

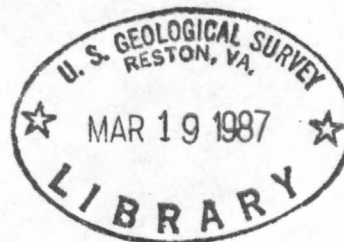
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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Preliminary Inversions and Principal Facts
for Direct-Current Soundings
Kilauea Volcano, Hawai'i

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by
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Open-file report
(Geological Survey
(U.S.G.S.))

Open-File Report 87-56

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. The use of trade names is solely for descriptive purposes and does not imply endorsement by the Geological Survey.

1986

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INTRODUCTION

Beginning in 1974 a collection of direct-current Schlumberger soundings (VES) was begun on Kilauea Volcano. To date (June 1986) 40 soundings have been made on Kilauea and 3 more (VES 24, 35, and 37) were made northwest of the surface boundary of Kilauea and Mauna Loa volcanoes (fig. 1). These data are part of a larger collection of other geophysical data, including electromagnetic, aeromagnetic and gravity surveys, that will be used to study the hydrogeology of Kilauea. This report shows preliminary inversions of the Schlumberger sounding data using a program by Anderson, 1979, that was modified by one of the authors (Kauahikaua) for automatic inversion at 3 layers per log cycle of AB/2 values.

While these solutions give only rough approximations of the resistivity distributions with depth, they show that (in most places in the summit, rift zones, and Koa'e fault system) a low resistivity electric basement occurs at shallow depth. Correlation of the sounding interpretations with electric log data (Zablocki, 1974) from a research well (located about 1 km south of Halemaumau) indicates that the top of the low resistivity electric basement corresponds to the top of the water table, which occurs at 725 m above sea level in the research well.

The presence of a high level water table suggests that impermeable lateral boundaries, probably nearly vertical dikes, must exist to impound water at such high levels (Stearns, 1966). At most other places in the Hawaiian islands, away from intrusive features, the high permeability of lava flows only allows hydraulic heads that are approximately compatible with a fresh-water lens floating on sea water in which the elevation of the lens top conforms to the Ghyben-Hertzberg relationship (Visher and Mink, 1964).

Schlumberger Sounding Measurements and Data Inversion

A resistivity sounding consists of a series of apparent resistivity measurements taken at several different electrode positions created by expanding four electrodes symmetrically about a central point (two on each side), preferably along a straight line. Electric current is injected into the ground through the outer two electrodes (current electrodes) and the voltage produced by that current is measured between the inner two electrodes (potential electrodes). The larger the distance between current electrodes (transmitter) and the potential electrodes (receiver) the greater the depth of investigation. For the Schlumberger electrode array, the potential electrodes are placed no farther apart than one-fifth the separation between the current electrodes (to approximate the measurement of the electric field). Anomalies due to local inhomogeneities can generally be recognized by moving either the potential electrodes or the current electrodes between readings, but never both at the same time. In practice, the distance between potential electrodes is expanded after each four or five current electrode moves.

Values measured for the same current electrode separation with two different potential electrode separations are almost always slightly different due to a difference in probing depth and/or small inhomogeneities around the potential electrodes. The data require adjustment to remove this discrepancy before quantitative interpretation.

The required adjustments tie together curve segments measured with different potential electrode separations. Many conventions can be used for deciding to what base segment the rest will be shifted. For most segmented sounding curves, all segments are shifted to the segment measured with the largest inner electrode spacing; that is, the segment measured with the largest inner electrode spacing is held fixed and the endpoints of the other segments are shifted vertically so that the endpoints match (Zohdy and others, 1973).

Computer program MARQDCLAG_HP, a Hewlett-Packard 9826 BASIC version of MARQDCLAG (Anderson, 1979), offers an automatic means by which sounding data sets like those obtained in the course of this study can be inverted to their best-fitting horizontally-layered model parameters. These parameters are the resistivities and thicknesses of each of the layers in the earth model. Of course, approximate matching can be done by graphically comparing the sounding data to theoretical curves in a standard album; however, the computer inversion offers an additional advantage, besides speed and automation, of parameter resolution estimates. They offer a means of assessing the reliability of parameters they estimate.

MARQDCLAG_HP automatically minimizes the following quantity:

$$\text{PHI} = \sum_{i=1}^N \left[\frac{y_i - f(x_i)^2}{e_i} \right]$$

where N is the number of data in the sounding data set,
 x_i is the i th current electrode spacing,
 y_i is the apparent resistivity measured at i th spacing,
 e_i is the apparent resistivity measurement error ($= y_i / 100$),
 and
 $f(x)$ is the theoretically calculated apparent resistivity.
 Along with the sounding data set, the program also requires a starting guess of the model parameters.

The number of layers cannot be automatically varied by the program so it is a common practice to invert each sounding curve for several models, each having a different number of layers. The best-fitting model is chosen to be the one which minimizes the following quantity, called the reduced chi-squared statistic:

$$\chi^2 = \text{PHI} / (N - 1 - K)$$

where K is the number of parameters in the model being fitted to the data. In general applications, $K = 2 * n - 1$ where n

is the number of layers in the theoretical model and * denotes multiplication.

During the inversions of the sounding curves, the natural logarithm of the model parameters were used to avoid the possibility of negative resistivities or thicknesses and to more accurately reflect the logarithmic resolution of these values. The values and their error estimates are converted back to normal units before being output by the program. A detailed description of the headings and identifying terms used in the program output listed in this Appendix follows:

X	electrode spacing equal to half the distance between the two current electrodes in meters,
OBSERVED	shifted observed apparent resistivity values, ohm-meters,
PREDICTED	apparent resistivity values predicted or calculated from the best-fitting model parameters,
%RESIDUALS	$(\text{OBSERVED} - \text{PREDICTED}) * 100$,
WEIGHT FN	$1/(\text{error})^2$, where error is normally OBSERVED/100,
CORRELATION MATRIX	estimates of the correlation between each of the model parameters and any other parameters of this particular model. Ones down the diagonal indicate that each parameter is 100% positively correlated with itself. Numbers between +1 and -1 off diagonal indicate the degree of correlation between each pair of parameters,
REDUCED CHI-SQUARED	the statistic corresponding to the above formula,
RESISTIVITY	in ohm-meters, left- and right-most columns list estimated upper and lower bounds, respectively, on the best fit resistivity in the middle column. Blanks in the right-most column indicate a value of infinity.
THICKNESS	thickness in meters, left- and right-most columns list estimated upper and lower bounds, respectively, on the best fit thickness in the middle column. Blanks in the right-most column indicate a value of infinity.
DEPTH	depth from surface to top of layer i, in meters, and
ELEV	elevation of top of layer i, in meters.

Programs like MARQDCLAG_HP are statistical procedures used to estimate what class of models might be able to predict a given

set of data within user-specified limits. A knowledgeable geophysicist can then examine the whole class of estimated models and discard those which do not seem geophysically or geologically probable. The models presented in the appendix are statistically probable, not necessarily geophysically or geologically probable. For example, the listed solution for sounding 3 includes a very high resistivity basement. The upper and lower bounds on all the other layer resistivities are just a few percent whereas the bounds on the estimated basement resistivity are zero and infinity. In other words, the data are insensitive to the resistivity below 1000m in this model. The program must choose a resistivity, and it picked one that happened to be high. A low resistivity could be assigned to the basement layer but within the constraints of information from the sounding alone there is no data available with which to estimate the resistivity below 1000m.

REFERENCES

- Anderson, W.A., 1979, Program MARQDCLAG -- Marquardt inversion of DC-Schlumberger soundings by lagged-convolution: U.S. Geological Survey Open-File Report 79-240, 75 p.
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- Uisher, F.N., and Mink, J.F., 1964, Ground-water resources in southern Oahu, Hawaii: Geological survey water-supply paper 1778, 133 p.
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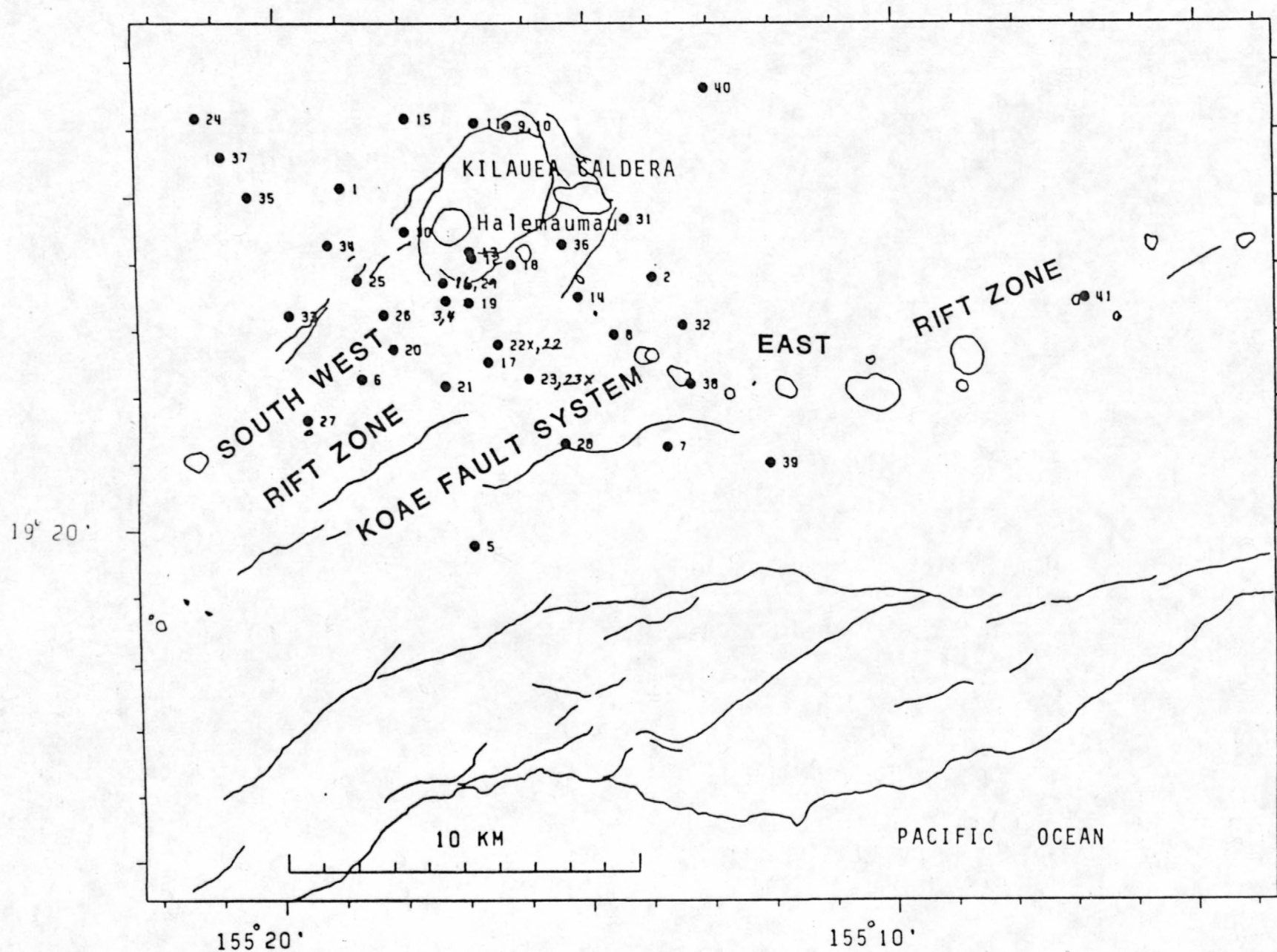


Figure 1. Electrical sounding locations on Kilauea. Lines are major faults and fractures. Closed figures are pit craters.

**APPENDIX: Schlumberger Sounding Data and Computer
Interpretations**

MANUARDT STATISTICS: V631

	X	OBSERVED	PREDICTED	RESIDUALS	WEIGHT FN
1	+2.4300E+00	+4.2991E+03	+4.4357E+03	-1.0441E+00	+5.1471E-01
2	+3.0500E+00	+4.7022E+03	+4.6235E+03	+1.0740E+00	+4.9554E-01
3	+4.0000E+00	+5.2081E+03	+4.9660E+03	+4.8111E+00	+4.0427E-01
4	+4.9000E+00	+5.2620E+03	+5.3266E+03	-1.2261E+00	+3.9971E-01
5	+6.1000E+00	+5.4860E+03	+5.8282E+03	-6.2377E+00	+3.8401E-01
6	+9.1000E+00	+6.9414E+03	+7.0645E+03	-1.7732E+00	+2.3740E-01
7	+1.2100E+01	+9.9447E+03	+8.1781E+03	+7.5372E+00	+1.4006E-01
8	+1.5200E+01	+1.0412E+04	+9.1596E+03	+1.2029E+01	+1.0107E-01
9	+1.9800E+01	+1.0412E+04	+1.0304E+04	+1.0349E+00	+1.0107E-01
10	+2.4300E+01	+1.0188E+04	+1.1095E+04	-8.9432E+00	+1.0556E-01
11	+3.0500E+01	+9.7404E+03	+1.1764E+04	-2.0773E+01	+1.1549E-01
12	+3.9600E+01	+1.5114E+04	+1.2093E+04	+1.9991E+01	+4.7963E-02
13	+4.9000E+01	+1.3995E+04	+1.1970E+04	+1.4470E+01	+5.5944E-02
14	+6.1000E+01	+1.1476E+04	+1.1527E+04	-4.4407E-01	+6.3201E-02
15	+7.6000E+01	+1.0412E+04	+1.0922E+04	-4.8960E+00	+1.0127E-01
16	+9.1000E+01	+1.0244E+04	+1.0435E+04	-1.8637E+00	+1.0441E-01
17	+1.2200E+02	+9.5165E+03	+9.8009E+03	-2.9890E+00	+1.2099E-01
18	+1.5200E+02	+9.9643E+03	+9.3939E+03	+5.7264E+00	+1.1036E-01
19	+1.9800E+02	+9.6786E+03	+9.7883E+03	-1.1053E+00	+1.4946E-01
20	+2.4400E+02	+7.8750E+03	+8.0729E+03	-2.5127E+00	+1.7566E-01
21	+3.0500E+02	+7.5000E+03	+7.0616E+03	+5.5790E+00	+1.9479E-01
22	+3.9600E+02	+5.5000E+03	+5.7190E+03	-3.9824E+00	+3.6221E-01
23	+4.8800E+02	+4.6500E+03	+4.5912E+03	+1.2653E+00	+5.0674E-01
24	+6.1000E+02	+3.4500E+03	+3.4841E+03	-9.8873E-01	+9.2055E-01
25	+7.6200E+02	+2.3700E+03	+2.3416E+03	+1.1966E+00	+1.9507E+00
26	+9.1400E+02	+1.6700E+03	+1.6729E+03	-1.7254E-01	+3.9287E+00
27	+1.2190E+03	+8.5000E+02	+8.5251E+02	-2.9474E-01	+1.5165E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.83	+.57	-.37	+.25	-.20	+.19	-.15	+.16	-.15
2	-.83	+1.00	-.87	+.63	-.45	+.36	-.33	+.23	-.24	+.22
3	+.57	-.87	+1.00	-.88	+.69	-.57	+.52	-.34	+.35	-.31
4	-.37	+.63	-.88	+1.00	-.92	+.80	-.72	+.48	-.48	+.43
5	+.25	-.45	+.69	-.92	+1.00	-.95	+.88	-.64	+.62	-.56
6	-.20	+.36	-.57	+.80	-.95	+1.00	-.98	+.80	-.76	+.70
7	+.19	-.33	+.52	-.72	+.88	-.98	+1.00	-.90	+.87	-.81
8	-.15	+.23	-.34	+.48	-.64	+.80	-.90	+1.00	-.99	+.96
9	+.16	-.24	+.35	-.48	+.62	-.76	+.87	-.99	+1.00	-.99
10	-.15	+.22	-.31	+.43	-.56	+.70	-.81	+.96	-.99	+1.00

REDUCED CHI-SQUARED=95.11

PHI=1521.8

DCLAG: ***** END *****

VES1

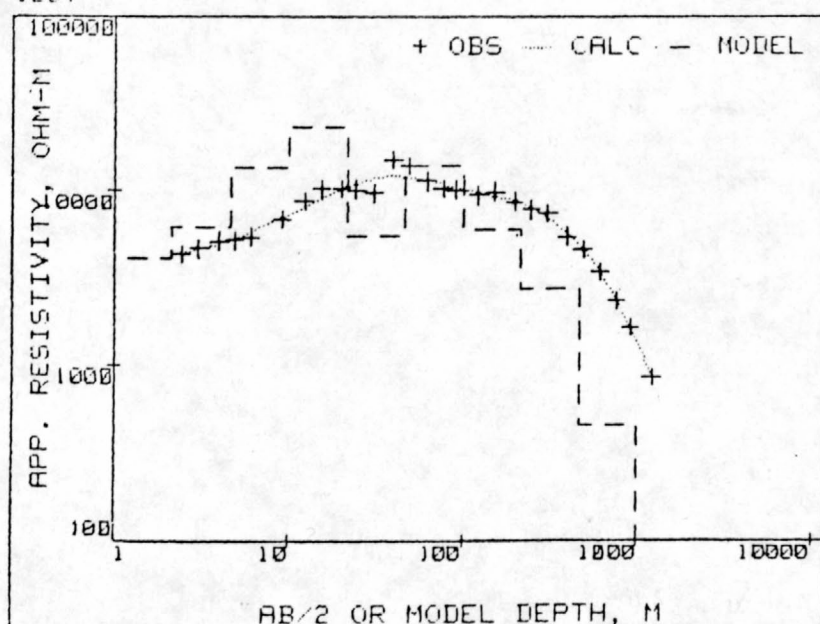
COORDINATES: 155.319 19.419

ELEVATION : 1127 METER

AZIMUTH : *N65W*

RESISTIVITY			THICKNESS			DEPTH	ELEV
4155.6	4171.1	4186.6	2.2	2.2	2.2	0.0	1127.0
6160.0	6257.6	6356.7	2.5	2.5	2.5	2.2	1124.8
13422.7	13769.1	14124.3	5.4	5.4	5.4	4.6	1122.4
22730.5	23242.3	23765.6	11.5	11.5	11.5	10.0	1117.0
5459.1	5640.1	5827.1	24.9	24.9	24.9	21.5	1105.5
13485.1	14014.2	14564.0	53.6	53.6	53.6	46.4	1080.6
5769.7	6092.4	6433.3	115.4	115.4	115.4	100.0	1027.0
2656.2	2807.8	2968.1	248.7	248.7	248.7	215.4	911.6
347.5	452.1	588.2	535.8	535.8	535.8	464.2	662.8
0.0	8.5	38003.9				1000.0	127.0

VES1



		OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0400E+00	+1.0300E+04	+1.0293E+04	+6.9830E-02	+1.9370E-01
2	+3.0400E+00	+1.1150E+04	+1.0979E+04	+1.5343E+00	+1.6529E-01
3	+4.0709E+00	+1.1300E+04	+1.1531E+04	-2.0438E+00	+1.6093E-01
4	+6.0400E+00	+1.2000E+04	+1.1981E+04	+1.5591E-01	+1.4270E-01
5	+9.1440E+00	+1.2100E+04	+1.2045E+04	+4.5364E-01	+1.4035E-01
6	+3.0480E+01	+1.2400E+04	+1.2340E+04	+4.8784E-01	+1.3365E-01
7	+3.9624E+01	+1.2600E+04	+1.3030E+04	-3.4165E+00	+1.2944E-01
8	+4.8768E+01	+1.4200E+04	+1.3272E+04	+6.5358E+00	+1.0191E-01
9	+6.0960E+01	+1.2500E+04	+1.3141E+04	-5.1314E+00	+1.3152E-01
10	+7.6200E+01	+1.3200E+04	+1.2693E+04	+3.8395E+00	+1.1794E-01
11	+9.1440E+01	+1.2100E+04	+1.2202E+04	-8.3968E-01	+1.4035E-01
12	+1.2192E+02	+1.1200E+04	+1.1431E+04	-2.0583E+00	+1.6382E-01
13	+1.5240E+02	+1.1100E+04	+1.0887E+04	+1.9224E+00	+1.6678E-01
14	+2.4384E+02	+9.3000E+03	+9.2925E+03	+8.0468E-02	+2.3759E-01
15	+3.0480E+02	+8.2000E+03	+8.2673E+03	-8.2079E-01	+3.0561E-01
16	+3.9624E+02	+6.9000E+03	+6.8896E+03	+1.5128E-01	+4.3162E-01
17	+4.8768E+02	+5.8000E+03	+5.7787E+03	+3.6693E-01	+6.1086E-01
18	+6.0960E+02	+4.6000E+03	+4.5873E+03	+2.7596E-01	+9.7114E-01
19	+7.6200E+02	+3.4000E+03	+3.4337E+03	-9.9102E-01	+1.7776E+00
20	+9.1440E+02	+2.5500E+03	+2.5416E+03	+3.2964E-01	+3.1602E+00
21	+1.2192E+03	+1.3300E+03	+1.3398E+03	-7.3564E-01	+1.1617E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.80	+.36	-.30	+.27	-.24	+.22	-.15	+.15	-.12
2	-.80	+1.00	-.69	+.59	-.52	+.45	-.43	+.31	-.32	+.28
3	+.36	-.69	+1.00	-.93	+.84	-.72	+.69	-.53	+.55	-.49
4	-.30	+.59	-.93	+1.00	-.97	+.87	-.84	+.67	-.69	+.62
5	+.27	-.52	+.84	-.97	+1.00	-.96	+.93	-.78	+.79	-.72
6	-.24	+.45	-.72	+.87	-.96	+1.00	-.99	+.89	-.89	+.82
7	+.22	-.43	+.69	-.84	+.93	-.99	+1.00	-.94	+.94	-.88
8	-.15	+.31	-.53	+.67	-.78	+.89	-.94	+1.00	-1.00	+.98
9	+.15	-.32	+.55	-.69	+.79	-.89	+.94	-1.00	+1.00	-.99
10	-.12	+.28	-.49	+.62	-.72	+.82	-.88	+.98	-.99	+1.00

REDUCED CHI-SQUARED=11.36

PHI=113.65

DCLAG: ***** END *****

VES2

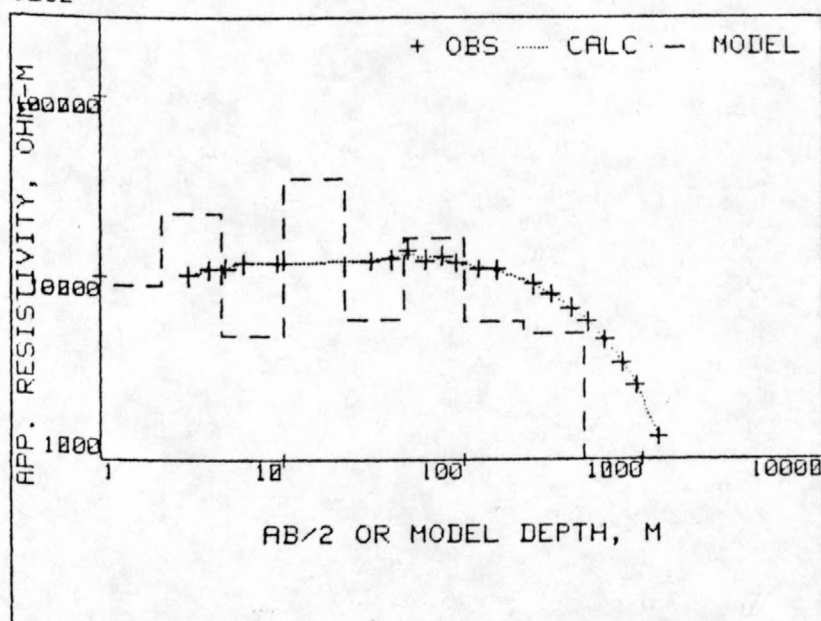
COORDINATES: 155.232 19.397

ELEVATION : 1097 METER

AZIMUTH : N32W

RESISTIVITY			THICKNESS			DEPTH	ELEV
9012.4	9020.9	9029.4	2.2	2.2	2.2	0.0	1097.0
22536.2	22593.7	22651.4	2.5	2.5	2.5	2.2	1094.8
4847.3	4868.1	4889.0	5.4	5.4	5.4	4.6	1092.4
34668.1	34943.0	35220.2	11.5	11.5	11.5	10.0	1087.0
5946.6	6039.1	6133.1	24.9	24.9	24.9	21.5	1075.5
16268.7	16539.2	16814.1	53.6	53.6	53.6	46.4	1050.6
5632.6	5777.2	5925.6	115.4	115.4	115.4	100.0	997.0
4951.3	5050.9	5152.4	248.7	248.7	248.7	215.4	881.6
355.5	431.0	522.7	535.8	535.8	535.8	464.2	632.8
.6	13.3	285.9				1000.0	97.0

VES2



MARQUARDT STATISTICS: VES3

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4500E+00	+1.0000E+03	+9.1992E+02	+8.0079E+00	+7.4631E-01
2	+3.1000E+00	+8.1000E+02	+8.5724E+02	-5.8325E+00	+1.1375E+00
3	+4.0000E+00	+7.4000E+02	+7.7553E+02	-4.8018E+00	+1.3629E+00
4	+4.9500E+00	+7.0000E+02	+7.1164E+02	-1.6626E+00	+1.5231E+00
5	+6.1000E+00	+6.9000E+02	+6.7129E+02	+2.7115E+00	+1.5676E+00
6	+7.7000E+00	+6.9000E+02	+6.6938E+02	+2.9883E+00	+1.5676E+00
7	+9.3000E+00	+7.2500E+02	+7.0776E+02	+2.3784E+00	+1.4199E+00
8	+1.2300E+01	+8.0000E+02	+8.1086E+02	-1.3574E+00	+1.1661E+00
9	+1.5300E+01	+9.0500E+02	+9.1918E+02	-1.5672E+00	+9.1122E-01
10	+2.0000E+01	+1.0750E+03	+1.0692E+03	+5.3886E-01	+6.4581E-01
11	+2.5000E+01	+1.2000E+03	+1.2025E+03	-2.0539E-01	+5.1827E-01
12	+3.0000E+01	+1.3100E+03	+1.3142E+03	-3.2306E-01	+4.3489E-01
13	+4.0000E+01	+1.5000E+03	+1.4970E+03	+2.0156E-01	+3.3169E-01
14	+5.0000E+01	+1.6800E+03	+1.6485E+03	+1.8725E+00	+2.6442E-01
15	+6.1000E+01	+1.8000E+03	+1.8018E+03	-9.7759E-02	+2.3034E-01
16	+7.7000E+01	+2.0000E+03	+2.0139E+03	-6.9449E-01	+1.8658E-01
17	+9.2000E+01	+2.2000E+03	+2.2054E+03	-2.4596E-01	+1.5420E-01
18	+1.2500E+02	+2.5800E+03	+2.5772E+03	+1.0875E-01	+1.1212E-01
19	+1.5200E+02	+2.8500E+03	+2.8094E+03	+1.4246E+00	+9.1882E-02
20	+2.0000E+02	+3.0000E+03	+3.0503E+03	-1.6762E+00	+8.2924E-02
21	+2.4700E+02	+3.1200E+03	+3.1071E+03	+4.1186E-01	+7.6668E-02
22	+3.1000E+02	+3.0000E+03	+2.9910E+03	+3.0089E-01	+8.2924E-02
23	+4.0500E+02	+2.5800E+03	+2.5920E+03	-4.6323E-01	+1.1212E-01
24	+5.0000E+02	+2.0800E+03	+2.1066E+03	-1.2803E+00	+1.7250E-01
25	+6.1000E+02	+1.5850E+03	+1.5819E+03	+1.9741E-01	+2.9707E-01
26	+7.7000E+02	+1.0250E+03	+9.9696E+02	+2.7354E+00	+7.1035E-01
27	+9.3000E+02	+6.1000E+02	+6.2477E+02	-2.4207E+00	+2.0057E+00
28	+1.2190E+03	+2.7200E+02	+2.6967E+02	+8.5733E-01	+1.0087E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.45	-.20	+.29	-.20	+.16	-.15	+.10	-.10	+.11
2	-.45	+1.00	-.35	-.05	+.06	-.07	+.07	-.04	+.05	-.05
3	-.20	-.35	+1.00	-.81	+.58	-.45	+.42	-.26	+.23	-.22
4	+.29	-.05	-.81	+1.00	-.88	+.73	-.68	+.45	-.39	+.37
5	-.20	+.06	+.58	-.88	+1.00	-.94	+.90	-.65	+.57	-.55
6	+.16	-.07	-.45	+.73	-.94	+1.00	-.99	+.82	-.74	+.71
7	-.15	+.07	+.42	-.68	+.90	-.99	+1.00	-.89	+.81	-.78
8	+.10	-.04	-.26	+.45	-.65	+.82	-.89	+1.00	-.98	+.96
9	-.10	+.05	+.23	-.39	+.57	-.74	+.81	-.98	+1.00	-1.00
10	+.11	-.05	-.22	+.37	-.55	+.71	-.78	+.96	-1.00	+1.00

