
400.N	55778.8*	-16.3	14:05:10	
425.N	55790.6*	11.8	14:06:44	
450.N	55908.2*	117.6	14:09:06	
475.N	55812.1*	-96.1	14:11:11	
500.N	55773.5*	-38.6	14:12:45	
525.N	55824.9*	51.4	14:14:28	
550.N	55794.2*	-30.7	14:16:07	
587.5N	55839.3*	45.1	14:17:42	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 800.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55721.1*		15:32:40	
250.S	55734.7*	13.6	15:30:58	
225.S	55589.0*	-145.7	15:27:11	
200.S	55647.7*	58.7	15:25:44	
175.S	55659.4*	11.7	15:24:20	
150.S	55673.3*	13.9	15:22:52	
125.S	55711.7*	38.4	15:21:29	
100.S	55694.1*	-17.6	15:19:35	
75.S	55706.2*	12.1	15:18:11	
50.S	55709.8*	3.6	15:16:45	
25.S	55713.0*	3.2	15:15:20	
0.	55739.2*	26.2	15:13:50	
25.N	55680.7*	-58.5	15:12:02	
50.N	55730.2*	49.5	15:10:20	
75.N	55770.4*	40.2	15:08:50	
100.N	55752.8*	-17.6	15:07:29	
125.N	55751.3*	-1.5	15:06:06	
150.N	55768.0*	16.7	15:04:04	
175.N	55792.4*	24.4	15:02:34	
200.N	55761.7*	-30.7	15:01:01	
225.N	55781.9*	20.2	14:59:28	
250.N	55783.3*	1.4	14:57:57	
275.N	55794.6*	11.3	14:56:31	
300.N	55798.9*	4.3	14:55:16	
325.N	55790.4*	-8.5	14:53:55	
350.N	55801.7*	11.3	14:52:29	
375.N	55800.3*	-1.4	14:51:05	
400.N	55709.1*	-91.2	14:49:06	
425.N	55843.4*	134.3	14:29:18	
425.N	55842.3*	-1.1	14:46:39	
450.N	55756.4*	-85.9	14:30:28	
475.N	55826.6*	70.2	14:32:01	
500.N	55807.4*	-19.2	14:33:37	
525.N	55818.0*	10.6	14:35:04	
550.N	55814.7*	-3.3	14:36:36	
575.N	55819.6*	4.9	14:39:13	
600.N	55798.2*	-21.4	14:40:42	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 700.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
262.5S	55762.4*		17:20:49	
250.S	55951.6*	189.2	17:17:53	
225.S	55700.4*	-251.2	17:15:58	
200.S	55670.9*	-29.5	17:14:43	
175.S	55689.7*	18.8	17:13:19	
150.S	55698.4*	8.7	17:11:44	
125.S	55706.8*	8.4	17:09:58	
100.S	55720.9*	14.1	17:08:26	
75.S	55725.4*	4.5	17:06:25	
50.S	55733.8*	8.4	17:04:25	
25.S	55748.8*	15.0	17:02:41	
0.	55748.6*	-0.2	17:01:00	
25.N	55760.5*	11.9	16:58:17	
50.N	55761.2*	0.7	16:56:49	
75.N	55787.5*	26.3	16:55:30	
100.N	55774.0*	-13.5	16:54:10	
125.N	55768.4*	-5.6	16:52:46	
150.N	55792.8*	24.4	16:51:06	
175.N	55767.5*	-25.3	16:27:16	
175.N	55782.7*	15.2	16:49:15	
200.N	55843.4*	60.7	16:47:57	
225.N	55792.4*	-51.0	16:46:37	
250.N	55789.2*	-3.2	16:45:05	
275.N	55815.0*	25.8	16:43:43	
300.N	55813.1*	-1.9	16:41:45	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 600.W Grid: 1. Job: 8615. Date: 86/06/08 Operator: 2.

Station	Mag Fld	Change	Time	Information
237.5S	55711.9*		17:41:10	
225.S	55724.0*	12.1	17:44:32	
175.S	55687.5*	-36.5	17:46:19	
150.S	55717.2*	29.7	17:48:01	
125.S	55729.2*	12.0	17:49:35	
100.S	55725.4*	-3.8	17:51:17	
75.S	55726.1*	0.7	17:53:15	
50.S	55610.8*	-115.3	17:54:33	
25.S	55756.4*	145.6	17:55:51	
0.	55766.2*	9.8	17:57:32	
25.N	55436.0*	-330.2	17:59:05	
50.N	55776.2*	340.2	18:01:30	
75.N	55796.6*	20.4	18:03:22	
100.N	55777.5*	-19.1	18:06:10	
125.N	55795.5*	18.0	18:08:13	
150.N	55804.1*	8.6	18:09:53	
175.N	55812.1*	8.0	18:11:39	
200.N	55819.1*	7.0	18:14:10	
237.5N	55713.8*	-105.3	17:39:41	

(DATA FILED ON DISK IN : B:MAG02.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 200.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
50.S	55700.3		08:23:44	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 100.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.
TAPE IS SAME AS LINE 1W

Station	Mag Fld	Change	Time	Information
25.N	55777.8		08:37:02	
50.N	55838.2	60.4	08:39:58	
75.N	55818.5	-19.7	08:41:30	
100.N	55812.7	-5.8	08:43:26	
125.N	55811.8	-0.9	08:44:59	
150.N	55809.2	-2.6	08:46:32	
175.N	55834.7	25.5	08:48:14	
200.N	55830.3	-4.4	08:51:56	
225.N	55858.0	27.7	08:54:51	
250.N	55852.4	-5.6	08:56:16	
275.N	55864.9	12.5	08:57:31	
300.N	55862.5	-2.4	08:59:01	
325.N	55874.4	11.9	09:00:28	
350.N	55885.9	11.5	09:01:53	
375.N	55873.4	-12.5	09:03:01	
400.N	55868.1	-5.3	09:04:06	
425.N	55873.8	5.7	09:06:29	
450.N	55896.3	22.5	09:08:16	
475.N	55860.6	-35.7	09:10:41	
500.N	55923.1	62.5	09:11:57	
525.N	55889.3	-33.8	09:14:03	
550.N	55888.4	-0.9	09:16:30	
575.N	55890.2	1.8	09:18:10	
600.N	55894.3	4.1	09:20:02	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 7.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
300.N	55827.0		15:19:17	
325.N	55826.7	-0.3	15:22:02	
350.N	55832.4	5.7	15:24:00	
375.N	55832.6	0.2	15:28:32	
400.N	55835.9	3.3	15:27:55	
425.N	55865.0	29.1	15:29:45	
450.N	55868.5	3.5	15:31:30	
475.N	55833.1	-35.4	15:33:12	
500.N	55862.6	29.5	15:34:57	
525.N	55867.2	4.6	15:36:53	
550.N	55879.7	12.5	15:38:14	
575.N	55821.2	-58.5	15:39:59	
600.N	55833.5	12.3	15:41:58	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 6.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
200.N	55814.7		16:35:32	
225.N	55831.3	16.6	16:33:59	
250.N	55816.5	-14.8	16:32:19	
275.N	55830.4	13.9	16:30:34	
300.N	55823.9	-6.5	16:29:05	
325.N	55833.9	10.0	16:27:29	
375.N	55828.2	-5.7	16:25:06	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 3.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
300.S	56378.9		12:32:53	
275.S	55621.8	-757.1	12:35:55	
250.S	55665.9	44.1	12:38:00	
225.S	55554.2	-111.7	12:41:07	
200.S	55628.2	74.0	12:43:33	
175.S	55710.0	81.8	12:45:36	
150.S	55670.1	-39.9	12:48:26	
125.S	55605.1	-65.0	12:50:07	
100.S	55685.1	80.0	12:51:50	
75.S	55745.8	60.7	12:53:51	
50.S	55740.6	-5.2	12:59:13	
25.S	55772.8	32.2	13:01:54	
0.	55785.7	12.9	13:03:54	
25.N	55798.7	13.0	13:05:47	
50.N	55822.5	23.8	13:08:10	
75.N	55819.8	-2.7	13:09:36	
100.N	55832.9	13.1	13:10:57	
125.N	55803.7	-29.2	13:11:59	
150.N	55817.6	13.9	13:12:55	
175.N	55870.3	52.7	13:14:22	
200.N	55823.2	-47.1	13:15:29	
225.N	55834.3	11.1	13:17:00	
250.N	55835.6	1.3	13:18:31	
275.N	55846.6	11.0	13:20:29	
300.N	55850.4	3.8	13:21:55	
325.N	55844.0	-6.4	13:23:46	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55957.8		12:17:14	
300.S	55902.3	-55.5	12:14:30	
275.S	55693.4	-208.9	12:12:12	
250.S	55692.9	-0.5	12:09:39	
225.S	55669.6	-23.3	12:06:50	
200.S	55667.2	-2.4	12:04:22	
175.S	55620.7	-46.5	12:01:55	
150.S	55668.0	47.3	12:00:22	
150.S	55698.5	30.5	14:48:58	
125.S	55682.4	-16.1	14:47:10	
100.S	55658.0	-24.4	14:45:53	
75.S	55717.4	59.4	14:43:23	
50.S	55695.4	-22.0	14:40:51	
25.S	55725.0	29.6	14:39:10	
0.	55749.4	24.4	14:36:51	
25.N	55787.9	38.5	14:34:35	
50.N	55805.0	17.1	14:31:51	
75.N	55816.1	11.1	14:28:59	
100.N	55816.3	0.2	14:27:24	
125.N	55834.9	18.6	14:25:40	
150.N	55826.4	-8.5	14:24:13	
175.N	55838.1	11.7	14:22:36	
200.N	55839.7	1.6	14:21:12	
225.N	55836.0	-3.7	14:19:52	
250.N	55856.4	20.4	14:18:09	
275.N	55858.2	1.8	14:06:09	
300.N	55865.8	7.6	14:06:28	
325.N	55866.0	0.2	14:05:16	
350.N	55865.6	-0.4	14:04:00	
375.N	55866.1	0.5	14:02:33	
400.N	55857.3	-8.8	14:00:49	
425.N	55869.3	12.0	13:59:13	
450.N	55868.1	-1.2	13:56:02	
475.N	55878.6	10.5	13:54:02	
500.N	55872.6	-6.0	13:52:48	
525.N	55878.2	5.6	13:51:27	
550.N	55889.3	11.1	13:49:53	
575.N	55899.3	10.0	13:48:07	
600.N	55888.8	-10.5	13:46:33	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55688.1		11:24:28	
250.S	55689.6	1.5	11:22:41	
225.S	55732.5	42.9	11:20:01	
200.S	55737.2	4.7	11:17:50	
175.S	55696.2	-41.0	11:15:42	
150.S	55705.9	9.7	11:13:57	
125.S	55702.8	-3.1	11:12:34	
100.S	55686.8	-16.0	11:10:08	
75.S	55683.4	-3.4	11:08:04	
75.S	55681.4	-2.0	11:33:02	
50.S	55696.9	15.5	11:34:26	
25.S	55757.2	60.3	11:38:47	
0.	55802.5	45.3	11:41:52	
25.N	55776.0	-26.5	11:43:38	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 0. Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55674.5		10:35:54	
250.S	55694.0	19.5	10:32:13	
225.S	55733.5	39.5	10:30:35	
200.S	55769.6	36.1	10:28:49	
175.S	55736.5	-33.1	10:26:47	
150.S	55685.4	-51.1	10:23:03	
125.S	5560B.3	-77.1	10:20:00	
100.S	55637.4	29.1	10:17:51	
75.S	55668.7	31.5	10:15:56	
50.S	55704.6	15.7	10:14:08	
25.S	55727.3	22.7	10:12:08	
0.	55733.1	5.8	10:10:17	
25.N	55736.2	3.1	10:08:09	
50.N	55736.2	0.0	10:05:19	
75.N	55825.3	89.1	10:02:59	
100.N	55798.4	-26.9	10:01:16	
125.N	55795.6	-2.8	09:59:22	
150.N	55799.9	4.3	09:57:55	
175.N	55821.2	21.3	09:56:22	
200.N	55829.2	8.0	09:54:24	
225.N	55847.7	18.5	09:52:30	
250.N	55849.0	1.3	09:51:14	
275.N	55860.7	11.7	09:48:08	
300.N	55880.6	19.9	09:46:56	
325.N	55868.0	-12.6	09:45:37	
350.N	55881.0	13.0	09:44:04	
375.N	55887.5	6.5	09:42:52	
400.N	55875.5	-12.0	09:41:28	
425.N	55870.3	14.8	09:39:45	
450.N	55865.3	-25.0	09:38:13	
475.N	55871.0	5.7	09:36:50	
500.N	55860.1	-10.9	09:35:13	
525.N	55882.7	22.6	09:32:02	
550.N	55893.7	11.0	09:30:22	
575.N	56135.3	241.6	09:26:50	
575.N	55932.3	-203.0	09:28:23	
600.N	55899.3	-33.0	09:25:05	

(DATA FILED ON DISK IN : B:VLFNPM02.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 100.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
25.N	-3	8	4.16	08:37:46
50.N	0	9	4.28	08:40:32
75.N	-5	3	4.30	08:42:12
100.N	-3	-3	4.44	08:43:59
125.N	-6	-10	4.60	08:45:35
150.N	-11	-19	4.69	08:47:05
175.N	-3	-15	4.74	08:48:49
200.N	-1	-12	4.84	08:52:30
225.N	6	-6	5.15	08:55:27
250.N	15	-3	4.75	08:56:48
275.N	21	2	4.46	08:58:10
300.N	14	-1	4.51	08:59:36
325.N	15	-0	4.44	09:01:04
350.N	13	-2	4.51	09:02:27
375.N	20	2	4.49	09:03:33
400.N	25	6	4.37	09:04:43
425.N	29	2	4.42	09:07:02
450.N	30	2	4.58	09:09:00
475.N	36	1	4.56	09:11:18
500.N	18	-6	4.32	09:12:38
525.N	29	-0	4.32	09:14:36
550.N	23	-4	4.35	09:17:01
575.N	27	-1	4.26	09:18:57
600.N	25	-3	4.40	09:20:35

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 7.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
300.N	23	4	4.46	15:19:58
325.N	22	1	4.53	15:22:35
350.N	16	0	4.49	15:24:30
375.N	18	0	4.46	15:26:10
400.N	19	-1	4.49	15:28:24
425.N	18	0	4.48	15:30:22
450.N	17	1	4.43	15:32:05
475.N	13	-2	4.29	15:33:45
500.N	16	-3	4.37	15:35:36
525.N	16	-0	4.49	15:37:29
550.N	19	0	4.39	15:38:47
575.N	20	3	4.40	15:40:31
600.N	23	4	4.27	15:42:33

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 6.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
200.N	33	5	5.32	16:36:06
225.N	36	6	5.08	16:34:30
250.N	33	5	5.03	16:32:52
275.N	30	5	4.87	16:31:09
300.N	36	6	4.68	16:29:37
325.N	32	5	4.77	16:28:00
375.N	33	5	4.84	16:25:41

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 5.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
300.S	27	16	6.55	12:33:41
275.S	24	14	6.62	12:36:30
250.S	26	16	6.60	12:38:36
225.S	26	14	6.77	12:41:38
200.S	27	15	6.71	12:44:09
175.S	27	13	6.74	12:46:10
150.S	23	10	6.78	12:49:00
125.S	15	6	6.96	12:50:44
100.S	18	3	7.29	12:52:20
75.S	13	0	7.25	12:54:22
50.S	16	-0	7.70	12:57:45
25.S	15	-2	7.73	13:02:25
0.	16	-2	7.90	13:04:29
25.N	14	-1	7.91	13:06:25
50.N	18	-1	7.82	13:08:44
75.N	18	-0	7.76	13:10:06
100.N	21	-3	7.64	13:11:31
125.N	24	-2	7.66	13:12:28
150.N	23	-4	7.57	13:13:30
175.N	27	-1	7.76	13:14:54
200.N	26	-3	7.61	13:16:00
225.N	23	-3	7.08	13:17:32
250.N	25	0	7.34	13:19:08
275.N	29	2	7.38	13:21:03
300.N	33	5	7.21	13:22:29
325.N	34	8	6.95	13:24:21

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
325.S	38	20	6.13	12:17:51
300.S	37	21	6.33	12:15:10
275.S	30	22	6.29	12:12:54
250.S	30	17	6.33	12:10:13
225.S	23	16	6.60	12:07:21
200.S	25	14	6.60	12:04:56
175.S	22	13	6.76	12:02:27
150.S	16	9	6.98	12:01:08
150.S	19	8	8.21	14:49:39
125.S	26	14	7.64	14:47:45
100.S	20	10	7.54	14:46:27
75.S	12	4	7.61	14:43:58
50.S	12	3	7.50	14:41:28
25.S	10	1	7.51	14:39:43
0.	8	1	7.92	14:37:27
25.N	7	0	8.24	14:35:14
50.N	10	-1	8.65	14:32:30
75.N	8	-4	9.02	14:29:33
100.N	9	-9	9.08	14:27:58
125.N	10	-8	9.08	14:26:15
150.N	21	-1	8.91	14:24:39
175.N	22	-1	8.66	14:23:09
200.N	25	0	8.29	14:21:47
225.N	27	0	8.20	14:20:25
250.N	20	-2	8.44	14:18:43
275.N	21	-2	8.29	14:08:44
300.N	21	-1	8.42	14:07:04
325.N	26	0	8.23	14:05:48
350.N	23	0	8.12	14:04:35
375.N	25	1	7.91	14:03:07
400.N	31	4	8.02	14:01:24
425.N	34	4	7.69	13:59:48
450.N	36	1	7.53	13:56:37
475.N	34	0	7.68	13:54:37
500.N	39	-0	7.39	13:53:19
525.N	40	0	7.53	13:51:57
550.N	37	-2	7.32	13:50:25
575.N	36	-2	7.37	13:48:37
600.N	39	-1	7.47	13:47:07

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 1.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	33	22	5.69	11:24:56
250.S	31	20	5.74	11:23:10
225.S	26	20	5.49	11:20:37
200.S	22	18	5.78	11:18:24
175.S	23	18	5.71	11:16:16
150.S	18	17	5.95	11:14:34
125.S	17	16	5.89	11:13:03
100.S	19	15	5.86	11:10:41
75.S	17	13	5.62	11:08:52
75.S	18	14	6.15	11:33:32
50.S	13	10	6.06	11:36:59
25.S	10	7	6.44	11:39:24
0.	7	7	6.46	11:42:19
25.N	0	4	6.76	11:44:08

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 0. Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	37	27	5.06	10:36:30
250.S	36	25	5.16	10:35:35
225.S	32	21	5.02	10:31:06
200.S	24	21	5.06	10:29:29
175.S	19	21	5.03	10:27:20
150.S	17	18	5.26	10:26:12
125.S	15	15	5.23	10:20:35
100.S	19	16	5.08	10:18:23
75.S	17	18	4.69	10:16:29
50.S	19	20	4.45	10:14:36
25.S	18	21	4.33	10:12:39
0.	14	21	4.09	10:10:54
25.N	3	16	4.05	10:08:39
50.N	2	14	4.28	10:05:52
75.N	-0	11	4.46	10:03:33
100.N	1	4	4.42	10:01:51
125.N	5	-2	4.42	09:59:58
150.N	3	-2	4.61	09:58:29
175.N	10	-4	4.49	09:56:56
200.N	6	-5	4.62	09:54:57
225.N	2	-6	4.53	09:53:04
250.N	6	-2	4.62	09:51:48
275.N	6	-6	4.55	09:48:40
300.N	9	-1	4.75	09:47:26
325.N	13	0	4.77	09:46:10
350.N	11	-1	4.71	09:44:38
375.N	15	1	4.57	09:43:25
400.N	19	4	4.56	09:42:02
425.N	22	5	4.56	09:40:21
450.N	30	2	4.37	09:38:47
475.N	23	0	4.46	09:37:23
500.N	27	4	4.27	09:35:47
525.N	23	-2	4.39	09:32:36
550.N	25	1	4.45	09:31:05
575.N	25	0	4.26	09:29:02
600.N	25	-6	4.38	09:25:42

(DATA FILED ON DISK IN : B:VLFNLK02.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 100.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
25.N	30	-1	106.00	08:37:25
50.N	30	3	119.00	08:40:16
75.N	30	9	126.00	08:41:55
100.N	23	17	130.00	08:43:42
125.N	24	22	132.00	08:45:18
150.N	20	23	137.00	08:46:51
175.N	18	20	132.00	08:48:34
200.N	23	20	132.00	08:52:13
225.N	20	15	142.00	08:55:08
250.N	14	10	143.00	08:56:31
275.N	14	8	137.00	08:57:49
300.N	20	12	140.00	08:59:20
325.N	22	11	143.00	09:00:47
350.N	14	7	152.00	09:02:11
375.N	10	4	150.00	09:03:17
400.N	15	3	148.00	09:04:27
425.N	8	2	154.00	09:06:46
450.N	9	7	147.00	09:08:34
475.N	12	11	144.00	09:11:03
500.N	9	7	152.00	09:12:21
525.N	11	14	149.00	09:14:20
550.N	13	16	151.00	09:16:46
575.N	14	19	148.00	09:18:27
600.N	13	19	153.00	09:20:19

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 7.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
300.N	3	2	137.00	15:19:37
325.N	6	4	142.00	15:22:21
350.N	8	4	145.00	15:24:16
375.N	8	5	145.00	15:25:55
400.N	7	5	153.00	15:28:10
425.N	4	5	150.00	15:30:05
450.N	6	5	147.00	15:31:50
475.N	8	7	150.00	15:33:26
500.N	7	7	154.00	15:35:21
525.N	6	6	154.00	15:37:11
550.N	6	5	157.00	15:38:31
575.N	3	3	160.00	15:40:17
600.N	5	4	163.00	15:42:16