REDUCED CHI-SQUARED=10.34

PHI=175.82

DCLAG: ***** END *****

VES3

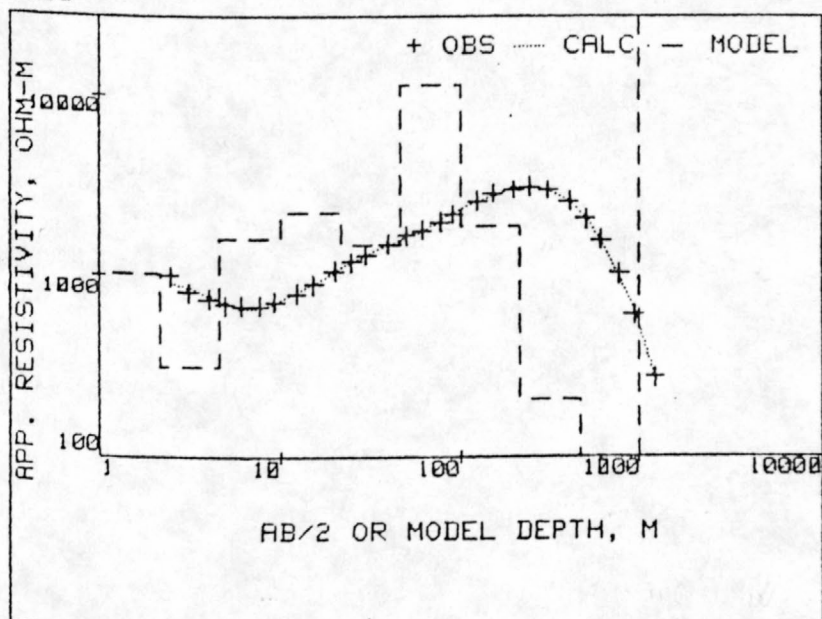
COORDINATES: 155.288 19.319

ELEVATION : 1110 METER

AZIMUTH : N42E

RESISTIVITY			THICKNESS			DEPTH	ELEV
1023.2	1025.9	1028.7	2.2	2.2	2.2	0.0	1110.0
316.1	317.5	319.0	2.5	2.5	2.5	2.2	1107.8
1573.5	1602.7	1632.3	5.4	5.4	5.4	4.6	1105.4
2209.9	2280.8	2354.0	11.5	11.5	11.5	10.0	1100.0
1453.1	1503.3	1555.2	24.9	24.9	24.9	21.5	1088.5
10289.7	11421.7	12678.2	53.6	53.6	53.6	46.4	1063.6
1276.2	1862.4	2717.9	115.4	115.4	115.4	100.0	1010.0
110.4	207.1	388.4	248.7	248.7	248.7	215.4	894.6
15.8	41.8	110.3	535.8	535.8	535.8	464.2	645.8
0.0	27200.0					1000.0	110.0

VES3



MARQUARDT STATISTICS: VES4

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+5.9000E+03	+5.2850E+03	+1.0424E+01	+1.7129E+00
2	+3.0480E+00	+4.9000E+03	+4.9442E+03	-9.0261E-01	+2.4834E+00
3	+3.9624E+00	+4.1000E+03	+4.4816E+03	-9.3073E+00	+3.5471E+00
4	+4.8768E+00	+4.0000E+03	+4.1736E+03	-4.3390E+00	+3.7267E+00
5	+6.0960E+00	+4.2000E+03	+4.0469E+03	+3.6459E+00	+3.3802E+00
6	+9.1440E+00	+5.0000E+03	+4.7139E+03	+5.7218E+00	+2.3851E+00
7	+1.2192E+01	+6.0500E+03	+5.9231E+03	+2.0976E+00	+1.6291E+00
8	+1.5240E+01	+7.1000E+03	+7.2044E+03	-1.4704E+00	+1.1829E+00
9	+1.9812E+01	+8.8000E+03	+9.0430E+03	-2.7611E+00	+7.6998E-01
10	+2.4384E+01	+1.0200E+04	+1.0754E+04	-5.4334E+00	+5.7312E-01
11	+3.0480E+01	+1.3100E+04	+1.2840E+04	+1.9879E+00	+3.4746E-01
12	+3.9624E+01	+1.5800E+04	+1.5582E+04	+1.3803E+00	+2.3885E-01
13	+4.8768E+01	+1.8000E+04	+1.7909E+04	+5.0699E-01	+1.8404E-01
14	+6.0960E+01	+2.1000E+04	+2.0455E+04	+2.5942E+00	+1.3521E-01
15	+7.6200E+01	+2.3000E+04	+2.2880E+04	+5.2386E-01	+1.1272E-01
16	+9.1440E+01	+2.5000E+04	+2.4617E+04	+1.5324E+00	+9.5404E-02
17	+1.2192E+02	+2.6500E+04	+2.6582E+04	-3.0887E-01	+8.4909E-02
18	+1.5240E+02	+2.6200E+04	+2.7195E+04	-3.7965E+00	+8.6865E-02
19	+1.9812E+02	+2.6100E+04	+2.6717E+04	-2.3643E+00	+8.7532E-02
20	+2.4384E+02	+2.6000E+04	+2.5369E+04	+2.4262E+00	+8.8206E-02
21	+3.0480E+02	+2.3200E+04	+2.2940E+04	+1.1199E+00	+1.1078E-01
22	+3.9624E+02	+1.9000E+04	+1.8835E+04	+8.7007E-01	+1.6517E-01
23	+4.8768E+02	+1.4700E+04	+1.4797E+04	-6.5980E-01	+2.7594E-01
24	+6.0960E+02	+1.0000E+04	+1.0136E+04	-1.3601E+00	+5.9628E-01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.72	+.59	-.48	+.30	-.30	+.24	-.25	+.22
2	-.72	+1.00	-.94	+.81	-.55	+.53	-.44	+.45	-.40
3	+.59	-.94	+1.00	-.96	+.74	-.70	+.59	-.60	+.54
4	-.48	+.81	-.96	+1.00	-.90	+.84	-.73	+.73	-.67
5	+.30	-.55	+.74	-.90	+1.00	-.97	+.90	-.89	+.83
6	-.30	+.53	-.70	+.84	-.97	+1.00	-.97	+.96	-.92
7	+.24	-.44	+.59	-.73	+.90	-.97	+1.00	-1.00	+.98
8	-.25	+.45	-.60	+.73	-.89	+.96	-1.00	+1.00	-.99
9	+.22	-.40	+.54	-.67	+.83	-.92	+.98	-.99	+1.00

REDUCED CHI-SQUARED=25.03

PHI=350.42

DCLAG: ***** END *****

VES4

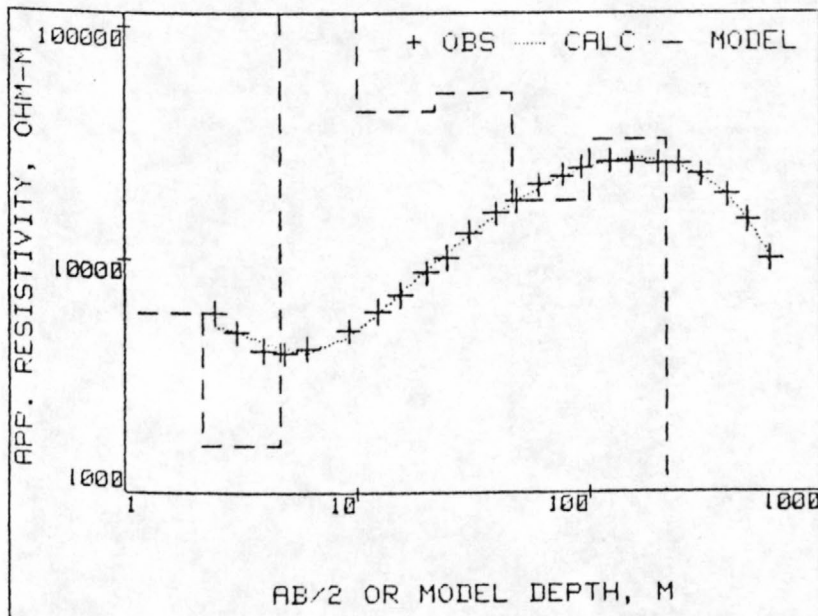
COORDINATES: 155.288 19.391

ELEVATION : 1110 METER

AZIMUTH : *N48W*

RESISTIVITY			THICKNESS			DEPTH	ELEV
5909.1	5912.8	5916.4	2.2	2.2	2.2	0.0	1110.0
1582.4	1585.5	1588.6	2.5	2.5	2.5	2.2	1107.8
108637.4	115876.9	123598.9	5.4	5.4	5.4	4.6	1105.4
39836.3	43378.0	47234.7	11.5	11.5	11.5	10.0	1100.0
50100.6	52740.7	55520.1	24.9	24.9	24.9	21.5	1088.5
16953.4	18133.4	19395.5	53.6	53.6	53.6	46.4	1063.6
30466.9	32769.0	35245.1	115.4	115.4	115.4	100.0	1010.0
.1	226.1	410882.2	248.7	248.7	248.7	215.4	894.6
0.0	100.0					464.2	645.8

VES4



MARQUARDT STATISTICS: VESS

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+6.0754E+03	+6.1848E+03	-1.8006E+00	+1.9593E-01
2	+6.0960E+00	+6.2172E+03	+5.8018E+03	+6.6811E+00	+1.8710E-01
3	+9.1440E+00	+5.7210E+03	+5.9413E+03	-3.8499E+00	+2.2096E-01
4	+2.2860E+01	+5.6704E+03	+5.9517E+03	-4.9613E+00	+2.2492E-01
5	+3.0480E+01	+6.0754E+03	+5.7189E+03	+5.8679E+00	+1.9593E-01
6	+3.9624E+01	+6.0308E+03	+5.6341E+03	+6.5783E+00	+1.9884E-01
7	+4.8768E+01	+5.5738E+03	+5.6717E+03	-1.7562E+00	+2.3279E-01
8	+6.0960E+01	+5.4623E+03	+5.7246E+03	-4.8015E+00	+2.4239E-01
9	+7.6200E+01	+5.4623E+03	+5.6579E+03	-3.5816E+00	+2.4239E-01
10	+9.1440E+01	+5.3508E+03	+5.4482E+03	-1.8197E+00	+2.5259E-01
11	+1.2192E+02	+5.2393E+03	+4.8368E+03	+7.6836E+00	+2.6345E-01
12	+1.5240E+02	+4.3587E+03	+4.2543E+03	+2.3951E+00	+3.8067E-01
13	+1.9812E+02	+3.5672E+03	+3.6625E+03	-2.6703E+00	+5.6833E-01
14	+2.4384E+02	+3.4000E+03	+3.3519E+03	+1.4144E+00	+6.2561E-01
15	+3.0480E+02	+2.9000E+03	+3.1364E+03	-8.1504E+00	+8.5993E-01
16	+3.9624E+02	+2.8000E+03	+2.8703E+03	-2.5109E+00	+9.2245E-01
17	+4.8768E+02	+2.9500E+03	+2.5365E+03	+1.4016E+01	+8.3103E-01
18	+6.0960E+02	+2.2000E+03	+2.0244E+03	+7.9839E+00	+1.4942E+00
19	+7.6200E+02	+1.2500E+03	+1.4253E+03	-1.4028E+01	+4.6285E+00
20	+9.1440E+02	+1.0000E+03	+9.5390E+02	+4.6096E+00	+7.2320E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.69	+.36	-.23	+.15	-.15	+.14	-.13	+.11
2	-.69	+1.00	-.76	+.55	-.38	+.38	-.35	+.34	-.30
3	+.36	-.76	+1.00	-.87	+.63	-.60	+.55	-.54	+.47
4	-.23	+.55	-.87	+1.00	-.86	+.79	-.71	+.71	-.62
5	+.15	-.38	+.63	-.86	+1.00	-.94	+.86	-.85	+.75
6	-.15	+.38	-.60	+.79	-.94	+1.00	-.97	+.96	-.88
7	+.14	-.35	+.55	-.71	+.86	-.97	+1.00	-1.00	+.96
8	-.13	+.34	-.54	+.71	-.85	+.96	-1.00	+1.00	-.97
9	+.11	-.30	+.47	-.62	+.75	-.88	+.96	-.97	+1.00

REDUCED CHI-SQUARED=83.22

PHI=832.15

DCLAG: ***** END *****

VESS

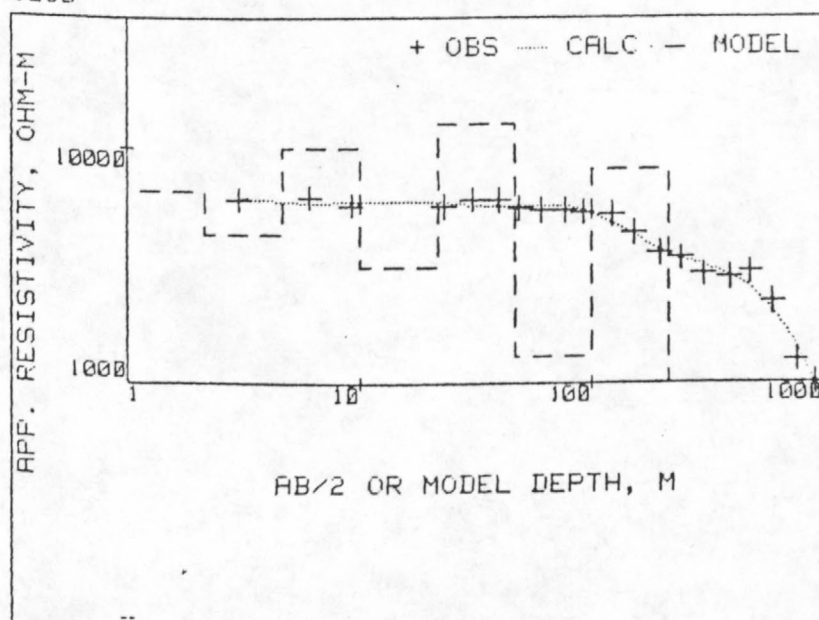
COORDINATES: 155.218 19.33

ELEVATION : 896 METER

AZIMUTH : EW

RESISTIVITY			THICKNESS			DEPTH	ELEV
6544.6	6579.2	6613.9	2.2	2.2	2.2	0.0	896.0
4215.7	4265.4	4315.6	2.5	2.5	2.5	2.2	893.8
9887.7	10029.2	10172.8	5.4	5.4	5.4	4.6	891.4
3042.4	3081.0	3120.0	11.5	11.5	11.5	10.0	886.0
12523.9	12662.4	12802.5	24.9	24.9	24.9	21.5	874.5
1263.8	1303.7	1344.9	53.6	53.6	53.6	46.4	849.6
7593.4	8131.2	8707.2	115.4	115.4	115.4	100.0	796.0
0.0	28.3		248.7	248.7	248.7	215.4	680.6
.1	16.7	2032.5				464.2	431.8

VESS



MARQUARDT STATISTICS: VES6

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+5.0818E+03	+5.1792E+03	-1.9175E+00	+1.9397E-01
2	+3.9624E+00	+5.9965E+03	+6.0623E+03	-1.0981E+00	+1.3931E-01
3	+4.8768E+00	+7.0129E+03	+6.9374E+03	+1.0753E+00	+1.0186E-01
4	+6.0960E+00	+7.9276E+03	+7.9806E+03	-6.6897E-01	+7.9707E-02
5	+7.6200E+00	+9.4521E+03	+9.0291E+03	+4.4757E+00	+5.6068E-02
6	+9.1440E+00	+1.0164E+04	+9.8097E+03	+3.4819E+00	+4.8493E-02
7	+1.2192E+01	+1.0265E+04	+1.0754E+04	-4.7642E+00	+4.7538E-02
8	+1.5240E+01	+1.1485E+04	+1.1148E+04	+2.9320E+00	+3.7977E-02
9	+1.9812E+01	+1.0265E+04	+1.1207E+04	-9.1716E+00	+4.7538E-02
10	+2.4384E+01	+1.2044E+04	+1.1014E+04	+8.5505E+00	+3.4534E-02
11	+3.0480E+01	+1.0875E+04	+1.0694E+04	+1.6599E+00	+4.2356E-02
12	+3.9624E+01	+9.9688E+03	+1.0315E+04	-3.4757E+00	+5.0407E-02
13	+4.8768E+01	+1.0195E+04	+1.0089E+04	+1.0423E+00	+4.8192E-02
14	+6.0960E+01	+1.0082E+04	+9.8888E+03	+1.9164E+00	+4.9281E-02
15	+7.6200E+01	+9.5156E+03	+9.6978E+03	-1.9148E+00	+5.5322E-02
16	+9.1440E+01	+9.5156E+03	+9.5171E+03	-1.5273E-02	+5.5322E-02
17	+1.2192E+02	+8.9492E+03	+9.1210E+03	-1.9195E+00	+6.2547E-02
18	+1.5240E+02	+8.9492E+03	+8.6638E+03	+3.1897E+00	+6.2547E-02
19	+1.9812E+02	+7.8164E+03	+7.8720E+03	-7.1162E-01	+8.1990E-02
20	+2.4384E+02	+7.2500E+03	+7.0701E+03	+2.4816E+00	+9.5301E-02
21	+3.0480E+02	+6.0000E+03	+6.0916E+03	-1.5261E+00	+1.3915E-01
22	+3.9624E+02	+4.7000E+03	+4.8892E+03	-4.0260E+00	+2.2677E-01
23	+4.8768E+02	+3.9500E+03	+3.9584E+03	-2.1362E-01	+3.2106E-01
24	+6.0960E+02	+3.0500E+03	+3.0327E+03	+5.6620E-01	+5.3849E-01
25	+7.6200E+02	+2.0500E+03	+1.9973E+03	+2.5726E+00	+1.1920E+00
26	+9.1440E+02	+1.2600E+03	+1.3416E+03	-6.4777E+00	+3.1552E+00
27	+1.2192E+03	+5.0000E+02	+5.8020E+02	-1.6041E+01	+2.0037E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.87	+.76	-.65	+.51	-.34	+.39	-.24	+.28	-.26
2	-.87	+1.00	-.96	+.87	-.72	+.51	-.54	+.33	-.38	+.35
3	+.76	-.96	+1.00	-.96	+.84	-.63	+.64	-.40	+.45	-.40
4	-.65	+.87	-.96	+1.00	-.95	+.76	-.74	+.49	-.53	+.48
5	+.51	-.72	+.84	-.95	+1.00	-.91	+.86	-.62	+.64	-.58
6	-.34	+.51	-.63	+.76	-.91	+1.00	-.97	+.81	-.79	+.73
7	+.39	-.54	+.64	-.74	+.86	-.97	+1.00	-.91	+.90	-.84
8	-.24	+.33	-.40	+.49	-.62	+.81	-.91	+1.00	-.99	+.97
9	+.28	-.38	+.45	-.53	+.64	-.79	+.90	-.99	+1.00	-.99
10	-.26	+.35	-.40	+.48	-.58	+.73	-.84	+.97	-.99	+1.00

REDUCED CHI-SQUARED=37.23

PHI=595.74

DCLAG: ***** END *****

VE56

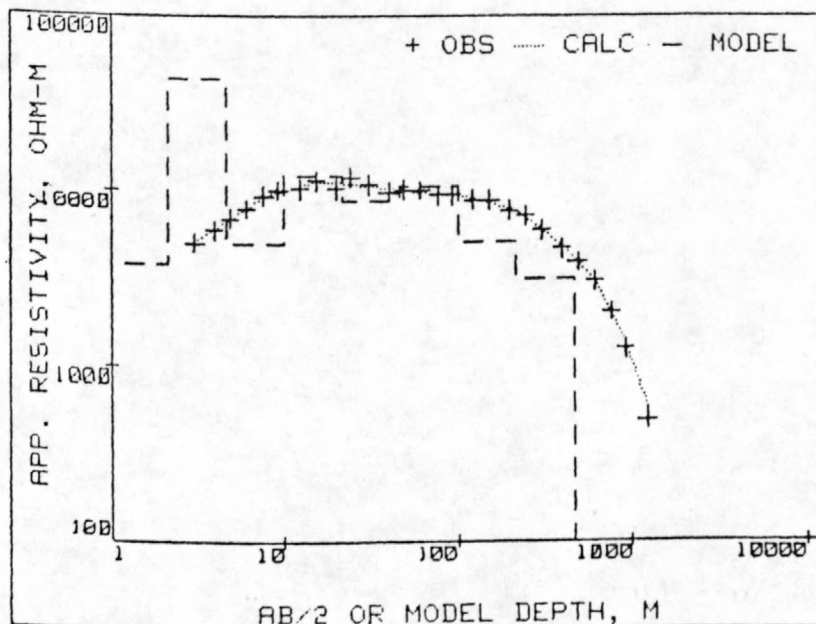
COORDINATES: 155.313 19.372

ELEVATION : 991 METER

AZIMUTH : *N45E*

RESISTIVITY			THICKNESS			DEPTH	ELEV
3797.0	3808.8	3820.7	2.2	2.2	2.2	0.0	991.0
42134.3	43192.1	44276.5	2.5	2.5	2.5	2.2	988.8
4665.0	5051.3	5469.5	5.4	5.4	5.4	4.6	986.4
11453.7	12378.6	13378.1	11.5	11.5	11.5	10.0	981.0
8354.0	8767.4	9201.3	24.9	24.9	24.9	21.5	969.5
10404.8	10723.1	11051.2	53.6	53.6	53.6	46.4	944.6
4933.9	5124.3	5322.1	115.4	115.4	115.4	100.0	891.0
3032.0	3148.0	3268.5	248.7	248.7	248.7	215.4	775.6
1.1	25.6	620.8	535.8	535.8	535.8	464.2	526.8
0.0	5.0	253641.4				1000.0	-9.0

VE56



MARQUARDT STATISTICS: VES7

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+6.0990E+00	+3.3798E+03	+3.3814E+03	-4.7419E-02	+3.7280E-01
2	+9.1440E+00	+3.5312E+03	+3.5290E+03	+6.1157E-02	+3.4153E-01
3	+1.9812E+01	+3.9852E+03	+3.9636E+03	+5.4016E-01	+2.6815E-01
4	+3.0480E+01	+4.2374E+03	+4.2946E+03	-1.3497E+00	+2.3717E-01
5	+6.0960E+01	+4.9789E+03	+4.9163E+03	+1.2573E+00	+1.7179E-01
6	+7.6200E+01	+5.2105E+03	+5.0153E+03	+3.7461E+00	+1.5686E-01
7	+9.1440E+01	+4.8632E+03	+5.0030E+03	-2.8765E+00	+1.8006E-01
8	+1.2192E+02	+4.5158E+03	+4.7553E+03	-5.3040E+00	+2.0883E-01
9	+1.5240E+02	+4.5158E+03	+4.3462E+03	+3.7564E+00	+2.0883E-01
10	+1.9812E+02	+3.7053E+03	+3.6808E+03	+6.5980E-01	+3.1019E-01
11	+2.4384E+02	+3.3000E+03	+3.0763E+03	+6.7794E+00	+3.9105E-01
12	+3.0480E+02	+2.2500E+03	+2.4501E+03	-8.8928E+00	+8.4120E-01
13	+3.9624E+02	+1.9000E+03	+1.8577E+03	+2.2254E+00	+1.1797E+00
14	+4.8768E+02	+1.6000E+03	+1.5246E+03	+4.7107E+00	+1.6635E+00
15	+6.0960E+02	+1.2300E+03	+1.2797E+03	-4.0433E+00	+2.8149E+00
16	+7.6200E+02	+1.1200E+03	+1.1073E+03	+1.1322E+00	+3.3949E+00
17	+9.1440E+02	+1.0000E+03	+9.9986E+02	+1.4265E-02	+4.2586E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.84	+.69	-.54	+.30	-.03	-.01	+.01
2	-.84	+1.00	-.92	+.74	-.48	+.15	-.09	+.07
3	+.69	-.92	+1.00	-.90	+.66	-.30	+.21	-.17
4	-.54	+.74	-.90	+1.00	-.89	+.58	-.43	+.36
5	+.30	-.48	+.66	-.89	+1.00	-.86	+.70	-.60
6	-.03	+.15	-.30	+.58	-.86	+1.00	-.92	+.83
7	-.01	-.09	+.21	-.43	+.70	-.92	+1.00	-.97
8	+.01	+.07	-.17	+.36	-.60	+.83	-.97	+1.00

REDUCED CHI-SQUARED=29.81

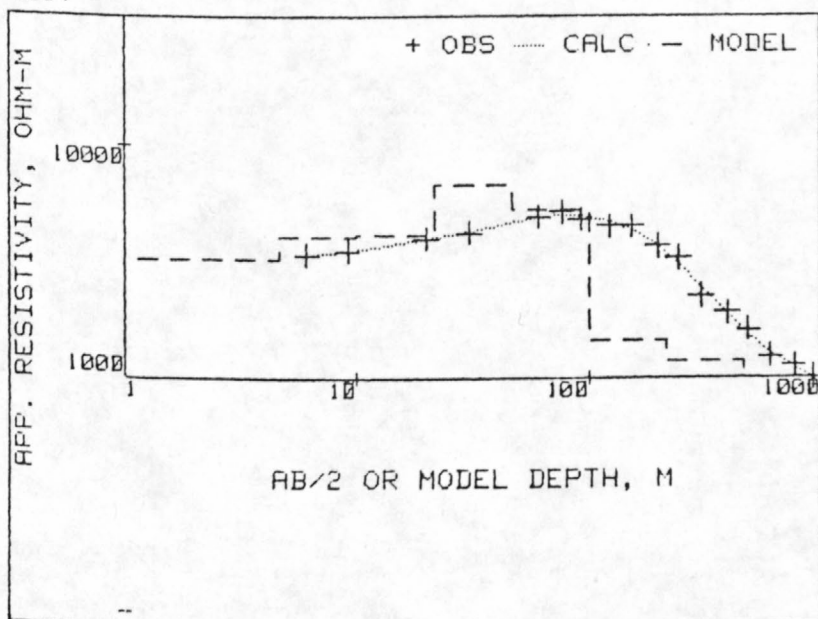
PHI=238.5

DCLAG: ***** END *****
 COORDINATES: 155.3113 19.3545
 ELEVATION : 991 METER
 AZIMUTH : N10E

VES7

RESISTIVITY			THICKNESS			DEPTH	ELEV
3239.1	3253.6	3268.1	4.6	4.6	4.6	0.0	991.0
3988.4	4067.5	4148.2	5.4	5.4	5.4	4.6	986.4
4012.0	4111.8	4214.2	11.5	11.5	11.5	10.0	981.0
6693.7	6845.6	7000.9	24.9	24.9	24.9	21.5	969.5
5252.1	5349.0	5447.8	53.6	53.6	53.6	46.4	944.6
1407.8	1441.6	1476.1	115.4	115.4	115.4	100.0	891.0
1147.3	1172.0	1197.2	248.7	248.7	248.7	215.4	775.6
658.1	673.7	689.6				464.2	526.8

VES7



MARQUARDT STATISTICS: VESS

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+6.1000E+00	+1.1157E+04	+1.1440E+04	-2.5384E+00	+1.1915E-02
2	+9.1000E+00	+1.2693E+04	+1.2278E+04	+3.2666E+00	+9.1280E-03
3	+1.9800E+01	+1.3421E+04	+1.3309E+04	+8.3161E-01	+8.1650E-03
4	+3.0500E+01	+1.2450E+04	+1.2865E+04	-3.3275E+00	+9.4871E-03
5	+6.1000E+01	+1.2174E+04	+1.1642E+04	+4.3681E+00	+9.9232E-03
6	+7.6200E+01	+1.1122E+04	+1.1086E+04	+3.2256E-01	+1.1888E-02
7	+9.1400E+01	+1.0146E+04	+1.0237E+04	-8.9906E-01	+1.4287E-02
8	+1.2190E+02	+8.7894E+03	+8.9263E+03	-1.5579E+00	+1.9036E-02
9	+1.5240E+02	+7.5415E+03	+7.7241E+03	-2.4209E+00	+2.5857E-02
10	+1.9810E+02	+6.4021E+03	+6.2526E+03	+2.3350E+00	+3.5880E-02
11	+2.4380E+02	+5.1000E+03	+5.0504E+03	+9.7212E-01	+5.6540E-02
12	+3.0480E+02	+3.7500E+03	+3.7646E+03	-3.9023E-01	+1.0458E-01
13	+3.9620E+02	+2.4500E+03	+2.3502E+03	+4.0751E+00	+2.4500E-01
14	+4.8770E+02	+1.3400E+03	+1.4250E+03	-6.3428E+00	+8.1901E-01
15	+6.0960E+02	+7.5000E+02	+7.2295E+02	+3.6062E+00	+2.6144E+00
16	+7.6200E+02	+3.5000E+02	+3.5179E+02	-5.1211E-01	+1.2005E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.84	+.72	-.62	+.55	-.35	+.48	-.48
2	-.84	+1.00	-.94	+.81	-.69	+.39	-.52	+.50
3	+.72	-.94	+1.00	-.92	+.79	-.45	+.56	-.54
4	-.62	+.81	-.92	+1.00	-.94	+.63	-.68	+.65
5	+.55	-.69	+.79	-.94	+1.00	-.83	+.83	-.80
6	-.35	+.39	-.45	+.63	-.83	+1.00	-.96	+.94
7	+.48	-.52	+.56	-.68	+.83	-.96	+1.00	-1.00
8	-.48	+.50	-.54	+.65	-.80	+.94	-1.00	+1.00

REDUCED CHI-SQUARED=19.12

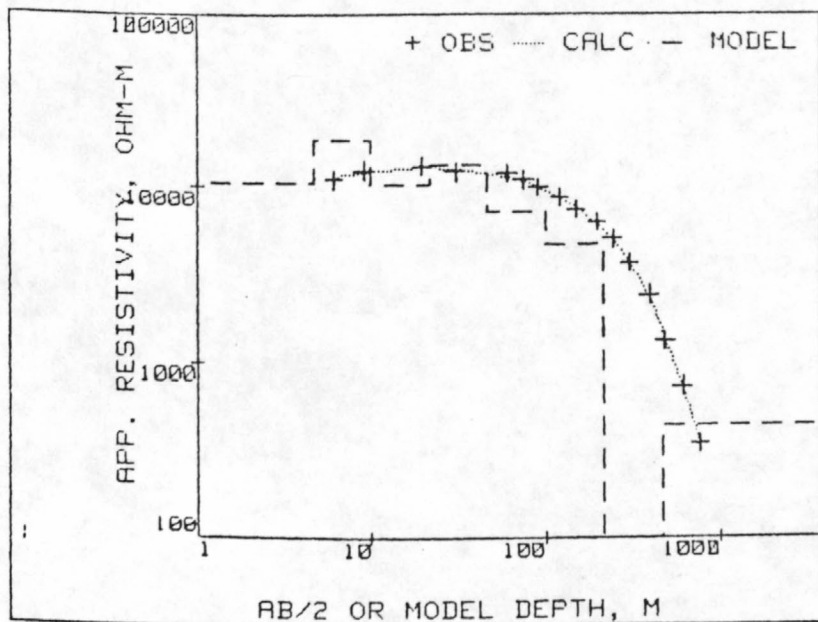
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DCLAG: ***** END *****
 COORDINATES: 155.2425 10.3927
 ELEVATION : 1046 METER
 AZIMUTH : *N32W*