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 6.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
200.N	-1	7	141.00	16:35:49
225.N	-0	7	141.00	16:34:16
250.N	2	6	146.00	16:32:36
275.N	2	2	147.00	16:30:52
300.N	3	2	147.00	16:29:24
325.N	1	1	146.00	16:27:47
375.N	-0	0	146.00	16:25:27

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 5.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
300.S	-9	-28	98.10	12:33:22
275.S	-1	-25	96.20	12:36:17
250.S	-4	-24	101.00	12:38:22
225.S	2	-24	98.40	12:41:24
200.S	1	-24	95.20	12:43:53
175.S	12	-19	91.80	12:45:57
150.S	18	-12	91.50	12:48:45
125.S	23	-5	93.20	12:50:26
100.S	24	-0	101.00	12:52:05
75.S	22	1	109.00	12:54:09
50.S	20	3	114.00	12:59:32
25.S	19	4	119.00	13:02:12
0.	18	4	125.00	13:04:12
25.N	17	5	133.00	13:06:08
50.N	15	7	135.00	13:08:29
75.N	12	8	140.00	13:09:52
100.N	7	7	143.00	13:11:14
125.N	7	7	142.00	13:12:15
150.N	6	12	146.00	13:13:13
175.N	-0	6	136.00	13:14:39
200.N	7	11	137.00	13:15:46
225.N	7	6	140.00	13:17:18
250.N	2	2	143.00	13:18:51
275.N	0	2	143.00	13:20:45
300.N	5	0	140.00	13:22:13
325.N	0	-1	139.00	13:24:02

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
325.S	-16	-31	100.00	12:17:34
300.S	-14	-30	101.00	12:14:49
275.S	-11	-29	99.30	12:12:35
250.S	-6	-28	97.50	12:09:57
225.S	-2	-27	93.60	12:07:05
200.S	-0	-26	94.70	12:04:40
175.S	7	-25	90.60	12:02:12
150.S	11	-18	92.70	12:00:51
150.S	14	-18	93.80	14:49:22
125.S	12	-16	92.80	14:47:29
100.S	15	-11	92.50	14:46:11
75.S	28	-0	96.70	14:43:41
50.S	20	-3	97.40	14:41:09
25.S	23	1	99.70	14:39:28
0.	26	4	107.00	14:37:09
25.N	30	7	117.00	14:35:55
50.N	25	11	127.00	14:32:11
75.N	22	17	133.00	14:29:16
100.N	21	17	140.00	14:27:40
125.N	10	12	146.00	14:25:57
150.N	7	7	144.00	14:24:27
175.N	8	7	135.00	14:22:53
200.N	8	10	135.00	14:21:31
225.N	10	10	135.00	14:20:09
250.N	8	9	138.00	14:18:26
275.N	9	9	135.00	14:08:27
300.N	12	7	140.00	14:06:45
325.N	10	5	143.00	14:05:33
350.N	11	5	146.00	14:04:19
375.N	7	1	144.00	14:02:50
400.N	6	2	144.00	14:01:06
425.N	6	4	143.00	13:59:31
450.N	6	8	134.00	13:56:22
475.N	11	12	137.00	13:54:22
500.N	11	12	138.00	13:53:05
525.N	11	14	135.00	13:51:44
550.N	13	17	134.00	13:50:10
575.N	17	20	137.00	13:48:24
600.N	19	21	138.00	13:46:53

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 1.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	-14	-38	84.90	11:24:42
250.S	-10	-36	87.80	11:22:56
225.S	-6	-33	87.30	11:20:21
200.S	-3	-29	86.30	11:18:10
175.S	1	-26	88.70	11:16:02
150.S	7	-23	90.10	11:14:17
125.S	9	-19	92.80	11:12:49
100.S	11	-17	94.50	11:10:27
75.S	14	-14	90.20	11:08:27
50.S	13	-15	90.20	11:33:19
25.S	18	-7	92.00	11:36:43
0.	27	-1	93.80	11:39:04
25.N	30	-2	97.80	11:42:06
25.N	29	-2	103.00	11:43:55

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 0. Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
275.S	-23	-39	93.80	10:36:12
250.S	-17	-36	89.50	10:32:30
225.S	-12	-34	89.10	10:30:52
200.S	-9	-32	88.90	10:29:11
175.S	-0	-29	88.40	10:27:05
150.S	4	-27	88.40	10:23:23
125.S	13	-21	92.90	10:20:21
100.S	9	-17	101.00	10:18:09
75.S	6	-17	105.00	10:16:13
50.S	7	-18	102.00	10:14:23
25.S	9	-20	97.00	10:12:22
0.	13	-22	90.70	10:10:36
25.N	31	-16	82.60	10:08:25
50.N	40	-7	94.60	10:05:36
75.N	32	2	115.00	10:03:19
100.N	19	8	134.00	10:01:34
125.N	14	16	125.00	09:59:41
150.N	15	21	121.00	09:58:13
175.N	18	21	119.00	09:56:43
200.N	21	22	119.00	09:54:43
225.N	26	21	129.00	09:52:48
250.N	21	14	134.00	09:51:32
275.N	21	15	135.00	09:48:27
300.N	21	14	141.00	09:47:12
325.N	20	12	148.00	09:45:57
350.N	19	10	150.00	09:44:21
375.N	15	7	157.00	09:43:10
400.N	14	2	158.00	09:41:46
425.N	11	3	160.00	09:40:04
450.N	7	4	149.00	09:38:50
475.N	12	11	144.00	09:37:07
500.N	10	13	146.00	09:35:30
525.N	16	17	148.00	09:32:20
550.N	12	17	153.00	09:30:41
575.N	15	20	150.00	09:28:46
600.N	15	20	153.00	09:25:24

(DATA FILED ON DISK IN : B:UNCOR02.DAT)

SCINTREX V1.6 Magnetometer R1.
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 200.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
50.S 55696.8# 08:25:44

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 100.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
25.N 55774.5* 08:37:02
50.N 55835.1* 60.6 08:39:58
75.N 55814.8* -20.3 08:41:30
100.N 55807.9* -6.9 08:43:26
125.N 55806.3* -1.6 08:44:59
150.N 55802.2* -3.1 08:46:32
175.N 55828.3* 25.1 08:48:14
200.N 55824.2* -4.1 08:51:56
225.N 55851.7* 27.5 08:54:51
250.N 55846.5* -5.2 08:56:16
275.N 55859.1* 12.6 08:57:31
300.N 55856.5* -2.6 08:59:01
325.N 55868.7* 12.2 09:00:28
350.N 55880.5* 11.8 09:01:55
375.N 55868.0* -12.5 09:03:01
400.N 55862.7* -5.3 09:04:06
425.N 55868.3* 5.6 09:06:29
450.N 55891.1* 22.8 09:08:16
475.N 55855.6* -35.5 09:10:41
500.N 55917.8* 62.2 09:11:57
525.N 55884.8* -33.0 09:14:03
550.N 55883.8* -1.0 09:16:50
575.N 55885.5* 1.7 09:18:10
600.N 55880.7* 3.2 09:20:02

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 7.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
300.N 55808.3* 15:19:17
325.N 55807.9* -0.4 15:22:02
350.N 55813.9* 6.0 15:24:00
375.N 55813.6* -0.3 15:25:32
400.N 55815.9* 2.3 15:27:55
425.N 55845.5* 29.6 15:29:45
450.N 55840.6* 4.1 15:31:30
475.N 55813.9* -35.7 15:33:12
500.N 55843.6* 29.7 15:34:57
525.N 55887.6* 44.0 15:36:53
550.N 55861.0* -26.6 15:38:14
575.N 55803.5* -57.5 15:39:59
600.N 55815.4* 11.9 15:41:50

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 6.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
200.N 55817.1* 16:35:32
225.N 55833.2* 16.1 16:33:59
250.N 55818.0* -15.2 16:32:19
275.N 55832.3* 14.3 16:30:34
300.N 55825.9* -6.4 16:29:05
325.N 55835.0* 9.1 16:27:29
375.N 55827.0* -8.0 16:25:06

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 5.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
300.S 56361.4* 12:32:53
275.S 55604.5* -756.9 12:35:05
250.S 55648.1* 43.6 12:38:00
225.S 55535.8* -112.3 12:41:07
200.S 55669.7* 73.9 12:43:33
175.S 55690.8* 21.1 12:45:36
150.S 55650.3* -40.5 12:49:26
125.S 55594.9* -65.4 12:50:07
100.S 55665.1* 80.2 12:51:50
75.S 55725.1* 60.0 12:53:51
50.S 55719.6* -5.5 12:57:13
25.S 55749.7* 31.1 13:01:54
0. 55761.8* 12.1 13:03:54
25.N 55773.8* 12.0 13:05:47
50.N 55797.3* 23.5 13:08:10
75.N 55794.4* -2.9 13:09:36
100.N 55807.2* 12.8 13:10:57
125.N 55777.2* -29.5 13:11:59
150.N 55791.7* 14.0 13:12:55
175.N 55845.1* 53.4 13:14:22
200.N 55798.0* -47.1 13:15:29
225.N 55800.7* 2.7 13:16:50
250.N 55808.7* 8.0 13:18:31
275.N 55818.3* 9.6 13:20:29
300.N 55821.8* 3.5 13:21:55
325.N 55814.9* -6.9 13:23:46

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 2.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
325.S 55946.8# 12:17:14
300.S 55891.9* -54.9 12:14:50
275.S 55682.6* -209.3 12:12:12
250.S 55681.3* -1.3 12:09:39
225.S 55658.5* -22.8 12:06:50
200.S 55655.2* -3.3 12:04:22
175.S 55699.2* 44.0 12:01:55
150.S 55656.2* 47.0 12:00:22
125.S 55676.9* 20.7 11:48:58
100.S 55659.9* -17.0 11:47:10
75.S 55654.3* -25.6 11:45:53
50.S 55692.4* 37.1 11:44:23
25.S 55671.5* -21.9 11:40:51
0. 55701.0* 29.5 11:39:10
25.N 55723.9* 22.9 11:36:51
50.N 55742.2* 18.3 11:34:35
75.N 55770.7* 28.5 11:31:51
100.N 55790.4* 19.7 11:28:59
106.N 55790.8* 0.4 11:27:24
125.N 55809.2* 18.4 11:25:40
150.N 55800.5* -8.7 11:24:11
175.N 55812.4* 11.9 11:22:36
200.N 55813.5* 1.1 11:21:12
225.N 55809.2* -4.3 11:19:52
250.N 55808.9* -0.3 11:18:09
275.N 55833.3* 24.4 11:08:09
300.N 55841.2* 7.9 11:06:28
325.N 55840.2* -1.0 11:04:16
350.N 55839.9* -0.3 11:04:00
375.N 55840.2* 0.3 11:02:33
400.N 55831.6* -8.6 11:00:49
425.N 55844.9* 13.3 10:59:15
450.N 55842.9* -2.0 10:56:02
475.N 55853.9* 11.0 10:54:02
500.N 55848.0* -5.9 10:52:48
525.N 55852.5* 4.5 10:51:27
550.N 55865.2* 10.7 10:49:53
575.N 55872.7* 9.5 10:48:07
600.N 55861.5* -11.2 10:46:33

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 1.W Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
275.S 55672.0* 11:24:28
250.S 55673.8* 1.8 11:22:41
225.S 55716.6* 42.8 11:20:01
200.S 55721.1* 4.5 11:17:50
175.S 55679.8* -41.3 11:15:42
150.S 55689.5* 9.7 11:13:57
125.S 55686.1* -3.4 11:12:34
100.S 55670.4* -15.7 11:10:08
75.S 55667.2* -3.2 11:08:04
50.S 55664.6* -2.6 11:03:02
25.S 55679.7* 15.1 11:00:26
0. 55785.9* 106.2 10:58:22
25.N 55740.3* 60.4 11:38:47
0. 55785.9* 45.6 11:41:52
25.N 55759.8* -26.1 11:43:38

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 0. Grid: 1. Job: 8615. Date: 86/06/09 Operator: 2.

Station Mag Fld Change Time Information
275.S 55660.8# 10:38:54
250.S 55681.2* 20.4 10:32:13
225.S 55720.7* 39.5 10:30:25
200.S 55757.1* 36.4 10:28:49
175.S 55724.7* -32.4 10:26:47
150.S 55675.0* -49.7 10:23:03
125.S 55697.7* -77.3 10:20:00
100.S 55627.0* 29.3 10:17:51
75.S 55678.5* 51.5 10:15:56
50.S 55694.5* 16.0 10:14:06
25.S 55717.4* 22.9 10:12:08
0. 55723.5* 6.1 10:10:17
25.N 55726.5* 3.0 10:08:09
50.N 55725.8* -0.7 10:06:19
75.N 55816.8* 91.0 10:02:59
100.N 55790.6* -26.2 10:01:16
125.N 55788.0* -2.6 09:59:22
150.N 55793.4* 5.4 09:57:55
175.N 55814.2* 20.8 09:56:22
200.N 55822.5* 8.3 09:54:24
225.N 55841.1* 18.6 09:52:30
250.N 55842.5* 1.4 09:51:14
275.N 55853.9* 11.4 09:49:08
300.N 55874.0* 20.1 09:46:56
325.N 55860.8* -13.2 09:45:37
350.N 55874.4* 13.6 09:44:04
375.N 55880.7* 6.3 09:42:52
400.N 55869.4* -11.3 09:41:28
425.N 55884.3* 14.9 09:39:45
450.N 55858.7* -25.6 09:38:13
475.N 55864.9* 6.2 09:36:50
500.N 55853.7* -11.2 09:35:13
525.N 55877.0* 23.3 09:32:02
550.N 55867.8* 10.8 09:30:22
575.N 54128.6* 240.8 09:28:50
575.N 55925.5* -203.1 09:20:23
600.N 55892.1* -32.4 09:25:05

**** IBM MEMORY DUMP ****

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:MAG03.DAT)

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 1300.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55758.7		17:11:51	
375.S	55883.7	125.0	17:09:26	
350.S	55509.1	-374.6	17:06:53	
325.S	55637.3	128.2	17:04:52	
300.S	55674.1	36.8	17:02:57	
275.S	55682.3	8.2	17:00:43	
250.S	55711.4	29.1	16:59:03	
225.S	55719.8	8.4	16:57:13	
200.S	55762.3	42.5	16:54:43	
175.S	55752.0	-10.3	16:52:52	
150.S	55755.6	3.6	16:50:47	
125.S	55770.7	15.1	16:48:49	
100.S	55795.2	24.5	16:47:11	
75.S	55786.2	-9.0	16:46:13	
50.S	55764.8	-21.4	16:45:04	
25.S	55775.5	10.7	16:43:40	
0.	55802.6	27.1	16:42:03	
25.N	55804.2	1.6	16:40:40	
50.N	55798.5	-5.7	16:38:44	
75.N	55793.1	-5.4	16:37:23	
100.N	55808.0	14.9	16:35:59	
125.N	55804.1	-3.9	16:34:17	
150.N	55816.9	12.8	16:32:32	
175.N	55823.2	6.3	16:31:12	
200.N	55816.5	-6.7	16:29:16	
225.N	55824.2	7.7	16:27:55	
250.N	55832.7	8.5	16:26:30	
275.N	55830.6	-2.1	16:24:46	
300.N	55832.4	1.8	16:23:08	
325.N	55829.0	-3.4	16:21:19	
350.N	55859.5	30.5	16:19:56	
375.N	55833.3	-26.2	16:17:09	
400.N	55840.2	6.9	16:14:54	
425.N	55836.1	-4.1	16:13:06	
450.N	55841.5	5.4	16:11:44	
475.N	55853.8	12.3	16:10:15	
500.N	55840.9	-12.9	16:08:14	
525.N	55860.2	19.3	16:05:20	
550.N	55898.5	38.3	16:03:13	
575.N	55855.3	-43.2	16:01:41	
600.N	55843.5	-11.8	16:00:22	

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 1200.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55676.4		14:32:58	
375.S	55731.7	55.3	14:35:09	
350.S	55771.5	39.8	14:36:33	
325.S	55638.8	-132.7	14:37:38	
300.S	55691.9	53.1	14:39:49	
275.S	55673.1	-18.8	14:41:15	
250.S	55714.9	41.8	14:43:33	
225.S	55691.9	-23.0	14:45:51	
200.S	55710.2	18.3	14:48:00	
175.S	55710.0	-0.2	14:50:08	
150.S	55723.6	13.6	14:52:49	
125.S	55739.6	16.0	14:54:45	
100.S	55752.2	12.6	14:57:21	
75.S	55765.7	13.5	14:59:15	
50.S	55773.7	8.0	15:01:07	
25.S	55772.0	-1.7	15:02:43	
0.	55807.7	35.7	15:04:11	
25.N	55797.4	-10.3	15:05:33	
50.N	55758.5	-38.9	15:07:26	
75.N	55785.1	26.6	15:09:58	
100.N	55777.7	-7.4	15:11:57	
125.N	55780.3	2.6	15:13:33	
150.N	55808.1	27.8	15:15:20	
175.N	55826.9	18.8	15:17:01	
200.N	55802.5	-24.4	15:18:44	
225.N	55807.1	4.6	15:20:43	
250.N	55801.2	-5.9	15:22:32	
275.N	55803.7	2.5	15:24:35	
300.N	55805.1	1.4	15:26:15	
325.N	55861.6	56.5	15:27:46	
350.N	55816.4	-45.2	15:29:11	
375.N	55811.3	-5.1	15:30:40	
400.N	55815.2	3.9	15:32:08	
425.N	55820.6	5.4	15:33:25	
450.N	55832.7	12.1	15:34:52	
475.N	55835.0	2.3	15:36:21	
500.N	55821.0	-14.0	15:37:57	
525.N	55827.4	6.4	15:40:10	
550.N	55847.1	19.7	15:42:16	
575.N	55818.5	-28.6	15:44:15	
600.N	55837.2	18.7	15:46:10	

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 1100.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55768.9		13:48:44	
375.S	55747.2	-21.7	13:47:24	
350.S	55681.9	-65.3	13:45:21	
325.S	55669.6	-12.3	13:43:43	
300.S	55677.5	7.9	13:41:53	
275.S	55642.7	-34.8	13:39:42	
250.S	55716.3	73.6	13:38:14	
225.S	55652.2	-64.1	13:36:35	
200.S	55677.3	25.1	13:33:39	
175.S	55711.3	34.0	13:32:19	
150.S	55717.2	5.9	13:30:54	
125.S	55710.7	-6.5	13:29:12	
100.S	55708.6	-2.1	13:27:22	
75.S	55693.3	-15.3	13:25:08	
50.S	55689.8	-3.5	13:20:01	
37.5S	55661.5	-28.3	13:22:04	
25.S	55801.7	140.2	13:18:07	
0.	55831.1	29.4	13:15:41	
25.N	55837.1	6.0	13:13:50	
50.N	55848.5	11.4	13:12:11	
75.N	55761.4	-87.1	13:10:47	
100.N	55803.6	42.2	13:08:54	
125.N	55874.8	71.2	13:07:16	
150.N	55918.1	43.3	13:05:47	
175.N	55805.3	-112.8	13:04:04	
200.N	55826.7	21.4	13:02:05	
225.N	55891.1	64.4	13:00:46	
250.N	55851.5	-39.6	12:59:34	
275.N	55836.2	-15.3	12:58:02	
300.N	55892.4	56.2	12:56:11	
325.N	55863.1	-29.3	12:54:37	
350.N	55851.1	-12.0	12:53:23	
375.N	55870.9	19.8	12:51:38	
400.N	55849.5	-21.4	12:49:51	
425.N	55872.3	22.8	12:48:43	
450.N	55895.0	22.7	12:46:25	
500.N	55857.9	-37.1	12:44:39	
525.N	55881.5	23.6	12:43:07	
550.N	55859.5	-22.0	12:41:50	
575.N	55878.5	19.0	12:40:27	
600.N	55875.4	-3.1	12:38:56	

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 1000.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
350.S	55695.2		13:58:52	
325.S	55651.4	-43.8	14:00:32	
300.S	55648.6	-2.8	13:56:49	
300.S	55636.0	-12.6	14:02:06	
275.S	55687.1	51.1	14:03:29	
250.S	55719.3	32.2	14:04:44	
225.S	55645.6	-73.7	14:06:24	
200.S	55704.4	58.8	14:07:44	
175.S	55666.2	-38.2	14:09:17	
150.S	55698.6	32.4	14:10:43	
125.S	55756.9	58.3	14:12:17	
100.S	55692.9	-64.0	14:13:55	
75.S	55789.1	96.2	14:16:31	
50.S	55766.5	-22.6	14:18:02	
25.S	55755.7	-10.8	14:19:22	
0.	55760.6	4.9	11:40:35	
0.	55761.7	1.1	14:20:49	
25.N	55733.8	-27.9	11:42:17	
50.N	55721.4	-12.4	11:43:51	
75.N	55725.2	3.8	11:45:40	
100.N	55705.7	-19.5	11:47:38	
125.N	55705.1	-0.6	11:49:38	
150.N	55697.2	-7.9	11:51:29	
175.N	55798.5	101.3	11:54:03	
200.N	55816.5	18.0	11:56:11	
225.N	55902.3	85.8	11:58:31	
250.N	55874.6	-27.7	12:00:17	
275.N	55801.2	-73.4	12:01:54	
300.N	55797.5	-3.7	12:04:20	
325.N	55803.2	5.7	12:06:13	
350.N	55772.9	-30.3	12:08:27	
375.N	55759.4	-13.5	12:10:14	
400.N	55917.0	157.6	12:14:50	
425.N	55830.8	-86.2	12:19:44	
450.N	55862.9	32.1	12:22:46	
475.N	55888.8	25.9	12:24:22	
500.N	55796.4	-92.4	12:25:56	
525.N	55892.4	96.0	12:28:34	
550.N	55849.1	-43.3	12:30:16	