VES8

RESISTIVITY			THICKNESS			DEPTH	ELEV
10510.3	10574.8	10639.8	4.6	4.6	4.6	0.0	1046.0
18200.7	18676.2	19164.1	5.4	5.4	5.4	4.6	1041.4
10108.4	10443.7	10790.0	11.5	11.5	11.5	10.0	1036.0
13268.7	13584.3	13907.4	24.9	24.9	24.9	21.5	1024.5
7175.1	7326.4	7480.9	53.6	53.6	53.6	46.4	999.6
4669.4	4726.2	4783.7	115.4	115.4	115.4	100.0	946.0
41.3	57.3	79.5	248.7	248.7	248.7	215.4	830.6
139.1	443.9	1416.5				464.2	581.8

VES8



MARQUARDT STATISTICS: VES9

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+4.3489E+02	+1.9147E+02	+5.5974E+01	+2.6152E-01
2	+3.0480E+00	+2.4303E+02	+1.7708E+02	+2.7134E+01	+8.3746E-01
3	+3.9624E+00	+1.2791E+02	+1.5705E+02	-2.2781E+01	+3.0232E+00
4	+4.8768E+00	+1.1085E+02	+1.4281E+02	-2.8827E+01	+4.0250E+00
5	+6.0960E+00	+1.2791E+02	+1.3468E+02	-5.2972E+00	+3.0232E+00
6	+7.6200E+00	+1.4496E+02	+1.3877E+02	+4.2735E+00	+2.3537E+00
7	+9.1440E+00	+1.7737E+02	+1.5254E+02	+1.4000E+01	+1.5723E+00
8	+1.2192E+01	+2.1233E+02	+1.9159E+02	+9.7672E+00	+1.0971E+00
9	+1.5240E+01	+2.4559E+02	+2.3387E+02	+4.7707E+00	+8.2010E-01
10	+1.9812E+01	+3.0698E+02	+2.9471E+02	+3.9967E+00	+5.2487E-01
11	+2.4384E+01	+3.5729E+02	+3.5120E+02	+1.7051E+00	+3.8746E-01
12	+3.0480E+01	+3.9226E+02	+4.1935E+02	-6.9070E+00	+3.2147E-01
13	+3.9624E+01	+5.0553E+02	+5.0718E+02	-3.2687E-01	+1.9354E-01
14	+4.8768E+01	+5.6170E+02	+5.7969E+02	-3.2023E+00	+1.5677E-01
15	+6.0960E+01	+6.7404E+02	+6.5691E+02	+2.5425E+00	+1.0887E-01
16	+7.6200E+01	+7.3021E+02	+7.2883E+02	+1.8883E-01	+9.2763E-02
17	+9.1440E+01	+7.7702E+02	+7.8357E+02	-8.4278E-01	+8.1924E-02
18	+1.2192E+02	+8.8000E+02	+8.6729E+02	+1.4442E+00	+6.3672E-02
19	+1.5240E+02	+9.5000E+02	+9.4468E+02	+5.5996E-01	+5.4806E-02

CORRELATION MATRIX:

	1	2	3	4	5	6	7
1	+1.00	-.66	+.43	-.35	+.35	+.33	-.29
2	-.66	+1.00	-.82	+.69	-.69	-.65	+.58
3	+.43	-.82	+1.00	-.95	+.95	+.92	-.87
4	-.35	+.69	-.95	+1.00	-1.00	-1.00	+.97
5	+.35	-.69	+.95	-1.00	+1.00	+1.00	-.98
6	+.33	-.65	+.92	-1.00	+1.00	+1.00	-.99
7	-.29	+.58	-.87	+.97	-.98	-.99	+1.00

REDUCED CHI-SQUARED=515.1

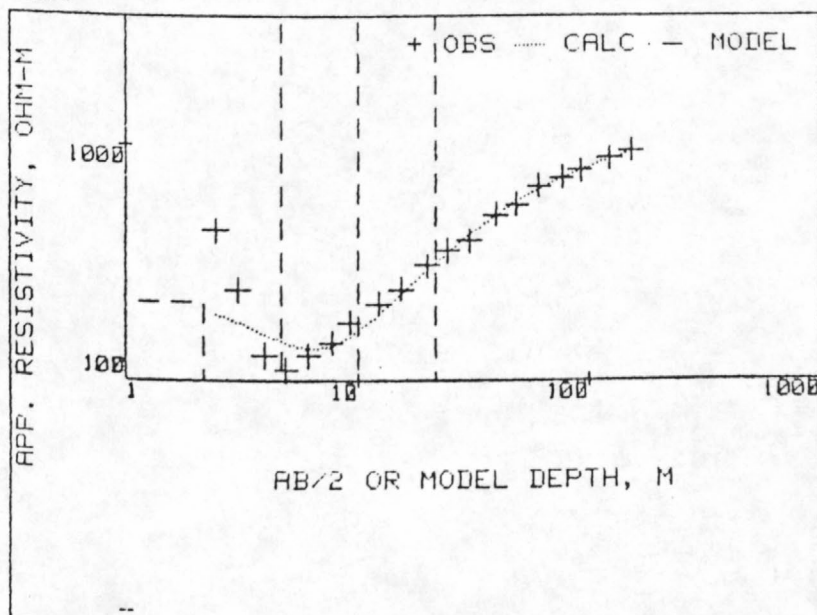
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DCLAG: ***** END *****
 COORDINATES: 155.2708 19.4347
 ELEVATION : 1202 METER
 AZIMUTH : *N80W*

VES9

RESISTIVITY			THICKNESS			DEPTH	ELEV
198.4	217.6	238.6	2.2	2.2	2.2	0.0	1202.0
42.8	48.4	54.7	2.5	2.5	2.5	2.2	1199.8
438.4	10902.8	271168.4	5.4	5.4	5.4	4.6	1197.4
0.0	83.4		11.5	11.5	11.5	10.0	1192.0
0.0	6315.5		24.9	24.9	24.9	21.5	1180.5
0.0	71134.1		53.6	53.6	53.6	46.4	1155.6
0.0	93864.7					100.0	1102.0

VES9



MARQUARDT STATISTICS: VES10

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4304E+00	+2.0500E+02	+1.3493E+02	+3.4180E+01	+5.0781E-01
2	+3.0480E+00	+1.3200E+02	+1.2854E+02	+2.6190E+00	+1.2248E+00
3	+3.9624E+00	+1.0000E+02	+1.2052E+02	-2.0518E+01	+2.1341E+00
4	+4.8768E+00	+1.0300E+02	+1.1638E+02	-1.2987E+01	+2.0116E+00
5	+6.0960E+00	+1.1200E+02	+1.1766E+02	-5.0493E+00	+1.7013E+00
6	+7.6200E+00	+1.3400E+02	+1.2793E+02	+4.5280E+00	+1.1885E+00
7	+9.1440E+00	+1.6000E+02	+1.4404E+02	+9.9747E+00	+8.3363E-01
8	+1.2192E+01	+1.9800E+02	+1.8285E+02	+7.6536E+00	+5.4435E-01
9	+1.5240E+01	+2.2500E+02	+2.2266E+02	+1.0416E+00	+4.2155E-01
10	+1.9812E+01	+2.8000E+02	+2.7879E+02	+4.3210E-01	+2.7221E-01
11	+3.0480E+01	+3.6500E+02	+3.8789E+02	-6.2720E+00	+1.6019E-01

CORRELATION MATRIX:

	1	2	3	4	5
1	+1.00	-.81	+.68	-.64	+.61
2	-.81	+1.00	-.95	+.92	-.89
3	+.68	-.95	+1.00	-1.00	+.98
4	-.64	+.92	-1.00	+1.00	-1.00
5	+.61	-.89	+.98	-1.00	+1.00

REDUCED CHI-SQUARED=401.9

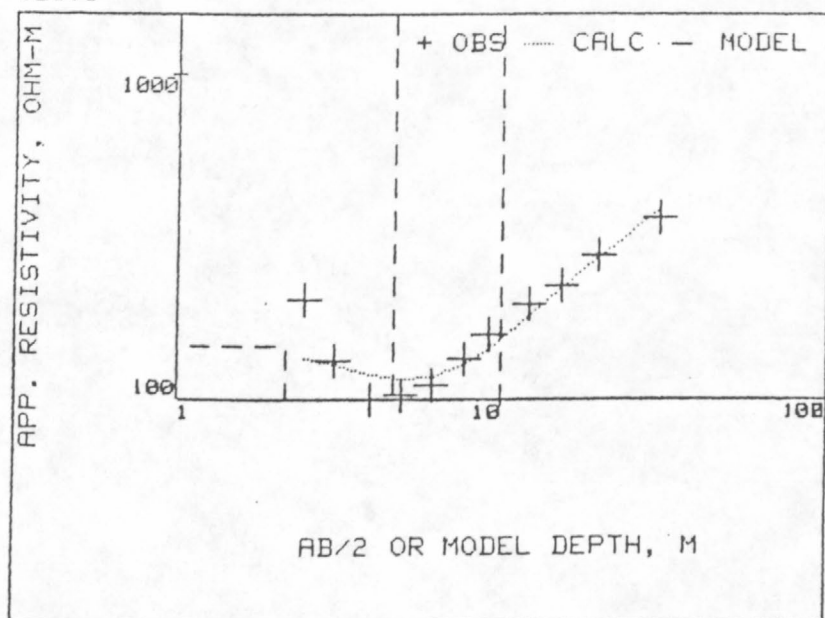
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DCLAG: ***** END *****
 COORDINATES: 155.2707 19.4347
 ELEVATION : 1202 METER
 AZIMUTH : *N10E*

VES10

RESISTIVITY			THICKNESS			DEPTH	ELEV
127.3	147.0	169.8	2.2	2.2	2.2	0.0	1202.0
36.7	50.9	70.5	2.5	2.5	2.5	2.2	1199.8
0.0	8556.8		5.4	5.4	5.4	4.6	1197.4
0.0	2.2		11.5	11.5	11.5	10.0	1192.0
0.0	3.6					21.5	1180.5

VES10



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FM
1	+2.4384E+00	+9.9545E+02	+9.8251E+02	+1.2999E+00	+5.1864E+00
2	+3.0480E+00	+1.1289E+03	+1.1234E+03	+4.8097E-01	+4.0329E+00
3	+3.9624E+00	+1.3341E+03	+1.3692E+03	-2.6306E+00	+2.8875E+00
4	+4.8768E+00	+1.5907E+03	+1.6312E+03	-2.5496E+00	+2.0312E+00
5	+6.0960E+00	+2.0012E+03	+1.9789E+03	+1.1108E+00	+1.2833E+00
6	+7.6200E+00	+2.3193E+03	+2.3917E+03	-3.1213E+00	+9.5541E-01
7	+9.1440E+00	+2.7914E+03	+2.7734E+03	+6.4435E-01	+6.5958E-01
8	+1.2192E+01	+3.5918E+03	+3.4451E+03	+4.0853E+00	+3.9836E-01
9	+1.5240E+01	+4.3102E+03	+4.0040E+03	+7.1029E+00	+2.7664E-01
10	+1.9812E+01	+4.7127E+03	+4.6642E+03	+1.0301E+00	+2.3140E-01
11	+2.4384E+01	+4.9091E+03	+5.1552E+03	-5.0134E+00	+2.1325E-01
12	+3.0480E+01	+5.4000E+03	+5.6302E+03	-4.2635E+00	+1.7624E-01
13	+3.9624E+01	+6.3000E+03	+6.1128E+03	+2.9711E+00	+1.2948E-01
14	+4.8768E+01	+6.4000E+03	+6.4707E+03	-1.1040E+00	+1.2547E-01
15	+6.0960E+01	+7.0000E+03	+6.8830E+03	+1.6710E+00	+1.0488E-01
16	+7.6200E+01	+7.5000E+03	+7.3827E+03	+1.5645E+00	+9.1364E-02
17	+9.1440E+01	+7.8000E+03	+7.8560E+03	-7.1746E-01	+8.4471E-02
18	+1.2192E+02	+8.5000E+03	+8.6080E+03	-1.2707E+00	+7.1131E-02
19	+1.5240E+02	+9.1750E+03	+9.0504E+03	+1.3579E+00	+6.1050E-02

CORRELATION MATRIX:

	1	2	3	4	5	6	7
1	+1.00	-.92	+.88	-.59	+.40	-.75	+.31
2	-.92	+1.00	-.99	+.75	-.55	+.87	-.25
3	+.88	-.99	+1.00	-.83	+.64	-.89	+.18
4	-.59	+.75	-.83	+1.00	-.95	+.74	+.34
5	+.40	-.55	+.64	-.95	+1.00	-.61	-.56
6	-.75	+.87	-.89	+.74	-.61	+1.00	-.30
7	+.31	-.25	+.18	+.34	-.56	-.30	+1.00

REDUCED CHI-SQUARED=14.32

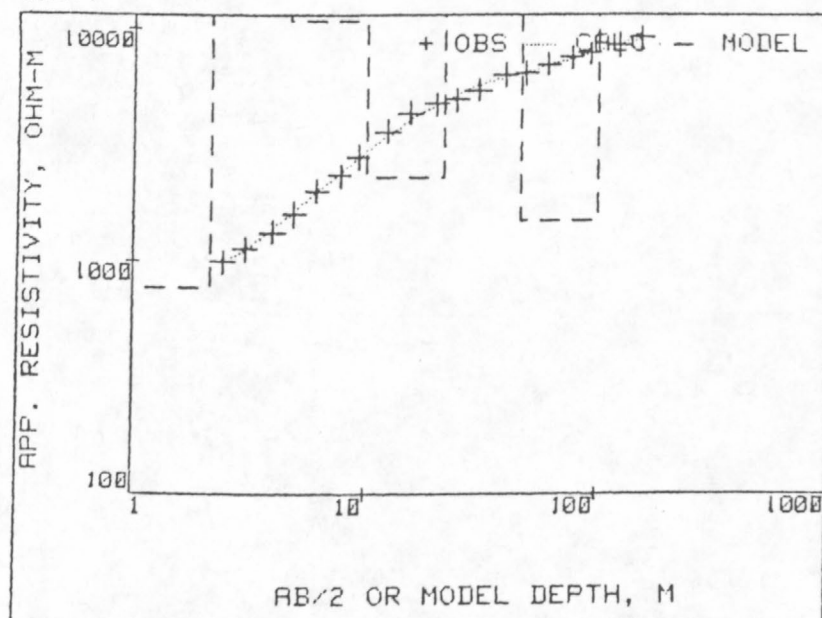
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DCLAG: ***** END *****
 COORDINATES: 155.2797 19.4353
 ELEVATION : 1213 METER
 AZIMUTH : EW

VES11

RESISTIVITY			THICKNESS			DEPTH	ELEV
766.6	768.2	769.7	2.2	2.2	2.2	0.0	1213.0
30187.3	32896.5	35848.8	2.5	2.5	2.5	2.2	1210.8
9564.5	10927.6	12485.0	5.4	5.4	5.4	4.6	1208.4
2203.9	2274.7	2347.7	11.5	11.5	11.5	10.0	1203.0
43917.6	46761.0	49788.5	24.9	24.9	24.9	21.5	1191.5
1331.2	1511.4	1715.9	53.6	53.6	53.6	46.4	1166.6
0.0	905382.4					100.0	1113.0

VES11



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+7.5294E+03	+7.9652E+03	-5.7879E+00	+8.1495E-04
2	+3.0480E+00	+7.0588E+03	+7.2546E+03	-2.7733E+00	+9.2723E-04
3	+3.9624E+00	+6.5882E+03	+6.1075E+03	+7.2969E+00	+1.0644E-03
4	+4.8768E+00	+4.9412E+03	+5.0194E+03	-1.5839E+00	+1.8923E-03
5	+6.0960E+00	+4.0000E+03	+3.7952E+03	+5.1203E+00	+2.8876E-03
6	+7.6200E+00	+2.6987E+03	+2.6536E+03	+1.6717E+00	+6.3438E-03
7	+9.1440E+00	+2.0267E+03	+1.8649E+03	+7.9819E+00	+1.1248E-02
8	+1.2192E+01	+8.6400E+02	+9.5663E+02	-1.0721E+01	+6.1890E-02
9	+1.5240E+01	+5.1093E+02	+5.3030E+02	-3.7897E+00	+1.7698E-01
10	+1.9812E+01	+2.7733E+02	+2.6540E+02	+4.3014E+00	+6.0068E-01
11	+2.4384E+01	+1.7600E+02	+1.6359E+02	+7.0528E+00	+1.4915E+00
12	+3.0480E+01	+1.1200E+02	+1.1288E+02	-7.8884E-01	+3.6831E+00
13	+3.9624E+01	+1.0300E+02	+1.0771E+02	-4.5704E+00	+4.3549E+00
14	+4.8768E+01	+1.2200E+02	+1.1594E+02	+4.9683E+00	+3.1041E+00
15	+6.0960E+01	+1.4500E+02	+1.4360E+02	+9.6447E-01	+2.1974E+00
16	+7.6200E+01	+1.8400E+02	+1.6243E+02	+1.1721E+01	+1.3646E+00
17	+9.1440E+01	+2.2300E+02	+1.8767E+02	+1.5844E+01	+9.2905E-01
18	+1.2192E+02	+2.7500E+02	+2.3705E+02	+1.3801E+01	+6.1092E-01
19	+1.5240E+02	+3.4000E+02	+2.8044E+02	+1.7518E+01	+3.9966E-01

CORRELATION MATRIX:

	1	2	3	4	5	6	7
1	+1.00	-.60	+.49	-.27	+.16	-.13	+.13
2	-.60	+1.00	-.84	+.58	-.42	+.28	-.27
3	+.49	-.84	+1.00	-.82	+.65	-.44	+.41
4	-.27	+.58	-.82	+1.00	-.91	+.68	-.64
5	+.16	-.42	+.65	-.91	+1.00	-.89	+.86
6	-.13	+.28	-.44	+.68	-.89	+1.00	-.99
7	+.13	-.27	+.41	-.64	+.86	-.99	+1.00

REDUCED CHI-SQUARED=120

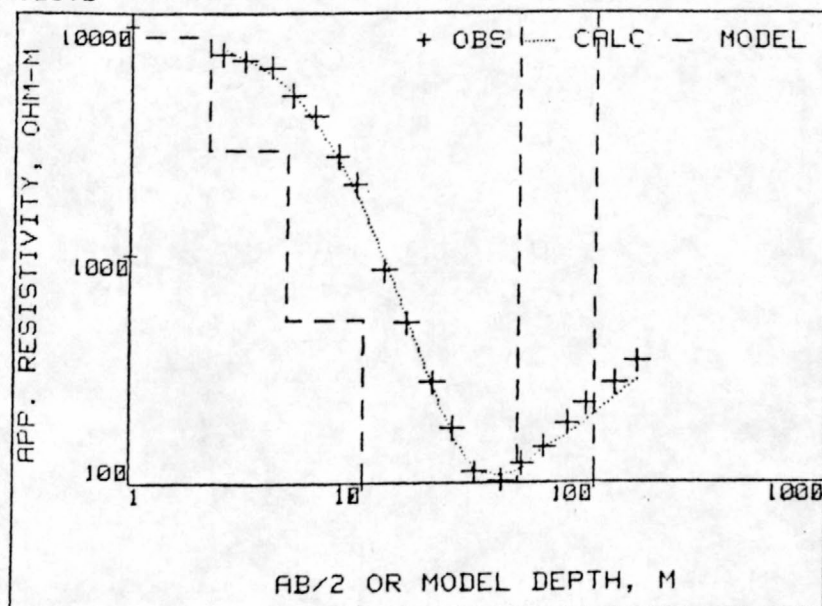
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DCLAG: ***** END *****
 COORDINATES: 155.2807 19.4017
 ELEVATION : 1110 METER
 AZIMUTH : EW

VES12

RESISTIVITY			THICKNESS			DEPTH	ELEV
8797.7	9120.6	9455.4	2.2	2.2	2.2	0.0	1110.0
2624.8	2847.9	3089.9	2.5	2.5	2.5	2.2	1107.8
456.9	524.8	602.8	5.4	5.4	5.4	4.6	1105.4
47.1	61.3	79.6	11.5	11.5	11.5	10.0	1100.0
48.6	67.1	92.7	24.9	24.9	24.9	21.5	1088.5
0.0	16210.1		53.6	53.6	53.6	46.4	1063.6
0.0	3.3					100.0	1010.0

VES12



MARQUARDT STATISTICS: VES13

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+9.1337E+03	+9.3366E+03	-2.2222E+00	+1.1151E-03
2	+3.0460E+00	+8.0591E+03	+8.1732E+03	-1.4161E+00	+1.4323E-03
3	+3.9624E+00	+6.2324E+03	+6.3792E+03	-2.3557E+00	+2.3950E-03
4	+4.8768E+00	+5.0289E+03	+4.7978E+03	+4.5958E+00	+3.6784E-03
5	+6.0960E+00	+3.5460E+03	+3.1999E+03	+9.7595E+00	+7.3982E-03
6	+7.6200E+00	+1.9294E+03	+1.9366E+03	-3.7314E-01	+2.4989E-02
7	+9.1440E+00	+1.0951E+03	+1.2181E+03	-1.1237E+01	+7.7572E-02
8	+1.2192E+01	+6.2577E+02	+5.7634E+02	+7.8984E+00	+2.3756E-01
9	+1.5240E+01	+3.4417E+02	+3.4391E+02	+7.6957E-02	+7.8534E-01
10	+1.9812E+01	+2.1589E+02	+2.1739E+02	-6.9449E-01	+1.9959E+00
11	+2.4384E+01	+1.6687E+02	+1.7282E+02	-3.5621E+00	+3.3408E+00
12	+3.0480E+01	+1.7000E+02	+1.6286E+02	+4.2010E+00	+3.2189E+00
13	+3.9624E+01	+1.9000E+02	+1.8919E+02	+4.2482E-01	+2.5769E+00
14	+4.8768E+01	+2.2500E+02	+2.2984E+02	-2.1527E+00	+1.8376E+00
15	+6.0960E+01	+2.7300E+02	+2.6779E+02	+1.9098E+00	+1.2482E+00
16	+7.6200E+01	+3.1000E+02	+3.1842E+02	-2.7177E+00	+9.6802E-01
17	+9.1440E+01	+3.7200E+02	+3.6630E+02	+1.5328E+00	+6.7224E-01

CORRELATION MATRIX:

	1	2	3	4	5	6
1	+1.00	-.62	+.39	-.28	+.22	-.13
2	-.62	+1.00	-.76	+.60	-.51	+.33
3	+.39	-.76	+1.00	-.86	+.78	-.54
4	-.28	+.60	-.86	+1.00	-.97	+.76
5	+.22	-.51	+.78	-.97	+1.00	-.89
6	-.13	+.33	-.54	+.76	-.89	+1.00

REDUCED CHI-SQUARED=36.67

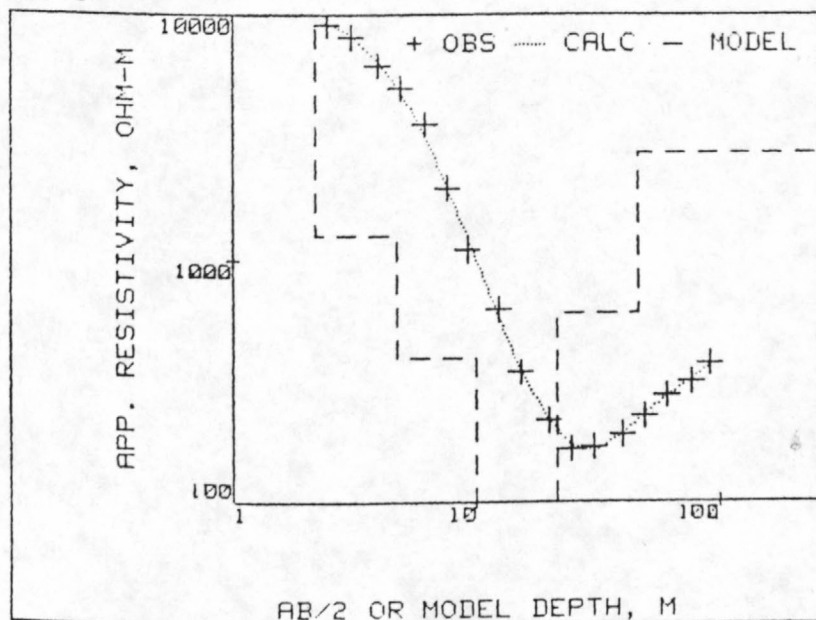
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DCLAG: ***** END *****
 COORDINATES: 155.2812 19.4032
 ELEVATION : 1103 METER
 AZIMUTH : EW

VES13

RESISTIVITY			THICKNESS			DEPTH	ELEV
11161.8	11305.0	11449.9	2.2	2.2	2.2	0.0	1103.0
1190.6	1249.9	1312.2	2.5	2.5	2.5	2.2	1100.8
378.0	396.9	416.8	5.4	5.4	5.4	4.6	1098.4
53.4	59.6	66.4	11.5	11.5	11.5	10.0	1093.0
275.1	601.6	1315.3	24.9	24.9	24.9	21.5	1081.5
1181.2	2679.6	6078.8				46.4	1056.6

VES13



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+2.5003E+02	+2.4875E+02	+5.0967E-01	+4.9694E+00
2	+3.0480E+00	+2.7276E+02	+2.8183E+02	-3.3267E+00	+4.1757E+00
3	+3.9624E+00	+3.4094E+02	+3.3913E+02	+5.3208E-01	+2.6725E+00
4	+4.8768E+00	+4.1482E+02	+3.9963E+02	+3.6619E+00	+1.8054E+00
5	+6.0960E+00	+4.8869E+02	+4.7887E+02	+2.0087E+00	+1.3008E+00
6	+7.6200E+00	+5.4551E+02	+5.7133E+02	-4.7330E+00	+1.0439E+00
7	+9.1440E+00	+6.3643E+02	+6.5530E+02	-2.9650E+00	+7.6697E-01
8	+1.2192E+01	+8.3679E+02	+7.9976E+02	+4.4243E+00	+4.4366E-01
9	+1.5240E+01	+9.1929E+02	+9.1750E+02	+1.9475E-01	+3.6760E-01
10	+1.9812E+01	+1.0843E+03	+1.0559E+03	+2.6193E+00	+2.6423E-01
11	+2.4384E+01	+1.1786E+03	+1.1625E+03	+1.3664E+00	+2.2365E-01
12	+3.0480E+01	+1.2429E+03	+1.2746E+03	-2.5532E+00	+2.0111E-01
13	+3.9624E+01	+1.3929E+03	+1.4101E+03	-1.2366E+00	+1.6013E-01
14	+4.8768E+01	+1.5000E+03	+1.5285E+03	-1.9020E+00	+1.3807E-01
15	+6.0960E+01	+1.6500E+03	+1.6668E+03	-1.0197E+00	+1.1411E-01
16	+7.6200E+01	+1.8400E+03	+1.8037E+03	+1.9734E+00	+9.1757E-02
17	+9.1440E+01	+1.9500E+03	+1.8926E+03	+2.9456E+00	+8.1697E-02
18	+1.2192E+02	+1.9300E+03	+1.9314E+03	-7.1648E-02	+8.3399E-02
19	+1.5240E+02	+1.8000E+03	+1.8271E+03	-1.5066E+00	+9.5881E-02

CORRELATION MATRIX:

	1	2	3	4	5	6	7
1	+1.00	-.91	+.75	-.47	+.37	-.36	+.33
2	-.91	+1.00	-.94	+.69	-.58	+.56	-.52
3	+.75	-.94	+1.00	-.88	+.79	-.77	+.72
4	-.47	+.69	-.88	+1.00	-.98	+.96	-.93
5	+.37	-.58	+.79	-.98	+1.00	-1.00	+.98
6	-.36	+.56	-.77	+.96	-1.00	+1.00	-.99
7	+.33	-.52	+.72	-.93	+.98	-.99	+1.00

REDUCED CHI-SQUARED=10.56

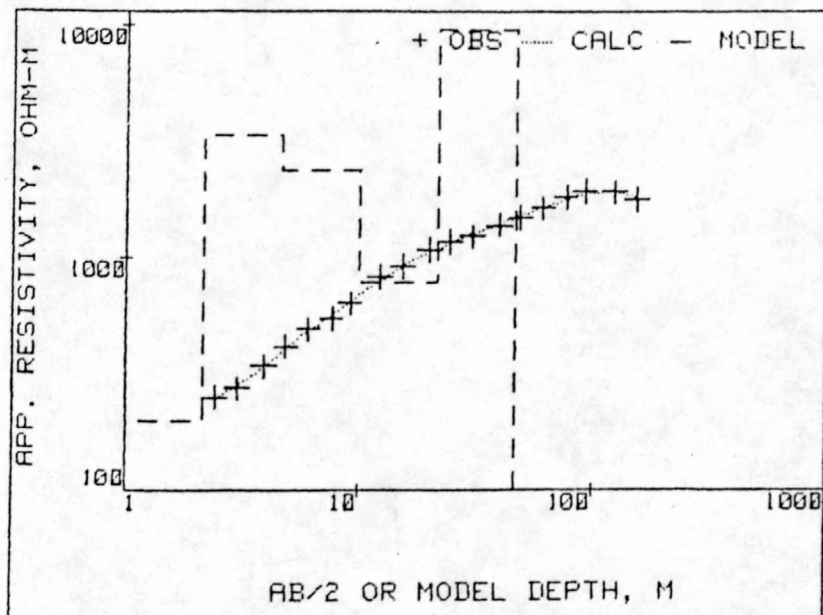
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DCLAG: ***** END *****
 COORDINATES: 155.2523 19.3922
 ELEVATION : 1097 METER
 AZIMUTH : *N32W*

VES14

RESISTIVITY			THICKNESS			DEPTH	ELEV
196.6	198.1	199.7	2.2	2.2	2.2	0.0	1097.0
2804.1	3380.5	4075.5	2.5	2.5	2.5	2.2	1094.8
1912.9	2391.8	2990.5	5.4	5.4	5.4	4.6	1092.4
629.3	785.1	979.5	11.5	11.5	11.5	10.0	1087.0
2890.8	9610.3	31949.6	24.9	24.9	24.9	21.5	1075.5
0.0	17.4		53.6	53.6	53.6	46.4	1050.6
0.0	18.3					100.0	997.0

VES14



MARQUARDT STATISTICS: VES15

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FM
1	+2.4384E+00	+8.9740E+03	+8.8688E+03	+1.1725E+00	+8.9545E-02
2	+3.0480E+00	+9.0386E+03	+9.0170E+03	+2.3866E-01	+8.8270E-02
3	+3.9624E+00	+9.2968E+03	+9.2467E+03	+5.3851E-01	+8.3434E-02
4	+4.8768E+00	+9.6842E+03	+9.4530E+03	+2.3870E+00	+7.6893E-02
5	+6.0960E+00	+9.6196E+03	+9.6750E+03	-5.7562E-01	+7.7928E-02
6	+7.6200E+00	+9.8133E+03	+9.8920E+03	-8.0253E-01	+7.4883E-02
7	+9.1440E+00	+1.0007E+04	+1.0088E+04	-8.1444E-01	+7.2012E-02
8	+1.2192E+01	+1.0607E+04	+1.0540E+04	+6.3368E-01	+6.4090E-02
9	+1.5240E+01	+1.1275E+04	+1.1103E+04	+1.5209E+00	+5.6730E-02
10	+1.9812E+01	+1.1942E+04	+1.2012E+04	-5.9252E-01	+5.0569E-02
11	+2.4384E+01	+1.2609E+04	+1.2801E+04	-1.5243E+00	+4.5359E-02
12	+3.0480E+01	+1.3009E+04	+1.3499E+04	-3.7659E+00	+4.2611E-02
13	+3.9624E+01	+1.4496E+04	+1.3829E+04	+4.5981E+00	+3.4318E-02
14	+4.8768E+01	+1.3752E+04	+1.3589E+04	+1.1865E+00	+3.8129E-02
15	+6.0960E+01	+1.3195E+04	+1.2864E+04	+2.5077E+00	+4.1419E-02
16	+7.6200E+01	+1.1517E+04	+1.1820E+04	-2.6340E+00	+5.4367E-02
17	+9.1440E+01	+1.0678E+04	+1.0884E+04	-1.9282E+00	+6.3246E-02
18	+1.2192E+02	+9.6102E+03	+9.4903E+03	+1.2470E+00	+7.8082E-02
19	+1.5240E+02	+8.0085E+03	+8.2490E+03	-3.0032E+00	+1.1244E-01
20	+1.9812E+02	+6.7119E+03	+6.8635E+03	-2.2589E+00	+1.6008E-01
21	+2.4384E+02	+5.8729E+03	+5.6324E+03	+4.0944E+00	+2.0908E-01
22	+3.0480E+02	+4.5000E+03	+4.3474E+03	+3.3907E+00	+3.5611E-01
23	+3.9624E+02	+3.0900E+03	+3.0593E+03	+9.9266E-01	+7.5526E-01
24	+4.8768E+02	+2.0390E+03	+2.2653E+03	-1.1100E+01	+1.7345E+00
25	+6.0960E+02	+1.7700E+03	+1.6332E+03	+7.7285E+00	+2.3018E+00
26	+7.6200E+02	+1.1900E+03	+1.1222E+03	+5.6951E+00	+5.0923E+00
27	+9.1440E+02	+6.9000E+02	+7.6214E+02	-1.0455E+01	+1.5147E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.66	+.49	-.48	+.46	-.24	+.26	-.14	+.18
2	-.66	+1.00	-.90	+.73	-.63	+.36	-.40	+.23	-.29
3	+.49	-.90	+1.00	-.84	+.69	-.45	+.50	-.37	+.42
4	-.48	+.73	-.84	+1.00	-.92	+.71	-.73	+.58	-.64
5	+.46	-.63	+.69	-.92	+1.00	-.89	+.89	-.72	+.78
6	-.24	+.36	-.45	+.71	-.89	+1.00	-.98	+.84	-.88
7	+.26	-.40	+.50	-.73	+.89	-.98	+1.00	-.91	+.93
8	-.14	+.23	-.37	+.58	-.72	+.84	-.91	+1.00	-.99
9	+.18	-.29	+.42	-.64	+.78	-.88	+.93	-.99	+1.00

REDUCED CHI-SQUARED=25.75

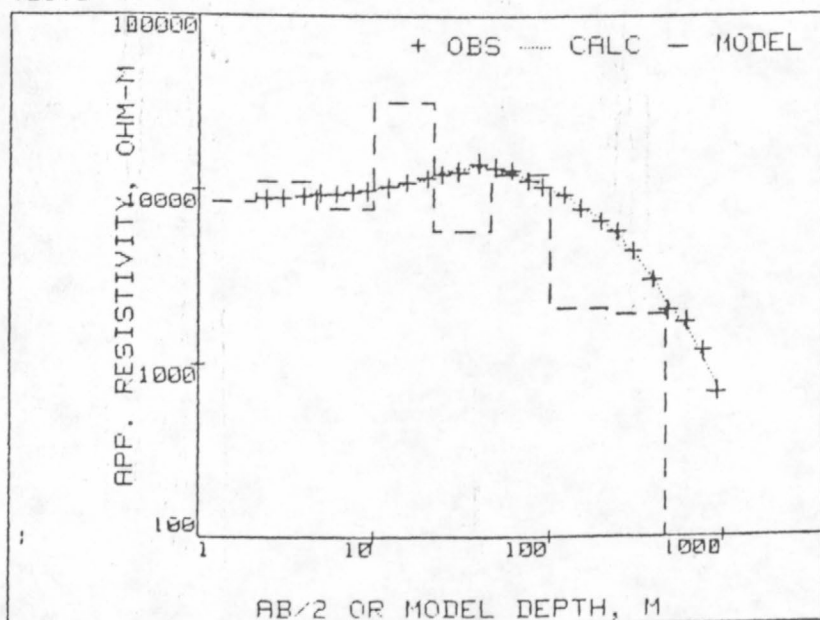
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DCLAG: ***** END *****
 COORDINATES: 155.2985 19.4362
 ELEVATION : 1210 METER
 AZIMUTH : *NSSW*

VES15

RESISTIVITY			THICKNESS			DEPTH	ELEV
8607.3	8618.3	8629.3	2.2	2.2	2.2	0.0	1210.0
11239.4	11296.2	11353.4	2.5	2.5	2.5	2.2	1207.8
7947.8	7993.8	8040.1	5.4	5.4	5.4	4.6	1205.4
31626.7	31855.3	32085.6	11.5	11.5	11.5	10.0	1200.0
5838.0	5918.7	6000.4	24.9	24.9	24.9	21.5	1189.5
12298.5	12420.7	12544.0	53.6	53.6	53.6	46.4	1163.6
2043.4	2101.1	2160.3	115.4	115.4	115.4	100.0	1110.0
1948.7	1976.1	2003.8	248.7	248.7	248.7	215.4	994.6
6.9	15.5	34.8				464.2	745.8

VES15



TOLERANCE= .001 SCALEOPT= 1
 TOLERANCE= .001 SCALEOPT= 1

MARQUARDT STATISTICS: VES16

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.4384E+00	+3.7569E+03	+3.1033E+03	+1.7396E+01	+4.6553E-01
2	+3.0480E+00	+2.8424E+03	+2.9432E+03	-3.5470E+00	+8.1329E-01
3	+3.9624E+00	+2.3985E+03	+2.7133E+03	-1.3128E+01	+1.1422E+00
4	+4.8768E+00	+2.4835E+03	+2.5368E+03	-2.1482E+00	+1.0653E+00
5	+6.0960E+00	+2.3411E+03	+2.4037E+03	-2.6737E+00	+1.1988E+00
6	+7.6200E+00	+2.5804E+03	+2.3657E+03	+8.3181E+00	+9.8682E-01
7	+9.1440E+00	+2.4795E+03	+2.4056E+03	+2.9829E+00	+1.0687E+00
8	+1.2192E+01	+2.6245E+03	+2.5386E+03	+3.2706E+00	+9.5396E-01
9	+1.5240E+01	+2.6117E+03	+2.6358E+03	-9.2260E-01	+9.6332E-01
10	+1.9812E+01	+2.5946E+03	+2.6959E+03	-3.9053E+00	+9.7602E-01
11	+2.4384E+01	+2.6863E+03	+2.7138E+03	-1.0258E+00	+9.1057E-01
12	+3.0480E+01	+2.7374E+03	+2.7500E+03	-4.6106E-01	+8.7686E-01
13	+3.9624E+01	+2.9685E+03	+2.9190E+03	+1.6694E+00	+7.4564E-01
14	+4.8768E+01	+3.2131E+03	+3.1554E+03	+1.7950E+00	+6.3645E-01
15	+6.0960E+01	+3.5407E+03	+3.5210E+03	+5.5612E-01	+5.2412E-01
16	+7.6200E+01	+3.9322E+03	+3.9403E+03	-2.0613E-01	+4.2494E-01
17	+9.1440E+01	+4.3445E+03	+4.2713E+03	+1.6848E+00	+3.4812E-01
18	+1.2192E+02	+4.6469E+03	+4.6596E+03	-2.7177E-01	+3.0428E-01
19	+1.5240E+02	+4.7088E+03	+4.7566E+03	-1.0142E+00	+2.9633E-01
20	+1.9812E+02	+4.4122E+03	+4.5335E+03	-2.7486E+00	+3.3752E-01
21	+2.4384E+02	+4.2697E+03	+4.1172E+03	+3.5718E+00	+3.6042E-01
22	+3.0480E+02	+3.6052E+03	+3.4781E+03	+3.5249E+00	+5.0553E-01
23	+3.9624E+02	+2.5950E+03	+2.6400E+03	-1.7345E+00	+9.7573E-01
24	+4.8768E+02	+1.9290E+03	+2.0464E+03	-6.0886E+00	+1.7658E+00
25	+6.0960E+02	+1.6910E+03	+1.5486E+03	+8.4228E+00	+2.2978E+00
26	+7.6200E+02	+1.1400E+03	+1.1789E+03	-3.4132E+00	+5.0559E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.68	+.38	-.20	+.15	-.09	-.36	+.28	-.26
2	-.68	+1.00	-.78	+.50	-.43	+.36	+.58	-.45	+.43
3	+.38	-.78	+1.00	-.85	+.78	-.75	-.63	+.52	-.50
4	-.20	+.50	-.85	+1.00	-.98	+.95	+.70	-.61	+.59
5	+.15	-.43	+.78	-.98	+1.00	-.99	-.69	+.63	-.61
6	-.09	+.36	-.75	+.95	-.99	+1.00	+.62	-.58	+.56
7	-.36	+.58	-.63	+.70	-.69	+.62	+1.00	-.96	+.94
8	+.28	-.45	+.52	-.61	+.63	-.58	-.96	+1.00	-1.00
9	-.26	+.43	-.50	+.59	-.61	+.56	+.94	-1.00	+1.00

REDUCED CHI-SQUARED=48.2
PHI=771.18

DCLAG: ***** END *****

VES16

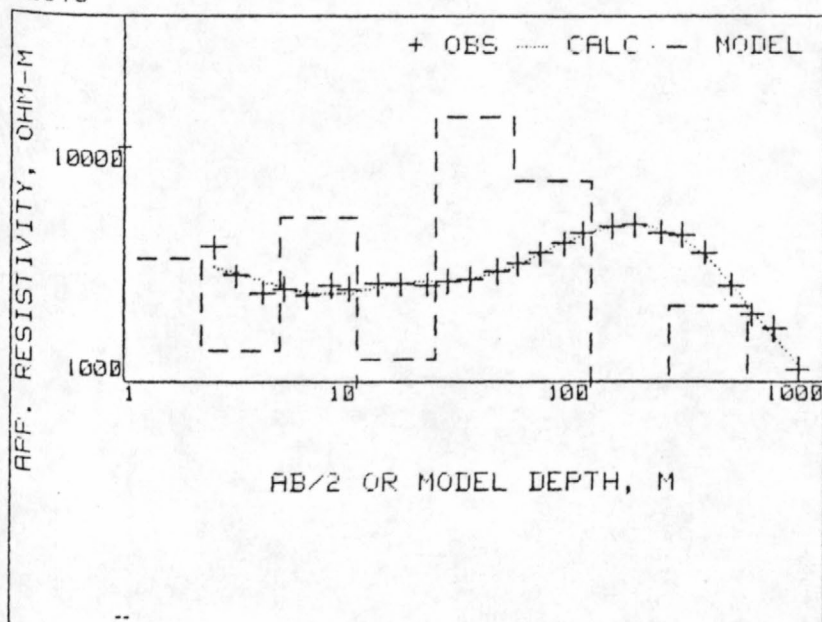
COORDINATES: 155.2985 19.3955

ELEVATION : 1106 METER

AZIMUTH : *N35 W*

RESISTIVITY			THICKNESS			DEPTH	ELEV
3380.4	3388.6	3396.8	2.2	2.2	2.2	0.0	1106.0
1334.6	1342.2	1349.8	2.5	2.5	2.5	2.2	1103.8
5022.1	5069.6	5117.7	5.4	5.4	5.4	4.6	1101.4
1236.8	1253.6	1270.7	11.5	11.5	11.5	10.0	1096.0
12854.9	13572.5	14330.2	24.9	24.9	24.9	21.5	1084.5
6911.7	7202.7	7506.0	53.6	53.6	53.6	46.4	1059.6
732.3	770.9	811.4	115.4	115.4	115.4	100.0	1006.0
1886.7	2092.3	2320.4	248.7	248.7	248.7	215.4	890.6
0.0	14.8	24065.8				464.2	641.8

VES16



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.9500E+00	+8.1712E+03	+8.8296E+03	-9.0579E+00	+3.7581E-01
2	+4.8800E+00	+1.0619E+04	+1.0280E+04	+3.1962E+00	+2.2252E-01
3	+6.1000E+00	+1.2883E+04	+1.2093E+04	+6.2106E+00	+1.5118E-01
4	+7.6200E+00	+1.5078E+04	+1.4035E+04	+6.9212E+00	+1.1037E-01
5	+9.1400E+00	+1.5661E+04	+1.5650E+04	+6.8724E-02	+1.0231E-01
6	+1.2190E+01	+1.6951E+04	+1.8039E+04	-6.4132E+00	+8.7322E-02
7	+1.5240E+01	+1.8678E+04	+1.9552E+04	-4.6824E+00	+7.1928E-02
8	+1.9800E+01	+2.1591E+04	+2.0734E+04	+3.9682E+00	+5.3826E-02
9	+2.4400E+01	+2.1316E+04	+2.1133E+04	+8.6007E-01	+5.5222E-02
10	+3.0500E+01	+2.2384E+04	+2.1027E+04	+6.0614E+00	+5.0080E-02
11	+3.9600E+01	+1.8752E+04	+2.0310E+04	-8.3071E+00	+7.1357E-02
12	+4.8800E+01	+1.9616E+04	+1.9428E+04	+9.5827E-01	+6.5209E-02
13	+6.1000E+01	+1.8847E+04	+1.8366E+04	+2.5533E+00	+7.0640E-02
14	+7.6200E+01	+1.7648E+04	+1.7349E+04	+1.6982E+00	+8.0561E-02
15	+9.1400E+01	+1.6865E+04	+1.6582E+04	+1.6810E+00	+8.8219E-02
16	+1.2200E+02	+1.5532E+04	+1.5464E+04	+4.3912E-01	+1.0401E-01
17	+1.5200E+02	+1.3797E+04	+1.4492E+04	-5.0336E+00	+1.3181E-01
18	+1.9800E+02	+1.2073E+04	+1.2836E+04	-6.3358E+00	+1.7214E-01
19	+2.4400E+02	+1.1886E+04	+1.1194E+04	+5.8171E+00	+1.7762E-01
20	+3.0500E+02	+9.4300E+03	+9.1691E+03	+2.7671E+00	+2.8217E-01
21	+3.9600E+02	+8.2290E+03	+6.8940E+03	+1.6223E+01	+3.7055E-01
22	+4.8800E+02	+4.6730E+03	+5.2855E+03	-1.3108E+01	+1.1491E+00
23	+6.1000E+02	+3.7920E+03	+3.9448E+03	-4.0305E+00	+1.7450E+00
24	+7.6200E+02	+3.1130E+03	+3.0029E+03	+3.5352E+00	+2.5893E+00
25	+9.1400E+02	+2.3860E+03	+2.2689E+03	+4.9072E+00	+4.4076E+00
26	+1.2200E+03	+1.3780E+03	+1.4177E+03	-2.8817E+00	+1.3214E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.88	+.75	-.50	+.31	-.19	+.30	-.15	+.13	-.10
2	-.88	+1.00	-.96	+.75	-.53	+.35	-.45	+.24	-.22	+.18
3	+.75	-.96	+1.00	-.90	+.70	-.50	+.57	-.33	+.31	-.25
4	-.50	+.75	-.90	+1.00	-.92	+.73	-.75	+.48	-.45	+.40
5	+.31	-.53	+.70	-.92	+1.00	-.92	+.89	-.65	+.61	-.55
6	-.19	+.35	-.50	+.73	-.92	+1.00	-.97	+.83	-.77	+.71
7	+.30	-.45	+.57	-.75	+.89	-.97	+1.00	-.90	+.85	-.79
8	-.15	+.24	-.33	+.48	-.65	+.83	-.90	+1.00	-.98	+.96
9	+.13	-.22	+.31	-.45	+.61	-.77	+.85	-.98	+1.00	-.99
10	-.10	+.18	-.25	+.40	-.55	+.71	-.79	+.96	-.99	+1.00

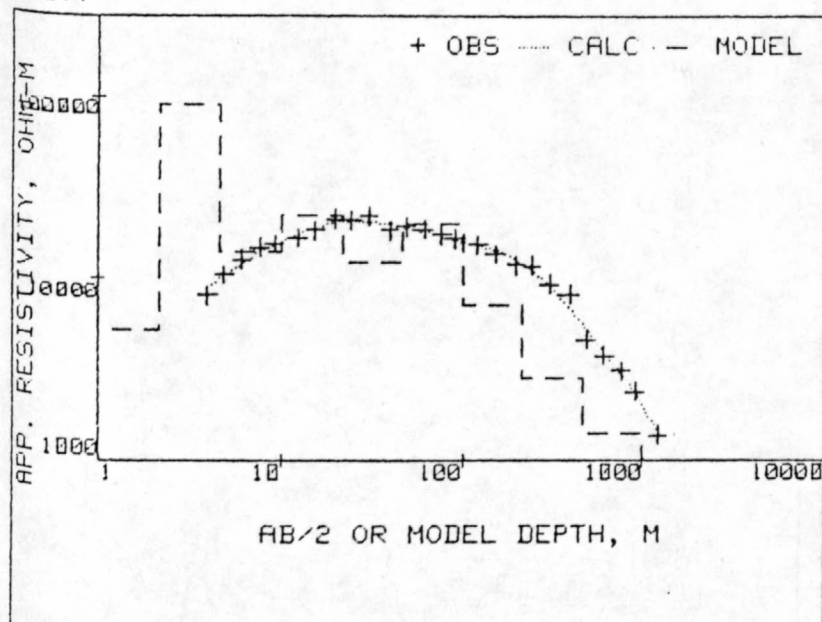
REDUCED CHI-SQUARED=64.22
PHI=963.37

DCLAG: ***** END *****
 COORDINATES: 155.2772 19.3758
 ELEVATION : 1060 METER
 AZIMUTH : *N22E*

VES17

RESISTIVITY			THICKNESS			DEPTH	ELEV
5288.6	5300.1	5311.7	2.2	2.2	2.2	0.0	1060.0
87081.1	89129.0	91225.1	2.5	2.5	2.5	2.2	1057.8
13212.3	13997.6	14829.6	5.4	5.4	5.4	4.6	1055.4
21838.5	22578.4	23343.4	11.5	11.5	11.5	10.0	1050.0
12175.2	12455.4	12742.1	24.9	24.9	24.9	21.5	1038.5
20019.4	20353.9	20694.1	53.6	53.6	53.6	46.4	1013.6
6936.0	7135.1	7340.0	115.4	115.4	115.4	100.0	960.0
2743.8	2819.4	2897.0	248.7	248.7	248.7	215.4	844.6
1332.8	1409.7	1491.0	535.8	535.8	535.8	464.2	595.8
.3	13.8	646.3				1000.0	60.0

VES17



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+2.2252E+03	+2.1174E+03	+4.8458E+00	+9.1641E-01
2	+3.9624E+00	+2.0745E+03	+2.0266E+03	+2.3082E+00	+1.0514E+00
3	+4.8768E+00	+1.9302E+03	+1.9286E+03	+8.0365E-02	+1.2180E+00
4	+6.0960E+00	+1.7721E+03	+1.8025E+03	-1.7183E+00	+1.4450E+00
5	+7.6200E+00	+1.6774E+03	+1.6676E+03	+5.8321E-01	+1.6127E+00
6	+9.1440E+00	+1.5515E+03	+1.5701E+03	-1.1972E+00	+1.8851E+00
7	+1.2192E+01	+1.5524E+03	+1.4935E+03	+3.7940E+00	+1.8829E+00
8	+1.5240E+01	+1.5260E+03	+1.5418E+03	-1.0405E+00	+1.9487E+00
9	+1.9812E+01	+1.6591E+03	+1.7412E+03	-4.9508E+00	+1.6486E+00
10	+2.4384E+01	+1.8523E+03	+1.9978E+03	-7.8528E+00	+1.3225E+00
11	+3.0480E+01	+2.3190E+03	+2.3482E+03	-1.2571E+00	+8.4376E-01
12	+3.9624E+01	+2.9573E+03	+2.8342E+03	+4.1629E+00	+5.1985E-01
13	+4.8768E+01	+3.3859E+03	+3.2595E+03	+3.7335E+00	+3.9581E-01
14	+6.0960E+01	+3.8838E+03	+3.7401E+03	+3.6982E+00	+3.0083E-01
15	+7.6200E+01	+4.2300E+03	+4.2157E+03	+3.3903E-01	+2.5360E-01
16	+9.1440E+01	+4.5856E+03	+4.5758E+03	+2.1545E-01	+2.1579E-01
17	+1.2192E+02	+5.0666E+03	+5.0346E+03	+6.3143E-01	+1.7676E-01
18	+1.5240E+02	+5.2073E+03	+5.2485E+03	-7.9130E-01	+1.6734E-01
19	+1.9812E+02	+5.2545E+03	+5.2774E+03	-4.3559E-01	+1.6435E-01
20	+2.4384E+02	+4.8661E+03	+5.0893E+03	-4.5880E+00	+1.9163E-01
21	+3.0480E+02	+4.9060E+03	+4.6481E+03	+5.2570E+00	+1.8853E-01
22	+3.9624E+02	+4.0160E+03	+3.8068E+03	+5.2090E+00	+2.8135E-01
23	+4.8768E+02	+3.2560E+03	+2.9667E+03	+8.8857E+00	+4.2802E-01
24	+6.0960E+02	+1.8960E+03	+1.9467E+03	-2.6752E+00	+1.2623E+00
25	+7.6200E+02	+9.8500E+02	+1.0971E+03	-1.1385E+01	+4.6769E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.43	+.20	-.16	+.16	-.20	+.22	-.17	+.08
2	-.43	+1.00	-.83	+.73	-.56	+.50	-.52	+.55	-.62
3	+.20	-.83	+1.00	-.96	+.78	-.68	+.69	-.75	+.87
4	-.16	+.73	-.96	+1.00	-.91	+.80	-.78	+.84	-.94
5	+.16	-.56	+.78	-.91	+1.00	-.96	+.90	-.93	+.92
6	-.20	+.50	-.68	+.80	-.96	+1.00	-.97	+.96	-.88
7	+.22	-.52	+.69	-.78	+.90	-.97	+1.00	-.99	+.88
8	-.17	+.55	-.75	+.84	-.93	+.96	-.99	+1.00	-.94
9	+.08	-.62	+.87	-.94	+.92	-.88	+.88	-.94	+1.00

REDUCED CHI-SQUARED=31.64

PHI=474.65

DCLAG: ***** END *****

VES18

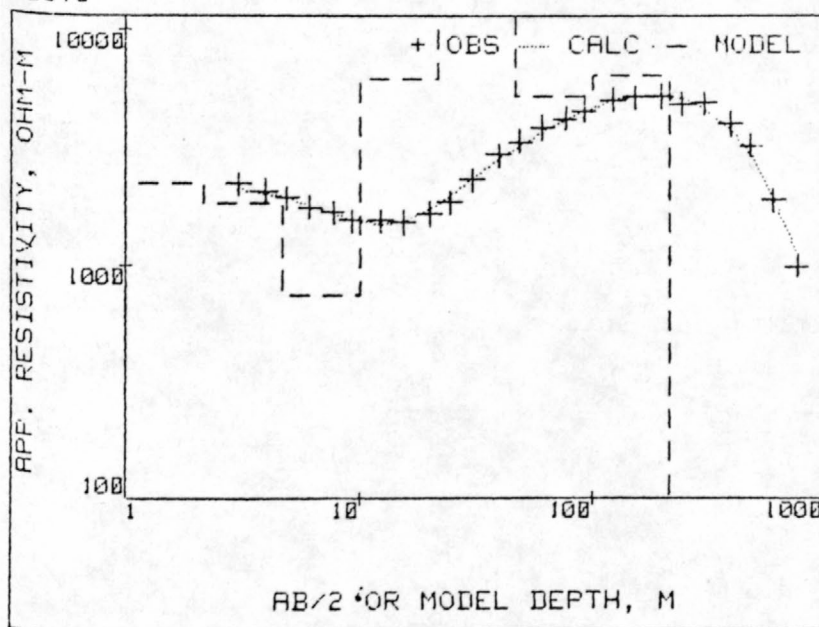
COORDINATES: 155.2703 19.4

ELEVATION : 1125 METER

AZIMUTH : *N85E*

RESISTIVITY			THICKNESS			DEPTH	ELEV
2239.6	2243.6	2247.6	2.2	2.2	2.2	0.0	1125.0
1830.6	1841.7	1852.9	2.5	2.5	2.5	2.2	1122.8
728.0	737.4	746.9	5.4	5.4	5.4	4.6	1120.4
5753.4	6157.2	6589.3	11.5	11.5	11.5	10.0	1115.0
10974.8	11639.2	12343.8	24.9	24.9	24.9	21.5	1103.5
4897.8	5250.9	5629.3	53.6	53.6	53.6	46.4	1078.6
6041.7	6405.5	6791.3	115.4	115.4	115.4	100.0	1025.0
.7	48.7	3362.4	248.7	248.7	248.7	215.4	909.6
.1	13.5	1658.5				464.2	660.8

VES18



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.1000E+00	+2.2057E+03	+2.2409E+03	-1.5936E+00	+2.3559E-01
2	+4.0000E+00	+2.4080E+03	+2.3910E+03	+7.0571E-01	+1.9768E-01
3	+4.9000E+00	+2.5284E+03	+2.5171E+03	+4.4722E-01	+1.7930E-01
4	+6.1000E+00	+2.6596E+03	+2.6331E+03	+9.9931E-01	+1.6204E-01
5	+7.6000E+00	+2.7030E+03	+2.7045E+03	-5.6933E-02	+1.5689E-01
6	+9.1000E+00	+2.7054E+03	+2.7238E+03	-6.8073E-01	+1.5661E-01
7	+1.2200E+01	+2.7948E+03	+2.7106E+03	+3.0152E+00	+1.4674E-01
8	+1.5200E+01	+2.5743E+03	+2.7191E+03	-5.6246E+00	+1.7296E-01
9	+1.9800E+01	+2.9161E+03	+2.8303E+03	+2.9451E+00	+1.3479E-01
10	+2.4400E+01	+3.0607E+03	+3.0250E+03	+1.1672E+00	+1.2236E-01
11	+3.0500E+01	+3.3854E+03	+3.3320E+03	+1.5772E+00	+1.0001E-01
12	+3.9600E+01	+3.6448E+03	+3.7756E+03	-3.5907E+00	+8.6285E-02
13	+4.8800E+01	+4.1763E+03	+4.1566E+03	+4.7132E-01	+6.5719E-02
14	+6.1000E+01	+4.5408E+03	+4.5428E+03	-4.5301E-02	+5.5592E-02
15	+7.6000E+01	+4.9800E+03	+4.8640E+03	+2.3303E+00	+4.6218E-02
16	+9.1000E+01	+4.9695E+03	+5.0536E+03	-1.6933E+00	+4.6414E-02
17	+1.2200E+02	+5.1805E+03	+5.1832E+03	-5.1225E-02	+4.2710E-02
18	+1.5200E+02	+5.1353E+03	+5.1145E+03	+4.0558E-01	+4.3465E-02
19	+1.9800E+02	+4.8543E+03	+4.8345E+03	+4.0779E-01	+4.8643E-02
20	+2.4400E+02	+4.4840E+03	+4.4590E+03	+5.5673E-01	+5.7010E-02
21	+3.0500E+02	+3.8520E+03	+3.9030E+03	-1.3231E+00	+7.7250E-02
22	+3.9600E+02	+3.0550E+03	+3.0778E+03	-7.4485E-01	+1.2281E-01
23	+4.8800E+02	+2.3720E+03	+2.3461E+03	+1.0908E+00	+2.0372E-01
24	+6.1000E+02	+1.6400E+03	+1.6164E+03	+1.4390E+00	+4.2617E-01
25	+7.6000E+02	+9.3100E+02	+9.5010E+02	-2.0515E+00	+1.3224E+00
26	+9.1000E+02	+5.8600E+02	+5.8091E+02	+8.6852E-01	+3.3379E+00
27	+1.2200E+03	+2.4400E+02	+2.4423E+02	-9.2517E-02	+1.9253E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.86	+.70	-.62	+.39	-.22	+.17	-.17	+.16	-.16
2	-.86	+1.00	-.92	+.84	-.57	+.35	-.26	+.24	-.21	+.21
3	+.70	-.92	+1.00	-.97	+.75	-.51	+.36	-.33	+.28	-.27
4	-.62	+.84	-.97	+1.00	-.87	+.65	-.47	+.44	-.36	+.35
5	+.39	-.57	+.75	-.87	+1.00	-.91	+.72	-.67	+.56	-.53
6	-.22	+.35	-.51	+.65	-.91	+1.00	-.92	+.86	-.75	+.72
7	+.17	-.26	+.36	-.47	+.72	-.92	+1.00	-.98	+.91	-.89
8	-.17	+.24	-.33	+.44	-.67	+.86	-.98	+1.00	-.97	+.95
9	+.16	-.21	+.28	-.36	+.56	-.75	+.91	-.97	+1.00	-1.00
10	-.16	+.21	-.27	+.35	-.53	+.72	-.89	+.95	-1.00	+1.00