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 500.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55875.6		08:15:24	
300.S	56030.5	154.9	08:11:58	
275.S	55874.8	-155.7	08:08:32	
250.S	55900.1	25.3	08:06:11	
225.S	55730.4	-169.7	08:03:56	
200.S	55589.8	-140.6	08:01:44	
175.S	55640.9	51.1	07:59:33	
150.S	55683.8	42.9	07:56:58	
150.S	55725.0	41.2	07:50:21	
125.S	55725.4	0.4	11:21:06	
100.S	55720.8	-4.6	11:19:44	
75.S	55736.1	15.3	11:18:25	
50.S	55746.1	10.0	11:17:05	
25.S	55762.8	16.7	11:15:31	
0.	55774.4	11.6	11:14:15	
25.N	55789.9	15.5	11:13:13	
50.N	55813.8	23.9	11:11:57	
75.N	55785.6	-28.2	11:10:55	
100.N	55795.4	9.8	11:07:34	
100.N	55791.2	-4.2	11:09:45	
125.N	55801.1	9.9	11:06:35	
150.N	55800.7	-0.4	11:05:01	
175.N	55808.1	7.4	11:03:10	
200.N	55813.0	4.9	11:01:20	
225.N	55824.2	11.2	10:59:31	
250.N	55829.7	5.5	10:58:02	
275.N	55832.8	3.1	10:14:39	
275.N	55831.2	-1.6	10:56:10	
300.N	55822.5	-8.7	10:17:50	
325.N	55821.3	-1.2	10:20:30	
350.N	55822.6	1.3	10:23:09	
375.N	55847.3	24.7	10:25:58	
400.N	55828.8	-18.5	10:28:01	
425.N	55890.1	61.3	10:30:12	
450.N	55822.3	-67.8	10:32:09	
475.N	55921.6	99.3	10:35:06	
500.N	55829.5	-92.1	10:37:11	
525.N	55896.4	66.9	10:39:37	
550.N	55841.9	-54.5	10:40:48	
575.N	55877.9	36.0	10:43:02	
600.N	55865.7	-12.2	10:44:00	

SCINTREX V1.6 Magnetometer R1.7 Ser No:412233.
Base Field: 55800. *=Uncorrected Data
Line: 400.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
300.S	55991.5		08:19:53	
275.S	56044.3	52.8	08:23:49	
250.S	55708.1	-336.2	08:27:24	
225.S	55687.4	-20.7	08:28:26	
200.S	55546.7	-140.7	08:29:55	
175.S	55517.5	-29.2	08:31:40	
150.S	55602.4	84.9	08:33:51	
125.S	55669.7	67.3	08:36:09	
100.S	55699.8	30.1	08:38:13	
75.S	55728.4	28.6	08:42:49	
50.S	55741.9	13.5	08:44:17	
25.S	55762.1	20.2	08:45:59	
0.	55778.4	16.3	08:47:33	
25.N	55787.9	9.5	08:48:44	
50.N	55785.3	-2.6	08:49:50	
75.N	55787.5	2.2	08:51:18	
100.N	55802.7	15.2	08:52:45	
125.N	55790.9	-11.8	08:54:31	
150.N	55815.2	24.3	08:55:52	
175.N	55813.3	-1.9	08:57:29	
200.N	55822.9	9.6	08:59:03	
225.N	55833.9	11.0	09:00:27	
250.N	55834.4	0.5	09:01:55	
275.N	55829.7	-4.7	09:04:56	
300.N	55826.2	-3.5	09:07:01	
325.N	55825.8	-0.4	09:09:41	
350.N	55837.9	12.1	09:15:08	
375.N	55758.8	-79.1	09:17:34	
400.N	55827.5	68.7	09:20:10	
425.N	55843.5	16.0	09:23:14	
450.N	55844.2	0.7	09:25:55	
475.N	55883.1	38.9	09:27:42	
500.N	55873.2	-9.9	09:29:34	
525.N	55858.4	-14.8	09:31:26	
550.N	55862.4	4.0	09:33:22	
575.N	55860.0	-2.4	09:35:25	
600.N	55869.3	9.3	09:37:17	

**** 16G MEMORY DUMP ****

(DATA FILED ON DISK IN : B:UNCORD3.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 1300.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55746.6		17:11:51	
375.S	55071.7*	125.1	17:09:26	
350.S	55496.8*	-374.9	17:06:53	
325.S	55625.7*	128.9	17:04:52	
300.S	55660.7*	35.2	17:02:57	
275.S	55668.6*	7.7	17:00:43	
250.S	55497.9*	29.3	16:59:03	
225.S	55706.0*	8.1	16:57:13	
200.S	55749.1*	43.1	16:55:43	
175.S	55739.7*	-9.4	16:52:52	
150.S	55743.4*	3.7	16:50:47	
125.S	55758.2*	14.8	16:48:49	
100.S	55783.7*	25.5	16:47:11	
75.S	55774.5*	-9.2	16:44:13	
50.S	55753.3*	-21.2	16:45:04	
25.S	55765.8*	12.5	16:45:40	
0.	55793.7*	28.1	16:47:03	
25.N	55795.8*	1.9	16:49:40	
50.N	55791.3*	-4.5	16:38:44	
75.N	55785.1*	-6.2	16:37:23	
100.N	55799.3*	14.2	16:35:59	
125.N	55795.3*	-4.0	16:34:17	
150.N	55806.2*	10.9	16:32:32	
175.N	55812.0*	5.8	16:31:12	
200.N	55804.6*	-7.4	16:29:16	
225.N	55812.5*	7.7	16:27:55	
250.N	55821.3*	9.0	16:26:30	
275.N	55818.5*	-3.0	16:24:46	
300.N	55819.6*	1.3	16:23:08	
325.N	55815.3*	-4.3	16:21:19	
350.N	55845.6*	30.3	16:19:56	
375.N	55817.8*	-27.8	16:17:19	
400.N	55824.0*	6.2	16:14:54	
425.N	55820.5*	-3.5	16:13:06	
450.N	55826.2*	5.7	16:11:44	
475.N	55838.7*	12.5	16:10:15	
500.N	55825.8*	-12.9	16:08:14	
525.N	55846.3*	20.5	16:05:20	
550.N	55885.9*	39.6	16:03:13	
575.N	55843.2*	-42.7	16:01:41	
600.N	55832.0*	-11.2	16:00:22	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 1200.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55654.1*		14:32:58	
375.S	55719.2*	56.1	14:35:09	
350.S	55750.4*	40.2	14:36:23	
325.S	55617.0*	-133.4	14:37:38	
300.S	55665.6*	52.6	14:39:49	
275.S	55651.1*	-18.5	14:41:15	
250.S	55692.2*	42.1	14:43:53	
225.S	55671.6*	-21.6	14:45:51	
200.S	55690.8*	19.2	14:48:00	
175.S	55692.1*	1.3	14:50:08	
150.S	55703.9*	11.8	14:52:49	
125.S	55719.3*	15.4	14:54:45	
100.S	55731.0*	12.5	14:57:21	
75.S	55747.0*	15.8	14:59:15	
50.S	55753.5*	6.5	15:01:07	
25.S	55752.2*	-1.3	15:02:43	
0.	55786.9*	34.7	15:04:11	
25.N	55776.7*	-10.2	15:05:33	
50.N	55736.9*	-39.8	15:07:26	
75.N	55765.1*	28.2	15:09:58	
100.N	55757.3*	-7.8	15:11:57	
125.N	55760.0*	2.7	15:13:53	
150.N	55788.3*	28.3	15:15:20	
175.N	55806.0*	17.7	15:17:01	
200.N	55781.5*	-24.5	15:18:44	
225.N	55786.7*	5.4	15:20:42	
250.N	55780.7*	-6.0	15:22:05	
275.N	55783.6*	2.9	15:24:25	
300.N	55785.7*	2.1	15:26:15	
325.N	55842.4*	56.7	15:27:46	
350.N	55798.2*	-44.2	15:29:11	
375.N	55794.2*	-4.0	15:30:40	
400.N	55800.1*	5.9	15:32:08	
425.N	55805.7*	5.6	15:33:25	
450.N	55817.2*	11.5	15:34:52	
475.N	55820.0*	2.8	15:36:21	
500.N	55805.8*	-14.2	15:37:57	
525.N	55813.1*	7.3	15:40:10	
550.N	55832.7*	19.6	15:42:16	
575.N	55803.9*	-28.8	15:44:15	
600.N	55823.1*	19.2	15:46:10	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 1100.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55745.5*		13:40:44	
375.S	55723.8*	-21.7	13:47:24	
350.S	55650.0*	-65.0	13:45:21	
325.S	55647.2*	-11.6	13:43:43	
300.S	55655.0*	7.8	13:41:53	
275.S	55619.9*	-35.1	13:39:42	
250.S	55693.5*	73.6	13:38:14	
225.S	55628.9*	-64.6	13:36:35	
200.S	55654.7*	25.8	13:33:39	
175.S	55688.5*	33.8	13:32:19	
150.S	55694.2*	5.7	13:30:54	
125.S	55687.6*	-6.6	13:29:12	
100.S	55686.3*	-1.3	13:27:22	
75.S	55670.8*	-15.5	13:25:08	
50.S	55666.6*	-4.2	13:20:01	
37.5S	55638.5*	-28.1	13:22:04	
25.S	55778.2*	139.7	13:18:07	
0.	55806.8*	28.6	13:15:41	
25.N	55811.4*	4.6	13:13:56	
50.N	55822.0*	10.6	13:12:11	
75.N	55734.9*	-87.1	13:10:47	
100.N	55777.5*	42.6	13:08:54	
125.N	55849.0*	71.5	13:07:16	
150.N	55892.3*	43.3	13:05:47	
175.N	55779.9*	-112.4	13:04:04	
200.N	55801.7*	21.8	13:02:05	
225.N	55866.0*	64.3	13:00:46	
250.N	55826.9*	-39.1	12:59:34	
275.N	55812.0*	-14.9	12:58:02	
300.N	55868.8*	56.8	12:56:11	
325.N	55839.5*	-29.3	12:54:37	
350.N	55827.2*	-12.3	12:53:23	
375.N	55847.0*	19.8	12:51:38	
400.N	55825.3*	-21.7	12:49:51	
425.N	55848.0*	22.7	12:48:43	
450.N	55870.4*	22.4	12:46:25	
500.N	55832.0*	-37.4	12:44:29	
525.N	55857.0*	24.2	12:43:07	
550.N	55854.8*	-2.2	12:41:50	
575.N	55855.7*	18.9	12:40:27	
600.N	55850.3*	-5.4	12:38:56	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 1000.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
350.S	55670.2*		13:58:52	
325.S	55627.0*	-43.2	14:00:32	
300.S	55624.5*	-2.5	13:56:49	
300.S	55611.1*	-13.4	14:02:06	
275.S	55662.3*	51.2	14:03:29	
250.S	55695.0*	32.7	14:04:44	
225.S	55620.0*	-75.0	14:06:24	
200.S	55670.5*	50.5	14:07:44	
175.S	55640.6*	-29.9	14:09:17	
150.S	55672.9*	32.3	14:10:43	
125.S	55731.8*	58.9	14:12:17	
100.S	55667.6*	-64.2	14:13:55	
75.S	55765.6*	98.0	14:16:31	
50.S	55745.3*	-20.3	14:18:02	
25.S	55735.9*	-9.4	14:19:22	
0.	55747.4*	11.5	14:20:35	
0.	55741.8*	-5.6	14:20:49	
25.N	55722.0*	-21.8	11:42:17	
50.N	55707.6*	-12.4	11:43:51	
75.N	55710.8*	3.2	11:45:40	
100.N	55691.7*	-19.1	11:47:38	
125.N	55691.4*	-0.3	11:49:38	
150.N	55683.6*	-7.8	11:51:29	
175.N	55784.6*	101.0	11:54:03	
200.N	55801.5*	16.9	11:56:11	
225.N	55886.0*	84.5	11:58:31	
250.N	55858.1*	-27.9	12:00:17	
275.N	55783.7*	-74.4	12:01:54	
300.N	55779.1*	-4.6	12:04:20	
325.N	55784.0*	4.9	12:06:13	
350.N	55753.2*	-30.8	12:08:27	
375.N	55739.0*	-13.4	12:10:14	
400.N	55896.4*	156.6	12:14:50	
425.N	55809.9*	-86.5	12:19:44	
450.N	55842.4*	32.5	12:22:46	
475.N	55867.7*	25.3	12:24:22	
500.N	55775.3*	-92.4	12:25:56	
525.N	55869.9*	94.6	12:28:34	
550.N	55826.0*	-43.9	12:30:16	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 900.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55683.6*		08:15:24	
300.S	56038.2*	154.6	08:11:58	
275.S	55881.4*	-156.8	08:08:32	
250.S	55905.7*	24.3	08:06:11	
225.S	55736.6*	-169.1	08:03:56	
200.S	55997.7*	-138.9	08:01:44	
175.S	55648.4*	50.7	07:59:33	
150.S	55689.4*	41.0	07:56:58	
125.S	55730.0*	40.6	07:56:21	
125.S	55715.8*	-14.2	11:21:06	
100.S	55712.0*	-3.8	11:19:44	
75.S	55727.1*	15.1	11:18:25	
50.S	55736.8*	9.7	11:17:05	
25.S	55754.5*	17.7	11:15:31	
0.	55766.6*	12.1	11:14:15	
25.N	55782.8*	16.2	11:13:13	
50.N	55804.9*	24.1	11:11:57	
75.N	55778.9*	-26.0	11:10:35	
100.N	55788.6*	9.7	11:07:34	
100.N	55784.2*	-4.4	11:09:45	
125.N	55795.2*	11.0	11:06:35	
150.N	55795.3*	0.1	11:05:01	
175.N	55803.5*	8.0	11:03:10	
200.N	55808.8*	5.3	11:01:20	
225.N	55820.3*	11.5	10:59:31	
250.N	55826.2*	5.9	10:58:02	
275.N	55838.5*	12.1	10:14:39	
300.N	55827.6*	-10.7	10:56:10	
300.N	55827.6*	0.0	10:17:50	
325.N	55825.5*	-2.1	10:20:30	
350.N	55824.4*	0.9	10:23:09	
375.N	55850.9*	24.5	10:25:58	
400.N	55831.3*	-19.6	10:28:01	
425.N	55892.3*	61.0	10:30:12	
450.N	55923.8*	31.5	10:32:09	
475.N	55923.0*	99.2	10:35:06	
500.N	55830.0*	-93.0	10:37:11	
525.N	55895.9*	65.9	10:39:37	
550.N	55840.8*	-55.1	10:40:48	
575.N	55876.2*	35.4	10:43:02	
600.N	55864.1*	-12.1	10:44:00	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:41233.
Line: 800.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Mag Fld	Change	Time	Information
300.S	55795.7*		08:19:53	
275.S	56052.7*	57.0	08:21:49	
250.S	55477.8*	-334.9	08:27:24	
225.S	55696.7*	218.1	08:29:26	
200.S	55556.7*	-140.0	08:29:55	
175.S	55527.7*	-29.0	08:31:40	
150.S	55612.0*	84.3	08:33:51	
125.S	55679.1*	67.1	08:36:09	
100.S	55709.7*	30.6	08:38:13	
75.S	55739.9*	30.2	08:42:49	
50.S	55753.6*	13.7	08:44:17	
25.S	55773.3*	19.7	08:45:39	
0.	55789.8*	16.5	08:47:33	
25.N	55799.0*	9.2	08:48:44	
50.N	55796.1*	-2.9	08:49:50	
75.N	55798.5*	2.2	08:51:18	
100.N	55813.5*	15.2	08:52:45	
125.N	55801.9*	-11.6	08:54:31	
150.N	55826.0*	24.1	08:55:52	
175.N	55824.4*	-1.6	08:57:29	
200.N	55835.0*	10.6	08:59:03	
225.N	55846.8*	11.8	09:00:27	
250.N	55848.2*	1.4	09:01:55	
275.N	55843.0*	-5.2	09:04:56	
300.N	55829.5*	-13.5	09:07:01	
325.N	55836.9*	7.4	09:09:41	
350.N	55848.0*	11.9	09:15:08	
375.N	55771.2*	-77.6	09:17:34	
400.N	55840.1*	68.9	09:20:10	
425.N	55856.9*	16.8	09:23:14	
450.N	55856.6*	-0.3	09:25:55	
475.N	55894.6*	38.0	09:27:42	
500.N	55885.3*	-9.3	09:29:34	
525.N	55870.5*	-15.0	09:31:26	
550.N	55873.1*	2.8	09:33:22	
575.N	55869.1*	-4.0	09:35:25	
600.N	55877.8*	8.7	09:37:17	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNLK03.DAT)