REDUCED CHI-SQUARED=5.659

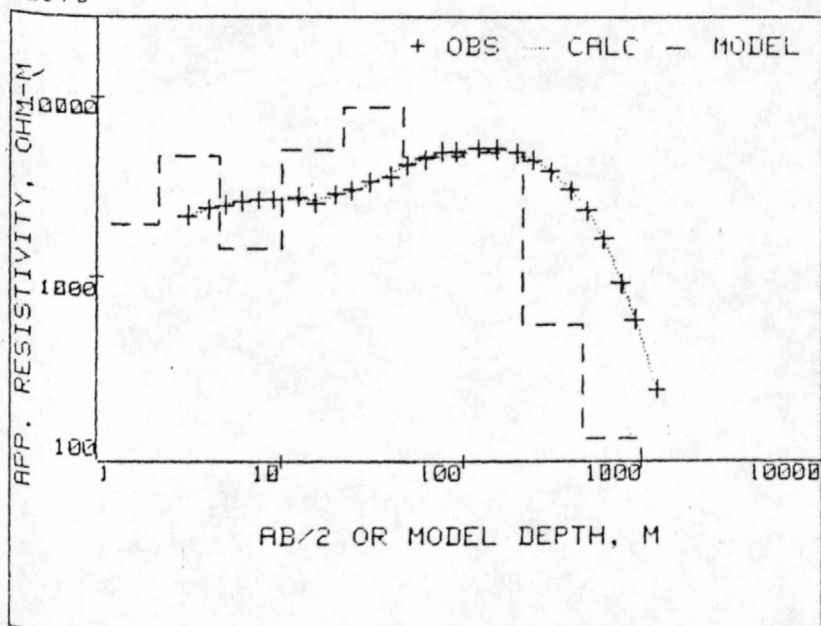
PHI=90.548

DCLAG: ***** END *****
 COORDINATES: 155.2818 19.3903
 ELEVATION : 1085 METER
 AZIMUTH : *N43W*

VES19

RESISTIVITY			THICKNESS			DEPTH	ELEV
1950.9	1957.4	1964.0	2.2	2.2	2.2	0.0	1085.0
4638.1	4690.4	4743.3	2.5	2.5	2.5	2.2	1082.8
1406.8	1436.1	1466.0	5.4	5.4	5.4	4.6	1080.4
4867.3	5078.5	5299.0	11.5	11.5	11.5	10.0	1075.0
8530.5	8780.2	9037.1	24.9	24.9	24.9	21.5	1063.5
4554.5	4685.7	4820.8	53.6	53.6	53.6	46.4	1036.6
4815.4	4930.2	5047.8	115.4	115.4	115.4	100.0	985.0
494.4	556.6	626.6	248.7	248.7	248.7	215.4	869.6
101.7	132.9	173.6	535.8	535.8	535.8	464.2	620.8
0.0	2.4	7138.5				1000.0	85.0

VES19



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1440E+00	+1.2958E+04	+1.4302E+04	-1.0372E+01	+3.8361E-02
2	+1.2192E+01	+1.6324E+04	+1.6132E+04	+1.1710E+00	+2.4174E-02
3	+1.5240E+01	+1.8743E+04	+1.7241E+04	+8.0099E+00	+1.8336E-02
4	+1.9812E+01	+2.0562E+04	+1.7767E+04	+1.3592E+01	+1.5235E-02
5	+2.4384E+01	+1.8322E+04	+1.7401E+04	+5.0260E+00	+1.9188E-02
6	+3.0480E+01	+1.5572E+04	+1.6260E+04	-4.4189E+00	+2.6562E-02
7	+3.9624E+01	+1.2915E+04	+1.4282E+04	-1.0588E+01	+3.8619E-02
8	+4.8768E+01	+1.2903E+04	+1.2657E+04	+1.9083E+00	+3.8687E-02
9	+6.0960E+01	+1.1300E+04	+1.1241E+04	+5.2825E-01	+5.0441E-02
10	+7.6200E+01	+1.0410E+04	+1.0294E+04	+1.1176E+00	+5.9435E-02
11	+9.1440E+01	+9.4964E+03	+9.7817E+03	-3.0036E+00	+7.1425E-02
12	+1.2192E+02	+9.4885E+03	+8.9774E+03	+5.3869E+00	+7.1544E-02
13	+1.5240E+02	+8.6530E+03	+7.9184E+03	+8.4903E+00	+8.6027E-02
14	+1.9812E+02	+6.1623E+03	+6.6537E+03	-7.9746E+00	+1.6963E-01
15	+2.4384E+02	+5.3558E+03	+5.5094E+03	-2.8691E+00	+2.2456E-01
16	+3.0480E+02	+4.3700E+03	+4.3387E+03	+7.1621E-01	+3.3729E-01
17	+3.9624E+02	+3.2390E+03	+3.1578E+03	+2.5075E+00	+6.1388E-01
18	+4.8768E+02	+2.3820E+03	+2.4021E+03	-8.4548E-01	+1.1352E+00
19	+6.0960E+02	+1.7180E+03	+1.7350E+03	-9.9224E-01	+2.1824E+00
20	+7.6200E+02	+1.2470E+03	+1.1736E+03	+5.8868E+00	+4.1423E+00
21	+9.1440E+02	+7.4400E+02	+7.7923E+02	-4.7356E+00	+1.1637E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.78	+.69	-.60	+.54	-.03	+.13	+.02
2	-.78	+1.00	-.95	+.89	-.82	+.23	-.32	+.12
3	+.69	-.95	+1.00	-.98	+.93	-.37	+.43	-.22
4	-.60	+.89	-.98	+1.00	-.98	+.51	-.53	+.33
5	+.54	-.82	+.93	-.98	+1.00	-.66	+.65	-.47
6	-.03	+.23	-.37	+.51	-.66	+1.00	-.93	+.88
7	+.13	-.32	+.43	-.53	+.65	-.93	+1.00	-.97
8	+.02	+.12	-.22	+.33	-.47	+.88	-.97	+1.00

REDUCED CHI-SQUARED=63.96

PHI=767.47

DCLAG: ***** END *****

VES20

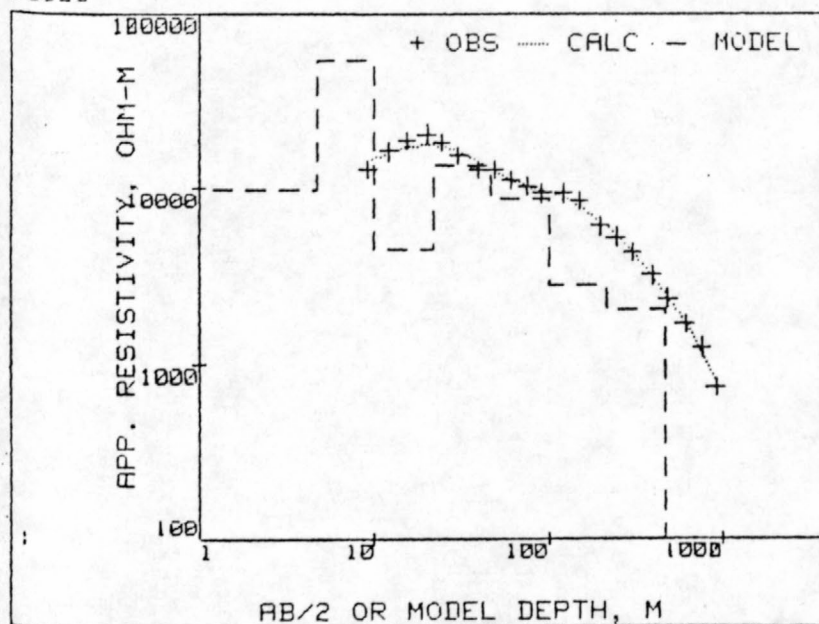
COORDINATES: 155.3025 19.379

ELEVATION : 1030 METER

AZIMUTH : *N43E*

RESISTIVITY			THICKNESS			DEPTH	ELEV
9782.5	9819.3	9856.3	4.6	4.6	4.6	0.0	1030.0
52834.0	53471.8	54117.4	5.4	5.4	5.4	4.6	1025.4
4235.3	4448.8	4673.1	11.5	11.5	11.5	10.0	1020.0
12837.5	13653.8	14522.0	24.9	24.9	24.9	21.5	1008.5
8344.7	8760.8	9197.7	53.6	53.6	53.6	46.4	983.6
2767.0	2835.4	2905.6	115.4	115.4	115.4	100.0	930.0
2011.4	2051.2	2091.8	248.7	248.7	248.7	215.4	814.6
5.9	14.8	37.2				464.2	565.8

VES20



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1440E+00	+8.1312E+03	+8.1441E+03	-1.5930E-01	+1.2359E-01
2	+1.2192E+01	+8.9607E+03	+9.6325E+03	-7.4966E+00	+1.0177E-01
3	+1.5240E+01	+1.1495E+04	+1.0819E+04	+5.8783E+00	+6.1843E-02
4	+1.9812E+01	+1.3834E+04	+1.2059E+04	+1.2832E+01	+4.2696E-02
5	+2.4384E+01	+1.2595E+04	+1.2804E+04	-1.6549E+00	+5.1511E-02
6	+3.0480E+01	+1.2986E+04	+1.3301E+04	-2.4222E+00	+4.8456E-02
7	+3.9624E+01	+1.2444E+04	+1.3468E+04	-8.2347E+00	+5.2774E-02
8	+4.8768E+01	+1.3260E+04	+1.3306E+04	-3.4647E-01	+4.6473E-02
9	+6.0960E+01	+1.2997E+04	+1.2881E+04	+8.9243E-01	+4.8378E-02
10	+7.6200E+01	+1.3706E+04	+1.2191E+04	+1.1055E+01	+4.3500E-02
11	+9.1440E+01	+1.1137E+04	+1.1426E+04	-2.6014E+00	+6.5885E-02
12	+1.2192E+02	+9.9598E+03	+9.8757E+03	+8.4472E-01	+8.2377E-02
13	+1.5240E+02	+7.8483E+03	+8.5676E+03	-9.1645E+00	+1.3266E-01
14	+1.9812E+02	+7.7436E+03	+7.1488E+03	+7.6811E+00	+1.3628E-01
15	+2.4384E+02	+6.3606E+03	+6.2174E+03	+2.2517E+00	+2.0198E-01
16	+3.0480E+02	+5.2030E+03	+5.3049E+03	-1.9591E+00	+3.0186E-01
17	+3.9624E+02	+4.0490E+03	+4.2114E+03	-4.0103E+00	+4.9844E-01
18	+4.8768E+02	+3.1660E+03	+3.0797E+03	+2.7270E+00	+8.1524E-01
19	+6.0960E+02	+2.1800E+03	+2.1289E+03	+2.3448E+00	+1.7195E+00
20	+7.6200E+02	+1.2640E+03	+1.2986E+03	-2.7403E+00	+5.1146E+00
21	+9.1440E+02	+8.5000E+02	+8.4259E+02	+8.2140E-01	+1.1310E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.90	+.75	-.44	+.48	-.35	+.42	-.35
2	-.90	+1.00	-.94	+.65	-.65	+.47	-.56	+.47
3	+.75	-.94	+1.00	-.84	+.81	-.61	+.70	-.58
4	-.44	+.65	-.84	+1.00	-.96	+.81	-.86	+.74
5	+.48	-.65	+.81	-.96	+1.00	-.91	+.94	-.83
6	-.35	+.47	-.61	+.81	-.91	+1.00	-.99	+.95
7	+.42	-.56	+.70	-.86	+.94	-.99	+1.00	-.96
8	-.35	+.47	-.58	+.74	-.83	+.95	-.96	+1.00

REDUCED CHI-SQUARED=54.3

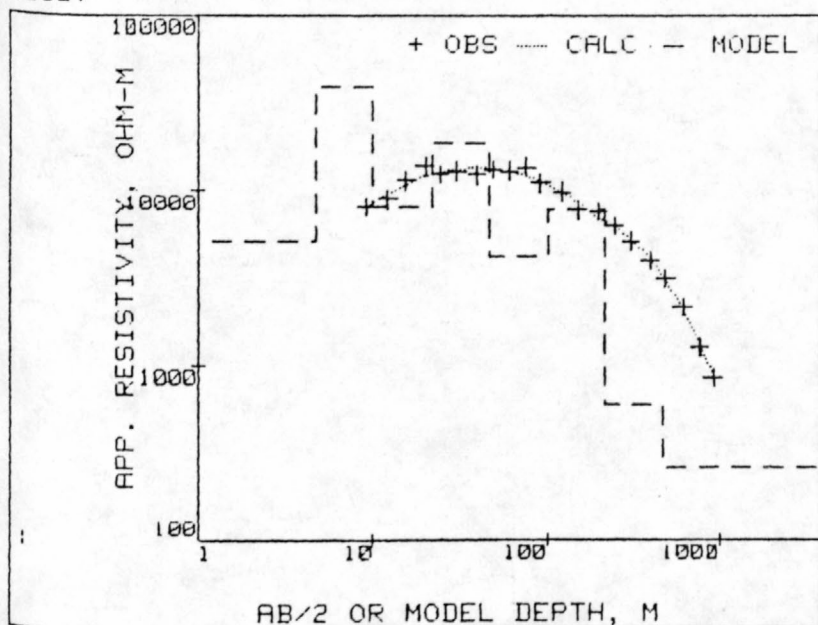
PHI=651.66

DCLAG: ***** END *****
 COORDINATES: 155.2887 19.3698
 ELEVATION : 1018 METEP
 AZIMUTH : *NSE*

VES21

RESISTIVITY			THICKNESS			DEPTH	ELEV
5107.4	5130.8	5154.2	4.6	4.6	4.6	0.0	1018.0
38293.6	39115.4	39954.7	5.4	5.4	5.4	4.6	1013.4
7982.9	8231.6	8488.0	11.5	11.5	11.5	10.0	1008.0
18548.5	18876.2	19209.7	24.9	24.9	24.9	21.5	996.5
4204.2	4324.3	4447.9	53.6	53.6	53.6	46.4	971.6
7781.7	7922.9	8066.6	115.4	115.4	115.4	100.0	918.0
514.3	594.4	687.1	248.7	248.7	248.7	215.4	802.6
239.5	259.5	281.1				464.2	553.8

VES21



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1440E+00	+9.9827E+03	+1.0524E+04	-5.4181E+00	+7.8714E-02
2	+1.2192E+01	+1.3434E+04	+1.2768E+04	+4.9527E+00	+4.3466E-02
3	+1.5240E+01	+1.5489E+04	+1.4648E+04	+5.4313E+00	+3.2696E-02
4	+1.9812E+01	+1.6588E+04	+1.6737E+04	-8.9306E-01	+2.8506E-02
5	+2.4384E+01	+1.8159E+04	+1.8076E+04	+4.5674E-01	+2.3789E-02
6	+3.0480E+01	+1.8930E+04	+1.8993E+04	-3.3315E-01	+2.1891E-02
7	+3.9624E+01	+1.8512E+04	+1.9173E+04	-3.5687E+00	+2.2889E-02
8	+4.8768E+01	+1.8662E+04	+1.8594E+04	+3.6559E-01	+2.2524E-02
9	+6.0960E+01	+1.7977E+04	+1.7414E+04	+3.1268E+00	+2.4274E-02
10	+7.6200E+01	+1.5579E+04	+1.5963E+04	-2.4678E+00	+3.2320E-02
11	+9.1440E+01	+1.4608E+04	+1.4801E+04	-1.3248E+00	+3.6761E-02
12	+1.2192E+02	+1.3320E+04	+1.3239E+04	+6.0373E-01	+4.4215E-02
13	+1.5240E+02	+1.2727E+04	+1.2160E+04	+4.4561E+00	+4.8425E-02
14	+1.9812E+02	+1.0691E+04	+1.0685E+04	+5.2646E-02	+6.8633E-02
15	+2.4384E+02	+8.9804E+03	+9.2318E+03	-2.7990E+00	+9.7264E-02
16	+3.0480E+02	+7.2000E+03	+7.4290E+03	-3.1800E+00	+1.5132E-01
17	+3.9624E+02	+5.2340E+03	+5.3741E+03	-2.6765E+00	+2.8634E-01
18	+4.8768E+02	+4.1080E+03	+3.9211E+03	+4.5499E+00	+4.6482E-01
19	+6.0960E+02	+3.0570E+03	+2.5597E+03	+1.6268E+01	+8.3938E-01
20	+7.6200E+02	+1.4300E+03	+1.7767E+03	-2.4243E+01	+3.8360E+00
21	+9.1440E+02	+1.7370E+03	+1.3193E+03	+2.4047E+01	+2.5999E+00
22	+1.2192E+03	+7.7100E+02	+8.2341E+02	-6.7970E+00	+1.3196E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.95	+.93	-.83	+.60	-.36	+.33	-.28	+.26
2	-.95	+1.00	-.99	+.93	-.71	+.47	-.40	+.34	-.32
3	+.93	-.99	+1.00	-.96	+.77	-.54	+.45	-.38	+.36
4	-.83	+.93	-.96	+1.00	-.90	+.72	-.58	+.50	-.47
5	+.60	-.71	+.77	-.90	+1.00	-.94	+.79	-.71	+.67
6	-.36	+.47	-.54	+.72	-.94	+1.00	-.91	+.84	-.80
7	+.33	-.40	+.45	-.58	+.79	-.91	+1.00	-.98	+.96
8	-.28	+.34	-.38	+.50	-.71	+.84	-.98	+1.00	-1.00
9	+.26	-.32	+.36	-.47	+.67	-.80	+.96	-1.00	+1.00

REDUCED CHI-SQUARED=138.2

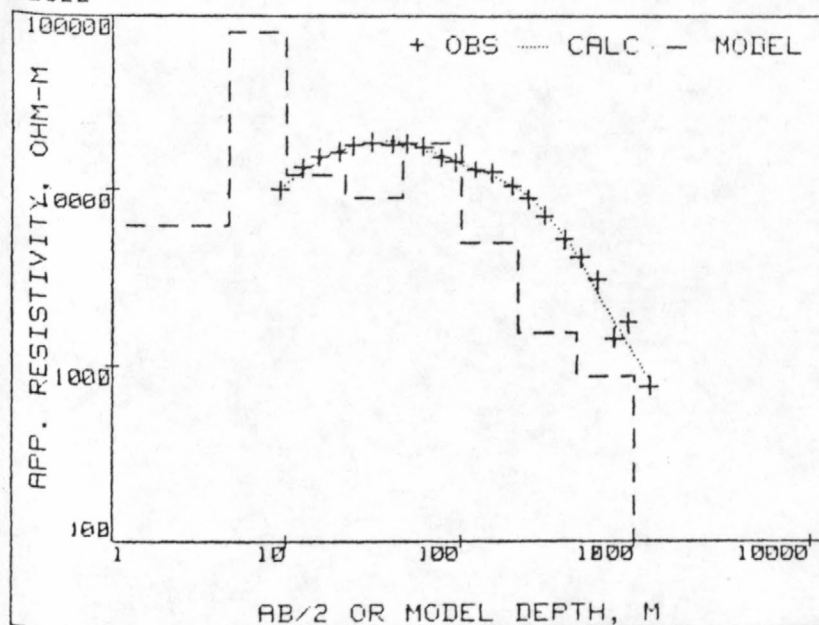
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DCLAG: ***** END *****
 COORDINATES: 155.2745 19.3802
 ELEVATION : 1070 METER
 AZIMUTH : *NS*

VES22

RESISTIVITY			THICKNESS			DEPTH	ELEV
6149.1	6212.6	6276.8	4.6	4.6	4.6	0.0	1070.0
72709.0	80307.6	88700.4	5.4	5.4	5.4	4.6	1065.4
9114.3	12283.9	16555.7	11.5	11.5	11.5	10.0	1060.0
8041.8	9048.7	10181.6	24.9	24.9	24.9	21.5	1048.5
17525.8	18565.3	19666.5	53.6	53.6	53.6	46.4	1023.6
4597.7	5038.9	5522.4	115.4	115.4	115.4	100.0	970.0
1384.5	1519.8	1668.4	248.7	248.7	248.7	215.4	854.6
717.6	864.8	1042.2	535.8	535.8	535.8	464.2	605.8
0.0	7.7					1000.0	70.0

VES22



MARQUARDT STATISTICS: VES22 X

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+3.1095E+03	+3.1904E+03	-2.2759E+00	+5.1423E-01
2	+4.8768E+00	+4.6897E+03	+4.5716E+03	+2.5171E+00	+2.2609E-01
3	+6.0960E+00	+5.5434E+03	+5.5056E+03	+6.8183E-01	+1.6181E-01
4	+7.6200E+00	+6.6214E+03	+6.5935E+03	+4.2105E-01	+1.1341E-01
5	+9.1440E+00	+7.5817E+03	+7.5777E+03	+5.2307E-02	+8.6502E-02
6	+1.2192E+01	+9.0761E+03	+9.2505E+03	-1.9220E+00	+6.0362E-02
7	+1.5240E+01	+1.0675E+04	+1.0584E+04	+8.5047E-01	+4.3638E-02
8	+1.9812E+01	+1.2059E+04	+1.2084E+04	-2.0997E-01	+3.4194E-02
9	+2.4384E+01	+1.3134E+04	+1.3137E+04	-1.6754E-02	+2.8823E-02
10	+3.0480E+01	+1.3889E+04	+1.4059E+04	-1.2224E+00	+2.5774E-02
11	+3.9624E+01	+1.4979E+04	+1.4797E+04	+1.2142E+00	+2.2161E-02
12	+4.8768E+01	+1.5191E+04	+1.5111E+04	+5.2219E-01	+2.1548E-02
13	+6.0960E+01	+1.5339E+04	+1.5188E+04	+9.8304E-01	+2.1134E-02
14	+7.6200E+01	+1.4810E+04	+1.5049E+04	-1.6180E+00	+2.2671E-02
15	+9.1440E+01	+1.4619E+04	+1.4786E+04	-1.1408E+00	+2.3265E-02
16	+1.2192E+02	+1.4387E+04	+1.4107E+04	+1.9422E+00	+2.4024E-02
17	+1.5240E+02	+1.3160E+04	+1.3253E+04	-7.0850E-01	+2.8713E-02
18	+1.9812E+02	+1.2045E+04	+1.1869E+04	+1.4586E+00	+3.4275E-02
19	+2.4384E+02	+1.0399E+04	+1.0462E+04	-6.1272E-01	+4.5985E-02
20	+3.0480E+02	+8.6320E+03	+8.8591E+03	-2.6310E+00	+6.6733E-02
21	+3.9624E+02	+7.1400E+03	+6.9851E+03	+2.1697E+00	+9.7536E-02
22	+4.8768E+02	+5.7470E+03	+5.6359E+03	+1.9330E+00	+1.5055E-01
23	+6.0960E+02	+4.2300E+03	+4.3216E+03	-2.1652E+00	+2.7790E-01
24	+7.6200E+02	+3.0300E+03	+3.0995E+03	-2.2933E+00	+5.4160E-01
25	+9.1440E+02	+2.2500E+03	+2.2075E+03	+1.8868E+00	+9.8219E-01
26	+1.2192E+03	+1.0400E+03	+1.0687E+03	-2.7602E+00	+4.5972E+00
27	+1.5240E+03	+5.1500E+02	+5.4874E+02	-6.5519E+00	+1.8748E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.89	+.80	-.63	+.39	-.06	+.41	-.14	+.33	-.33
2	-.89	+1.00	-.97	+.85	-.60	+.20	-.55	+.21	-.44	+.41
3	+.80	-.97	+1.00	-.94	+.74	-.32	+.64	-.27	+.51	-.46
4	-.63	+.85	-.94	+1.00	-.91	+.55	-.76	+.38	-.60	+.52
5	+.39	-.60	+.74	-.91	+1.00	-.83	+.87	-.55	+.70	-.61
6	-.06	+.20	-.32	+.55	-.83	+1.00	-.89	+.76	-.77	+.67
7	+.41	-.55	+.64	-.76	+.87	-.89	+1.00	-.84	+.91	-.82
8	-.14	+.21	-.27	+.38	-.55	+.76	-.84	+1.00	-.96	+.93
9	+.33	-.44	+.51	-.60	+.70	-.77	+.91	-.96	+1.00	-.98
10	-.33	+.41	-.46	+.52	-.61	+.67	-.82	+.93	-.98	+1.00

REDUCED CHI-SQUARED=6.934

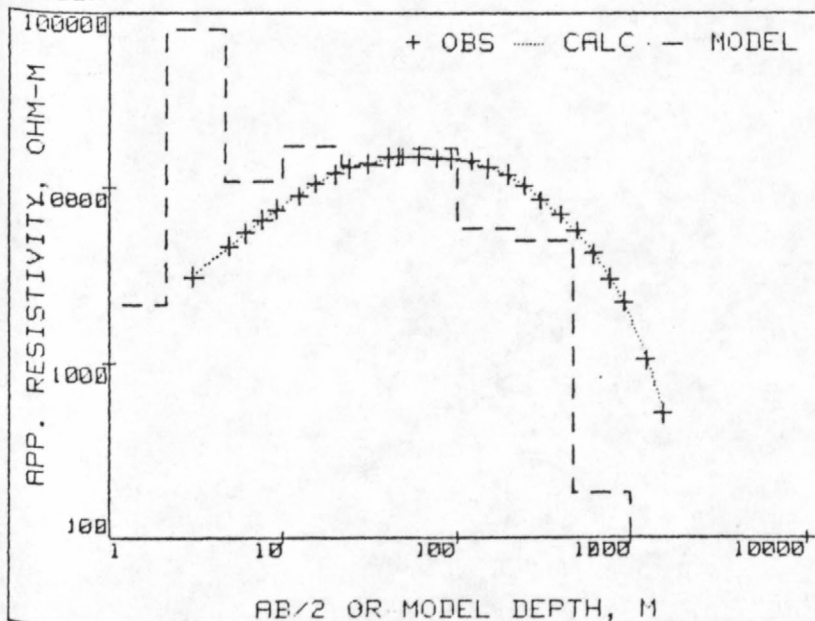
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DCLAG: ***** END *****
 COORDINATES: 155.2745 19.3802
 ELEVATION : 1070 METER
 AZIMUTH : *N80E*

VES22 X

RESISTIVITY			THICKNESS			DEPTH	ELEV
2189.0	2192.5	2196.1	2.2	2.2	2.2	0.0	1070.0
76741.9	79737.5	82650.0	2.5	2.5	2.5	2.2	1067.8
9724.1	10824.4	12049.1	5.4	5.4	5.4	4.6	1065.4
16399.7	17424.4	18513.1	11.5	11.5	11.5	10.0	1060.0
13163.3	13532.0	13911.0	24.9	24.9	24.9	21.5	1048.5
16717.8	16922.3	17129.2	53.6	53.6	53.6	46.4	1023.6
5781.4	5874.2	5968.5	115.4	115.4	115.4	100.0	970.0
4998.1	5038.4	5078.9	248.7	248.7	248.7	215.4	854.6
158.6	183.1	211.2	535.8	535.8	535.8	464.2	605.8
1.4	5.8	23.9				1000.0	70.0

VES22R



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+1.5284E+04	+1.5085E+04	+1.3027E+00	+3.9054E-01
2	+3.9624E+00	+1.6418E+04	+1.6281E+04	+8.3823E-01	+3.3845E-01
3	+4.8768E+00	+1.7133E+04	+1.7382E+04	-1.4483E+00	+3.1079E-01
4	+6.0960E+00	+1.8620E+04	+1.8565E+04	+2.9536E-01	+2.6314E-01
5	+7.6200E+00	+1.9890E+04	+1.9594E+04	+1.4878E+00	+2.3062E-01
6	+9.1440E+00	+2.1358E+04	+2.0254E+04	+5.1654E+00	+2.0001E-01
7	+1.2192E+01	+2.0134E+04	+2.0987E+04	-4.2340E+00	+2.2505E-01
8	+1.5240E+01	+2.0305E+04	+2.1407E+04	-5.4306E+00	+2.2129E-01
9	+1.9812E+01	+2.2009E+04	+2.1892E+04	+5.3048E-01	+1.8834E-01
10	+2.4384E+01	+2.3004E+04	+2.2273E+04	+3.1798E+00	+1.7240E-01
11	+3.0480E+01	+2.4000E+04	+2.2557E+04	+6.0115E+00	+1.5839E-01
12	+3.9624E+01	+2.1242E+04	+2.2509E+04	-5.9641E+00	+2.0219E-01
13	+4.8768E+01	+2.1974E+04	+2.2068E+04	-4.2829E-01	+1.8694E-01
14	+6.0960E+01	+2.1687E+04	+2.1210E+04	+2.1979E+00	+1.9398E-01
15	+7.6200E+01	+2.0292E+04	+2.0048E+04	+1.2021E+00	+2.2157E-01
16	+9.1440E+01	+1.8508E+04	+1.8943E+04	-2.3470E+00	+2.6633E-01
17	+1.2192E+02	+1.8394E+04	+1.6973E+04	+7.7281E+00	+2.6964E-01
18	+1.5240E+02	+1.3915E+04	+1.5264E+04	-9.6949E+00	+4.7116E-01
19	+1.9812E+02	+1.2869E+04	+1.3149E+04	-2.1786E+00	+5.5092E-01
20	+2.4384E+02	+1.4769E+04	+1.1353E+04	+2.3133E+01	+4.1824E-01
21	+3.0480E+02	+8.1360E+03	+9.1709E+03	-1.2720E+01	+1.3783E+00
22	+3.9624E+02	+7.5400E+03	+7.3203E+03	+2.9135E+00	+1.6048E+00
23	+4.8768E+02	+6.5030E+03	+5.9673E+03	+8.2383E+00	+2.1574E+00
24	+6.0960E+02	+4.3750E+03	+4.5951E+03	-5.0317E+00	+4.7665E+00
25	+7.6200E+02	+3.0810E+03	+3.2775E+03	-6.3768E+00	+9.6111E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.38	+.12	+.02	-.13	+.21	-.11	+.03	-.01
2	-.38	+1.00	-.84	+.60	-.42	+.21	-.22	+.16	-.16
3	+.12	-.84	+1.00	-.89	+.71	-.46	+.41	-.28	+.27
4	+.02	+.60	-.89	+1.00	-.92	+.69	-.58	+.41	-.39
5	-.13	-.42	+.71	-.92	+1.00	-.88	+.76	-.55	+.53
6	+.21	+.21	-.46	+.69	-.88	+1.00	-.93	+.75	-.71
7	-.11	-.22	+.41	-.58	+.76	-.93	+1.00	-.92	+.88
8	+.03	+.16	-.28	+.41	-.55	+.75	-.92	+1.00	-.99
9	-.01	-.16	+.27	-.39	+.53	-.71	+.88	-.99	+1.00

REDUCED CHI-SQUARED=78.18

PHI=1172.7

DCL AG: ***** END *****

VES23

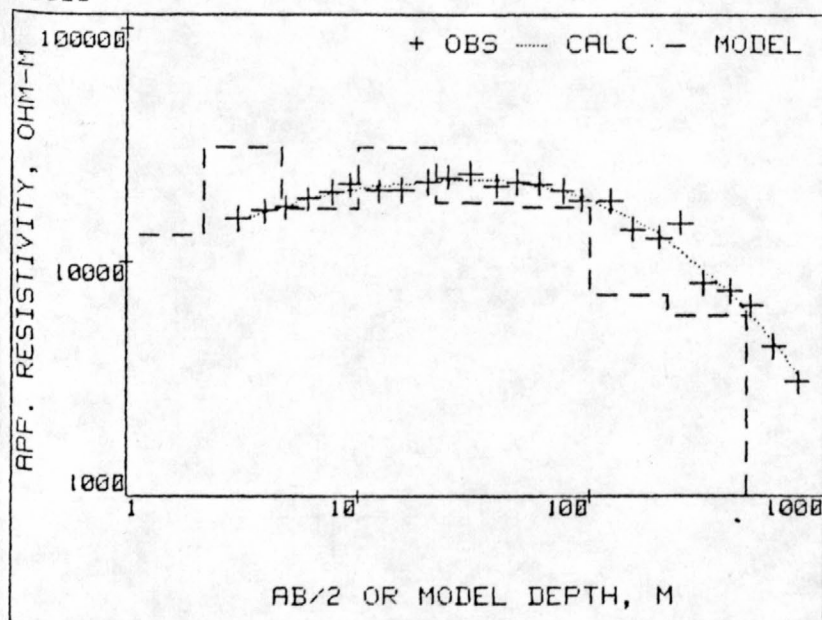
COORDINATES: 155.226 19.3715

ELEVATION : 1036 METER

AZIMUTH : N65E

RESISTIVITY			THICKNESS			DEPTH	ELEV
13082.2	13087.4	13092.7	2.2	2.2	2.2	0.0	1036.0
30886.3	30973.0	31059.9	2.5	2.5	2.5	2.2	1033.8
16988.3	17074.0	17160.1	5.4	5.4	5.4	4.6	1031.4
30782.0	30977.9	31174.9	11.5	11.5	11.5	10.0	1026.0
17992.8	18116.9	18241.8	24.9	24.9	24.9	21.5	1014.5
17297.4	17394.5	17492.2	53.6	53.6	53.6	46.4	989.6
7117.8	7171.9	7226.4	115.4	115.4	115.4	100.0	936.0
5831.5	5880.7	5930.3	248.7	248.7	248.7	215.4	820.6
18.7	36.5	71.3				464.2	571.8

VES23



MARQUARDT STATISTICS: VES23X

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+1.2692E+04	+1.2423E+04	+2.1228E+00	+3.6092E-02
2	+3.9624E+00	+1.3650E+04	+1.3654E+04	-3.4701E-02	+3.1205E-02
3	+4.8768E+00	+1.5493E+04	+1.4832E+04	+4.2651E+00	+2.4223E-02
4	+6.0960E+00	+1.6458E+04	+1.6174E+04	+1.7274E+00	+2.1464E-02
5	+7.6200E+00	+1.7087E+04	+1.7466E+04	-2.2156E+00	+1.9912E-02
6	+9.1440E+00	+1.7824E+04	+1.8417E+04	-3.3321E+00	+1.8301E-02
7	+1.2192E+01	+2.0468E+04	+1.9692E+04	+3.7897E+00	+1.3878E-02
8	+1.5240E+01	+1.9453E+04	+2.0509E+04	-5.4309E+00	+1.5364E-02
9	+1.9812E+01	+2.1680E+04	+2.1251E+04	+1.9773E+00	+1.2370E-02
10	+2.4384E+01	+2.3428E+04	+2.1516E+04	+8.1595E+00	+1.0592E-02
11	+3.0480E+01	+2.1575E+04	+2.1227E+04	+1.6128E+00	+1.2490E-02
12	+3.9624E+01	+1.9063E+04	+1.9761E+04	-3.6578E+00	+1.5998E-02
13	+4.8768E+01	+1.7192E+04	+1.7738E+04	-3.1791E+00	+1.9671E-02
14	+6.0960E+01	+1.5211E+04	+1.5083E+04	+8.3679E-01	+2.5129E-02
15	+7.6200E+01	+1.2909E+04	+1.2550E+04	+2.7842E+00	+3.4889E-02
16	+9.1440E+01	+1.1084E+04	+1.0990E+04	+8.4130E-01	+4.7325E-02
17	+1.2192E+02	+1.0021E+04	+9.8041E+03	+2.1643E+00	+5.7895E-02
18	+1.5240E+02	+9.0983E+03	+9.6483E+03	-6.0453E+00	+7.0233E-02
19	+1.9812E+02	+9.3365E+03	+9.5500E+03	-2.2868E+00	+6.6696E-02
20	+2.4384E+02	+9.3715E+03	+9.0124E+03	+3.8313E+00	+6.6198E-02
21	+3.0480E+02	+8.6500E+03	+8.2116E+03	+5.0676E+00	+7.7702E-02
22	+3.9624E+02	+6.9100E+03	+6.8128E+03	+1.4060E+00	+1.2176E-01
23	+4.8768E+02	+6.1300E+03	+5.6319E+03	+8.1248E+00	+1.5472E-01
24	+6.0960E+02	+3.6000E+03	+4.3822E+03	-2.1728E+01	+4.4860E-01
25	+7.6200E+02	+3.3000E+03	+3.2057E+03	+2.8574E+00	+5.3387E-01
26	+9.1440E+02	+2.9640E+03	+2.3441E+03	+2.0914E+01	+6.6177E-01
27	+1.2192E+03	+1.2240E+03	+1.1922E+03	+2.5950E+00	+3.8806E+00
28	+1.5240E+03	+5.2000E+02	+5.7574E+02	-1.0720E+01	+2.1501E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.85	+.54	-.06	+.12	+0.00	-.21	+.27	-.28	+.32
2	-.85	+1.00	-.82	+.25	-.24	+.04	+.20	-.27	+.27	-.30
3	+.54	-.82	+1.00	-.58	+.44	-.12	-.17	+.25	-.23	+.22
4	-.06	+.25	-.58	+1.00	-.77	+.24	+.19	-.28	+.22	-.18
5	+.12	-.24	+.44	-.77	+1.00	-.34	-.33	+.43	-.36	+.32
6	+0.00	+.04	-.12	+.24	-.34	+1.00	-.42	+.24	-.28	+.27
7	-.21	+.20	-.17	+.19	-.33	-.42	+1.00	-.94	+.93	-.89
8	+.27	-.27	+.25	-.28	+.43	+.24	-.94	+1.00	-.99	+.97
9	-.28	+.27	-.23	+.22	-.36	-.28	+.93	-.99	+1.00	-.99
10	+.32	-.30	+.22	-.18	+.32	+.27	-.89	+.97	-.99	+1.00

REDUCED CHI-SQUARED=81.49

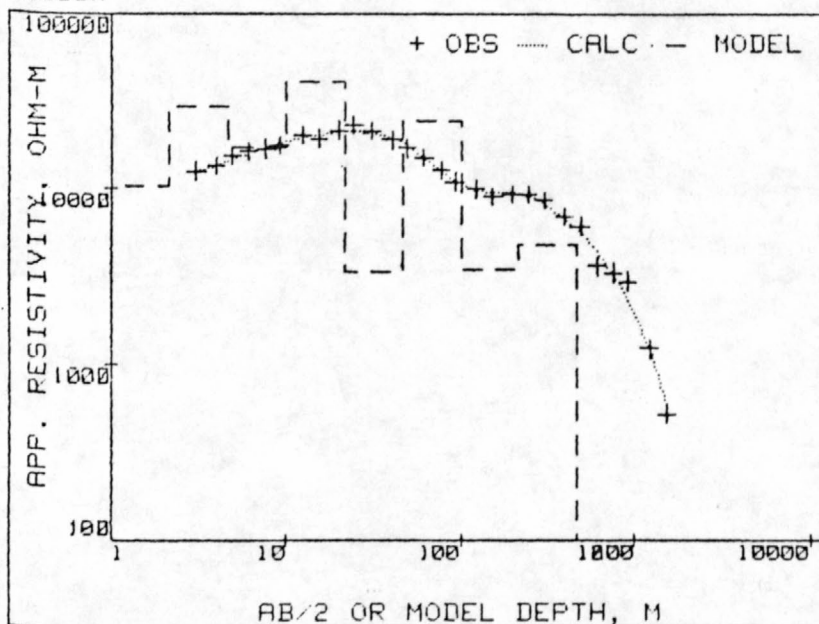
PHI=1385.4

DCLAG: ***** END *****
 COORDINATES: *105.226 19.3715*
 ELEVATION : 1036 METER
 AZIMUTH : *N65E*

VES23X

RESISTIVITY			THICKNESS			DEPTH	ELEV
10381.2	10433.4	10485.8	2.2	2.2	2.2	0.0	1036.0
29283.1	29786.7	30299.0	2.5	2.5	2.5	2.2	1033.8
17228.5	17451.4	17677.1	5.4	5.4	5.4	4.6	1031.4
40689.0	40890.2	41092.4	11.5	11.5	11.5	10.0	1026.0
3363.4	3385.6	3408.0	24.9	24.9	24.9	21.5	1014.5
24582.3	24626.1	24670.1	53.6	53.6	53.6	46.4	989.6
3403.4	3486.3	3571.2	115.4	115.4	115.4	100.0	936.0
4544.3	4727.5	4918.1	248.7	248.7	248.7	215.4	820.6
.7	31.2	1479.3	535.8	535.8	535.8	464.2	571.8
0.0	5.9	24766.6				1000.0	36.0

VES23X



MARQUARDT STATISTICS: VES24

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+2.7075E+03	+2.6632E+03	+1.6361E+00	+1.7380E+00
2	+4.9759E+00	+3.5846E+03	+3.6328E+03	-1.3446E+00	+9.9150E-01
3	+6.0960E+00	+4.1344E+03	+4.2338E+03	-2.4034E+00	+7.4534E-01
4	+9.1440E+00	+5.6318E+03	+5.3856E+03	+4.3716E+00	+4.0169E-01
5	+1.2192E+01	+6.0158E+03	+6.1049E+03	-1.4797E+00	+3.5204E-01
6	+1.5240E+01	+6.3543E+03	+6.5168E+03	-2.5570E+00	+3.1554E-01
7	+1.9812E+01	+6.8014E+03	+6.7643E+03	+5.4442E-01	+2.7542E-01
8	+2.4384E+01	+7.0143E+03	+6.7388E+03	+3.9271E+00	+2.5895E-01
9	+3.0480E+01	+6.4090E+03	+6.4767E+03	-1.0562E+00	+3.1017E-01
10	+3.9624E+01	+5.8890E+03	+5.8630E+03	+4.4174E-01	+3.6737E-01
11	+4.8768E+01	+4.9720E+03	+5.1774E+03	-4.1306E+00	+5.1538E-01
12	+6.0960E+01	+4.3180E+03	+4.3220E+03	-9.2843E-02	+6.8331E-01
13	+7.6200E+01	+3.6650E+03	+3.4649E+03	+5.4598E+00	+9.4850E-01
14	+9.1440E+01	+2.8650E+03	+2.8707E+03	-1.9793E-01	+1.5522E+00
15	+1.2192E+02	+2.1500E+03	+2.2753E+03	-5.8268E+00	+2.7562E+00
16	+1.5240E+02	+2.2900E+03	+2.1587E+03	+5.7351E+00	+2.4295E+00
17	+1.9812E+02	+2.3240E+03	+2.3570E+03	-1.4207E+00	+2.3589E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7
1	+1.00	-.89	+.80	-.60	+.67	-.58	+.53
2	-.89	+1.00	-.97	+.82	-.86	+.75	-.70
3	+.80	-.97	+1.00	-.93	+.94	-.85	+.80
4	-.60	+.82	-.93	+1.00	-.99	+.94	-.91
5	+.67	-.86	+.94	-.99	+1.00	-.96	+.93
6	-.58	+.75	-.85	+.94	-.96	+1.00	-.99
7	+.53	-.70	+.80	-.91	+.93	-.99	+1.00

REDUCED CHI-SQUARED=18.99

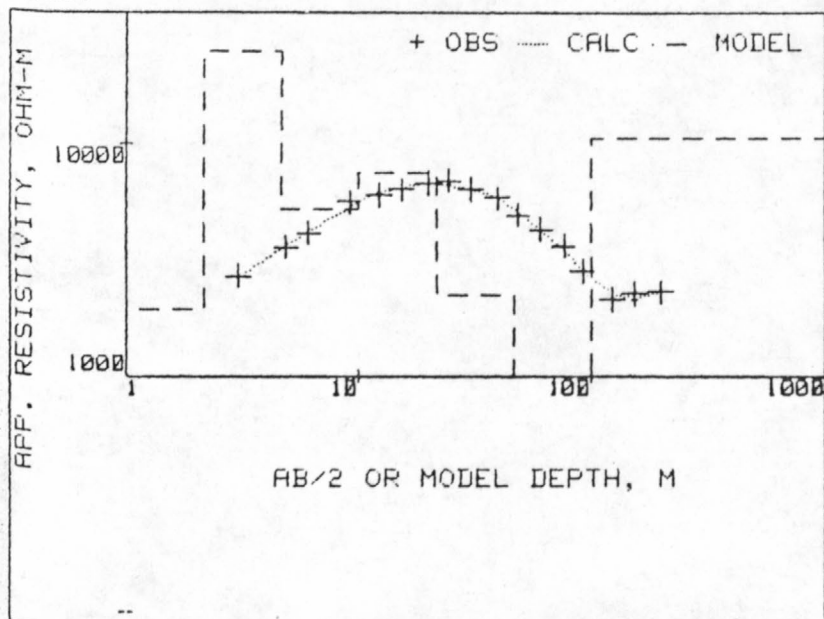
PHI=170.91

DCLAG: ***** END *****
 COORDINATES: 155.3548 19.4362
 ELEVATION : 1372 METER
 AZIMUTH : *N50E*

VES24

RESISTIVITY			THICKNESS			DEPTH	ELEV
1926.7	1930.4	1934.1	2.2	2.2	2.2	0.0	1372.0
24377.2	24869.5	25371.7	2.5	2.5	2.5	2.2	1369.8
4988.5	5192.9	5405.6	5.4	5.4	5.4	4.6	1367.4
7435.7	7599.9	7767.8	11.5	11.5	11.5	10.0	1362.0
2177.8	2259.4	2344.0	24.9	24.9	24.9	21.5	1350.5
934.8	947.1	959.5	53.6	53.6	53.6	46.4	1325.6
10399.7	10603.7	10811.7				100.0	1272.0

VES24



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+7.0519E+03	+7.0686E+03	-2.3655E-01	+4.0937E-02
2	+4.8768E+00	+7.3623E+03	+7.2151E+03	+1.9991E+00	+3.7558E-02
3	+6.0960E+00	+7.5901E+03	+7.6314E+03	-5.4368E-01	+3.5337E-02
4	+9.1440E+00	+8.6711E+03	+9.2799E+03	-7.0212E+00	+2.7075E-02
5	+1.2192E+01	+1.1658E+04	+1.0992E+04	+5.7148E+00	+1.4979E-02
6	+1.5240E+01	+1.2709E+04	+1.2362E+04	+2.7270E+00	+1.2604E-02
7	+1.9812E+01	+1.3614E+04	+1.3705E+04	-6.6622E-01	+1.0984E-02
8	+2.4384E+01	+1.4346E+04	+1.4357E+04	-7.2345E-02	+9.8911E-03
9	+3.0480E+01	+1.4200E+04	+1.4508E+04	-2.1740E+00	+1.0096E-02
10	+4.8768E+01	+1.3619E+04	+1.3066E+04	+4.0655E+00	+1.0975E-02
11	+6.0960E+01	+1.1874E+04	+1.2020E+04	-1.2339E+00	+1.4440E-02
12	+7.6200E+01	+1.1124E+04	+1.1164E+04	-3.6339E-01	+1.6452E-02
13	+9.1440E+01	+1.0384E+04	+1.0710E+04	-3.1461E+00	+1.8881E-02
14	+1.2192E+02	+9.8601E+03	+1.0284E+04	-4.2988E+00	+2.0939E-02
15	+1.5240E+02	+1.1131E+04	+9.9120E+03	+1.0954E+01	+1.6430E-02
16	+1.9812E+02	+9.5027E+03	+9.1295E+03	+3.9270E+00	+2.2544E-02
17	+2.4384E+02	+7.8132E+03	+8.2863E+03	-6.0550E+00	+3.3347E-02
18	+3.0480E+02	+6.9000E+03	+7.0542E+03	-2.2341E+00	+4.2759E-02
19	+3.9624E+02	+5.1950E+03	+5.3275E+03	-2.5502E+00	+7.5431E-02
20	+4.8768E+02	+4.1630E+03	+4.0527E+03	+2.6493E+00	+1.1746E-01
21	+6.0960E+02	+2.9000E+03	+2.7434E+03	+5.4006E+00	+2.4206E-01
22	+7.6200E+02	+1.5760E+03	+1.6411E+03	-4.1306E+00	+8.1961E-01
23	+9.1440E+02	+9.5800E+02	+9.7041E+02	-1.2949E+00	+2.2181E+00
24	+1.2192E+03	+3.1800E+02	+3.3034E+02	-3.8811E+00	+2.0131E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.76	+.33	-.25	+.22	-.21	+.17	-.19	+.15	-.14
2	-.76	+1.00	-.70	+.56	-.47	+.44	-.33	+.38	-.30	+.28
3	+.33	-.70	+1.00	-.90	+.80	-.75	+.57	-.65	+.52	-.49
4	-.25	+.56	-.90	+1.00	-.97	+.93	-.77	+.84	-.70	+.67
5	+.22	-.47	+.80	-.97	+1.00	-.99	+.88	-.92	+.80	-.77
6	-.21	+.44	-.75	+.93	-.99	+1.00	-.94	+.96	-.86	+.83
7	+.17	-.33	+.57	-.77	+.88	-.94	+1.00	-.99	+.97	-.94
8	-.19	+.38	-.65	+.84	-.92	+.96	-.99	+1.00	-.96	+.94
9	+.15	-.30	+.52	-.70	+.80	-.86	+.97	-.96	+1.00	-1.00
10	-.14	+.28	-.49	+.67	-.77	+.83	-.94	+.94	-1.00	+1.00

REDUCED CHI-SQUARED=30.69

PHI=399.03

DCLAG: END

VES25

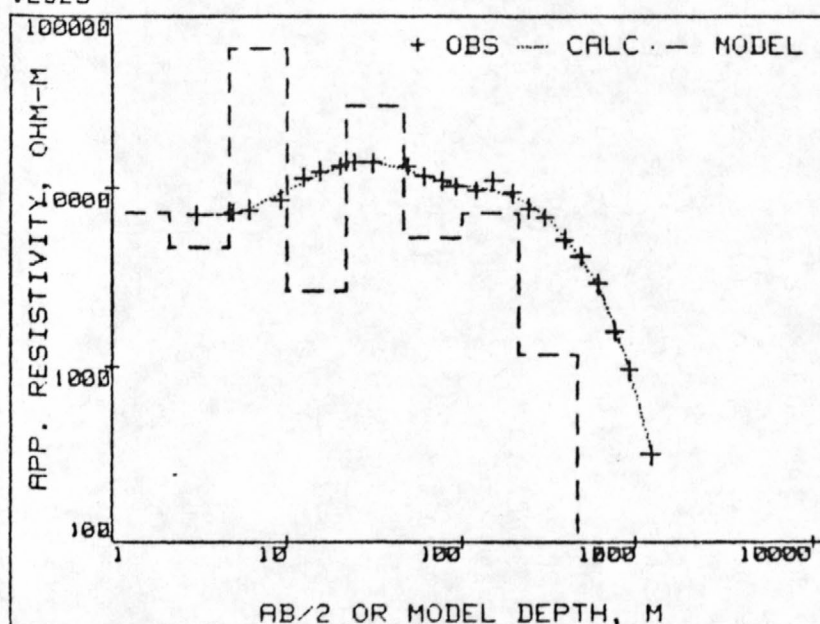
COORDINATES: 155.3118 19.396

ELEVATION : 1094 METER

AZIMUTH : *N45E*

RESISTIVITY			THICKNESS			DEPTH	ELEV
7268.8	7308.6	7348.6	2.2	2.2	2.2	0.0	1094.0
4626.2	4660.7	4695.5	2.5	2.5	2.5	2.2	1091.8
63502.6	64273.2	65053.1	5.4	5.4	5.4	4.6	1089.4
2523.6	2645.7	2773.8	11.5	11.5	11.5	10.0	1084.0
26401.3	30192.6	34528.4	24.9	24.9	24.9	21.5	1072.5
4047.0	5330.4	7020.8	53.6	53.6	53.6	46.4	1047.6
6437.8	7288.5	8251.5	115.4	115.4	115.4	100.0	994.0
669.1	1176.4	2068.1	248.7	248.7	248.7	215.4	878.6
0.0	22.0	78158.0	535.8	535.8	535.8	464.2	629.8
0.0	3.2					1000.0	94.0

VES25



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+2.6434E+03	+2.7132E+03	+4.5789E+00	+8.7858E-02
2	+4.8768E+00	+4.1319E+03	+3.8720E+03	+6.2886E+00	+4.1608E-02
3	+6.0960E+00	+4.7930E+03	+4.0715E+03	+2.5316E+00	+3.0921E-02
4	+9.1440E+00	+6.0627E+03	+6.5188E+03	-7.5232E+00	+1.9325E-02
5	+1.2192E+01	+7.5758E+03	+8.0842E+03	-6.7107E+00	+1.2377E-02
6	+1.5240E+01	+9.1759E+03	+9.3702E+03	-2.1170E+00	+8.4365E-03
7	+1.9812E+01	+1.0942E+04	+1.0826E+04	+1.0601E+00	+5.9335E-03
8	+2.4384E+01	+1.2749E+04	+1.1799E+04	+7.4531E+00	+4.3701E-03
9	+3.0480E+01	+1.2343E+04	+1.2525E+04	-1.4799E+00	+4.6629E-03
10	+3.9624E+01	+1.3280E+04	+1.2798E+04	+3.6318E+00	+4.0278E-03
11	+6.0960E+01	+1.2149E+04	+1.1794E+04	+2.9238E+00	+4.8128E-03
12	+7.6200E+01	+1.0509E+04	+1.0799E+04	-2.7572E+00	+6.4318E-03
13	+9.1440E+01	+9.1116E+03	+9.8870E+03	-8.5092E+00	+8.5560E-03
14	+1.2192E+02	+9.1222E+03	+8.4354E+03	+7.5296E+00	+8.5362E-03
15	+1.5240E+02	+7.3691E+03	+7.3130E+03	+7.6144E-01	+1.3081E-02
16	+1.9812E+02	+5.9342E+03	+6.0847E+03	-2.5366E+00	+2.0172E-02
17	+2.4384E+02	+5.5589E+03	+5.1834E+03	+6.7535E+00	+2.2988E-02
18	+3.0480E+02	+4.2330E+03	+4.3548E+03	-2.8765E+00	+3.9643E-02
19	+3.9624E+02	+3.2530E+03	+3.4555E+03	-6.2262E+00	+6.7127E-02
20	+4.8768E+02	+2.5130E+03	+2.7517E+03	-9.4992E+00	+1.1248E-01
21	+6.0960E+02	+1.8960E+03	+2.0012E+03	-5.5507E+00	+1.9760E-01
22	+7.6200E+02	+1.4330E+03	+1.3011E+03	+9.2070E+00	+3.4592E-01
23	+9.1440E+02	+8.3900E+02	+8.6438E+02	-3.0255E+00	+1.0091E+00
24	+1.2192E+03	+1.8000E+02	+3.7161E+02	-1.0645E+02	+2.1924E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.96	+.77	-.29	+.18	-.17	+.11	-.12	+.04	-.04
2	-.96	+1.00	-.89	+.44	-.28	+.27	-.20	+.22	-.11	+.11
3	+.77	-.89	+1.00	-.76	+.56	-.54	+.43	-.46	+.31	-.30
4	-.29	+.44	-.76	+1.00	-.92	+.89	-.77	+.80	-.63	+.59
5	+.18	-.28	+.56	-.92	+1.00	-.99	+.92	-.93	+.78	-.74
6	-.17	+.27	-.54	+.89	-.99	+1.00	-.96	+.97	-.85	+.81
7	+.11	-.20	+.43	-.77	+.92	-.96	+1.00	-1.00	+.94	-.91
8	-.12	+.22	-.46	+.80	-.93	+.97	-1.00	+1.00	-.95	+.93
9	+.04	-.11	+.31	-.63	+.78	-.85	+.94	-.95	+1.00	-1.00
10	-.04	+.11	-.30	+.59	-.74	+.81	-.91	+.93	-1.00	+1.00

REDUCED CHI-SQUARED=925.9

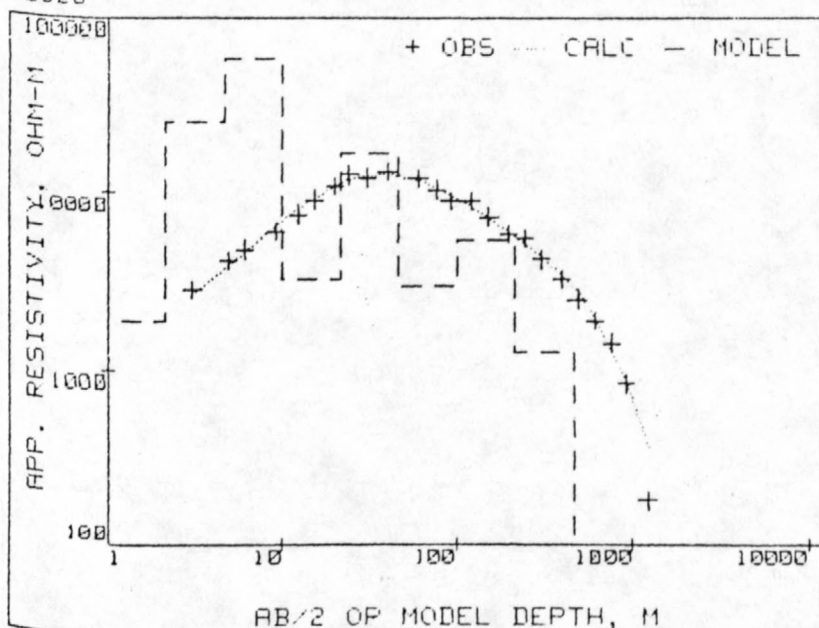
PHI=12037

DELAG: ***** END *****
 COORDINATES: 155.305 19.3875
 ELEVATION : 1079 METER
 AZIMUTH : *N45E*

VES26

RESISTIVITY			THICKNESS			DEPTH	ELEV
1763.6	1909.1	2066.6	2.2	2.2	2.2	0.0	1079.0
8163.9	25504.1	79675.3	2.5	2.5	2.5	2.2	1076.8
39834.6	58498.9	85908.4	5.4	5.4	5.4	4.6	1074.4
1612.8	3233.4	6482.5	11.5	11.5	11.5	10.0	1069.0
8170.3	17074.7	35683.7	24.9	24.9	24.9	21.5	1057.5
691.9	3016.3	13148.9	53.6	53.6	53.6	46.4	1032.6
2080.8	5418.1	14107.9	115.4	115.4	115.4	100.0	979.0
69.7	1260.4	22795.4	248.7	248.7	248.7	215.4	863.6
0.0	16.8		535.8	535.8	535.8	464.2	614.8
0.0	1.8					1000.0	79.0

VES26



MARQUARDT STATISTICS: VES27

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+1.2759E+04	+1.2907E+04	-1.1597E+00	+1.9455E-02
2	+4.8768E+00	+1.1143E+04	+1.1128E+04	+1.3549E-01	+2.5507E-02
3	+6.0960E+00	+1.0685E+04	+1.0672E+04	+1.1986E-01	+2.7741E-02
4	+7.6200E+00	+1.1577E+04	+1.0773E+04	+6.9441E+00	+2.3633E-02
5	+9.1440E+00	+1.0969E+04	+1.1279E+04	-2.8317E+00	+2.6325E-02
6	+1.2192E+01	+1.2126E+04	+1.2571E+04	-3.6695E+00	+2.1541E-02
7	+1.5240E+01	+1.3407E+04	+1.3639E+04	-1.7304E+00	+1.7619E-02
8	+1.9812E+01	+1.4988E+04	+1.4622E+04	+2.4356E+00	+1.4100E-02
9	+3.0480E+01	+1.5767E+04	+1.5347E+04	+2.6642E+00	+1.2741E-02
10	+4.8768E+01	+1.5048E+04	+1.5403E+04	-2.3635E+00	+1.3987E-02
11	+7.6200E+01	+1.5313E+04	+1.5175E+04	+9.0014E-01	+1.3507E-02
12	+9.1440E+01	+1.5200E+04	+1.4689E+04	+3.3624E+00	+1.3709E-02
13	+1.2192E+02	+1.2818E+04	+1.3255E+04	-3.4145E+00	+1.9278E-02
14	+1.5240E+02	+1.1570E+04	+1.1713E+04	-1.2352E+00	+2.3660E-02
15	+1.9812E+02	+1.0095E+04	+9.8259E+03	+2.6680E+00	+3.1077E-02
16	+2.4384E+02	+8.6207E+03	+8.4814E+03	+1.6160E+00	+4.2618E-02
17	+3.0480E+02	+7.2595E+03	+7.1684E+03	+1.2551E+00	+6.0098E-02
18	+3.9624E+02	+5.4446E+03	+5.6034E+03	-2.9158E+00	+1.0684E-01
19	+4.8768E+02	+4.0435E+03	+4.2678E+03	-5.5482E+00	+1.9372E-01
20	+6.0960E+02	+2.9600E+03	+2.8417E+03	+3.9968E+00	+3.6149E-01
21	+7.6200E+02	+1.8318E+03	+1.6463E+03	+1.0129E+01	+9.4383E-01
22	+9.1440E+02	+8.8800E+02	+9.6071E+02	-8.1882E+00	+4.0165E+00
23	+1.2192E+03	+4.3200E+02	+4.2215E+02	+2.2797E+00	+1.6971E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.65	+.36	-.25	+.12	-.12	+.07	-.09	+.07	-.06
2	-.65	+1.00	-.83	+.63	-.39	+.37	-.26	+.29	-.23	+.22
3	+.36	-.83	+1.00	-.90	+.68	-.64	+.50	-.54	+.45	-.43
4	-.25	+.63	-.90	+1.00	-.92	+.88	-.74	+.77	-.66	+.64
5	+.12	-.39	+.68	-.92	+1.00	-.97	+.86	-.88	+.78	-.75
6	-.12	+.37	-.64	+.88	-.97	+1.00	-.94	+.95	-.86	+.84
7	+.07	-.26	+.50	-.74	+.86	-.94	+1.00	-1.00	+.96	-.95
8	-.09	+.29	-.54	+.77	-.88	+.95	-1.00	+1.00	-.97	+.96
9	+.07	-.23	+.45	-.66	+.78	-.86	+.96	-.97	+1.00	-1.00
10	-.06	+.22	-.43	+.64	-.75	+.84	-.95	+.96	-1.00	+1.00