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1300.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	23	-6	164.00	17:12:11	
375.S	21	-5	172.00	17:09:48	
350.S	18	-6	166.00	17:07:28	
325.S	14	-7	177.00	17:05:09	
300.S	14	-6	172.00	17:03:15	
275.S	10	-6	165.00	17:00:58	
250.S	9	-5	163.00	16:59:19	
225.S	15	-3	153.00	16:57:32	
200.S	19	-0	156.00	16:55:02	
175.S	17	1	158.00	16:53:11	
150.S	18	2	164.00	16:51:07	
125.S	18	2	165.00	16:49:06	
100.S	20	0	168.00	16:47:29	
75.S	13	-1	177.00	16:46:30	
50.S	12	-1	177.00	16:45:20	
25.S	8	-3	170.00	16:43:58	
0.	12	-1	174.00	16:42:20	
25.N	10	0	175.00	16:41:00	
50.N	7	0	181.00	16:39:09	
75.N	-0	-3	180.00	16:37:39	
100.N	-0	-2	170.00	16:36:15	
125.N	1	-0	167.00	16:34:33	
150.N	3	0	168.00	16:32:49	
175.N	4	1	165.00	16:31:30	
200.N	7	1	165.00	16:29:34	
225.N	5	1	160.00	16:28:12	
250.N	7	1	167.00	16:26:49	
275.N	4	-1	156.00	16:25:14	
300.N	9	1	160.00	16:23:26	
325.N	10	2	159.00	16:21:37	
350.N	13	3	168.00	16:20:12	
375.N	9	3	169.00	16:17:27	
400.N	11	4	170.00	16:15:13	
425.N	6	3	180.00	16:13:27	
450.N	-0	1	172.00	16:11:58	
475.N	-0	2	167.00	16:10:34	
500.N	5	5	155.00	16:08:32	
525.N	3	5	159.00	16:05:37	
550.N	5	4	161.00	16:03:27	
575.N	3	2	159.00	16:01:58	
600.N	3	2	156.00	16:00:42	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1200.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	21	-7	153.00	14:33:52	
375.S	17	-7	154.00	14:35:24	
350.S	18	-7	158.00	14:36:52	
325.S	17	-6	160.00	14:37:55	
300.S	17	-5	167.00	14:40:07	
275.S	10	-5	171.00	14:41:33	
250.S	6	-6	165.00	14:43:56	
225.S	6	-6	159.00	14:46:08	
200.S	7	-4	152.00	14:48:18	
175.S	12	-3	150.00	14:50:26	
150.S	14	-2	149.00	14:53:06	
125.S	11	-3	153.00	14:55:03	
100.S	15	-0	152.00	14:57:43	
75.S	17	-0	162.00	14:59:34	
50.S	16	-0	159.00	15:01:24	
25.S	21	2	164.00	15:03:01	
0.	17	1	170.00	15:04:28	
25.N	20	4	186.00	15:05:50	
50.N	5	1	193.00	15:07:44	
75.N	-0	-0	175.00	15:10:19	
100.N	-0	2	160.00	15:12:16	
125.N	6	5	163.00	15:13:53	
150.N	2	3	162.00	15:15:37	
175.N	3	3	159.00	15:17:18	
200.N	6	3	159.00	15:19:03	
225.N	9	4	156.00	15:21:02	
250.N	8	2	163.00	15:22:51	
275.N	8	3	154.00	15:24:52	
300.N	11	6	156.00	15:26:30	
325.N	10	5	169.00	15:28:04	
350.N	7	2	170.00	15:29:31	
375.N	5	2	167.00	15:30:58	
400.N	3	2	164.00	15:32:25	
425.N	6	4	176.00	15:33:42	
450.N	-0	1	175.00	15:35:09	
475.N	-4	1	172.00	15:36:39	
500.N	-2	1	158.00	15:38:16	
525.N	-0	3	154.00	15:40:31	
550.N	3	4	160.00	15:42:35	
575.N	3	4	153.00	15:44:35	
600.N	1	3	151.00	15:46:30	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1100.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	15	-8	147.00	13:49:02	
375.S	12	-8	148.00	13:47:45	
350.S	15	-7	150.00	13:45:37	
325.S	14	-8	154.00	13:43:59	
300.S	12	-8	152.00	13:42:09	
275.S	15	-7	157.00	13:40:01	
250.S	10	-6	163.00	13:38:32	
225.S	7	-9	154.00	13:36:54	
200.S	7	-9	144.00	13:33:57	
175.S	13	-7	142.00	13:32:36	
150.S	16	-5	139.00	13:31:11	
125.S	22	-4	141.00	13:29:30	
100.S	27	-2	146.00	13:27:39	
75.S	70	-4	167.00	13:25:28	
50.S	-13	-7	151.00	13:20:37	
37.5S	2	-5	148.00	13:22:24	
25.S	11	-3	154.00	13:18:24	
0.	16	-1	161.00	13:15:56	
25.N	13	0	169.00	13:14:07	
50.N	6	1	174.00	13:12:29	
75.N	4	3	167.00	13:11:04	
100.N	6	7	164.00	13:09:10	
125.N	7	8	155.00	13:07:32	
150.N	5	8	151.00	13:06:04	
175.N	6	8	149.00	13:04:21	
200.N	9	9	151.00	13:02:21	
225.N	8	7	156.00	13:01:04	
250.N	8	6	150.00	12:59:51	
275.N	11	7	155.00	12:58:19	
300.N	7	5	157.00	12:56:29	
325.N	10	3	162.00	12:54:55	
350.N	5	3	160.00	12:53:45	
375.N	5	1	162.00	12:51:58	
400.N	5	2	161.00	12:50:08	
425.N	2	1	165.00	12:48:59	
450.N	-2	0	166.00	12:46:43	
500.N	-2	1	162.00	12:44:56	
525.N	-5	1	160.00	12:43:26	
550.N	-2	1	149.00	12:42:09	
575.N	-3	1	151.00	12:40:45	
600.N	0	2	147.00	12:39:16	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1000.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
350.S	16	-9	137.00	13:59:10	
325.S	13	-9	141.00	14:00:50	
300.S	17	-9	137.00	13:57:12	
300.S	15	-8	142.00	14:02:24	
275.S	20	-7	143.00	14:03:44	
250.S	16	-6	150.00	14:05:01	
225.S	15	-8	151.00	14:06:43	
200.S	10	-9	150.00	14:08:01	
175.S	13	-9	145.00	14:09:37	
150.S	15	-4	150.00	14:10:59	
125.S	10	-4	157.00	14:12:35	
100.S	10	-7	159.00	14:14:12	
75.S	6	-8	150.00	14:16:48	
50.S	10	-7	156.00	14:18:20	
25.S	15	-7	157.00	14:19:40	
0.	20	-4	164.00	11:40:54	
0.	18	-5	161.00	14:21:07	
25.N	16	-4	172.00	11:42:35	
50.N	14	-3	196.00	11:44:14	
75.N	-10	-8	188.00	11:46:00	
100.N	-10	-0	163.00	11:47:55	
125.N	-8	2	147.00	11:49:57	
150.N	0	13	136.00	11:51:49	
175.N	10	15	140.00	11:54:21	
200.N	12	14	146.00	11:56:29	
225.N	11	9	151.00	11:58:51	
250.N	10	5	148.00	12:00:32	
275.N	7	2	149.00	12:02:14	
300.N	14	4	145.00	12:04:39	
325.N	19	4	153.00	12:06:34	
350.N	14	2	151.00	12:08:44	
375.N	22	4	150.00	12:10:31	
400.N	17	4	161.00	12:15:24	
425.N	11	1	166.00	12:20:07	
450.N	7	1	168.00	12:23:08	
475.N	6	1	164.00	12:24:36	
500.N	1	0	160.00	12:26:16	
525.N	8	4	155.00	12:28:54	
550.N	7	3	154.00	12:30:36	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 500.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
325.S	-6	-23	115.00	08:15:43	
300.S	-2	-20	119.00	08:12:19	
275.S	-5	-24	117.00	08:08:49	
250.S	-1	-23	111.00	08:06:27	
225.S	6	-19	107.00	08:04:14	
200.S	17	-9	104.00	08:02:01	
175.S	18	-1	115.00	07:59:50	
150.S	18	0	131.00	07:57:16	
125.S	13	-3	138.00	07:50:41	
125.S	13	-5	133.00	11:21:21	
100.S	11	-6	130.00	11:20:01	
75.S	11	-5	135.00	11:18:41	
50.S	14	-4	136.00	11:17:21	
25.S	12	-2	141.00	11:15:48	
0.	15	-0	147.00	11:14:30	
25.N	13	1	158.00	11:13:29	
50.N	8	2	167.00	11:12:15	
75.N	-2	-0	175.00	11:11:14	
100.N	-9	3	154.00	11:07:51	
100.N	-7	1	154.00	11:10:05	
125.N	-8	3	142.00	11:06:52	
150.N	-1	7	140.00	11:05:19	
175.N	-3	5	146.00	11:03:27	
200.N	-0	4	146.00	11:01:39	
225.N	1	4	143.00	10:59:45	
250.N	-1	2	145.00	10:58:18	
275.N	-1	0	145.00	10:14:57	
275.N	-2	0	144.00	10:56:27	
300.N	-2	-1	136.00	10:18:04	
325.N	-4	-2	129.00	10:20:53	
350.N	-5	4	130.00	10:23:27	
375.N	2	9	136.00	10:26:15	
400.N	6	11	137.00	10:28:17	
425.N	3	11	141.00	10:30:31	
450.N	5	10	143.00	10:32:27	
475.N	9	11	145.00	10:35:25	
500.N	8	11	146.00	10:37:28	
525.N	8	11	145.00	10:39:51	
550.N	8	11	146.00	10:41:02	
575.N	12	11	144.00	10:43:15	
600.N	12	11	147.00	10:44:14	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 400.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
300.S	-2	-23	110.00	08:20:28	
275.S	-0	-23	110.00	08:24:09	
250.S	4	-21	107.00	08:27:39	
225.S	5	-20	105.00	08:28:45	
200.S	9	-17	102.00	08:30:14	
175.S	21	-9	97.00	08:31:58	
150.S	23	1	111.00	08:34:09	
125.S	23	2	124.00	08:36:30	
100.S	17	-1	135.00	08:38:28	
75.S	11	-3	135.00	08:43:06	
50.S	13	-1	134.00	08:44:33	
25.S	15	3	142.00	08:46:16	
0.	17	2	146.00	08:47:49	
25.N	14	3	151.00	08:48:58	
50.N	10	5	158.00	08:50:07	
75.N	4	7	167.00	08:51:36	
100.N	1	8	169.00	08:53:01	
125.N	-3	6	168.00	08:54:49	
150.N	-7	3	156.00	08:56:06	
175.N	-2	10	149.00	08:57:46	
200.N	-1	10	151.00	08:59:18	
225.N	1	5	155.00	09:00:42	
250.N	1	2	156.00	09:02:08	
275.N	-2	-0	150.00	09:05:14	
300.N	-2	-3	147.00	09:07:15	
325.N	-3	-3	142.00	09:10:03	
350.N	-0	2	142.00	09:15:35	
375.N	-4	4	137.00	09:17:49	
400.N	0	9	133.00	09:20:27	
425.N	3	14	134.00	09:23:35	
450.N	5	14	141.00	09:26:15	
475.N	7	15	142.00	09:27:58	
500.N	5	12	148.00	09:29:50	
525.N	6	11	147.00	09:31:42	
550.N	6	11	152.00	09:33:37	
575.N	7	11	144.00	09:35:45	
600.N	9	13	145.00	09:37:35	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNPM03.DAT)

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1300.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	-42	-25	4.63	17:12:30	
375.S	-42	-24	4.10	17:10:44	
350.S	-39	-20	4.91	17:08:11	
325.S	-32	-16	4.84	17:05:31	
300.S	-31	-18	4.87	17:03:34	
275.S	-29	-21	4.96	17:01:16	
250.S	-31	-20	4.86	16:59:42	
225.S	-36	-23	5.05	16:58:05	
200.S	-35	-23	5.08	16:55:38	
175.S	-32	-21	5.01	16:53:47	
150.S	-37	-24	6.28	16:51:25	
125.S	-42	-28	5.25	16:49:40	
100.S	-27	-14	5.77	16:47:52	
75.S	-24	-15	5.35	16:46:44	
50.S	-29	-17	5.35	16:45:46	
25.S	-27	-17	5.23	16:44:23	
0.	-36	-22	5.22	16:42:39	
25.N	-32	-24	5.08	16:41:13	
50.N	-29	-21	5.09	16:39:32	
75.N	-33	-23	4.72	16:37:55	
100.N	-36	-26	4.57	16:36:31	
125.N	-32	-25	4.47	16:35:11	
150.N	-34	-24	4.60	16:33:04	
175.N	-32	-25	4.52	16:31:43	
200.N	-30	-21	4.59	16:29:47	
225.N	-31	-22	4.55	16:28:28	
250.N	-27	-20	4.54	16:27:04	
275.N	-34	-21	4.44	16:25:32	
300.N	-30	-20	4.42	16:23:41	
325.N	-33	-20	4.49	16:22:03	
350.N	-29	-20	4.32	16:20:30	
375.N	-34	-20	4.31	16:17:44	
400.N	-31	-21	4.31	16:15:32	
425.N	-33	-22	4.29	16:13:47	
450.N	-28	-20	4.26	16:12:11	
475.N	-23	-19	4.40	16:10:47	
500.N	-28	-17	4.34	16:08:51	
525.N	-30	-19	4.43	16:07:51	
550.N	-35	-22	4.41	16:03:57	
575.N	-29	-17	4.40	16:02:11	
600.N	-30	-19	4.58	16:01:09	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1200.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	-29	-12	4.66	14:34:27	
375.S	-29	-14	4.61	14:35:41	
350.S	-29	-11	4.75	14:37:07	
325.S	-30	-12	4.67	14:38:11	
300.S	-25	-14	4.77	14:40:22	
275.S	-26	-11	4.76	14:41:48	
250.S	-16	-9	4.84	14:44:10	
225.S	-11	-8	4.74	14:46:25	
200.S	-14	-9	4.74	14:48:39	
175.S	-18	-12	4.67	14:50:42	
150.S	-17	-13	4.75	14:53:20	
125.S	-21	-15	4.72	14:55:19	
100.S	-23	-17	4.72	14:57:59	
75.S	-19	-16	4.84	14:59:49	
50.S	-18	-15	4.89	15:01:40	
25.S	-19	-17	5.03	15:03:16	
0.	-21	-16	5.11	15:04:44	
25.N	-23	-20	5.18	15:06:04	
50.N	-11	-13	5.05	15:08:04	
75.N	-5	-10	4.84	15:10:48	
100.N	-9	-14	4.71	15:12:30	
125.N	-5	-16	4.67	15:14:08	
150.N	-10	-16	4.64	15:16:04	
175.N	-8	-15	4.56	15:17:35	
200.N	-10	-16	4.57	15:19:22	
225.N	-14	-17	4.54	15:21:17	
250.N	-9	-12	4.46	15:23:04	
275.N	-11	-15	4.43	15:25:06	
300.N	-8	-10	4.35	15:26:48	
325.N	-10	-12	4.43	15:28:24	
350.N	-8	-10	4.36	15:29:49	
375.N	-9	-11	4.30	15:31:11	
400.N	-11	-10	4.19	15:32:40	
425.N	-13	-13	4.15	15:33:56	
450.N	-9	-12	4.20	15:35:29	
475.N	-10	-11	4.24	15:36:52	
500.N	-7	-11	4.15	15:38:30	
525.N	-13	-14	4.14	15:40:49	
550.N	-11	-12	4.10	15:42:53	
575.N	-15	-12	4.17	15:45:08	
600.N	-16	-14	4.19	15:46:46	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1100.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	-13	1	4.70	13:49:20	
375.S	-12	-0	4.68	13:48:01	
350.S	-19	-0	4.58	13:46:07	
325.S	-15	0	4.58	13:44:16	
300.S	-18	-1	4.46	13:42:25	
275.S	-21	-3	4.57	13:40:15	
250.S	-21	-3	4.65	13:39:03	
225.S	-8	-0	4.38	13:37:13	
200.S	-20	-4	4.35	13:34:18	
175.S	-28	-6	4.32	13:32:49	
150.S	-31	-9	4.10	13:31:25	
125.S	-54	-21	3.78	13:29:45	
100.S	-93	-39	3.08	13:28:03	
75.S	120	-24	4.04	13:25:49	
50.S	52	3	5.11	13:21:01	
37.5S	2	-7	4.89	13:22:43	
25.S	-13	-10	5.14	13:18:42	
0.	-29	-13	5.16	13:16:27	
25.N	-29	-14	5.36	13:14:25	
50.N	-29	-14	5.50	13:12:55	
75.N	-22	-15	5.47	13:11:19	
100.N	-19	-15	5.59	13:09:25	
125.N	-15	-14	5.77	13:07:46	
150.N	-13	-12	5.87	13:06:19	
175.N	-7	-9	6.05	13:04:34	
200.N	-11	-11	5.99	13:02:38	
225.N	-8	-9	5.98	13:01:16	
250.N	-11	-11	5.95	13:00:06	
275.N	-7	-9	5.98	12:58:32	
300.N	-8	-7	5.96	12:56:41	
325.N	-7	-7	5.93	12:55:09	
350.N	-7	-7	6.00	12:53:59	
375.N	-6	-6	5.87	12:52:11	
400.N	-1	-4	5.77	12:50:25	
425.N	1	-2	5.60	12:49:16	
450.N	6	-2	5.20	12:46:55	
500.N	5	-4	4.75	12:45:09	
525.N	11	-3	4.47	12:43:41	
550.N	9	-3	4.51	12:42:23	
575.N	3	-4	4.34	12:41:04	
600.N	3	-4	4.28	12:39:33	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1000.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
350.S	-10	5	4.84	13:59:26	
325.S	-9	6	4.96	14:01:04	
300.S	-1	6	4.81	13:57:29	
300.S	-11	4	5.18	14:02:38	
275.S	-9	2	5.22	14:03:57	
250.S	-11	2	5.28	14:05:17	
225.S	-13	3	5.17	14:06:56	
200.S	-8	6	5.25	14:08:14	
175.S	-6	5	5.04	14:09:52	
150.S	-8	4	4.99	14:11:13	
125.S	-6	4	4.73	14:12:53	
100.S	-6	6	4.45	14:14:44	
75.S	-14	5	4.20	14:17:23	
50.S	-20	3	4.20	14:18:39	
25.S	-20	2	4.19	14:19:57	
0.	-22	1	3.24	11:41:29	
0.	-21	0	4.02	14:21:26	
25.N	-37	-3	3.09	11:42:51	
50.N	-25	-2	3.21	11:44:30	
75.N	-15	-7	3.07	11:46:28	
100.N	-14	-18	3.11	11:48:11	
125.N	-20	-23	3.03	11:50:11	
150.N	-30	-29	3.34	11:52:24	
175.N	-39	-36	3.48	11:54:36	
200.N	-39	-23	3.89	11:56:43	
225.N	-35	-17	4.11	11:59:05	
250.N	-39	-17	4.10	12:00:47	
275.N	-44	-17	3.89	12:02:49	
300.N	-53	-22	3.80	12:05:10	
325.N	-54	-22	3.87	12:06:49	
350.N	-52	-18	3.77	12:09:06	
375.N	-53	-21	3.90	12:10:47	
400.N	-41	-15	3.93	12:15:46	
425.N	-38	-15	4.11	12:20:24	
450.N	-44	-17	4.00	12:23:28	
475.N	-38	-15	3.77	12:24:56	
500.N	-40	-21	3.68	12:26:47	
525.N	-39	-19	3.76	12:29:12	
550.N	-36	-21	3.84	12:30:58	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 500.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
325.S	29	28	2.28	08:15:59	
300.S	30	30	2.11	08:12:34	
275.S	33	20	1.91	08:09:21	
250.S	24	40	1.46	08:06:45	
225.S	24	37	1.16	08:04:33	
200.S	-10	51	0.77	08:02:20	
175.S	2	34	0.89	08:00:14	
150.S	3	39	0.78	07:58:05	
125.S	24	31	0.86	07:55:49	
125.S	22	7	5.14	11:21:39	
100.S	26	6	4.81	11:20:19	
75.S	24	6	4.85	11:18:54	
50.S	27	6	4.78	11:17:37	
25.S	26	4	4.88	11:16:05	
0.	24	1	4.79	11:14:42	
25.N	23	2	4.71	11:13:41	
50.N	30	5	4.68	11:12:32	
75.N	38	8	4.56	11:11:28	
100.N	34	3	4.50	11:08:08	
100.N	38	5	4.23	11:10:20	
125.N	39	4	4.28	11:07:09	
150.N	34	2	4.31	11:05:33	
175.N	34	1	4.22	11:03:39	
200.N	36	5	4.20	11:01:53	
225.N	38	6	4.11	11:00:00	
250.N	38	6	3.96	10:58:34	
275.N	37	5	3.46	10:15:15	
275.N	39	10	1.65	10:57:05	
300.N	42	8	3.29	10:18:18	
325.N	47	9	3.01	10:21:15	
350.N	46	3	3.22	10:23:41	
375.N	43	0	3.11	10:26:31	
400.N	43	-2	3.29	10:28:30	
425.N	38	0	3.42	10:30:44	
450.N	36	-2	3.17	10:32:39	
475.N	36	1	3.46	10:35:38	
500.N	40	1	3.46	10:37:44	
525.N	30	1	3.60	10:40:04	
550.N	31	-0	3.65	10:41:14	
575.N	36	-0	3.57	10:43:30	
600.N	34	-1	3.58	10:44:27	

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 400.W Grid: 1. Job: 8615. Date: 86/06/10 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
300.S	34	17	2.84	08:20:51	
275.S	26	21	3.07	08:24:25	
250.S	27	20	3.20	08:27:56	
225.S	25	24	2.99	08:28:58	
200.S	26	20	3.25	08:30:27	
175.S	18	18	3.25	08:32:11	
150.S	12	9	3.55	08:34:23	
125.S	13	3	3.66	08:36:45	
100.S	12	0	3.49	08:38:45	
75.S	31	8	3.78	08:43:19	
50.S	35	11	3.73	08:44:50	
25.S	28	9	3.76	08:46:29	
0.	24	7	3.83	08:48:08	
25.N	26	4	3.83	08:49:11	
50.N	29	2	3.79	08:50:21	
75.N	26	0	3.83	08:51:50	
100.N	31	2	3.73	08:53:26	
125.N	38	4	3.61	08:55:05	
150.N	40	6	3.71	08:56:24	
175.N	42	5	3.55	08:58:03	
200.N	32	2	3.53	08:59:34	
225.N	35	5	3.52	09:00:54	
250.N	31	7	3.50	09:02:21	
275.N	37	9	3.43	09:05:29	
300.N	40	11	3.32	09:07:30	
325.N	44	13	3.23	09:10:21	
350.N	43	9	3.17	09:15:53	
375.N	46	7	3.15	09:18:21	
400.N	44	6	3.20	09:20:43	
425.N	34	0	3.14	09:23:55	
450.N	34	3	3.09	09:26:31	
475.N	30	-9	3.08	09:28:30	
500.N	30	-0	3.15	09:30:04	
525.N	31	-2	3.10	09:31:55	
550.N	36	6	2.89	09:33:55	
575.N	35	2	3.04	09:36:03	
600.N	38	-1	2.99	09:37:55	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:MAG04.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1700.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
350.S	55526.2		10:35:23	
325.S	55552.5	26.3	10:33:38	
300.S	55607.7	55.2	10:31:43	
275.S	55472.6	-135.1	10:30:10	
250.S	55574.9	102.3	10:28:51	
225.S	55631.4	56.5	10:27:19	
200.S	55686.4	55.0	10:25:41	
175.S	55732.7	46.3	10:24:04	
150.S	55764.5	31.8	10:22:15	
125.S	55773.9	9.4	10:20:28	
100.S	55793.0	19.1	10:17:33	
75.S	55807.1	14.1	10:16:10	
50.S	55821.7	14.6	10:14:55	
25.S	55836.7	15.0	10:13:34	
0.	55837.0	0.3	10:12:11	
25.N	55840.8	3.8	10:10:54	
50.N	55840.1	-0.7	10:09:37	
75.N	55850.4	10.3	10:08:20	
100.N	55866.8	16.4	10:06:55	
125.N	55890.2	23.4	10:05:34	
150.N	55900.1	9.9	10:03:16	
175.N	55866.2	-33.9	10:01:39	
200.N	55863.1	-3.1	09:59:55	
225.N	55871.0	7.9	09:58:27	
250.N	55885.6	14.6	09:57:01	
275.N	55862.5	-23.1	09:55:26	
300.N	55870.1	7.6	09:53:37	
325.N	55880.8	10.7	09:51:36	
350.N	55901.4	20.6	09:49:22	
375.N	55857.7	-43.7	09:47:35	
400.N	55907.3	49.6	09:46:10	
425.N	55876.9	-30.4	09:44:49	
450.N	55884.9	8.0	09:43:23	
475.N	55886.3	1.4	09:41:54	
500.N	55899.3	13.0	09:40:26	
525.N	55906.3	7.0	09:39:14	
550.N	55900.4	-5.9	09:37:58	
575.N	55971.6	71.2	09:36:37	
600.N	55883.1	-88.5	09:35:16	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1600.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55844.4		08:25:02	
375.S	55780.4	-64.0	08:26:38	
350.S	55763.5	-16.9	08:29:10	
325.S	55759.1	-4.4	08:33:06	
300.S	55759.7	0.6	08:34:41	
275.S	55758.4	-1.3	08:36:09	
250.S	55764.0	5.6	08:37:23	
225.S	55768.9	4.9	08:38:56	
200.S	55791.5	22.6	08:40:52	
175.S	55785.4	-6.1	08:42:19	
150.S	55791.4	6.0	08:43:54	
125.S	55799.7	8.3	08:45:40	
100.S	55802.9	3.2	08:47:25	
75.S	55819.1	16.2	08:48:41	
50.S	55818.2	-0.9	08:50:10	
25.S	55809.5	-8.7	08:51:39	
0.	55820.5	11.0	08:53:04	
25.N	55841.7	21.2	08:54:44	
50.N	55838.1	-3.6	08:56:08	
75.N	55825.6	-12.5	08:57:40	
100.N	55848.5	22.9	08:59:06	
125.N	55808.4	-40.1	09:00:24	
150.N	55855.1	46.7	09:01:38	
175.N	55842.1	-13.0	09:02:51	
200.N	55851.1	9.0	09:04:05	
225.N	55902.9	51.8	09:05:25	
250.N	55843.7	-59.2	09:06:45	
275.N	55933.0	89.3	09:07:58	
300.N	55854.3	-78.7	09:09:21	
325.N	55843.9	-10.4	09:11:02	
350.N	55856.7	12.8	09:12:24	
375.N	55874.2	17.5	09:13:50	
400.N	55870.0	-4.2	09:15:02	
425.N	55863.5	-6.5	09:16:27	
450.N	55876.0	12.5	09:18:23	
475.N	55881.8	5.8	09:19:45	
500.N	55886.8	5.0	09:20:59	
525.N	55896.4	9.6	09:22:26	
550.N	55903.9	7.5	09:23:40	
575.N	55902.3	-1.6	09:24:59	
600.N	55917.0	14.7	09:26:28	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1500.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55882.0		08:12:07	
375.S	55748.8	-133.2	08:09:11	
350.S	55727.9	-20.9	08:06:03	
325.S	55717.3	-10.6	08:04:37	
300.S	55719.8	2.5	08:02:33	
275.S	55738.6	18.8	08:00:37	
250.S	55751.5	12.9	07:59:08	
225.S	55747.6	-3.9	07:57:17	
200.S	55752.9	5.3	07:55:52	
175.S	55744.6	-8.3	07:53:33	
150.S	55802.2	57.6	07:50:37	
125.S	55786.0	-16.2	07:48:40	
100.S	55795.7	9.7	07:46:36	
75.S	55791.5	-4.2	07:45:09	
50.S	55794.6	3.1	07:43:44	
25.S	55818.0	23.4	07:41:54	
0.	55823.7	5.7	07:40:12	
25.N	55813.5	-10.2	07:38:55	
50.N	55809.1	-4.4	07:37:29	
75.N	55813.2	4.1	07:35:44	
100.N	55854.0	40.8	07:34:20	
125.N	55830.3	-23.7	07:32:23	
150.N	55844.1	13.8	07:30:56	
175.N	55852.5	8.4	07:29:33	
200.N	55855.9	3.4	07:26:37	
225.N	55848.4	-7.5	07:25:13	
250.N	55843.6	-4.8	07:23:16	
275.N	55845.5	1.9	07:21:48	
300.N	55847.4	1.9	07:19:56	
325.N	55861.3	13.9	07:18:17	
350.N	55855.9	-5.4	07:16:44	
375.N	55872.4	16.5	07:13:45	
400.N	55866.0	-6.4	07:12:27	
425.N	55869.9	3.9	07:10:40	
450.N	55866.8	-3.1	07:09:01	
475.N	55878.8	12.0	07:07:20	
500.N	55871.0	-7.8	07:04:06	
525.N	55890.0	19.0	07:02:13	
550.N	55892.5	2.5	07:00:48	
575.N	55896.0	3.5	06:59:15	
600.N	55907.3	11.3	06:57:39	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1400.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
250.S	55728.7		05:48:14	
225.S	55757.4	28.7	05:49:54	
200.S	55712.5	-44.9	05:50:54	
175.S	55719.0	6.5	05:52:13	
150.S	55757.9	38.9	05:57:04	
125.S	55794.4	36.5	05:58:29	
100.S	55761.7	-32.7	06:00:00	
75.S	55772.6	10.9	06:01:30	
50.S	55803.0	30.4	06:03:04	
25.S	55791.7	-11.3	06:05:04	
0.	55800.7	9.0	06:07:13	
25.N	55803.7	3.0	06:08:41	
50.N	55834.6	30.9	06:10:03	
75.N	55797.1	-37.5	06:11:04	
100.N	55816.4	19.3	06:12:25	
125.N	55819.5	3.1	06:13:28	
150.N	55819.0	-0.5	06:15:25	
175.N	55825.7	6.7	06:16:40	
200.N	55846.4	20.7	06:18:46	
225.N	55813.9	-32.5	06:20:45	
250.N	55841.2	27.3	06:22:22	
275.N	55868.4	27.2	06:23:56	
300.N	55830.9	-37.5	06:26:01	
325.N	55849.0	18.1	06:27:17	
350.N	55866.0	17.0	06:28:42	
375.N	55853.5	-12.5	06:30:08	
400.N	55846.1	-7.4	06:31:29	
425.N	55844.9	-1.2	06:33:14	
450.N	55857.3	12.4	06:36:01	
475.N	55870.2	12.9	06:37:23	
500.N	55859.1	-11.1	06:39:19	
525.N	55883.7	24.6	06:40:50	
550.N	55906.8	23.1	06:42:27	
575.N	56022.3	115.5	06:44:00	
600.N	55848.2	-174.1	06:45:32	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNPM04.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 1700.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
350.S	-32	-22	6.25	10:35:57
325.S	-33	-23	6.24	10:34:30
300.S	-29	-23	6.31	10:32:16
275.S	-34	-24	6.25	10:30:43
250.S	-31	-24	6.30	10:29:22
225.S	-31	-22	6.33	10:27:52
200.S	-36	-23	6.09	10:26:18
175.S	-33	-23	6.13	10:24:38
150.S	-27	-21	6.07	10:22:49
125.S	-27	-21	5.98	10:21:05
100.S	-33	-22	6.04	10:18:06
75.S	-27	-19	6.11	10:16:43
50.S	-31	-19	6.28	10:15:26
25.S	-29	-19	6.05	10:14:09
0.	-30	-18	6.47	10:12:46
25.N	-27	-15	6.41	10:11:25
50.N	-29	-17	6.42	10:10:09
75.N	-30	-16	6.47	10:08:50
100.N	-31	-15	6.34	10:07:27
125.N	-33	-14	6.34	10:06:07
150.N	-33	-16	6.16	10:03:51
175.N	-35	-17	6.09	10:02:16
200.N	-37	-18	5.94	10:00:32
225.N	-32	-17	5.83	09:59:02
250.N	-33	-18	5.73	09:57:39
275.N	-33	-18	5.53	09:56:04
300.N	-32	-20	5.13	09:54:07
325.N	-36	-17	5.20	09:52:13
350.N	-35	-16	5.23	09:50:00
375.N	-35	-16	5.23	09:48:05
400.N	-37	-14	5.21	09:46:44
425.N	-42	-13	5.15	09:45:20
450.N	-40	-12	5.13	09:43:51
475.N	-45	-8	4.72	09:42:41
500.N	-56	-13	4.58	09:41:00
525.N	-52	-12	4.55	09:39:43
550.N	-51	-13	5.49	09:38:41
575.N	-48	-12	4.38	09:37:20
600.N	-47	-16	4.23	09:35:53

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 1600.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-48	-28	3.70	08:25:52
375.S	-46	-27	3.73	08:27:07
350.S	-40	-27	3.87	08:29:41
325.S	-37	-28	4.05	08:33:40
300.S	-42	-28	4.13	08:35:19
275.S	-43	-27	4.27	08:36:39
250.S	-44	-28	4.25	08:38:04
225.S	-30	-25	3.66	08:39:38
200.S	-37	-25	4.44	08:41:22
175.S	-28	-23	4.22	08:42:54
150.S	-34	-23	4.55	08:44:26
125.S	-29	-20	4.61	08:46:12
100.S	-31	-20	4.63	08:47:56
75.S	-37	-23	4.64	08:49:11
50.S	-29	-21	4.46	08:50:44
25.S	-35	-20	4.59	08:52:24
0.	-39	-21	4.57	08:53:50
25.N	-39	-20	4.65	08:55:15
50.N	-36	-20	4.57	08:56:41
75.N	-42	-20	4.57	08:58:24
100.N	-45	-22	4.52	08:59:36
125.N	-41	-20	4.51	09:00:59
150.N	-40	-23	4.46	09:02:07
175.N	-41	-20	4.55	09:03:20
200.N	-44	-22	4.39	09:04:41
225.N	-43	-22	4.47	09:05:57
250.N	-38	-21	4.27	09:07:16
275.N	-43	-20	4.44	09:08:36
300.N	-36	-19	4.25	09:09:58
325.N	-40	-17	4.31	09:11:42
350.N	-34	-17	3.95	09:12:59
375.N	-37	-14	3.96	09:14:22
400.N	-43	-14	4.11	09:15:36
425.N	-49	-14	4.11	09:17:30
450.N	-49	-13	4.14	09:18:55
475.N	-50	-13	4.04	09:20:16
500.N	-53	-14	3.91	09:21:40
525.N	-53	-13	4.00	09:23:03
550.N	-51	-12	3.90	09:24:11
575.N	-44	-10	3.74	09:25:33
600.N	-52	-14	3.78	09:27:27

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 1500.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-44	-21	2.85	08:12:50
375.S	-47	-23	2.42	08:10:09
350.S	-37	-19	2.17	08:06:50
325.S	-40	-21	2.10	08:05:08
300.S	-42	-22	1.94	08:03:52
275.S	-39	-17	1.83	08:01:45
250.S	-49	-22	1.65	07:59:50
225.S	-42	-16	1.66	07:58:17
200.S	-34	-16	1.51	07:56:28
175.S	-29	-14	1.38	07:54:29
150.S	-44	-18	1.14	07:51:39
125.S	-36	-16	1.16	07:49:09
100.S	-31	-6	1.07	07:47:40
75.S	-43	-3	1.08	07:45:48
50.S	-41	-3	1.12	07:44:21
25.S	-46	-7	1.28	07:42:52
0.	-35	-7	1.34	07:41:13
25.N	-35	-9	1.17	07:39:31
50.N	-31	-5	1.10	07:38:08
75.N	-30	-10	1.36	07:36:40
100.N	-48	-14	1.44	07:34:52
125.N	-48	-10	1.50	07:33:16
150.N	-41	-13	1.49	07:31:45
175.N	-33	-14	1.45	07:30:23
200.N	-44	-12	1.78	07:27:08
225.N	-43	-15	1.83	07:25:49
250.N	-38	-19	1.96	07:23:55
275.N	-46	-20	2.18	07:22:24
300.N	-46	-18	2.45	07:20:30
325.N	-47	-16	3.12	07:18:48
350.N	-52	-25	2.88	07:17:19
375.N	-52	-19	3.50	07:14:20
400.N	-51	-17	3.66	07:13:01
425.N	-53	-18	3.74	07:11:19
450.N	-52	-16	4.01	07:09:36
475.N	-52	-17	4.09	07:08:01
500.N	-48	-18	4.61	07:04:40
525.N	-53	-19	4.68	07:02:46
550.N	-51	-22	5.02	07:01:18
575.N	-51	-21	5.13	06:59:57
600.N	-48	-21	5.19	06:58:26

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 1400.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
250.S	-38	-19	7.81	05:49:26
225.S	-36	-17	7.79	05:50:27
200.S	-39	-18	7.64	05:51:31
175.S	-32	-16	7.85	05:52:46
150.S	-34	-20	8.09	05:57:33
125.S	-32	-19	8.14	05:59:01
100.S	-32	-21	8.20	06:00:33
75.S	-34	-21	8.23	06:02:05
50.S	-31	-21	8.34	06:03:42
25.S	-37	-23	8.31	06:06:18
0.	-36	-22	8.61	06:07:46
25.N	-35	-22	8.73	06:09:16
50.N	-34	-22	8.95	06:10:33
75.N	-40	-23	8.55	06:11:45
100.N	-36	-22	8.75	06:12:55
125.N	-37	-21	8.63	06:14:09
150.N	-36	-23	8.24	06:15:57
175.N	-39	-23	8.21	06:17:17
200.N	-45	-27	7.68	06:19:48
225.N	-44	-28	7.32	06:21:21
250.N	-43	-26	7.10	06:22:57
275.N	-45	-25	7.06	06:24:28
300.N	-43	-24	6.79	06:26:34
325.N	-45	-24	6.87	06:27:47
350.N	-41	-23	6.86	06:29:12
375.N	-42	-21	6.77	06:30:39
400.N	-43	-19	6.68	06:31:59
425.N	-45	-21	6.51	06:33:50
450.N	-44	-22	6.08	06:36:33
475.N	-41	-23	6.17	06:37:56
500.N	-42	-22	5.89	06:39:50
525.N	-41	-24	5.79	06:41:24
550.N	-43	-24	5.68	06:42:58
575.N	-39	-21	5.52	06:44:30
600.N	-39	-20	5.55	06:46:04

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNLK04.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 1700.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
350.S	21	-4	154.00	10:35:40	
325.S	20	-3	153.00	10:33:58	
300.S	19	-4	152.00	10:32:02	
275.S	17	-4	153.00	10:30:28	
250.S	20	-4	151.00	10:29:06	
225.S	17	-4	153.00	10:27:34	
200.S	17	-5	155.00	10:26:00	
175.S	15	-6	154.00	10:24:23	
150.S	13	-8	160.00	10:22:33	
125.S	13	-7	152.00	10:20:48	
100.S	16	-4	156.00	10:17:49	
75.S	15	-3	154.00	10:16:26	
50.S	16	-3	161.00	10:15:12	
25.S	15	-4	159.00	10:13:52	
0.	14	-3	158.00	10:12:28	
25.N	18	-2	151.00	10:11:12	
50.N	19	0	149.00	10:09:53	
75.N	18	0	155.00	10:08:36	
100.N	19	0	156.00	10:07:13	
125.N	19	0	161.00	10:05:53	
150.N	21	0	163.00	10:03:34	
175.N	20	-0	164.00	10:01:57	
200.N	17	-1	172.00	10:00:15	
225.N	12	-3	182.00	09:58:47	
250.N	10	-5	177.00	09:57:21	
275.N	5	-7	176.00	09:55:44	
300.N	4	-7	176.00	09:53:53	
325.N	2	-8	171.00	09:51:55	
350.N	-0	-9	158.00	09:49:42	
375.N	6	-5	149.00	09:47:52	
400.N	8	-2	152.00	09:46:29	
425.N	10	-2	153.00	09:45:07	
450.N	15	0	152.00	09:43:38	
475.N	13	1	154.00	09:42:13	
500.N	15	1	165.00	09:40:40	
525.N	13	2	163.00	09:39:31	
550.N	18	3	173.00	09:38:15	
575.N	11	-0	181.00	09:37:06	
600.N	4	-3	176.00	09:35:38	

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 1600.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	23	-7	173.00	08:25:24	
375.S	22	-8	171.00	08:26:53	
350.S	23	-6	174.00	08:29:25	
325.S	20	-6	177.00	08:33:25	
300.S	20	-5	176.00	08:34:59	
275.S	17	-7	179.00	08:36:25	
250.S	14	-6	170.00	08:37:37	
225.S	14	-6	174.00	08:39:11	
200.S	15	-6	168.00	08:41:08	
175.S	16	-5	166.00	08:42:35	
150.S	14	-5	163.00	08:44:11	
125.S	14	-4	160.00	08:45:57	
100.S	14	-3	164.00	08:47:43	
75.S	16	-3	170.00	08:48:55	
50.S	14	-3	170.00	08:50:27	
25.S	16	-3	170.00	08:51:57	
0.	14	-3	169.00	08:53:22	
25.N	14	-2	168.00	08:55:01	
50.N	13	-2	168.00	08:56:25	
75.N	15	-1	166.00	08:57:56	
100.N	15	-0	168.00	08:59:21	
125.N	15	-0	174.00	09:00:38	
150.N	15	0	173.00	09:01:55	
175.N	16	-0	173.00	09:03:06	
200.N	13	-0	179.00	09:04:22	
225.N	12	-1	185.00	09:05:41	
250.N	9	-4	186.00	09:07:03	
275.N	4	-6	184.00	09:08:16	
300.N	6	-5	173.00	09:09:39	
325.N	7	-5	176.00	09:11:23	
350.N	4	-5	168.00	09:12:42	
375.N	4	-3	162.00	09:14:08	
400.N	7	-1	153.00	09:15:19	
425.N	14	1	154.00	09:16:59	
450.N	16	4	156.00	09:18:41	
475.N	14	3	168.00	09:20:02	
500.N	13	1	167.00	09:21:17	
525.N	12	0	169.00	09:22:45	
550.N	9	0	172.00	09:23:58	
575.N	8	-0	172.00	09:25:16	
600.N	4	-2	181.00	09:26:43	

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 1500.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
400.S	27	-7	167.00	08:12:32	
375.S	26	-7	177.00	08:09:38	
350.S	18	-8	180.00	08:06:18	
325.S	19	-8	174.00	08:04:52	
300.S	20	-5	177.00	08:02:50	
275.S	20	-5	176.00	08:00:57	
250.S	15	-4	175.00	07:59:23	
225.S	16	-3	179.00	07:57:33	
200.S	15	-4	176.00	07:56:09	
175.S	14	-4	172.00	07:53:53	
150.S	11	-4	178.00	07:50:56	
125.S	15	-4	170.00	07:48:57	
100.S	17	-2	168.00	07:46:57	
75.S	17	0	168.00	07:45:26	
50.S	15	-0	172.00	07:43:59	
25.S	16	-0	179.00	07:42:11	
0.	14	-3	181.00	07:40:35	
25.N	12	-4	178.00	07:39:12	
50.N	11	-4	176.00	07:37:47	
75.N	13	-3	173.00	07:36:10	
100.N	10	-2	169.00	07:34:36	
125.N	12	-1	173.00	07:32:46	
150.N	13	-1	180.00	07:31:18	
175.N	14	-2	179.00	07:29:50	
200.N	8	-2	182.00	07:26:51	
225.N	7	-4	184.00	07:25:30	
250.N	7	-4	183.00	07:23:35	
275.N	7	-4	177.00	07:22:05	
300.N	6	-2	179.00	07:20:12	
325.N	3	-3	182.00	07:18:32	
350.N	1	-5	174.00	07:16:59	
375.N	8	-0	163.00	07:14:03	
400.N	9	-0	166.00	07:12:46	
425.N	10	1	163.00	07:10:59	
450.N	11	2	170.00	07:09:20	
475.N	10	4	181.00	07:07:34	
500.N	4	1	175.00	07:04:21	
525.N	6	1	173.00	07:02:29	
550.N	6	2	174.00	07:01:02	
575.N	0	1	176.00	06:59:29	
600.N	1	-0	167.00	06:57:54	