REDUCED CHI-SQUARED=29.95

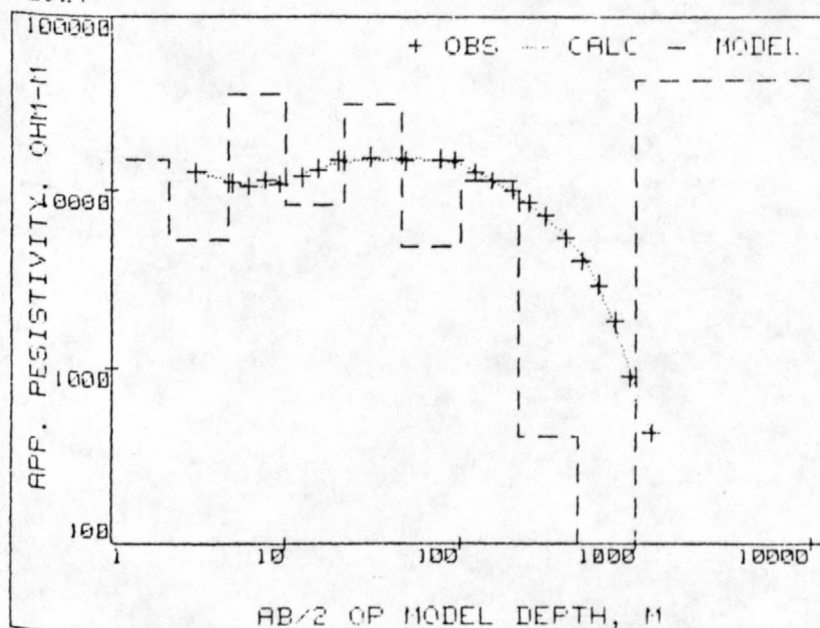
PHI=359.39

DCLAG: ***** END *****
 COORDINATES: 155.3262 19.3612
 ELEVATION : 951 METER
 AZIMUTH : *N45E*

VES27

RESISTIVITY			THICKNESS			DEPTH	ELEV
14934.4	14991.3	15048.4	2.2	2.2	2.2	0.0	951.0
5292.2	5326.2	5360.5	2.5	2.5	2.5	2.2	949.8
35496.0	36098.0	36710.2	5.4	5.4	5.4	4.6	946.4
8075.0	8285.4	8501.3	11.5	11.5	11.5	10.0	941.0
31067.6	31731.0	32408.5	24.9	24.9	24.9	21.5	929.5
4662.9	4891.2	5109.7	53.6	53.6	53.6	46.4	904.6
11169.4	11599.6	12046.4	115.4	115.4	115.4	100.0	851.0
198.0	407.9	840.3	248.7	248.7	248.7	215.4	735.6
35.9	92.0	235.8	535.8	535.8	535.8	464.2	486.8
0.0	43200.0					1000.0	-49.0

VES27



MARQUARDT STATISTICS: VES28

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+1.5564E+04	+1.5895E+04	-2.1284E+00	+2.0107E-01
2	+4.8768E+00	+1.8254E+04	+1.8012E+04	+1.3254E+00	+1.4618E-01
3	+6.0960E+00	+2.0032E+04	+1.9175E+04	+4.2769E+00	+1.2139E-01
4	+7.6200E+00	+2.0176E+04	+2.0217E+04	-2.0613E-01	+1.1966E-01
5	+9.1440E+00	+2.0176E+04	+2.0837E+04	-3.2759E+00	+1.1966E-01
6	+1.2192E+01	+2.0672E+04	+2.1098E+04	-2.0596E+00	+1.1399E-01
7	+1.9812E+01	+1.9481E+04	+1.8886E+04	+3.0553E+00	+1.2834E-01
8	+3.0480E+01	+1.5159E+04	+1.5231E+04	-4.7236E-01	+2.1196E-01
9	+3.9624E+01	+1.3142E+04	+1.3503E+04	-2.7488E+00	+2.8203E-01
10	+4.8768E+01	+1.3517E+04	+1.2762E+04	+5.5799E+00	+2.6661E-01
11	+6.0960E+01	+1.1984E+04	+1.2373E+04	-3.2461E+00	+3.3915E-01
12	+7.6200E+01	+1.1863E+04	+1.2068E+04	-1.7327E+00	+3.4612E-01
13	+9.1440E+01	+1.2035E+04	+1.1891E+04	+1.1953E+00	+3.3630E-01
14	+1.2192E+02	+1.1797E+04	+1.1410E+04	+3.2796E+00	+3.5001E-01
15	+1.5240E+02	+1.0440E+04	+1.0918E+04	-4.5844E+00	+4.4693E-01
16	+1.9812E+02	+1.1066E+04	+1.0186E+04	+7.9543E+00	+3.9777E-01
17	+2.4384E+02	+9.0156E+03	+9.5076E+03	-5.4573E+00	+5.9926E-01
18	+3.0480E+02	+8.5500E+03	+8.6151E+03	-7.6139E-01	+6.6630E-01
19	+3.9624E+02	+7.3730E+03	+7.3375E+03	+4.8182E-01	+8.9602E-01
20	+4.8768E+02	+6.3250E+03	+6.2241E+03	+1.5953E+00	+1.2175E+00
21	+6.0960E+02	+5.1550E+03	+5.0530E+03	+1.9795E+00	+1.8329E+00
22	+7.6200E+02	+3.8370E+03	+4.0312E+03	-5.0600E+00	+3.3084E+00
23	+9.1440E+02	+3.4630E+03	+3.3559E+03	+3.0934E+00	+4.0616E+00
24	+1.2192E+03	+2.5500E+03	+2.5608E+03	-4.2434E-01	+7.4907E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9	10
1	+1.00	-.67	+.35	-.24	+.29	-.27	+.21	-.18	+.15	-.13
2	-.67	+1.00	-.84	+.66	-.58	+.48	-.34	+.31	-.24	+.22
3	+.35	-.84	+1.00	-.90	+.77	-.62	+.44	-.40	+.31	-.29
4	-.24	+.66	-.90	+1.00	-.94	+.80	-.59	+.54	-.42	+.39
5	+.29	-.58	+.77	-.94	+1.00	-.93	+.75	-.67	+.54	-.50
6	-.27	+.48	-.62	+.80	-.93	+1.00	-.91	+.83	-.69	+.64
7	+.21	-.34	+.44	-.59	+.75	-.91	+1.00	-.96	+.87	-.82
8	-.18	+.31	-.40	+.54	-.67	+.83	-.96	+1.00	-.96	+.93
9	+.15	-.24	+.31	-.42	+.54	-.69	+.87	-.96	+1.00	-.99
10	-.13	+.22	-.29	+.39	-.50	+.64	-.82	+.93	-.99	+1.00

REDUCED CHI-SQUARED=20.79..

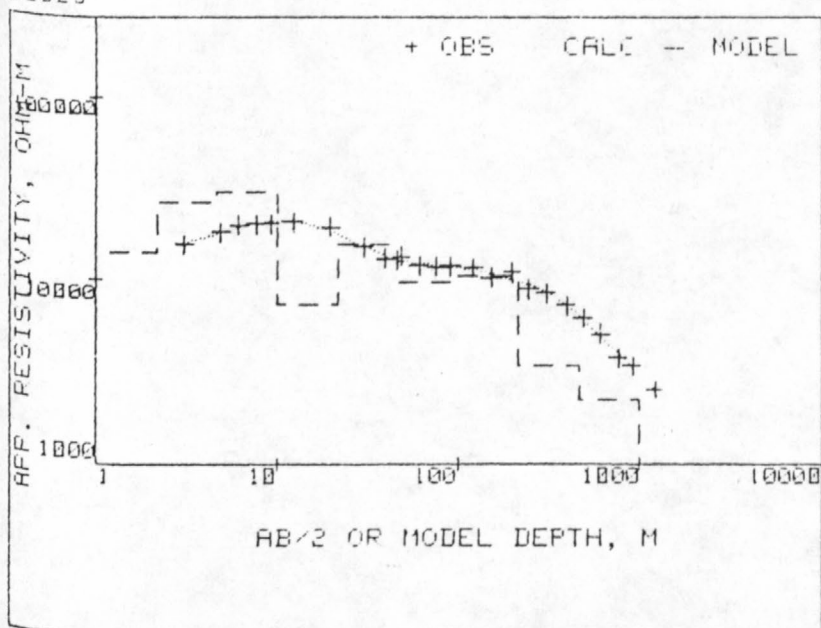
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DCLAG: ***** END *****
 COORDINATES: 155.2583 19.3553
 ELEVATION : 991 METER
 AZIMUTH : EW

VES26

RESISTIVITY			THICKNESS			DEPTH	ELEV
14151.9	14161.2	14170.6	2.2	2.2	2.2	0.2	991.0
26290.7	26356.6	26422.8	2.5	2.5	2.5	2.2	988.8
29583.6	29678.3	29773.4	5.4	5.4	5.4	4.6	986.4
7444.6	7481.3	7518.1	11.5	11.5	11.5	10.0	981.0
15467.8	15555.3	15643.2	24.9	24.9	24.9	21.5	969.5
9758.8	9815.3	9872.2	53.6	53.6	53.6	46.4	944.6
10434.5	10491.8	10549.5	115.4	115.4	115.4	100.0	891.0
3393.4	3435.5	3478.0	248.7	248.7	248.7	215.4	775.6
2162.9	2213.9	2266.0	535.8	535.8	535.8	464.2	525.8
942.0	999.3	1060.2				1000.0	-9.0

VES29



MARQUARDT STATISTICS: VES29

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+4.8768E+00	+2.8728E+03	+2.7785E+03	+3.2827E+00	+6.5736E-02
2	+6.0960E+00	+2.6793E+03	+2.6880E+03	-3.2497E-01	+7.5574E-02
3	+7.6200E+00	+2.5580E+03	+2.5663E+03	-4.0408E-01	+8.2912E-02
4	+9.1440E+00	+2.3741E+03	+2.4571E+03	-3.4932E+00	+9.6249E-02
5	+1.2192E+01	+2.3146E+03	+2.2933E+03	+9.2126E-01	+1.0127E-01
6	+1.5240E+01	+2.2380E+03	+2.2160E+03	+9.8097E-01	+1.0832E-01
7	+1.9812E+01	+2.2125E+03	+2.2221E+03	-4.3711E-01	+1.1083E-01
8	+2.4384E+01	+2.3639E+03	+2.3163E+03	+2.0163E+00	+9.7082E-02
9	+3.0480E+01	+2.5146E+03	+2.5063E+03	+3.2755E-01	+8.5800E-02
10	+3.9624E+01	+2.8252E+03	+2.8310E+03	-2.0451E-01	+6.7967E-02
11	+4.8768E+01	+3.1341E+03	+3.1365E+03	-7.5104E-02	+5.5231E-02
12	+6.0960E+01	+3.3994E+03	+3.4691E+03	-2.0500E+00	+4.6948E-02
13	+1.5240E+02	+3.9245E+03	+4.0617E+03	-3.4974E+00	+3.5225E-02
14	+1.9812E+02	+4.2009E+03	+3.9082E+03	+6.9695E+00	+3.0741E-02
15	+2.4384E+02	+3.8840E+03	+3.6465E+03	+6.1146E+00	+3.5963E-02
16	+3.0480E+02	+3.0000E+03	+3.2831E+03	-9.4379E+00	+6.0279E-02
17	+3.9624E+02	+2.7000E+03	+2.6923E+03	+2.8436E-01	+7.4419E-02
18	+4.8768E+02	+2.1070E+03	+2.1220E+03	-7.1109E-01	+1.2220E-01
19	+6.0960E+02	+1.5400E+03	+1.4735E+03	+4.3168E+00	+2.2875E-01
20	+7.6200E+02	+8.8200E+02	+8.9000E+02	-9.0751E-01	+6.9739E-01
21	+9.1440E+02	+5.2000E+02	+5.2211E+02	-4.0481E-01	+2.0063E+00
22	+1.2192E+03	+1.7500E+02	+1.7618E+02	-6.7482E-01	+1.7715E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.71	+.54	-.42	+.43	-.36	+.35	-.28	+.26
2	-.71	+1.00	-.89	+.70	-.64	+.51	-.51	+.41	-.38
3	+.54	-.89	+1.00	-.91	+.83	-.65	+.66	-.53	+.49
4	-.42	+.70	-.91	+1.00	-.95	+.79	-.79	+.65	-.61
5	+.43	-.64	+.83	-.95	+1.00	-.93	+.92	-.80	+.75
6	-.36	+.51	-.65	+.79	-.93	+1.00	-.99	+.94	-.91
7	+.35	-.51	+.66	-.79	+.92	-.99	+1.00	-.96	+.94
8	-.28	+.41	-.53	+.65	-.80	+.94	-.96	+1.00	-1.00
9	+.26	-.38	+.49	-.61	+.75	-.91	+.94	-1.00	+1.00

REDUCED CHI-SQUARED=20.13

PHI=241.6

DLG6: ***** END *****

VE629

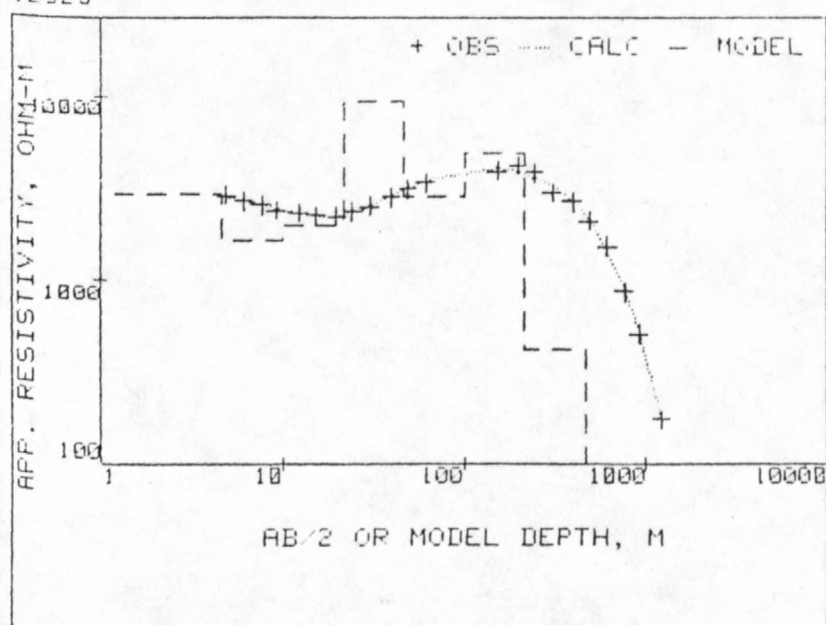
COORDINATES: 155.2885 19.3955

ELEVATION : 1106 METER

AZIMUTH : *N45E*

RESISTIVITY			THICKNESS			DEPTH	ELEV
2910.2	2924.7	2939.3	4.6	4.6	4.6	0.0	1106.0
1624.6	1657.9	1691.8	5.4	5.4	5.4	4.6	1101.4
1931.2	1995.7	2062.4	11.5	11.5	11.5	10.0	1096.0
8682.8	9330.1	10025.6	24.9	24.9	24.9	21.5	1084.5
2580.0	2873.7	3200.8	53.6	53.6	53.6	46.4	1059.6
4450.0	4879.5	5350.4	115.4	115.4	115.4	100.0	1006.0
213.3	425.7	849.6	248.7	248.7	248.7	215.4	890.6
.5	25.9	1401.6	535.8	535.8	535.8	464.2	641.9
0.0	1.8					1000.0	106.0

VE629



MARQUARDT STATISTICS: VES30

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+1.4285E+04	+1.3995E+04	+2.0357E+00	+7.9735E-02
2	+4.8768E+00	+1.6854E+04	+1.8450E+04	-9.4687E+00	+5.7285E-02
3	+6.0960E+00	+2.0625E+04	+2.1165E+04	-2.6187E+00	+3.8252E-02
4	+7.6200E+00	+2.4815E+04	+2.3990E+04	+3.3232E+00	+2.6425E-02
5	+9.1440E+00	+2.7572E+04	+2.6202E+04	+4.9689E+00	+2.1404E-02
6	+1.2192E+01	+3.1480E+04	+2.9112E+04	+7.5231E+00	+1.6420E-02
7	+1.5240E+01	+2.9813E+04	+3.0527E+04	-2.3967E+00	+1.8308E-02
8	+1.9812E+01	+3.3641E+04	+3.0925E+04	+8.0712E+00	+1.4379E-02
9	+2.4384E+01	+2.8226E+04	+3.0223E+04	-7.0754E+00	+2.0424E-02
10	+3.0480E+01	+2.7113E+04	+2.8678E+04	-5.7742E+00	+2.2135E-02
11	+3.9624E+01	+2.6561E+04	+2.6349E+04	+7.9853E-01	+2.3066E-02
12	+4.8768E+01	+2.5535E+04	+2.4476E+04	+4.1483E+00	+2.4956E-02
13	+6.0960E+01	+2.2439E+04	+2.2543E+04	-4.6489E-01	+3.2317E-02
14	+7.6200E+01	+2.0952E+04	+2.0542E+04	+1.9546E+00	+3.7069E-02
15	+9.1440E+01	+1.8692E+04	+1.8671E+04	+1.1180E-01	+4.6572E-02
16	+1.2192E+02	+1.5218E+04	+1.5323E+04	-6.8677E-01	+7.0260E-02
17	+1.5240E+02	+1.2537E+04	+1.2690E+04	-1.2198E+00	+1.0353E-01
18	+1.9812E+02	+1.0070E+04	+9.9733E+03	+9.5653E-01	+1.6048E-01
19	+3.0480E+02	+5.7584E+03	+6.0108E+03	-4.3841E+00	+4.9073E-01
20	+3.9624E+02	+4.2810E+03	+4.0976E+03	+4.2827E+00	+8.8789E-01
21	+4.8768E+02	+3.1000E+03	+2.7579E+03	+1.1034E+01	+1.6932E+00
22	+6.0960E+02	+1.4800E+03	+1.6604E+03	-1.2186E+01	+7.4288E+00
23	+7.6200E+02	+1.1800E+03	+1.1092E+03	+6.0005E+00	+1.1686E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.91	+.74	+.07	-.61	+.85	-.49	+.52	-.49
2	-.91	+1.00	-.92	+.16	+.58	-.88	+.60	-.60	+.57
3	+.74	-.92	+1.00	-.49	-.37	+.75	-.67	+.63	-.61
4	+.07	+.16	-.49	+1.00	-.45	-.03	+.59	-.48	+.48
5	-.61	+.58	-.37	-.45	+1.00	-.77	-.04	-.01	-.02
6	+.85	-.88	+.75	-.03	-.77	+1.00	-.49	+.47	-.43
7	-.49	+.60	-.67	+.59	-.04	-.49	+1.00	-.96	+.95
8	+.52	-.60	+.63	-.48	-.01	+.47	-.96	+1.00	-1.00
9	-.49	+.57	-.61	+.48	-.02	-.43	+.95	-1.00	+1.00

REDUCED CHI-SQUARED=55.07

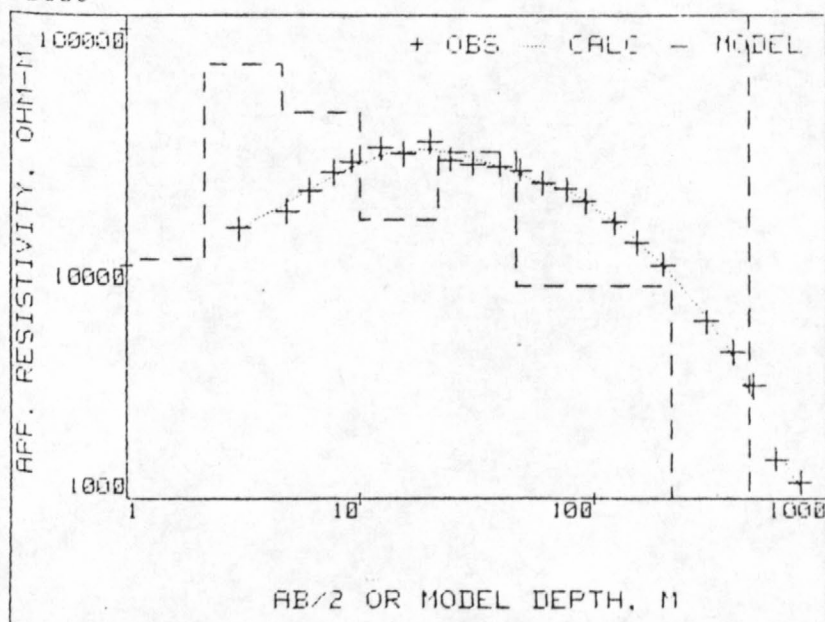
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DCLAG: END
 COORDINATES: 155.2985 19.4082
 ELEVATION : 1146 METER
 AZIMUTH : *N5W*

VES30

RESISTIVITY			THICKNESS			DEPTH	ELEV
10552.5	10584.6	10616.8	2.2	2.2	2.2	0.0	1146.0
68847.5	70246.8	71674.6	2.5	2.5	2.5	2.2	1143.8
43721.6	44474.5	45240.4	5.4	5.4	5.4	4.6	1141.4
15564.9	15683.3	15802.6	11.5	11.5	11.5	10.0	1136.0
30454.4	30594.4	30735.0	24.9	24.9	24.9	21.5	1124.5
8083.5	8137.6	8192.0	53.6	53.6	53.6	46.4	1099.6
8107.4	8158.7	8210.2	115.4	115.4	115.4	100.0	1046.0
191.5	210.7	231.8	248.7	248.7	248.7	215.4	930.6
0.0	114490.2					454.2	681.6

VES30



MARQUARDT STATISTICS: VES31

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+7.6200E+00	+4.1905E+03	+4.6533E+03	-1.1043E+01	+1.0722E+00
2	+9.1440E+00	+5.1777E+03	+5.3603E+03	-3.5268E+00	+7.0229E-01
3	+1.2192E+01	+7.0451E+03	+6.7802E+03	+3.7599E+00	+3.7933E-01
4	+1.5240E+01	+9.0796E+03	+8.1010E+03	+1.0779E+01	+2.2938E-01
5	+1.9812E+01	+1.0768E+04	+9.8256E+03	+8.7527E+00	+1.6237E-01
6	+2.4384E+01	+1.1055E+04	+1.1247E+04	-1.7326E+00	+1.5404E-01
7	+3.0480E+01	+1.2536E+04	+1.2733E+04	-1.5683E+00	+1.1980E-01
8	+3.9624E+01	+1.4553E+04	+1.4245E+04	+2.1216E+00	+8.8892E-02
9	+4.8768E+01	+1.5272E+04	+1.5116E+04	+1.0224E+00	+8.0725E-02
10	+6.0960E+01	+1.4972E+04	+1.5627E+04	-4.3759E+00	+8.3990E-02
11	+7.6200E+01	+1.5513E+04	+1.5649E+04	-8.7516E-01	+7.8232E-02
12	+9.1440E+01	+1.4951E+04	+1.5331E+04	-2.5406E+00	+8.4231E-02
13	+1.2192E+02	+1.4193E+04	+1.4378E+04	-1.3042E+00	+9.3470E-02
14	+1.5240E+02	+1.4004E+04	+1.3363E+04	+4.5771E+00	+9.5998E-02
15	+1.9812E+02	+1.2563E+04	+1.1935E+04	+4.9973E+00	+1.1930E-01
16	+2.4384E+02	+1.0624E+04	+1.0649E+04	-2.3420E-01	+1.6680E-01
17	+3.0480E+02	+8.6080E+03	+9.1126E+03	-5.6624E+00	+2.5409E-01
18	+3.9624E+02	+6.8800E+03	+7.2020E+03	-4.6809E+00	+3.9776E-01
19	+4.8768E+02	+6.0600E+03	+5.7126E+03	+5.7325E+00	+5.1268E-01
20	+6.0960E+02	+4.6220E+03	+4.2424E+03	+8.2123E+00	+8.8132E-01
21	+7.6200E+02	+2.7630E+03	+2.9770E+03	-7.7461E+00	+2.4662E+00
22	+9.1440E+02	+2.2000E+03	+2.1475E+03	+2.3846E+00	+3.8900E+00
23	+1.2192E+03	+1.3150E+03	+1.2933E+03	+1.6528E+00	+1.0888E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.89	+.83	-.78	+.70	-.17	+.48	-.19	+.19
2	-.89	+1.00	-.99	+.95	-.89	+.34	-.63	+.31	-.31
3	+.83	-.99	+1.00	-.99	+.95	-.44	+.70	-.39	+.38
4	-.78	+.95	-.99	+1.00	-.98	+.55	-.76	+.47	-.46
5	+.70	-.89	+.95	-.98	+1.00	-.70	+.85	-.60	+.59
6	-.17	+.34	-.44	+.55	-.70	+1.00	-.91	+.91	-.90
7	+.48	-.63	+.70	-.76	+.85	-.91	+1.00	-.92	+.91
8	-.19	+.31	-.39	+.47	-.60	+.91	-.92	+1.00	-1.00
9	+.19	-.31	+.38	-.46	+.59	-.90	+.91	-1.00	+1.00

REDUCED CHI-SQUARED=50.11

PHI=651.38

DCLAG: ***** END *****

VES31

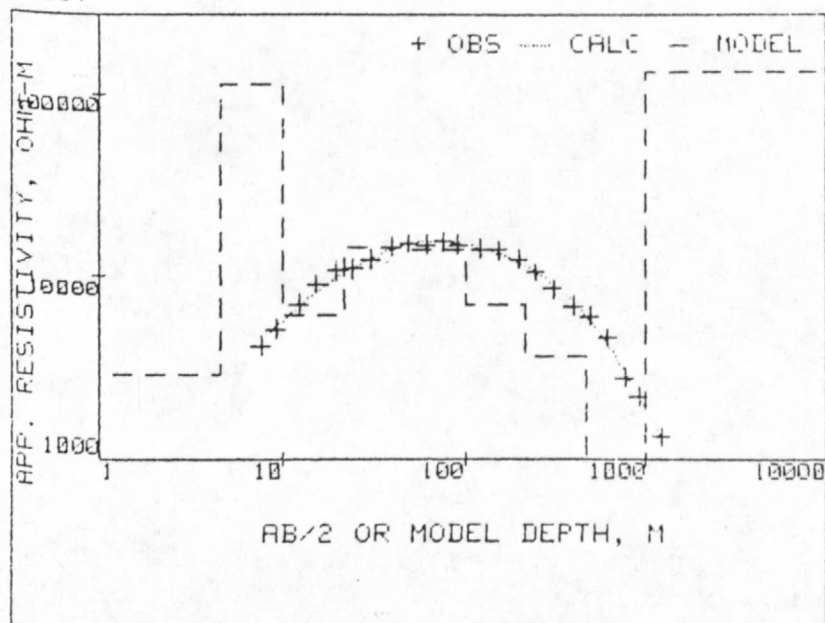
COORDINATES: 155.2393 19.4112

ELEVATION : 1176 METER

AZIMUTH : *N22W*

RESISTIVITY			THICKNESS			DEPTH	ELEV
2889.0	2894.7	2900.5	4.6	4.6	4.6	0.0	1176.0
106778.7	111454.0	116334.0	5.4	5.4	5.4	4.6	1171.4
4650.5	6132.8	8087.5	11.5	11.5	11.5	10.0	1166.0
11382.1	14644.8	18842.8	24.9	24.9	24.9	21.5	1154.5
12420.2	13966.6	15705.6	53.6	53.6	53.6	46.4	1129.5
6658.8	6956.1	7266.7	115.4	115.4	115.4	100.0	1076.0
3452.2	3648.1	3855.2	248.7	248.7	248.7	215.4	960.6
203.7	276.6	375.7	535.8	535.8	535.8	464.2	711.8
0.0	131500.0					1000.0	176.0