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 1400.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
250.S	19	-5	146.00	05:48:37	
225.S	14	-4	142.00	05:50:12	
200.S	14	-4	142.00	05:51:11	
175.S	15	-3	142.00	05:52:29	
150.S	17	-1	136.00	05:57:18	
125.S	18	-0	139.00	05:58:45	
100.S	17	1	141.00	06:00:18	
75.S	21	1	148.00	06:01:49	
50.S	14	-0	150.00	06:03:24	
25.S	11	-1	149.00	06:05:20	
0.	11	-2	148.00	06:07:31	
25.N	11	-0	145.00	06:08:58	
50.N	13	-0	147.00	06:10:18	
75.N	14	0	147.00	06:11:17	
100.N	12	0	146.00	06:12:40	
125.N	10	0	150.00	06:13:42	
150.N	7	-0	151.00	06:15:41	
175.N	9	0	150.00	06:16:55	
200.N	1	-1	155.00	06:19:14	
225.N	6	0	149.00	06:21:04	
250.N	7	0	144.00	06:22:40	
275.N	8	1	143.00	06:24:10	
300.N	8	1	140.00	06:26:19	
325.N	12	4	142.00	06:27:31	
350.N	15	5	143.00	06:28:58	
375.N	13	4	149.00	06:30:23	
400.N	11	4	150.00	06:31:43	
425.N	8	5	163.00	06:33:30	
450.N	-0	2	160.00	06:36:16	
475.N	0	3	155.00	06:37:38	
500.N	3	4	151.00	06:39:34	
525.N	5	5	157.00	06:41:05	
550.N	3	4	161.00	06:42:42	
575.N	0	0	160.00	06:44:16	
600.N	0	0	152.00	06:45:47	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:UNCOR04.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1700.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
350.S	55523.6*		10:35:23	
325.S	55550.0*	26.4	10:33:38	
300.S	55604.7*	54.7	10:31:43	
275.S	55470.5*	-134.2	10:30:10	
250.S	55573.1*	102.6	10:28:51	
225.S	55629.5*	56.4	10:27:19	
200.S	55684.8*	55.3	10:25:41	
175.S	55731.6*	46.8	10:24:04	
150.S	55763.2*	31.6	10:22:15	
125.S	55773.7*	10.5	10:20:28	
100.S	55793.1*	19.4	10:17:33	
75.S	55806.4*	13.3	10:16:10	
50.S	55822.3*	15.9	10:14:55	
25.S	55836.7*	14.4	10:13:34	
0.	55837.5*	0.8	10:12:11	
25.N	55840.5*	3.0	10:10:54	
50.N	55840.2*	-0.3	10:09:37	
75.N	55850.7*	10.5	10:08:20	
100.N	55867.9*	17.2	10:06:55	
125.N	55890.5*	22.6	10:05:34	
150.N	55901.3*	10.8	10:03:16	
175.N	55866.8*	-34.5	10:01:39	
200.N	55864.0*	-2.8	09:59:55	
225.N	55872.1*	8.1	09:58:27	
250.N	55886.0*	13.9	09:57:01	
275.N	55863.1*	-22.9	09:55:26	
300.N	55871.8*	8.7	09:53:37	
325.N	55883.0*	11.2	09:51:36	
350.N	55904.0*	21.0	09:49:22	
375.N	55859.7*	-44.3	09:47:35	
400.N	55908.8*	49.1	09:46:10	
425.N	55879.7*	-29.1	09:44:49	
450.N	55888.3*	8.6	09:43:23	
475.N	55890.4*	2.1	09:41:54	
500.N	55903.2*	12.8	09:40:26	
525.N	55910.2*	7.0	09:39:14	
550.N	55902.9*	-7.3	09:37:58	
575.N	55975.2*	72.3	09:36:37	
600.N	55886.6*	-88.6	09:35:16	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1600.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55849.8*		08:25:02	
375.S	55786.5*	-63.3	08:26:38	
350.S	55770.6*	-15.9	08:29:10	
325.S	55766.5*	-4.1	08:33:06	
300.S	55766.4*	-0.1	08:34:41	
275.S	55765.6*	-0.8	08:36:09	
250.S	55772.0*	6.4	08:37:23	
225.S	55776.3*	4.3	08:38:56	
200.S	55799.7*	23.4	08:40:52	
175.S	55793.3*	-6.4	08:42:17	
150.S	55798.7*	5.4	08:43:54	
125.S	55806.9*	8.2	08:45:40	
100.S	55809.9*	3.0	08:47:25	
75.S	55826.1*	16.2	08:48:41	
50.S	55825.7*	-0.4	08:50:10	
25.S	55816.6*	-9.1	08:51:39	
0.	55827.6*	11.0	08:53:04	
25.N	55848.4*	20.8	08:54:44	
50.N	55844.9*	-3.5	08:56:08	
75.N	55832.4*	-12.5	08:57:40	
100.N	55855.7*	23.3	08:59:06	
125.N	55814.4*	-41.3	09:00:24	
150.N	55860.5*	46.1	09:01:38	
175.N	55847.8*	-12.7	09:02:51	
200.N	55856.9*	9.1	09:04:05	
225.N	55908.2*	51.3	09:05:25	
250.N	55848.8*	-59.4	09:06:45	
275.N	55937.7*	88.9	09:07:58	
300.N	55858.4*	-79.3	09:09:21	
325.N	55848.4*	-10.0	09:11:02	
350.N	55860.9*	12.5	09:12:24	
375.N	55878.6*	17.7	09:13:50	
400.N	55874.1*	-4.5	09:15:02	
425.N	55867.1*	-7.0	09:16:27	
450.N	55880.7*	13.6	09:18:23	
475.N	55886.7*	6.0	09:19:45	
500.N	55891.0*	4.3	09:20:59	
525.N	55901.1*	10.1	09:22:26	
550.N	55909.1*	8.0	09:23:40	
575.N	55907.5*	-1.6	09:24:59	
600.N	55922.1*	14.6	09:26:28	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1500.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55887.8*		08:12:07	
375.S	55754.9*	-132.9	08:09:11	
350.S	55732.9*	-22.0	08:06:03	
325.S	55721.6*	-11.3	08:04:37	
300.S	55724.5*	2.9	08:02:33	
275.S	55744.4*	19.9	08:00:37	
250.S	55757.3*	12.9	07:59:08	
225.S	55753.9*	-3.4	07:57:17	
200.S	55759.6*	5.7	07:55:52	
175.S	55752.0*	-7.6	07:53:33	
150.S	55810.0*	58.0	07:50:37	
125.S	55793.2*	-16.8	07:48:40	
100.S	55803.2*	10.0	07:46:36	
75.S	55800.7*	-2.5	07:45:09	
50.S	55805.2*	4.5	07:43:44	
25.S	55829.1*	23.9	07:41:54	
0.	55833.6*	4.5	07:40:12	
25.N	55823.0*	-10.6	07:38:55	
50.N	55817.3*	-5.7	07:37:29	
75.N	55821.9*	4.6	07:35:44	
100.N	55863.0*	41.1	07:34:20	
125.N	55839.1*	-23.9	07:32:23	
150.N	55852.8*	13.7	07:30:56	
175.N	55860.1*	7.3	07:29:33	
200.N	55861.7*	1.6	07:26:37	
225.N	55854.8*	-6.9	07:25:13	
250.N	55850.6*	-4.2	07:23:16	
275.N	55852.3*	1.7	07:21:48	
300.N	55853.2*	0.9	07:19:56	
325.N	55865.9*	12.7	07:18:17	
350.N	55859.5*	-6.4	07:16:44	
375.N	55875.6*	16.1	07:13:45	
400.N	55869.2*	-6.4	07:12:27	
425.N	55873.6*	4.4	07:10:40	
450.N	55870.7*	-2.9	07:09:01	
475.N	55882.7*	12.0	07:07:20	
500.N	55875.1*	-7.6	07:04:06	
525.N	55893.8*	18.7	07:02:13	
550.N	55895.9*	2.1	07:00:48	
575.N	55898.9*	3.0	06:59:15	
600.N	55909.5*	10.6	06:57:39	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1400.W Grid: 1. Job: 8615. Date: 86/06/11 Operator: 2.

Station	Mag Fld	Change	Time	Information
250.S	55730.0*		05:48:14	
225.S	55758.3*	28.3	05:49:54	
200.S	55713.4*	-44.9	05:50:54	
175.S	55720.2*	6.8	05:52:13	
150.S	55759.0*	38.8	05:57:04	
125.S	55795.8*	36.8	05:58:29	
100.S	55763.5*	-32.3	06:00:00	
75.S	55774.4*	10.9	06:01:30	
50.S	55805.0*	30.6	06:03:04	
25.S	55793.2*	-11.8	06:05:04	
0.	55802.1*	8.9	06:07:13	
25.N	55805.1*	3.0	06:08:41	
50.N	55836.2*	31.1	06:10:03	
75.N	55798.7*	-37.5	06:11:04	
100.N	55817.7*	19.0	06:12:25	
125.N	55821.1*	3.4	06:13:28	
150.N	55820.6*	-0.5	06:15:25	
175.N	55827.4*	6.8	06:16:40	
200.N	55847.7*	20.3	06:18:46	
225.N	55815.1*	-32.6	06:20:45	
250.N	55842.6*	27.5	06:22:22	
275.N	55870.2*	27.6	06:23:56	
300.N	55833.2*	-37.0	06:26:01	
325.N	55851.5*	18.3	06:27:17	
350.N	55868.5*	17.0	06:28:42	
375.N	55856.2*	-12.3	06:30:08	
400.N	55849.1*	-7.1	06:31:29	
425.N	55847.5*	-1.6	06:33:14	
450.N	55860.4*	12.9	06:36:01	
475.N	55873.5*	13.1	06:37:23	
500.N	55862.3*	-11.2	06:39:19	
525.N	55887.1*	24.8	06:40:50	
550.N	55910.3*	23.2	06:42:27	
575.N	56025.9*	115.6	06:44:00	
600.N	55851.6*	-174.3	06:45:32	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:MAG06.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2300.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
250.S	55824.0		14:30:32	
225.S	55819.8	-4.2	14:32:08	
200.S	55817.0	-2.8	14:34:10	
175.S	55814.5	-2.5	14:36:30	
150.S	55811.6	-2.9	14:39:00	
125.S	55821.8	10.2	14:40:41	
100.S	55820.9	-0.9	14:42:39	
75.S	55836.4	15.5	14:45:20	
50.S	55847.3	10.9	14:47:40	
25.S	55853.6	6.3	14:49:40	
0.	55852.5	-1.1	14:51:44	
25.N	55840.6	-11.9	14:53:15	
50.N	55850.4	9.8	14:55:28	
75.N	55863.3	12.9	14:57:53	
100.N	55848.1	-15.2	14:59:44	
125.N	55857.4	9.3	15:01:28	
150.N	55871.3	13.9	15:05:47	
175.N	55829.2	-42.1	15:11:08	
200.N	55864.0	34.8	15:18:08	
225.N	55865.7	1.7	15:19:37	
250.N	55876.7	11.0	15:21:26	
275.N	55874.5	-2.2	15:24:23	
300.N	55885.3	10.8	15:25:50	
325.N	55875.1	-10.2	15:26:53	
350.N	55884.9	9.8	15:32:08	
375.N	55892.9	8.0	15:36:18	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2200.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
150.S	55800.5		17:04:48	
125.S	55831.4	30.9	17:05:18	
100.S	55824.4	-7.0	17:61:23	
75.S	55836.6	12.2	16:59:11	
50.S	55837.8	1.2	16:56:50	
25.S	55853.4	15.6	16:55:09	
0.	55862.6	9.2	16:52:22	
25.N	55858.2	-4.4	16:48:14	
50.N	55857.7	-0.5	16:46:31	
75.N	55891.3	33.6	16:44:42	
100.N	55865.3	-26.0	16:42:46	
125.N	55865.2	-0.1	16:40:43	
150.N	55881.2	16.0	16:38:50	
175.N	55857.1	-24.1	16:34:28	
200.N	55874.1	17.0	16:32:29	
225.N	55886.6	12.5	16:31:06	
250.N	55882.9	-3.7	16:29:56	
275.N	55881.5	-1.4	16:28:38	
300.N	55889.9	8.4	16:27:26	
325.N	55894.2	4.3	16:26:22	
350.N	55920.1	25.9	16:25:02	
375.N	55918.7	-1.4	16:23:42	
400.N	55907.0	-11.7	16:22:10	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2100.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55809.8		13:11:48	
375.S	56036.7	226.9	13:10:26	
350.S	56474.9	438.2	13:08:51	
325.S	55758.1	-716.8	13:07:33	
300.S	55736.3	-21.8	13:06:16	
275.S	55798.4	62.1	13:05:00	
250.S	55621.6	-176.8	13:03:56	
225.S	55748.1	126.5	13:02:53	
200.S	55794.4	46.3	13:01:29	
175.S	55838.5	44.1	13:00:01	
150.S	55828.2	-10.3	12:58:43	
125.S	55790.1	-38.1	12:57:44	
100.S	55812.8	22.7	12:56:51	
75.S	55808.0	-4.8	12:54:36	
50.S	55839.6	31.6	12:51:48	
25.S	55834.3	-5.3	12:49:55	
0.	55851.5	17.2	12:47:52	
25.N	55864.4	12.9	12:46:24	
50.N	55876.7	12.3	12:44:56	
75.N	55866.1	-10.6	12:43:26	
100.N	55878.2	12.1	12:40:55	
125.N	55892.7	14.5	12:38:47	
150.N	55880.8	-11.9	12:37:20	
175.N	55884.6	3.8	12:35:38	
200.N	55896.9	12.3	12:33:47	
225.N	55886.3	-10.6	12:30:01	
250.N	55881.5	-4.8	12:27:54	
275.N	55911.0	29.5	12:25:33	
300.N	55883.6	-27.4	12:23:47	
325.N	55893.0	9.4	12:21:41	
350.N	55907.8	14.8	12:19:59	
375.N	55907.3	-0.5	12:18:04	
400.N	55905.8	-1.5	12:17:09	
425.N	55904.2	-1.6	12:14:03	
475.N	55907.3	3.1	12:13:48	
500.N	55915.2	7.9	12:12:46	
525.N	55912.7	-2.5	12:07:11	
550.N	55913.9	1.2	12:06:11	
575.N	55920.4	6.5	12:03:49	
575.N	55910.0	-10.4	12:10:52	
600.N	55922.7	12.7	12:01:07	
600.N	55912.8	-9.9	12:09:54	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Lines 2000.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56368.7		10:46:15	
375.S	56216.9	-151.8	10:47:33	
350.S	56266.9	50.0	10:49:01	
325.S	56167.6	-99.3	10:51:11	
300.S	56173.9	6.3	10:52:37	
275.S	56126.2	-47.7	10:54:09	
250.S	57403.3	1277.1	10:55:26	
225.S	56559.5	-843.8	10:56:51	
200.S	55432.3	-1127.2	10:58:55	
175.S	55651.9	219.6	11:03:59	
150.S	55716.8	64.9	11:05:29	
125.S	55766.5	49.7	11:08:16	
100.S	55822.3	55.8	11:09:37	
75.S	56375.3	553.0	11:11:10	
50.S	55835.4	-539.9	11:12:18	
25.S	55843.9	8.5	11:13:22	
0.	55851.2	7.3	11:15:42	
25.N	55876.5	25.3	11:17:47	
50.N	55904.3	27.8	11:19:16	
75.N	55910.9	6.6	11:20:38	
100.N	55886.5	-24.4	11:22:20	
125.N	55916.9	30.4	11:23:52	
150.N	55877.7	-39.2	11:25:16	
175.N	55895.1	17.4	11:26:53	
200.N	55881.8	-13.3	11:28:31	
225.N	55901.5	19.7	11:29:48	
250.N	56020.3	118.8	11:30:59	
275.N	55895.4	-124.9	11:32:26	
300.N	55894.1	-1.3	11:33:45	
325.N	55905.5	11.4	11:35:14	
350.N	55912.6	7.1	11:36:37	
375.N	55899.6	-13.0	11:38:18	
400.N	55909.9	10.3	11:40:01	
425.N	55912.2	2.3	11:41:38	
450.N	55921.4	9.2	11:42:57	
475.N	55908.2	-13.2	11:44:10	
500.N	55915.4	7.2	11:45:32	
525.N	55931.6	16.2	11:47:16	
550.N	55924.3	-7.3	11:48:40	
575.N	55921.7	-2.6	11:50:13	
600.N	55923.9	2.2	11:51:32	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1900.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56797.3		08:25:01	
375.S	56484.0	-313.3	08:26:25	
350.S	57382.5	898.5	08:27:44	
325.S	56868.8	-513.7	08:29:10	
300.S	57809.6	940.8	08:31:20	
275.S	56818.2	-991.4	08:32:54	
250.S	57499.4	681.2	08:34:14	
225.S	57396.0	-103.4	08:36:00	
212.5S	55605.2	-1790.8	08:37:58	
200.S	55359.6	-245.6	08:38:57	
175.S	55803.5	443.9	08:39:59	
150.S	56048.9	245.4	08:41:01	
125.S	55621.4	-427.5	08:42:10	
100.S	55752.0	130.6	08:43:31	
75.S	55796.8	44.8	08:44:47	
50.S	55819.5	22.7	08:45:56	
25.S	55843.3	23.8	08:47:23	
0.	55862.3	19.0	08:48:39	
25.N	55932.6	70.3	08:49:46	
50.N	55887.5	-45.1	08:51:03	
75.N	56436.2	548.7	08:52:25	
100.N	55831.7	-604.5	08:53:32	
125.N	55829.4	-2.3	08:56:19	
150.N	55858.4	29.0	08:57:54	
175.N	55874.5	16.1	08:59:15	
200.N	55892.4	17.9	09:00:37	
225.N	55922.3	29.9	09:01:59	
250.N	55878.0	-44.3	09:03:26	
275.N	55859.1	-18.9	09:04:54	
300.N	55911.5	52.4	09:06:27	
325.N	55897.6	-13.9	09:08:10	
350.N	55909.0	11.4	09:09:24	
375.N	55909.9	0.9	09:10:40	
400.N	55920.5	10.6	09:11:46	
425.N	55908.1	-12.4	09:13:11	
450.N	55913.4	5.3	09:14:25	
475.N	55924.2	10.8	09:15:47	
500.N	55916.9	-7.3	09:17:04	
525.N	55922.1	5.2	09:18:28	
550.N	55920.6	-1.5	09:20:02	
575.N	55920.3	-0.3	09:22:13	
600.N	55911.0	-9.3	09:23:56	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 1800.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56241.8		10:31:05	
375.S	56263.5	21.7	10:29:57	
350.S	57263.4	999.9	10:28:27	
325.S	55804.8	-1458.6	10:26:17	
312.5S	54129.6	-1675.2	10:25:20	
300.S	54504.8	375.2	10:23:47	
275.S	55251.5	746.7	10:22:48	
250.S	55838.5	587.0	10:21:48	
225.S	55080.6	-757.9	10:20:51	
200.S	55473.7	393.1	10:19:52	
175.S	55455.4	-18.3	10:18:35	
150.S	55708.8	253.4	10:17:16	
125.S	55712.1	3.3	10:15:31	
100.S	55741.5	29.4	10:14:01	
75.S	55799.2	57.7	10:12:32	
50.S	55814.9	15.7	10:10:51	
25.S	55824.5	9.6	10:09:17	
0.	55833.5	9.0	10:07:59	
25.N	55839.5	6.0	10:06:19	
50.N	55854.3	14.8	10:04:49	
75.N	55853.0	-1.3	10:03:24	
100.N	55850.9	-2.1	10:02:06	
125.N	55848.1	-2.8	10:00:48	
150.N	55863.3	15.2	09:59:25	
175.N	55869.9	6.6	09:58:06	
200.N	55881.8	11.9	09:56:30	
225.N	55897.0	15.2	09:55:00	
250.N	55929.0	32.0	09:53:24	
275.N	55890.6	-38.4	09:52:12	
300.N	55867.6	-23.0	09:50:50	
325.N	55878.2	10.6	09:49:07	
350.N	55879.1	0.9	09:47:41	
375.N	55883.9	4.8	09:46:17	
400.N	55879.2	-4.7	09:44:36	
425.N	55902.4	23.2	09:43:01	
450.N	55933.3	30.9	09:41:36	
475.N	55923.8	-9.5	09:39:31	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:UNCOR06.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 2300.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
250.S	55802.5*		14:30:32	
225.S	55798.9*	-3.6	14:32:08	
200.S	55797.0*	-1.9	14:34:10	
175.S	55794.9*	-2.1	14:36:30	
150.S	55792.3*	-2.6	14:39:00	
125.S	55803.0*	10.7	14:40:41	
100.S	55802.2*	-0.8	14:42:39	
75.S	55818.9*	16.7	14:45:20	
50.S	55829.6*	10.7	14:47:40	
25.S	55837.4*	7.8	14:49:40	
0.	55835.8*	-1.6	14:51:44	
25.N	55824.1*	-11.7	14:53:15	
50.N	55833.1*	9.0	14:55:28	
75.N	55846.4*	13.3	14:57:53	
100.N	55832.6*	-13.8	14:59:44	
125.N	55841.5*	8.9	15:01:28	
150.N	55855.6*	14.1	15:05:47	
175.N	55812.7*	-42.9	15:11:08	
200.N	55847.8*	35.1	15:18:08	
225.N	55848.9*	1.1	15:19:37	
250.N	55861.0*	12.1	15:21:26	
275.N	55859.0*	-2.0	15:24:23	
300.N	55870.1*	11.1	15:25:50	
325.N	55860.2*	-9.9	15:26:53	
350.N	55871.2*	11.0	15:32:08	
375.N	55880.7*	9.5	15:36:18	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 2200.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
150.S	55798.9*		17:04:48	
125.S	55829.5*	30.6	17:03:18	
100.S	55822.7*	-6.8	17:01:23	
75.S	55834.9*	12.2	16:59:11	
50.S	55836.7*	1.8	16:56:50	
25.S	55852.5*	15.8	16:55:09	
0.	55859.8*	7.3	16:52:22	
25.N	55856.4*	-3.4	16:48:14	
50.N	55855.4*	-1.0	16:46:31	
75.N	55890.8*	35.4	16:44:42	
100.N	55864.1*	-26.7	16:42:46	
125.N	55864.0*	-0.1	16:40:43	
150.N	55878.9*	14.9	16:38:50	
175.N	55853.9*	-25.0	16:34:28	
200.N	55868.6*	14.7	16:32:39	
225.N	55880.1*	11.5	16:31:06	
250.N	55875.3*	-4.8	16:29:56	
275.N	55874.1*	-1.2	16:28:38	
300.N	55881.7*	7.6	16:27:26	
325.N	55884.3*	2.6	16:26:22	
350.N	55912.8*	28.5	16:25:02	
375.N	55910.8*	-2.0	16:23:42	
400.N	55898.5*	-12.3	16:22:10	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 2100.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	55794.1*		13:11:48	
375.S	56021.4*	227.3	13:10:26	
350.S	56459.7*	438.3	13:08:51	
325.S	55741.5*	-718.2	13:07:33	
300.S	55718.9*	-22.6	13:06:16	
275.S	55779.1*	60.2	13:05:00	
250.S	55602.2*	-176.9	13:03:56	
225.S	55728.6*	126.4	13:02:53	
200.S	55775.9*	47.3	13:01:29	
175.S	55820.7*	44.8	13:00:01	
150.S	55810.1*	-10.6	12:58:43	
125.S	55772.2*	-37.9	12:57:44	
100.S	55794.3*	22.1	12:56:51	
75.S	55789.5*	-4.8	12:54:36	
50.S	55822.3*	32.8	12:51:48	
25.S	55815.8*	-6.5	12:49:55	
0.	55832.5*	16.7	12:47:52	
25.N	55846.4*	13.9	12:46:24	
50.N	55858.7*	12.3	12:44:56	
75.N	55848.3*	-10.4	12:43:26	
100.N	55860.2*	11.9	12:40:55	
125.N	55875.9*	15.7	12:38:47	
150.N	55862.9*	-13.0	12:37:20	
175.N	55865.6*	2.7	12:35:38	
200.N	55877.9*	12.3	12:33:47	
225.N	55865.9*	-12.0	12:30:01	
250.N	55861.1*	-4.8	12:27:54	
275.N	55891.2*	30.1	12:25:33	
300.N	55862.9*	-28.3	12:23:47	
325.N	55872.8*	9.9	12:21:41	
350.N	55888.2*	15.4	12:19:59	
375.N	55886.9*	-1.3	12:18:04	
400.N	55886.6*	-0.3	12:17:09	
425.N	55883.9*	-2.7	12:16:03	
475.N	55887.8*	3.9	12:13:48	
500.N	55895.2*	7.4	12:12:46	
525.N	55891.7*	-3.5	12:07:11	
550.N	55893.0*	1.3	12:06:11	
575.N	55899.5*	6.5	12:03:49	
575.N	55889.2*	-10.3	12:10:52	
600.N	55901.9*	12.7	12:01:07	
600.N	55892.0*	-9.9	12:09:54	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 2000.W Grid: 1. Job: 8615. Date: 86/06/12 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56549.5*		10:46:15	
375.S	56198.7*	-150.8	10:47:33	
350.S	56246.3*	47.6	10:49:01	
325.S	56149.4*	-96.9	10:51:11	
300.S	56156.7*	7.3	10:52:37	
275.S	56109.0*	-47.7	10:54:09	
250.S	57385.2*	1276.2	10:55:26	
225.S	56541.3*	-843.9	10:56:51	
200.S	55414.3*	-1127.0	10:58:55	
175.S	55632.9*	218.6	11:03:59	
150.S	55697.2*	64.3	11:05:29	
125.S	55748.4*	51.2	11:08:16	
100.S	55804.3*	55.9	11:09:37	
75.S	56357.2*	552.9	11:11:10	
50.S	55817.1*	-540.1	11:12:18	
25.S	55825.5*	8.4	11:13:22	
0.	55830.9*	5.4	11:15:42	
25.N	55854.4*	23.5	11:17:49	
50.N	55882.6*	28.2	11:19:16	
75.N	55890.4*	7.8	11:20:38	
100.N	55866.9*	-23.5	11:22:20	
125.N	55897.1*	30.2	11:23:52	
150.N	55857.2*	-39.9	11:25:16	
175.N	55874.3*	17.1	11:26:53	
200.N	55861.5*	-12.8	11:28:31	
225.N	55881.6*	20.1	11:29:48	
250.N	56000.2*	118.6	11:30:59	
275.N	55874.9*	-125.3	11:32:26	
300.N	55872.7*	-2.2	11:33:45	
325.N	55883.5*	10.8	11:35:14	
350.N	55891.5*	8.0	11:36:37	
375.N	55877.9*	-13.6	11:38:18	
400.N	55887.8*	9.9	11:40:01	
425.N	55890.0*	2.2	11:41:38	
450.N	55900.7*	10.7	11:42:57	
475.N	55886.0*	-14.7	11:44:10	
500.N	55894.2*	8.2	11:45:32	
525.N	55911.1*	16.9	11:47:16	
550.N	55903.5*	-7.6	11:48:40	
575.N	55901.3*	-2.2	11:50:13	
600.N	55903.3*	2.0	11:51:32	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 1900.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56797.6*		08:25:01	
375.S	56485.5*	-312.1	08:26:25	
350.S	57384.3*	898.8	08:27:44	
325.S	56871.1*	-513.2	08:29:10	
300.S	57812.1*	941.0	08:31:20	
275.S	56820.6*	-991.5	08:32:54	
250.S	57501.8*	681.2	08:34:14	
225.S	57397.8*	-104.0	08:36:00	
212.5S	55606.5*	-1791.3	08:37:58	
200.S	55361.0*	-245.5	08:38:57	
175.S	55804.0*	443.0	08:39:59	
150.S	56049.5*	245.5	08:41:01	
125.S	55621.5*	-428.0	08:42:10	
100.S	55751.8*	130.3	08:43:31	
75.S	55795.4*	43.6	08:44:47	
50.S	55818.4*	23.0	08:45:56	
25.S	55841.0*	22.6	08:47:23	
0.	55860.0*	19.0	08:48:39	
25.N	55929.8*	69.8	08:49:46	
50.N	55885.6*	-44.2	08:51:03	
75.N	56434.2*	548.6	08:52:25	
100.N	55828.9*	-605.3	08:53:32	
125.N	55825.9*	-3.0	08:56:19	
150.N	55855.4*	29.5	08:57:54	
175.N	55871.3*	15.9	08:59:15	
200.N	55890.1*	18.8	09:00:37	
225.N	55919.3*	29.2	09:01:59	
250.N	55875.2*	-44.1	09:03:26	
275.N	55855.9*	-19.3	09:04:54	
300.N	55908.4*	52.5	09:06:27	
325.N	55893.7*	-14.7	09:08:10	
350.N	55905.2*	11.5	09:09:24	
375.N	55906.7*	1.5	09:10:40	
400.N	55917.4*	10.7	09:11:46	
425.N	55904.3*	-13.1	09:13:11	
450.N	55910.6*	6.3	09:14:25	
475.N	55921.0*	10.4	09:15:47	
500.N	55913.8*	-7.2	09:17:04	
525.N	55918.2*	4.4	09:18:28	
550.N	55916.0*	-2.2	09:20:02	
575.N	55915.0*	-1.0	09:22:13	
600.N	55905.9*	-9.1	09:23:56	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. **Uncorrected Data Ser No:412233.
Line: 1800.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Mag Fld	Change	Time	Information
400.S	56225.7*		10:31:05	
375.S	56246.9*	21.2	10:29:57	
350.S	57246.5*	999.6	10:28:27	
325.S	55789.6*	-1456.9	10:26:17	
312.5S	54115.9*	-1673.7	10:25:20	
300.S	54491.4*	375.5	10:23:47	
275.S	55238.2*	746.8	10:22:48	
250.S	55825.8*	587.6	10:21:48	
225.S	55066.7*	-759.1	10:20:51	
200.S	55459.5*	392.8	10:19:52	
175.S	55441.1*	-18.4	10:18:25	
150.S	55694.0*	252.9	10:17:16	
125.S	55697.8*	3.8	10:15:31	
100.S	55727.9*	30.1	10:14:01	
75.S	55785.4*	57.5	10:12:32	
50.S	55801.3*	15.9	10:10:51	
25.S	55811.2*	9.9	10:09:17	
0.	55820.7*	9.5	10:07:59	
25.N	55827.5*	6.8	10:06:19	
50.N	55843.0*	15.5	10:04:49	
75.N	55841.8*	-1.2	10:03:24	
100.N	55840.1*	-1.7	10:02:06	
125.N	55838.2*	-1.9	10:00:48	
150.N	55853.3*	15.1	09:59:25	
175.N	55859.7*	6.4	09:58:06	
200.N	55871.9*	12.2	09:56:30	
225.N	55888.0*	16.1	09:55:00	
250.N	55920.2*	32.2	09:53:24	
275.N	55882.1*	-38.1	09:52:12	
300.N	55859.1*	-23.0	09:50:50	
325.N	55869.9*	10.8	09:49:07	
350.N	55870.9*	1.0	09:47:41	
375.N	55875.3*	4.4	09:46:17	
400.N	55870.6*	-4.7	09:44:36	
425.N	55894.0*	23.4	09:43:01	
450.N	55925.2*	31.2	09:41:36	
475.N	55916.9*	-8.3	09:39:31	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNLK06.DAT)

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 2300.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
250.S	22	-1	150.00	14:30:53
225.S	20	-2	146.00	14:32:28
200.S	19	-3	144.00	14:34:27
175.S	22	-3	142.00	14:36:48
150.S	24	-0	137.00	14:39:16
125.S	24	1	140.00	14:40:57
100.S	25	5	142.00	14:42:56
75.S	24	6	148.00	14:45:36
50.S	24	5	154.00	14:47:58
25.S	19	4	162.00	14:49:56
0.	16	2	159.00	14:52:02
25.N	12	-0	159.00	14:53:33
50.N	10	0	149.00	14:55:43
75.N	16	3	146.00	14:58:12
100.N	18	4	149.00	14:59:59
125.N	18	3	147.00	15:01:44
150.N	19	4	148.00	15:06:07
175.N	19	4	145.00	15:11:24
200.N	20	6	146.00	15:18:24
225.N	22	7	144.00	15:19:53
250.N	24	8	148.00	15:21:43
275.N	27	9	152.00	15:24:37
300.N	26	7	157.00	15:26:08
325.N	23	7	164.00	15:27:11
350.N	22	6	165.00	15:32:27
375.N	18	3	167.00	15:36:36

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 2200.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
150.S	21	1	143.00	17:05:05
125.S	22	2	148.00	17:03:37
100.S	23	4	151.00	17:01:42
75.S	26	8	158.00	16:59:29
50.S	24	6	160.00	16:57:14
25.S	22	6	163.00	16:55:29
0.	17	2	158.00	16:52:36
25.N	16	1	155.00	16:48:30
50.N	15	0	162.00	16:46:48
75.N	15	0	158.00	16:44:59
100.N	19	4	154.00	16:43:04
125.N	22	4	160.00	16:40:59
150.N	20	2	161.00	16:39:06
175.N	19	1	156.00	16:34:43
200.N	23	4	153.00	16:33:00
225.N	22	5	155.00	16:31:20
250.N	22	6	159.00	16:30:11
275.N	23	5	162.00	16:28:55
300.N	25	5	163.00	16:27:40
325.N	22	5	168.00	16:26:38
350.N	22	2	167.00	16:25:19
375.N	22	4	165.00	16:23:58
400.N	23	4	163.00	16:22:29

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 2100.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	24	2	144.00	13:12:04
375.S	20	0	143.00	13:10:45
350.S	20	0	145.00	13:09:14
325.S	20	-1	142.00	13:07:52
300.S	19	-3	149.00	13:06:36
275.S	18	-2	149.00	13:05:16
250.S	16	-6	148.00	13:04:14
225.S	17	-7	139.00	13:03:10
200.S	18	-7	144.00	13:01:49
175.S	20	-4	139.00	13:00:19
150.S	19	-2	140.00	12:59:01
125.S	23	-1	141.00	12:58:01
100.S	22	0	140.00	12:57:08
75.S	22	3	141.00	12:54:54
50.S	23	5	143.00	12:52:06
25.S	23	4	146.00	12:50:13
0.	24	5	151.00	12:48:15
25.N	24	3	147.00	12:46:40
50.N	22	2	147.00	12:45:15
75.N	22	0	146.00	12:43:49
100.N	21	0	146.00	12:41:13
125.N	22	0	144.00	12:39:02
150.N	23	2	145.00	12:37:37
175.N	24	3	148.00	12:35:56
200.N	23	1	151.00	12:34:03
225.N	25	3	148.00	12:30:19
250.N	27	3	151.00	12:28:11
275.N	23	2	152.00	12:25:51
300.N	25	3	165.00	12:24:05
325.N	21	0	163.00	12:21:58
350.N	20	0	158.00	12:20:19
375.N	22	1	161.00	12:18:22
400.N	20	3	157.00	12:17:26
425.N	22	3	167.00	12:16:32
475.N	14	-5	163.00	12:14:06
500.N	16	-0	158.00	12:13:05
525.N	21	8	161.00	12:07:28
550.N	20	10	160.00	12:06:26
575.N	19	10	165.00	12:04:07
575.N	18	2	158.00	12:11:10
600.N	20	13	167.00	12:01:28
600.N	21	5	150.00	12:10:14

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 2000.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	17	-3	145.00	10:46:40
375.S	17	-2	144.00	10:47:50
350.S	19	-2	143.00	10:49:18
325.S	20	-0	145.00	10:51:34
300.S	19	-0	144.00	10:52:57
275.S	18	-3	145.00	10:54:26
250.S	20	-6	140.00	10:55:44
225.S	21	-5	139.00	10:57:09
200.S	22	-6	141.00	10:59:15
175.S	21	-4	143.00	11:04:17
150.S	23	-1	141.00	11:05:49
125.S	23	1	145.00	11:08:32
100.S	22	0	146.00	11:09:55
75.S	24	1	148.00	11:11:29
50.S	25	2	144.00	11:12:39
25.S	25	3	147.00	11:13:45
0.	23	1	151.00	11:15:57
25.N	20	1	150.00	11:18:06
50.N	22	-0	148.00	11:19:34
75.N	20	-3	146.00	11:20:56
100.N	20	-0	145.00	11:22:37
125.N	22	0	141.00	11:24:11
150.N	23	1	141.00	11:25:33
175.N	25	3	146.00	11:27:12
200.N	27	3	147.00	11:28:54
225.N	27	4	150.00	11:30:03
250.N	23	3	151.00	11:31:18
275.N	25	4	153.00	11:32:47
300.N	24	1	157.00	11:34:00
325.N	23	-0	160.00	11:35:33
350.N	19	-2	158.00	11:36:53
375.N	17	-0	156.00	11:38:36
400.N	20	-0	157.00	11:40:19
425.N	21	0	154.00	11:41:56
450.N	19	0	162.00	11:43:14
475.N	14	-6	161.00	11:44:24
500.N	16	-3	155.00	11:45:49
525.N	19	0	151.00	11:47:43
550.N	19	0	151.00	11:48:58
575.N	18	3	152.00	11:50:32
600.N	21	5	156.00	11:51:48

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1900.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	19	-3	151.00	08:25:25
375.S	18	-3	149.00	08:26:41
350.S	19	-3	150.00	08:28:04
325.S	21	-2	151.00	08:29:30
300.S	22	-3	149.00	08:31:43
275.S	21	-4	150.00	08:33:14
250.S	22	-4	146.00	08:34:37
225.S	23	-4	144.00	08:36:20
212.5S	23	-4	149.00	08:38:19
200.S	24	-4	150.00	08:39:15
175.S	25	-3	147.00	08:40:19
150.S	27	-2	148.00	08:41:23
125.S	28	-2	152.00	08:42:31
100.S	26	-1	155.00	08:43:45
75.S	26	-1	156.00	08:45:05
50.S	23	-4	159.00	08:46:27
25.S	21	-4	159.00	08:47:45
0.	23	-5	160.00	08:48:56
25.N	21	-3	156.00	08:50:06
50.N	21	-5	160.00	08:51:20
75.N	22	-5	156.00	08:52:43
100.N	22	-5	155.00	08:54:03
125.N	22	-3	150.00	08:56:36
150.N	24	-2	155.00	08:58:12
175.N	27	-1	157.00	08:59:40
200.N	27	1	164.00	09:00:53
225.N	24	-1	164.00	09:02:16
250.N	25	-0	167.00	09:03:40
275.N	21	-1	173.00	09:05:09
300.N	17	-3	178.00	09:06:44
325.N	14	-6	171.00	09:08:27
350.N	16	-6	172.00	09:09:41
375.N	15	-7	165.00	09:10:58
400.N	14	-5	162.00	09:12:04
425.N	19	-4	159.00	09:13:29
450.N	16	-5	164.00	09:14:40
475.N	13	-7	161.00	09:16:04
500.N	15	-4	160.00	09:17:21
525.N	18	-3	161.00	09:18:43
550.N	18	-0	159.00	09:20:19
575.N	19	0	164.00	09:22:31
600.N	19	-0	164.00	09:24:16

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #1 24.8KHz
Line: 1800.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	21	-3	153.00	10:31:24
375.S	19	-3	152.00	10:30:12
350.S	22	-2	150.00	10:28:46
325.S	20	-5	148.00	10:26:39
312.5S	22	-5	150.00	10:25:41
300.S	18	-6	152.00	10:24:10
275.S	20	-6	152.00	10:23:06
250.S	20	-5	150.00	10:22:06
225.S	21	-4	147.00	10:21:09
200.S	23	-3	149.00	10:20:11
175.S	22	-2	149.00	10:18:52
150.S	22	-2	157.00	10:17:35
125.S	21	-5	159.00	10:16:04
100.S	18	-6	157.00	10:14:15
75.S	16	-6	161.00	10:12:49
50.S	17	-7	158.00	10:11:09
25.S	16	-6	157.00	10:09:34
0.	17	-7	154.00	10:08:17
25.N	18	-5	151.00	10:06:36
50.N	18	-4	151.00	10:05:05
75.N	20	-2	146.00	10:03:42
100.N	23	1	145.00	10:02:24
125.N	25	1	149.00	10:01:06
150.N	27	3	154.00	09:59:44
175.N	26	3	160.00	09:58:24
200.N	24	1	165.00	09:56:51
225.N	20	0	173.00	09:55:25
250.N	16	-2	178.00	09:53:39
275.N	14	-5	180.00	09:52:30
300.N	7	-8	180.00	09:51:05
325.N	2	-10	171.00	09:49:23
350.N	0	-12	166.00	09:47:59
375.N	2	-12	161.00	09:46:34
400.N	2	-12	153.00	09:44:55
425.N	4	-9	152.00	09:43:23
450.N	11	-7	152.00	09:41:54
475.N	12	-5	152.00	09:39:50

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNPM06.DAT)

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 2300.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
250.S	24	21	9.07	14:31:11
225.S	24	21	8.88	14:32:48
200.S	23	21	8.98	14:34:44
175.S	22	21	9.18	14:37:04
150.S	21	20	9.35	14:39:32
125.S	19	17	9.43	14:41:10
100.S	22	15	9.58	14:43:09
75.S	22	15	9.81	14:45:50
50.S	24	15	10.50	14:48:15
25.S	25	15	10.30	14:50:10
0.	28	17	10.30	14:52:19
25.N	34	21	10.20	14:54:10
50.N	36	24	9.94	14:56:16
75.N	38	23	9.81	14:58:34
100.N	34	21	9.74	15:00:16
125.N	35	18	9.78	15:01:58
150.N	34	19	9.80	15:06:46
175.N	35	20	9.50	15:11:41
200.N	38	19	9.74	15:18:40
225.N	37	21	9.55	15:20:08
250.N	37	17	10.00	15:21:59
275.N	34	15	10.10	15:24:53
300.N	31	14	10.00	15:26:25
325.N	34	15	10.10	15:27:25
350.N	32	15	10.20	15:32:41
375.N	35	15	10.30	15:36:51

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 2200.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
150.S	26	25	8.91	17:05:19
125.S	23	22	9.22	17:03:53
100.S	22	19	9.40	17:01:55
75.S	19	19	9.36	17:01:05
50.S	22	16	9.56	16:57:38
25.S	22	15	10.10	16:55:46
0.	21	15	10.50	16:52:50
25.N	26	14	10.60	16:48:43
50.N	26	18	10.50	16:47:01
75.N	28	17	10.20	16:45:12
100.N	25	17	10.40	16:43:15
125.N	29	17	10.60	16:41:12
150.N	29	18	10.40	16:39:19
175.N	31	18	10.30	16:34:59
200.N	27	16	10.50	16:33:14
225.N	29	15	10.50	16:31:36
250.N	27	14	10.40	16:30:25
275.N	25	15	10.50	16:29:08
300.N	26	15	10.80	16:27:53
325.N	28	15	10.60	16:26:51
350.N	29	15	10.70	16:25:32
375.N	27	14	10.70	16:24:12
400.N	26	14	9.81	16:22:44

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 2100.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	15	13	11.20	13:12:18
375.S	18	14	10.60	13:10:58
350.S	19	15	10.90	13:09:32
325.S	19	16	10.70	13:08:07
300.S	19	17	10.60	13:06:56
275.S	20	18	10.70	13:05:35
250.S	19	20	10.60	13:04:28
225.S	18	19	10.60	13:03:26
200.S	20	18	10.60	13:02:02
175.S	18	18	11.00	13:00:34
150.S	16	18	10.80	12:59:17
125.S	17	18	10.50	12:58:14
100.S	16	17	10.60	12:57:23
75.S	18	18	10.50	12:55:10
50.S	16	16	10.30	12:52:20
25.S	18	16	10.20	12:50:29
0.	15	14	10.30	12:48:32
25.N	16	12	10.60	12:46:54
50.N	17	12	10.60	12:45:29
75.N	17	13	10.70	12:44:04
100.N	17	14	10.60	12:41:30
125.N	21	15	10.50	12:39:15
150.N	22	13	10.50	12:37:55
175.N	22	13	10.90	12:36:13
200.N	23	16	10.60	12:34:20
225.N	26	17	10.40	12:30:37
250.N	26	15	10.30	12:28:26
275.N	22	16	10.40	12:26:07
300.N	19	15	10.40	12:24:21
325.N	19	15	10.30	12:22:15
350.N	19	15	10.40	12:20:36
375.N	15	13	10.80	12:18:35
400.N	13	12	10.80	12:17:35
425.N	13	11	10.80	12:16:45
475.N	13	12	10.80	12:14:19
500.N	12	10	10.80	12:13:19
525.N	9	9	10.80	12:07:45
550.N	6	7	10.80	12:06:42
575.N	11	8	10.70	12:04:24
575.N	9	10	10.80	12:11:23
600.N	11	7	10.50	12:01:49
600.N	10	10	10.50	12:10:27

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 2000.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	7	7	7.17	10:46:57
375.S	3	7	7.19	10:48:03
350.S	4	6	7.22	10:49:34
325.S	4	7	7.35	10:51:51
300.S	5	6	7.35	10:53:10
275.S	5	7	7.54	10:54:42
250.S	8	10	7.52	10:55:58
225.S	6	10	7.49	10:57:25
200.S	7	12	7.71	10:59:29
175.S	10	13	7.68	11:04:30
150.S	7	12	7.83	11:06:03
125.S	7	11	7.98	11:08:52
100.S	11	11	7.88	11:10:13
75.S	9	11	8.13	11:11:42
50.S	8	8	8.24	11:12:54
25.S	7	9	8.04	11:14:01
0.	9	10	8.09	11:16:12
25.N	7	9	8.10	11:18:19
50.N	9	7	8.30	11:19:48
75.N	9	9	8.46	11:21:08
100.N	7	8	8.27	11:22:50
125.N	6	7	8.37	11:24:26
150.N	6	6	8.40	11:25:46
175.N	9	7	8.72	11:27:25
200.N	8	7	8.79	11:29:12
225.N	7	5	9.06	11:30:19
250.N	8	6	9.15	11:31:35
275.N	8	6	9.10	11:33:00
300.N	9	8	9.22	11:34:15
325.N	7	8	9.30	11:35:52
350.N	4	8	9.34	11:37:08
375.N	6	11	9.43	11:38:50
400.N	7	12	9.58	11:40:33
425.N	3	7	10.30	11:42:16
450.N	2	7	10.20	11:43:28
475.N	0	8	10.20	11:44:41
500.N	1	8	10.20	11:46:12
525.N	0	7	10.10	11:48:04
550.N	1	6	9.84	11:49:22
575.N	-1	7	9.75	11:50:46
600.N	-0	6	9.66	11:52:09

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1900.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	0	1	5.11	08:25:46
375.S	-2	1	5.54	08:26:55
350.S	-4	2	5.58	08:28:18
325.S	-2	2	5.65	08:29:45
300.S	-5	1	5.77	08:31:58
275.S	-4	0	5.95	08:33:28
250.S	-8	0	5.83	08:34:53
225.S	-7	0	6.06	08:36:35
212.5S	-8	0	6.21	08:38:32
200.S	-9	0	6.24	08:39:29
175.S	-5	0	6.14	08:40:34
150.S	-4	1	6.34	08:41:41
125.S	-5	0	6.42	08:42:46
100.S	-6	0	6.29	08:44:02
75.S	-8	-1	6.42	08:45:18
50.S	-6	0	6.37	08:46:38
25.S	-9	-1	6.43	08:47:59
0.	-6	-2	6.49	08:49:10
25.N	-9	-3	6.41	08:50:25
50.N	-10	-4	6.39	08:51:36
75.N	-7	-5	6.39	08:52:58
100.N	-7	-2	6.31	08:54:17
125.N	-9	-4	6.31	08:56:50
150.N	-10	-5	6.39	08:58:26
175.N	-11	-4	6.43	08:59:53
200.N	-12	-3	6.45	09:01:06
225.N	-12	-4	6.38	09:02:28
250.N	-10	-4	6.30	09:03:55
275.N	-13	-4	6.24	09:05:23
300.N	-15	-6	6.26	09:06:58
325.N	-15	-6	6.19	09:08:46
350.N	-17	-5	6.14	09:10:07
375.N	-18	-5	5.97	09:11:12
400.N	-18	-5	6.21	09:12:16
425.N	-21	-5	6.15	09:13:46
450.N	-24	-4	6.19	09:14:55
475.N	-21	-4	6.15	09:16:22
500.N	-22	-3	6.06	09:17:39
525.N	-21	-3	6.05	09:18:58
550.N	-25	-5	6.08	09:20:44
575.N	-24	-5	6.18	09:22:50
600.N	-23	-4	6.05	09:24:36

SCINTREX V1.6 VLF M-Field R1.4 Ser No:412233.
VLF #2 23.4KHz
Line: 1800.W Grid: 1. Job: 8615. Date: 86/06/13 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld	Information
400.S	-16	-11	6.54	10:31:38
375.S	-17	-11	6.50	10:30:25
350.S	-17	-11	6.48	10:28:59
325.S	-16	-10	6.34	10:26:52
312.5S	-16	-11	6.42	10:25:56
300.S	-19	-12	6.44	10:24:24
275.S	-15	-13	6.32	10:23:23
250.S	-19	-12	6.30	10:22:23
225.S	-19	-13	6.24	10:21:23
200.S	-19	-12	6.30	10:20:24
175.S	-21	-13	6.27	10:19:05
150.S	-24	-14	6.27	10:17:49
125.S	-26	-16	6.27	10:16:19
100.S	-23	-16	6.21	10:14:28
75.S	-22	-15	6.21	10:13:04
50.S	-17	-14	6.22	10:11:25
25.S	-18	-13	6.21	10:09:49
0.	-17	-12	6.17	10:08:30
25.N	-13	-13	5.96	10:06:55
50.N	-17	-13	6.10	10:05:21
75.N	-16	-13	6.07	10:03:55
100.N	-14	-13	6.05	10:02:39
125.N	-16	-11	6.07	10:01:24
150.N	-22	-12	6.13	10:00:00
175.N	-20	-10	6.06	09:58:39
200.N	-21	-11	6.07	09:57:08
225.N	-24	-12	5.99	09:55:42
250.N	-20	-8	5.99	09:53:54
275.N	-20	-8	5.93	09:52:49
300.N	-21	-8	5.89	09:51:21
325.N	-24	-10	5.78	09:49:40
350.N	-25	-14	5.71	09:48:12
375.N	-28	-13	5.55	09:46:52
400.N	-29	-12	5.45	09:45:08
425.N	-31	-10	5.30	09:43:38
450.N	-29	-10	5.22	09:42:12
475.N	-33	-8	5.30	09:40:25

(DATA FILED ON DISK IN : B:MAG07.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2600.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55904.2		11:23:20	
250.S	55702.2	-202.0	11:22:12	
225.S	55693.7	-8.5	11:20:44	
200.S	55760.6	66.9	11:16:01	
175.S	55721.7	-38.9	11:14:47	
150.S	55747.7	26.0	11:13:47	
125.S	55795.7	48.0	11:12:19	
100.S	55782.9	-12.8	11:10:26	
75.S	55813.5	30.6	11:07:17	
50.S	55839.6	26.1	11:00:02	
25.S	55791.4	-48.2	10:57:11	
0.	55784.1	-7.3	10:55:18	
25.N	55788.1	4.0	10:53:28	
50.N	55792.2	4.1	10:51:55	
75.N	55802.1	9.9	10:48:08	
100.N	55807.2	5.1	10:46:00	
125.N	55836.5	29.3	10:43:54	
150.N	55830.6	-5.9	10:40:32	
175.N	55829.5	-1.1	09:52:08	
200.N	55823.5	-6.0	09:53:19	
225.N	55828.2	4.7	09:54:43	
250.N	55842.8	14.6	09:58:17	
275.N	55835.3	-7.5	10:00:50	
300.N	55843.1	7.8	10:02:38	
325.N	55847.3	4.2	10:05:01	
350.N	55845.6	-1.7	10:07:32	
375.N	55844.4	-1.2	10:09:43	
400.N	56017.2	172.8	10:15:49	
425.N	55852.0	-165.2	10:18:28	
450.N	55962.7	110.7	10:21:31	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2500.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
50.S	55855.0		08:50:37	
25.S	55833.7	-21.3	08:48:32	
0.	55797.2	-36.5	08:46:42	
25.N	55812.8	15.6	08:45:03	
50.N	55812.7	-0.1	08:42:59	
75.N	55816.5	3.8	08:41:39	
100.N	55820.8	4.3	08:38:38	
125.N	55831.2	10.4	08:36:35	
150.N	55838.5	7.3	08:34:49	
175.N	55836.0	-2.5	08:33:11	
200.N	55848.2	12.2	08:31:02	
225.N	55841.8	-6.4	08:29:00	
250.N	55851.9	10.1	08:27:00	
275.N	55849.3	-2.6	08:23:37	
300.N	55641.2	-208.1	08:20:01	
325.N	55879.3	238.1	08:17:21	
350.N	55867.5	-11.8	08:14:20	
375.N	55869.5	2.0	08:12:15	
400.N	55895.8	26.3	08:09:53	
425.N	55866.6	-29.2	08:08:14	
450.N	55881.0	14.4	08:05:33	
475.N	55886.7	5.7	08:03:42	
500.N	55900.5	13.8	08:02:17	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2400.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55786.8		09:34:25	
300.S	55794.0	7.2	09:32:35	
275.S	55805.2	11.2	09:30:26	
250.S	55809.5	4.3	09:27:51	
225.S	55804.0	-5.5	09:25:13	
200.S	55812.9	8.9	09:22:18	
175.S	55897.7	84.8	09:20:00	
150.S	55800.4	-97.3	09:18:10	
125.S	55819.4	19.0	09:16:36	
75.S	55845.4	26.0	06:26:00	
50.S	55839.2	-6.2	06:27:49	
25.S	55833.4	-5.8	06:30:41	
0.	55833.7	0.3	06:32:55	
25.N	55818.1	-15.6	06:34:56	
50.N	55828.4	10.3	06:37:41	
75.N	55819.0	-9.4	06:39:31	
100.N	55828.8	9.8	06:41:59	
125.N	55841.7	12.9	06:43:20	
150.N	55809.7	-32.0	06:45:21	
175.N	55849.2	39.5	06:48:42	
200.N	55852.3	3.1	06:51:42	
225.N	55862.0	9.7	06:53:55	
250.N	55881.2	19.2	06:56:23	
275.N	55188.8	-692.4	06:58:31	
300.N	55864.2	675.4	07:01:22	
325.N	55876.0	11.8	07:03:26	
350.N	55889.4	13.4	07:05:30	
375.N	55901.6	12.2	07:08:22	
400.N	55894.5	-7.1	07:10:05	
425.N	55885.9	-8.6	07:12:18	
450.N	55903.6	17.7	07:14:56	
475.N	55901.4	-2.2	07:18:11	
500.N	55909.4	8.0	07:19:51	
525.N	55902.1	-7.3	07:21:33	
550.N	55897.3	-4.8	07:24:15	
575.N	55910.1	12.8	07:28:11	
600.N	55909.5	-0.6	07:29:24	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:UNCOR07.DAT)

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2600.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
275.S	55875.8*		11:23:20	
250.S	55674.1*	-201.7	11:22:12	
225.S	55666.0*	-8.1	11:20:44	
200.S	55732.4*	66.4	11:16:01	
175.S	55693.5*	-38.9	11:14:47	
150.S	55719.6*	26.1	11:13:47	
125.S	55767.5*	47.9	11:12:19	
100.S	55755.2*	-12.3	11:10:26	
75.S	55786.0*	30.8	11:07:17	
50.S	55814.5*	28.5	11:00:02	
25.S	55767.0*	-47.5	10:57:11	
0.	55760.5*	-6.5	10:55:18	
25.N	55765.1*	4.6	10:53:28	
50.N	55769.8*	4.7	10:51:55	
75.N	55780.2*	10.4	10:48:08	
100.N	55785.6*	5.4	10:46:00	
125.N	55815.0*	29.4	10:43:54	
150.N	55809.3*	-5.7	10:40:32	
175.N	55813.7*	4.4	09:52:08	
200.N	55807.6*	-6.1	09:53:19	
225.N	55812.4*	4.8	09:54:43	
250.N	55825.5*	13.1	09:58:17	
275.N	55817.4*	-8.1	10:00:50	
300.N	55825.0*	7.6	10:02:38	
325.N	55829.0*	4.0	10:05:01	
350.N	55827.0*	-2.0	10:07:32	
375.N	55825.1*	-1.9	10:09:43	
400.N	55998.5*	173.4	10:15:49	
425.N	55833.5*	-165.0	10:18:28	
450.N	55944.1*	110.6	10:21:31	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2500.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
50.S	55848.0*		08:50:37	
25.S	55826.0*	-22.0	08:48:32	
0.	55790.6*	-35.4	08:46:42	
25.N	55806.4*	15.8	08:45:03	
50.N	55806.7*	0.3	08:42:59	
75.N	55810.5*	3.8	08:41:39	
100.N	55814.5*	4.0	08:38:38	
125.N	55825.6*	11.1	08:36:35	
150.N	55833.7*	8.1	08:34:49	
175.N	55831.6*	-2.1	08:33:11	
200.N	55843.4*	11.8	08:31:02	
225.N	55836.8*	-6.6	08:29:00	
250.N	55846.7*	9.9	08:27:00	
275.N	55845.4*	-1.3	08:23:37	
300.N	55636.1*	-209.3	08:20:01	
325.N	55874.5*	238.4	08:17:21	
350.N	55863.1*	-11.4	08:14:20	
375.N	55864.9*	1.8	08:12:15	
400.N	55892.1*	27.2	08:09:53	
425.N	55863.1*	-29.0	08:08:14	
450.N	55877.9*	14.8	08:05:33	
475.N	55883.8*	5.9	08:03:42	
500.N	55897.9*	14.1	08:02:17	

SCINTREX V1.6 Magnetometer R1.7
Base Field: 55800. *=Uncorrected Data Ser No:412233.
Line: 2400.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Mag Fld	Change	Time	Information
325.S	55774.7*		09:34:25	
300.S	55781.9*	7.2	09:32:35	
275.S	55793.4*	11.5	09:30:26	
250.S	55798.7*	5.3	09:27:51	
225.S	55793.4*	-5.3	09:25:13	
200.S	55802.2*	8.8	09:22:18	
175.S	55887.1*	84.9	09:20:00	
150.S	55790.7*	-96.4	09:18:10	
125.S	55809.6*	18.9	09:16:36	
75.S	55843.6*	34.0	06:26:00	
50.S	55836.4*	-7.2	06:27:49	
25.S	55831.2*	-5.2	06:30:41	
0.	55831.4*	0.2	06:32:55	
25.N	55816.6*	-14.8	06:34:56	
50.N	55827.2*	10.6	06:37:41	
75.N	55818.4*	-8.8	06:39:31	
100.N	55828.9*	10.5	06:41:59	
125.N	55841.8*	12.9	06:43:20	
150.N	55810.4*	-31.4	06:45:21	
175.N	55849.9*	39.5	06:48:42	
200.N	55852.3*	2.4	06:51:42	
225.N	55862.1*	9.8	06:53:55	
250.N	55881.0*	18.9	06:56:23	
275.N	55188.6*	-692.4	06:58:31	
300.N	55864.4*	675.8	07:01:22	
325.N	55876.5*	12.1	07:03:26	
350.N	55889.8*	13.3	07:05:30	
375.N	55902.6*	12.8	07:08:22	
400.N	55895.7*	-6.9	07:10:05	
425.N	55886.9*	-8.8	07:12:18	
450.N	55904.2*	17.3	07:14:56	
475.N	55902.5*	-1.7	07:18:11	
500.N	55910.9*	8.4	07:19:51	
525.N	55904.2*	-6.7	07:21:33	
550.N	55899.5*	-4.7	07:24:15	
575.N	55911.2*	11.7	07:28:11	
600.N	55910.3*	-0.9	07:29:24	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNLK07.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2600.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
75.S	11	5	169.00	11:04:37	
25.S	6	1	172.00	10:57:29	
0.	5	2	158.00	10:55:41	
25.N	4	0	146.00	10:53:46	
50.N	7	1	139.00	10:52:18	
75.N	10	4	142.00	10:48:24	
100.N	13	6	138.00	10:46:20	
125.N	13	3	138.00	10:44:12	
150.N	15	4	138.00	10:40:51	
175.N	18	4	141.00	09:52:29	
200.N	20	5	143.00	09:53:35	
225.N	16	4	143.00	09:55:01	
250.N	20	3	147.00	09:58:34	
275.N	18	2	152.00	10:01:07	
300.N	19	4	150.00	10:02:56	
325.N	19	5	156.00	10:05:19	
350.N	20	5	164.00	10:07:46	
375.N	16	4	171.00	10:10:01	
400.N	11	4	162.00	10:16:08	
425.N	14	5	163.00	10:18:47	

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2500.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
50.S	17	7	179.00	08:50:56	
25.S	11	4	179.00	08:48:50	
0.	5	1	174.00	08:47:02	
25.N	3	0	161.00	08:45:18	
50.N	8	3	156.00	08:43:18	
75.N	7	4	144.00	08:41:57	
100.N	10	3	154.00	08:38:56	
125.N	12	5	148.00	08:36:52	
150.N	14	6	150.00	08:35:06	
175.N	16	6	148.00	08:33:30	
200.N	18	8	148.00	08:31:19	
225.N	20	8	152.00	08:29:14	
250.N	20	7	158.00	08:27:19	
275.N	21	6	159.00	08:23:54	
300.N	22	7	167.00	08:20:20	
325.N	20	8	165.00	08:17:39	
350.N	21	6	178.00	08:14:42	
375.N	15	3	173.00	08:12:31	
400.N	16	5	172.00	08:10:10	
425.N	16	4	167.00	08:08:28	
450.N	13	5	166.00	08:05:48	
475.N	14	8	170.00	08:03:59	
500.N	16	9	169.00	08:02:35	

SCINTREX V1.6 VLF M-Field R1.4
VLF #1 24.8KHz Ser No:412233.
Line: 2400.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
325.S	23	-2	154.00	09:34:43	
300.S	22	-4	151.00	09:32:50	
275.S	19	-3	143.00	09:30:41	
250.S	25	0	144.00	09:28:05	
225.S	20	-0	153.00	09:25:30	
200.S	21	-1	147.00	09:22:37	
175.S	24	-0	144.00	09:20:17	
150.S	27	5	155.00	09:18:24	
125.S	21	3	156.00	09:16:54	
75.S	19	3	145.00	06:26:21	
50.S	19	4	150.00	06:28:06	
25.S	18	4	149.00	06:30:59	
0.	14	1	160.00	06:33:11	
25.N	9	-1	151.00	06:35:18	
50.N	13	1	141.00	06:37:59	
75.N	14	3	142.00	06:39:48	
100.N	15	3	148.00	06:42:16	
125.N	13	2	143.00	06:43:37	
150.N	15	4	137.00	06:45:37	
175.N	19	6	138.00	06:48:59	
200.N	22	7	138.00	06:51:58	
225.N	25	7	144.00	06:54:12	
250.N	24	9	147.00	06:56:40	
275.N	24	10	152.00	06:58:49	
300.N	25	9	155.00	07:01:43	
325.N	22	6	164.00	07:03:45	
350.N	20	3	168.00	07:05:44	
375.N	21	7	156.00	07:08:37	
400.N	21	7	168.00	07:10:20	
425.N	18	4	169.00	07:12:36	
450.N	20	4	164.00	07:15:12	
475.N	20	5	167.00	07:18:29	
500.N	18	7	166.00	07:20:09	
525.N	21	8	171.00	07:21:52	
550.N	17	8	177.00	07:24:34	
575.N	18	12	179.00	07:28:34	
600.N	17	12	178.00	07:29:42	

**** IGS MEMORY DUMP ****

(DATA FILED ON DISK IN : B:VLFNPM07.DAT)

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2600.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
50.S	27	18	4.34	11:04:09	
25.S	31	18	4.28	10:57:46	
0.	30	18	4.27	10:55:54	
25.N	32	21	4.12	10:54:01	
50.N	38	25	3.78	10:52:37	
75.N	37	25	3.82	10:48:38	
100.N	34	21	3.86	10:46:36	
125.N	33	22	3.92	10:44:29	
150.N	30	19	3.92	10:41:05	
175.N	22	17	3.46	09:52:45	
200.N	22	16	3.45	09:53:54	
225.N	23	20	3.39	09:55:15	
250.N	27	22	3.41	09:58:55	
275.N	24	21	3.53	10:01:25	
300.N	26	23	3.54	10:03:13	
325.N	22	17	3.62	10:05:35	
350.N	28	21	3.64	10:08:01	
375.N	29	21	3.71	10:10:16	
400.N	32	17	3.82	10:16:38	
425.N	31	18	3.90	10:19:01	

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2500.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
50.S	30	20	3.66	08:51:11	
25.S	32	20	3.63	08:49:05	
0.	39	20	3.65	08:47:20	
25.N	37	23	3.46	08:45:32	
50.N	33	22	3.43	08:43:32	
75.N	36	24	3.26	08:42:12	
100.N	45	29	3.16	08:39:22	
125.N	39	23	3.18	08:37:19	
150.N	35	24	3.23	08:35:21	
175.N	31	24	3.09	08:33:42	
200.N	32	23	3.15	08:31:37	
225.N	26	19	3.06	08:29:30	
250.N	29	21	3.12	08:27:31	
275.N	31	24	2.93	08:24:13	
300.N	25	23	2.97	08:20:34	
325.N	29	24	2.71	08:18:02	
350.N	26	25	2.29	08:15:00	
375.N	30	25	2.18	08:12:48	
400.N	24	20	2.07	08:10:42	
425.N	32	29	1.83	08:08:47	
450.N	26	25	1.51	08:06:04	
475.N	27	19	1.52	08:04:14	
500.N	27	18	1.54	08:02:53	

SCINTREX V1.6 VLF M-Field R1.4
VLF #2 23.4KHz Ser No:412233.
Line: 2400.W Grid: 1. Job: 8615. Date: 86/06/14 Operator: 2.

Station	Vert IP	Vert Q	Hor Fld		Information
325.S	30	24	4.06	09:35:01	
300.S	27	26	4.00	09:33:07	
275.S	25	24	4.06	09:30:58	
250.S	24	22	4.09	09:28:20	
225.S	27	25	4.10	09:25:47	
200.S	24	25	4.22	09:22:50	
175.S	22	24	4.27	09:20:32	
150.S	21	18	4.24	09:18:40	
125.S	20	19	4.26	09:17:08	
75.S	20	15	9.49	06:26:42	
50.S	23	14	9.50	06:28:25	
25.S	25	13	9.21	06:31:13	
0.	30	17	9.29	06:33:32	
25.N	37	24	8.77	06:35:50	
50.N	40	22	8.58	06:38:18	
75.N	35	21	8.57	06:40:05	
100.N	35	20	8.73	06:42:32	
125.N	34	22	8.71	06:43:53	
150.N	37	21	8.40	06:45:53	
175.N	37	22	8.02	06:49:15	
200.N	37	21	7.90	06:52:18	
225.N	34	19	7.72	06:54:28	
250.N	32	17	7.53	06:56:55	
275.N	33	22	6.67	06:59:05	
300.N	31	14	6.18	07:02:02	
325.N	35	22	5.36	07:04:04	
350.N	38	22	5.17	07:06:16	
375.N	37	19	4.24	07:08:54	
400.N	42	26	4.06	07:10:43	
425.N	32	20	3.62	07:12:59	
450.N	33	29	3.03	07:15:31	
475.N	31	25	2.01	07:18:51	
500.N	36	36	1.75	07:20:56	
525.N	36	29	1.76	07:22:12	
550.N	26	26	1.84	07:24:54	
575.N	30	27	1.51	07:28:56	
600.N	36	29	1.58	07:30:07	