VES31



MARQUARDT STATISTICS: VES32

	X	OBSERVED	PREDICTED	RESIDUALS	WEIGHT FM
1	+6.0960E+00	+5.7675E+03	+5.7775E+03	-1.7305E-01	+7.2775E-01
2	+9.1440E+00	+6.7953E+03	+7.0043E+03	-3.0607E+00	+5.2410E-01
3	+1.2192E+01	+8.4667E+03	+8.1296E+03	+3.9910E+00	+3.3770E-01
4	+1.5240E+01	+8.9953E+03	+9.0209E+03	-2.8492E-01	+2.9918E-01
5	+1.9812E+01	+9.9836E+03	+9.9619E+03	+2.1737E-01	+2.4286E-01
6	+2.4384E+01	+1.0674E+04	+1.0568E+04	+9.9963E-01	+2.1246E-01
7	+3.0480E+01	+1.0784E+04	+1.1063E+04	-2.5894E+00	+2.0818E-01
8	+3.9624E+01	+1.1547E+04	+1.1458E+04	+7.6903E-01	+1.8156E-01
9	+4.8768E+01	+1.1577E+04	+1.1641E+04	-5.4859E-01	+1.8062E-01
10	+6.0960E+01	+1.1773E+04	+1.1682E+04	+7.7112E-01	+1.7466E-01
11	+7.6200E+01	+1.1551E+04	+1.1494E+04	+4.8734E-01	+1.8145E-01
12	+9.1440E+01	+1.1110E+04	+1.1137E+04	-2.4770E-01	+1.9613E-01
13	+1.2192E+02	+1.0061E+04	+1.0206E+04	-1.4414E+00	+2.3915E-01
14	+1.5240E+02	+9.3897E+03	+9.3255E+03	+6.8462E-01	+2.7457E-01
15	+1.9812E+02	+8.6003E+03	+8.3079E+03	+3.4001E+00	+3.2729E-01
16	+2.4384E+02	+7.6697E+03	+7.5986E+03	+9.2696E-01	+4.1154E-01
17	+3.0480E+02	+6.3360E+03	+6.8439E+03	-8.0159E+00	+5.0302E-01
18	+4.8768E+02	+5.1500E+03	+4.9408E+03	+4.0613E+00	+9.1274E-01
19	+6.0960E+02	+3.9220E+03	+3.7823E+03	+3.5621E+00	+1.5738E+00
20	+7.6200E+02	+2.5300E+03	+2.5069E+03	+9.1169E-01	+3.7820E+00
21	+9.1440E+02	+1.6040E+03	+1.6962E+03	-5.7455E+00	+9.4092E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.87	+.68	-.51	+.47	-.39	+.39	-.26
2	-.87	+1.00	-.92	+.74	-.66	+.55	-.55	+.39
3	+.68	-.92	+1.00	-.92	+.83	-.71	+.70	-.52
4	-.51	+.74	-.92	+1.00	-.96	+.86	-.85	+.66
5	+.47	-.66	+.83	-.96	+1.00	-.96	+.94	-.77
6	-.39	+.55	-.71	+.86	-.96	+1.00	-.99	+.89
7	+.39	-.55	+.70	-.85	+.94	-.99	+1.00	-.94
8	-.26	+.39	-.52	+.66	-.77	+.89	-.94	+1.00

REDUCED CHI-SQUARED=14.76
PHI=177.12

DCLAG: ***** END *****

VE532

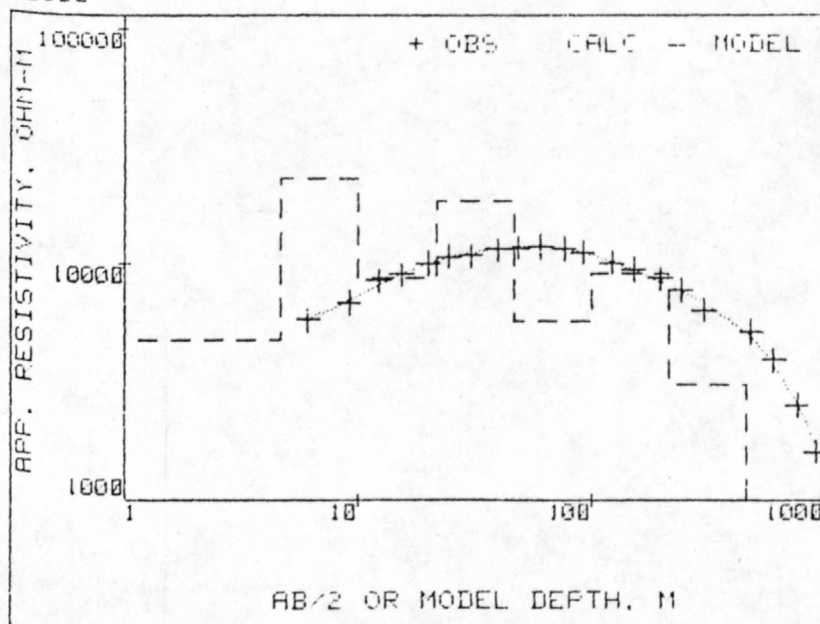
COORDINATES: 155.2238 19.385

ELEVATION : 1042.0 METER

AZIMUTH : *N32W*

RESISTIVITY			THICKNESS			DEPTH	ELEV
4683.4	4688.7	4694.1	4.6	4.6	4.6	0.0	1042.0
22967.4	23107.1	23247.8	5.4	5.4	5.4	4.6	1037.4
8605.2	8675.0	8745.4	11.5	11.5	11.5	10.0	1032.0
18112.7	18247.5	18383.4	24.9	24.9	24.9	21.5	1020.5
5581.9	5643.3	5705.4	53.6	53.6	53.6	46.4	995.6
8937.9	9023.7	9110.4	115.4	115.4	115.4	100.0	942.0
3063.7	3115.8	3168.9	248.7	248.7	248.7	215.4	826.6
24.3	31.9	42.0				464.2	577.8

VE532



MARQUARDT STATISTICS: VES33

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+8.9130E+03	+8.2228E+03	+7.7433E+00	+3.7308E-01
2	+4.8768E+00	+6.3651E+03	+6.9951E+03	-9.8986E+00	+7.3154E-01
3	+6.0960E+00	+6.4448E+03	+6.7712E+03	-5.0641E+00	+7.1355E-01
4	+7.6200E+00	+7.0846E+03	+7.0429E+03	+5.8877E-01	+5.9050E-01
5	+8.1440E+00	+7.7299E+03	+7.6675E+03	+8.0688E-01	+4.9602E-01
6	+1.2192E+01	+9.4720E+03	+9.2351E+03	+2.5018E+00	+3.3034E-01
7	+1.5240E+01	+1.0966E+04	+1.0720E+04	+2.2468E+00	+2.4645E-01
8	+1.9812E+01	+1.2671E+04	+1.2476E+04	+1.5402E+00	+1.8459E-01
9	+2.4384E+01	+1.3765E+04	+1.3685E+04	+5.8580E-01	+1.5641E-01
10	+3.0480E+01	+1.4868E+04	+1.4601E+04	+1.7917E+00	+1.3408E-01
11	+3.9624E+01	+1.4739E+04	+1.4922E+04	-1.2401E+00	+1.3643E-01
12	+4.8766E+01	+1.4813E+04	+1.4492E+04	+2.1664E+00	+1.3508E-01
13	+6.0960E+01	+1.3461E+04	+1.3409E+04	+3.9111E-01	+1.6355E-01
14	+7.6200E+01	+1.1629E+04	+1.1899E+04	-2.3183E+00	+2.1916E-01
15	+8.1440E+01	+1.0399E+04	+1.0599E+04	-1.9289E+00	+2.7409E-01
16	+1.2192E+02	+9.0032E+03	+8.9456E+03	+6.3970E-01	+3.6564E-01
17	+1.5240E+02	+8.4369E+03	+8.0731E+03	+4.3124E+00	+4.1637E-01
18	+2.4384E+02	+6.3388E+03	+6.6688E+03	-5.2059E+00	+7.3763E-01
19	+3.0480E+02	+6.1000E+03	+5.8095E+03	+4.7631E+00	+7.9650E-01
20	+3.9624E+02	+4.4850E+03	+4.5691E+03	-1.8752E+00	+1.4734E+00
21	+4.8768E+02	+3.7800E+03	+3.5358E+03	+6.4597E+00	+2.0743E+00
22	+6.0960E+02	+2.4170E+03	+2.5754E+03	-6.5554E+00	+5.0733E+00
23	+7.6200E+02	+2.0320E+03	+1.9563E+03	+3.7242E+00	+7.1779E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.64	+.13	-.04	+.03	-.03	+.05	-.06	+.06
2	-.64	+1.00	-.43	+.17	-.13	+.13	-.16	+.20	-.20
3	+.13	-.43	+1.00	-.86	+.81	-.80	+.73	-.83	+.83
4	-.04	+.17	-.86	+1.00	-.99	+.98	-.86	+.94	-.93
5	+.03	-.13	+.81	-.99	+1.00	-.99	+.86	-.92	+.91
6	-.03	+.13	-.80	+.98	-.99	+1.00	-.90	+.93	-.92
7	+.05	-.16	+.73	-.86	+.86	-.90	+1.00	-.95	+.94
8	-.06	+.20	-.83	+.94	-.92	+.93	-.95	+1.00	-1.00
9	+.06	-.20	+.83	-.93	+.91	-.92	+.94	-1.00	+1.00

REDUCED CHI-SQUARED=29.86

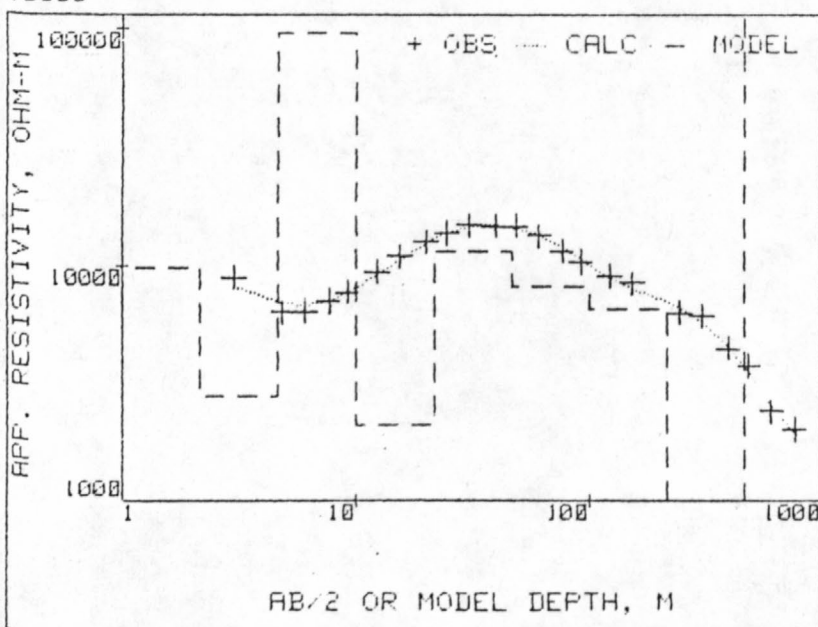
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DCLAG: ***** END *****
 COORDINATES: 155.3303 19.3872
 ELEVATION : 1012 METER
 AZIMUTH : *N45E*

VES33

RESISTIVITY			THICKNESS			DEPTH	ELEV
9738.7	9749.7	9760.8	2.2	2.2	2.2	0.0	1012.0
2818.6	2821.1	2823.6	2.5	2.5	2.5	2.2	1009.8
95738.2	95975.7	96213.8	5.4	5.4	5.4	4.6	1007.4
2036.2	2107.4	2181.0	11.5	11.5	11.5	10.0	1002.0
10606.5	11461.4	12385.2	24.9	24.9	24.9	21.5	990.5
7730.5	8098.9	8484.8	53.6	53.6	53.6	46.4	965.6
6448.4	6522.2	6596.8	115.4	115.4	115.4	100.0	912.0
373.6	406.1	441.6	248.7	248.7	248.7	215.4	796.6
.2	204539.8					464.2	547.9

VES33



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+2.2427E+04	+2.2555E+04	-5.7031E-01	+3.8934E-02
2	+3.9624E+00	+2.3819E+04	+2.3076E+04	+3.1171E+00	+3.4516E-02
3	+4.8768E+00	+2.3104E+04	+2.3565E+04	-1.9972E+00	+3.6686E-02
4	+6.0960E+00	+2.3619E+04	+2.4101E+04	-2.0423E+00	+3.5104E-02
5	+7.6200E+00	+2.4919E+04	+2.4560E+04	+1.4377E+00	+3.1537E-02
6	+9.1440E+00	+2.5352E+04	+2.4828E+04	+2.0674E+00	+3.0468E-02
7	+1.2192E+01	+2.4969E+04	+2.4946E+04	+9.0323E-02	+3.1411E-02
8	+1.5240E+01	+2.4543E+04	+2.4711E+04	-6.8345E-01	+3.2510E-02
9	+1.9812E+01	+2.3221E+04	+2.4010E+04	-3.3968E+00	+3.6315E-02
10	+2.4384E+01	+2.3515E+04	+2.3128E+04	+1.6446E+00	+3.5414E-02
11	+3.0480E+01	+2.2183E+04	+2.1885E+04	+1.3441E+00	+3.9795E-02
12	+3.9624E+01	+2.0430E+04	+2.0090E+04	+1.6677E+00	+4.6916E-02
13	+4.8768E+01	+1.8780E+04	+1.8481E+04	+1.5914E+00	+5.5525E-02
14	+6.0960E+01	+1.6018E+04	+1.6630E+04	-3.8213E+00	+7.6326E-02
15	+7.6200E+01	+1.4365E+04	+1.4757E+04	-2.7329E+00	+9.4898E-02
16	+9.1440E+01	+1.3370E+04	+1.3282E+04	+6.5876E-01	+1.0955E-01
17	+1.2192E+02	+1.1312E+04	+1.1212E+04	+8.8606E-01	+1.5303E-01
18	+1.5240E+02	+1.0740E+04	+9.8904E+03	+7.9107E+00	+1.6977E-01
19	+1.9812E+02	+1.0060E+04	+8.6201E+03	+1.4313E+01	+1.9349E-01
20	+2.4384E+02	+6.1780E+03	+7.7160E+03	-2.4895E+01	+5.1306E-01
21	+3.0480E+02	+6.9800E+03	+6.7049E+03	+3.9407E+00	+4.0193E-01
22	+3.9624E+02	+5.6350E+03	+5.3782E+03	+4.5570E+00	+6.1671E-01
23	+4.8768E+02	+4.3700E+03	+4.2593E+03	+2.5326E+00	+1.0254E+00
24	+6.0960E+02	+3.3450E+03	+3.0517E+03	+8.7680E+00	+1.7501E+00
25	+7.6200E+02	+1.9540E+03	+1.9709E+03	-8.6340E-01	+5.1288E+00
26	+9.1440E+02	+1.1320E+03	+1.2422E+03	-9.7329E+00	+1.5282E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.86	+.62	-.39	+.25	-.11	+.04	-.02	-.01
2	-.86	+1.00	-.87	+.63	-.43	+.24	-.13	+.10	-.04
3	+.62	-.87	+1.00	-.88	+.67	-.43	+.27	-.21	+.13
4	-.39	+.63	-.88	+1.00	-.89	+.65	-.45	+.37	-.25
5	+.25	-.43	+.67	-.89	+1.00	-.87	+.67	-.57	+.41
6	-.11	+.24	-.43	+.65	-.87	+1.00	-.90	+.79	-.61
7	+.04	-.13	+.27	-.45	+.67	-.90	+1.00	-.95	+.81
8	-.02	+.10	-.21	+.37	-.57	+.79	-.95	+1.00	-.95
9	-.01	-.04	+.13	-.25	+.41	-.61	+.81	-.95	+1.00

REDUCED CHI-SQUARED=73.25

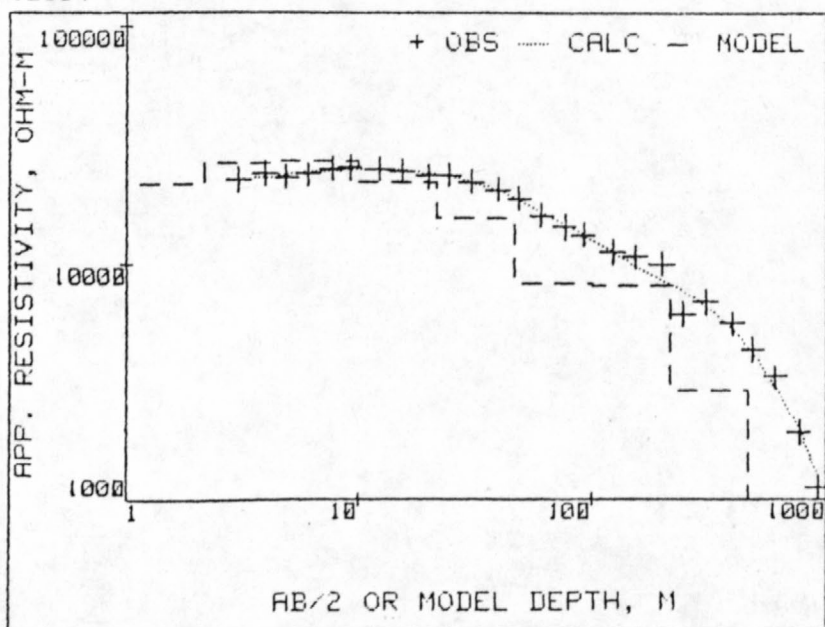
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DCLAG: ***** END *****
 COORDINATES: 155.3197 19.4048
 ELEVATION : 1085 METER
 AZIMUTH : *N45E*

VES34

RESISTIVITY			THICKNESS			DEPTH	ELEV
21631.5	21699.8	21768.3	2.2	2.2	2.2	0.0	1085.0
26348.8	26583.6	26820.5	2.5	2.5	2.5	2.2	1082.8
26788.2	27062.9	27340.4	5.4	5.4	5.4	4.6	1080.4
21652.5	21870.0	22089.6	11.5	11.5	11.5	10.0	1075.0
15362.6	15500.7	15640.0	24.9	24.9	24.9	21.5	1063.5
8287.1	8360.0	8433.6	53.6	53.6	53.6	46.4	1038.5
8162.3	8226.5	8291.2	115.4	115.4	115.4	100.0	985.0
2899.5	2936.0	2973.1	248.7	248.7	248.7	215.4	869.6
19.0	26.6	37.3				464.2	620.8

VES34



MARQUARDT STATISTICS: VES35

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+2.7737E+00	+4.2569E+02	+4.3448E+02	-2.0650E+00	+5.4636E+00
2	+3.7186E+00	+5.0910E+02	+5.2824E+02	-3.7604E+00	+3.8200E+00
3	+4.6330E+00	+6.2990E+02	+6.2702E+02	+4.5803E-01	+2.4953E+00
4	+6.0350E+00	+7.8714E+02	+7.7702E+02	+1.2855E+00	+1.5979E+00
5	+7.4371E+00	+9.2424E+02	+9.1683E+02	+8.0160E-01	+1.1590E+00
6	+9.2964E+00	+1.1428E+03	+1.0824E+03	+5.2873E+00	+7.5805E-01
7	+1.2070E+01	+1.3496E+03	+1.2878E+03	+4.5788E+00	+5.4360E-01
8	+1.4874E+01	+1.4417E+03	+1.4495E+03	-5.4553E-01	+4.7636E-01
9	+1.8593E+01	+1.5702E+03	+1.6030E+03	-2.0873E+00	+4.0157E-01
10	+2.3226E+01	+1.6794E+03	+1.7154E+03	-2.1430E+00	+3.5102E-01
11	+2.7859E+01	+1.7351E+03	+1.7631E+03	-1.6142E+00	+3.2885E-01
12	+3.7186E+01	+1.6944E+03	+1.7391E+03	-2.6331E+00	+3.4483E-01
13	+4.6330E+01	+1.6537E+03	+1.6449E+03	+5.3242E-01	+3.6202E-01
14	+5.5778E+01	+1.5573E+03	+1.5348E+03	+1.4483E+00	+4.0822E-01
15	+7.4371E+01	+1.4492E+03	+1.3746E+03	+5.1426E+00	+4.7144E-01
16	+9.2964E+01	+1.2960E+03	+1.3152E+03	-1.4810E+00	+5.8946E-01
17	+1.2070E+02	+1.2660E+03	+1.3457E+03	-6.2971E+00	+6.1773E-01
18	+1.4874E+02	+1.4210E+03	+1.4247E+03	-2.5966E-01	+4.9031E-01
19	+1.8593E+02	+1.5290E+03	+1.5239E+03	+3.3164E-01	+4.2349E-01
20	+2.3226E+02	+1.6500E+03	+1.5865E+03	+3.8504E+00	+3.6366E-01
21	+2.7859E+02	+1.6610E+03	+1.5870E+03	+4.4556E+00	+3.5886E-01
22	+3.7186E+02	+1.4000E+03	+1.4596E+03	-4.2590E+00	+5.0513E-01
23	+4.6452E+02	+1.2160E+03	+1.2407E+03	-2.0284E+00	+6.6957E-01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.93	+.80	-.51	+.38	-.27	+.23	-.19	+.18
2	-.93	+1.00	-.94	+.71	-.54	+.39	-.34	+.29	-.27
3	+.80	-.94	+1.00	-.90	+.74	-.56	+.49	-.42	+.40
4	-.51	+.71	-.90	+1.00	-.93	+.78	-.70	+.61	-.58
5	+.38	-.54	+.74	-.93	+1.00	-.95	+.89	-.81	+.77
6	-.27	+.39	-.56	+.78	-.95	+1.00	-.98	+.92	-.89
7	+.23	-.34	+.49	-.70	+.89	-.98	+1.00	-.98	+.96
8	-.19	+.29	-.42	+.61	-.81	+.92	-.98	+1.00	-1.00
9	+.18	-.27	+.40	-.58	+.77	-.89	+.96	-1.00	+1.00

REDUCED CHI-SQUARED=16.65

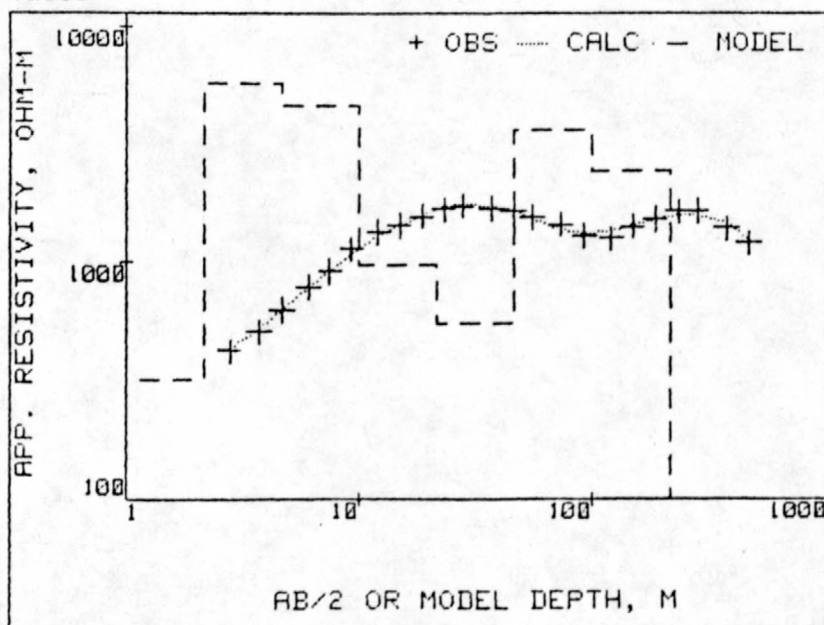
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DCLAG: ***** END *****
 COORDINATES: 155.3408 19.4167
 ELEVATION : 1116 METER.
 AZIMUTH : *N45E*

VES35

RESISTIVITY			THICKNESS			DEPTH	ELEV
320.4	322.7	325.0	2.2	2.2	2.2	0.0	1116.0
4920.6	5809.4	6858.8	2.5	2.5	2.5	2.2	1113.8
3934.7	4662.6	5525.2	5.4	5.4	5.4	4.6	1111.4
761.0	979.5	1260.5	11.5	11.5	11.5	10.0	1106.0
469.3	554.0	653.9	24.9	24.9	24.9	21.5	1094.5
2206.4	3661.0	6074.6	53.6	53.6	53.6	46.4	1069.6
993.5	2452.3	6053.5	115.4	115.4	115.4	100.0	1016.0
0.0	15.8		248.7	248.7	248.7	215.4	900.6
0.0	12.2					464.2	651.8

VES35



	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.9624E+00	+2.8421E+03	+2.8347E+03	+2.6183E-01	+4.0786E+00
2	+6.0960E+00	+3.5188E+03	+3.5595E+03	-1.1544E+00	+2.6608E+00
3	+9.1440E+00	+4.7369E+03	+4.6638E+03	+1.5436E+00	+1.4684E+00
4	+1.2192E+01	+5.7926E+03	+5.6958E+03	+1.6705E+00	+9.8193E-01
5	+1.5240E+01	+6.4512E+03	+6.6018E+03	-2.3348E+00	+7.9166E-01
6	+1.9812E+01	+7.4888E+03	+7.7190E+03	-3.0741E+00	+5.8748E-01
7	+2.4384E+01	+8.5715E+03	+8.5806E+03	-1.0531E-01	+4.4844E-01
8	+3.0480E+01	+1.0060E+04	+9.4091E+03	+6.4728E+00	+3.2554E-01
9	+3.9624E+01	+9.9654E+03	+1.0144E+04	-1.7938E+00	+3.3177E-01
10	+4.8768E+01	+1.0487E+04	+1.0488E+04	-9.4985E-03	+2.9956E-01
11	+6.0960E+01	+1.0582E+04	+1.0632E+04	-4.6692E-01	+2.9421E-01
12	+7.6200E+01	+1.0487E+04	+1.0597E+04	-1.0433E+00	+2.9956E-01
13	+9.1440E+01	+1.0487E+04	+1.0517E+04	-2.8128E-01	+2.9956E-01
14	+1.2192E+02	+1.0441E+04	+1.0370E+04	+6.7996E-01	+3.0224E-01
15	+1.5240E+02	+1.0301E+04	+1.0160E+04	+1.3712E+00	+3.1050E-01
16	+1.9812E+02	+9.5552E+03	+9.6096E+03	-5.6942E-01	+3.6086E-01
17	+2.4384E+02	+8.7628E+03	+8.8096E+03	-5.3419E-01	+4.2908E-01
18	+3.0480E+02	+7.6441E+03	+7.6835E+03	-5.1471E-01	+5.6385E-01
19	+3.9624E+02	+6.2458E+03	+6.1833E+03	+1.0013E+00	+8.4458E-01
20	+4.8768E+02	+5.0339E+03	+5.0696E+03	-7.0832E-01	+1.3002E+00
21	+6.0960E+02	+4.0430E+03	+4.0148E+03	+6.9674E-01	+2.0156E+00
22	+7.1628E+02	+3.3110E+03	+3.3262E+03	-4.5868E-01	+3.0054E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.94	+.74	-.61	+.27	-.13	+.11	-.07	+.07
2	-.94	+1.00	-.91	+.78	-.37	+.19	-.15	+.11	-.10
3	+.74	-.91	+1.00	-.94	+.54	-.31	+.26	-.19	+.18
4	-.61	+.78	-.94	+1.00	-.77	+.53	-.46	+.35	-.34
5	+.27	-.37	+.54	-.77	+1.00	-.91	+.85	-.71	+.69
6	-.13	+.19	-.31	+.53	-.91	+1.00	-.98	+.89	-.87
7	+.11	-.15	+.26	-.46	+.85	-.98	+1.00	-.96	+.95
8	-.07	+.11	-.19	+.35	-.71	+.89	-.96	+1.00	-1.00
9	+.07	-.10	+.18	-.34	+.69	-.87	+.95	-1.00	+1.00

REDUCED CHI-SQUARED=6.117

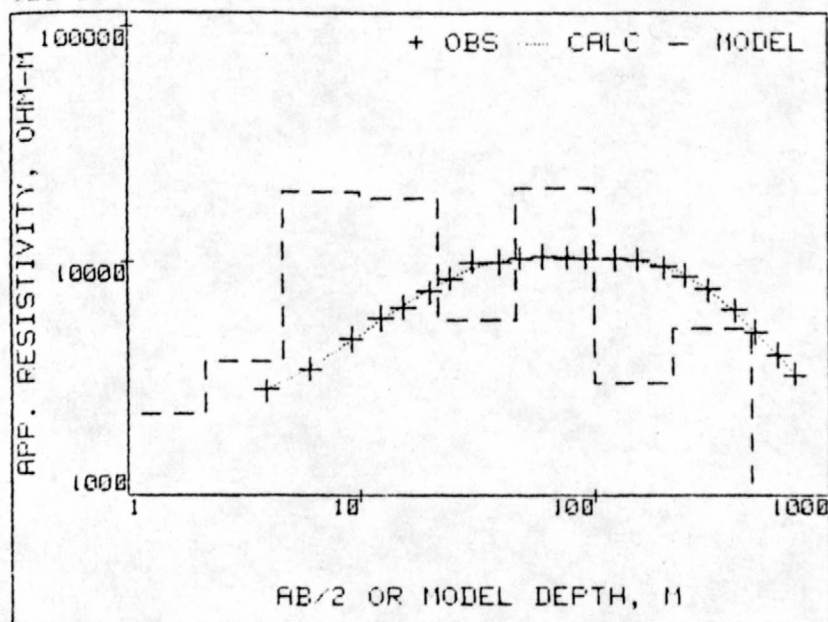
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DCLAG: ***** END *****
 COORDINATES: 155.2563 19.405
 ELEVATION : 1120 METER
 AZIMUTH : *N78E*

VES 36

RESISTIVITY			THICKNESS			DEPTH	ELEV
2229.4	2233.3	2237.1	2.2	2.2	2.2	0.0	1120.0
3739.3	3759.0	3778.9	2.5	2.5	2.5	2.2	1117.8
19820.3	20011.8	20205.1	5.4	5.4	5.4	4.6	1115.4
18693.3	18816.1	18939.7	11.5	11.5	11.5	10.0	1110.0
5651.9	5677.5	5703.2	24.9	24.9	24.9	21.5	1095.5
20739.1	20853.6	20968.7	53.6	53.6	53.6	46.4	1073.6
2978.6	3035.5	3093.5	115.4	115.4	115.4	100.0	1030.0
5131.4	5240.6	5352.2	248.7	248.7	248.7	215.4	904.6
6.4	35.5	196.5				464.2	655.8

VES 36



MARQUARDT STATISTICS: VES37

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1000E+00	+3.4933E+03	+3.3114E+03	+5.2059E+00	+1.6972E-01
2	+1.2200E+01	+2.9856E+03	+3.1707E+03	-6.1987E+00	+2.3234E-01
3	+1.5200E+01	+2.9646E+03	+3.0340E+03	-2.3383E+00	+2.3564E-01
4	+1.9800E+01	+2.9926E+03	+2.8212E+03	+5.7266E+00	+2.3126E-01
5	+2.4400E+01	+2.7015E+03	+2.6018E+03	+3.6889E+00	+2.8378E-01
6	+3.0500E+01	+2.2392E+03	+2.3085E+03	-3.0944E+00	+4.1305E-01
7	+3.9600E+01	+1.9119E+03	+1.9017E+03	+5.3289E-01	+5.6661E-01
8	+4.8800E+01	+1.5484E+03	+1.5660E+03	-1.1391E+00	+8.6387E-01
9	+6.1000E+01	+1.2200E+03	+1.2525E+03	-2.6605E+00	+1.3914E+00
10	+7.6200E+01	+1.0694E+03	+1.0314E+03	+3.5487E+00	+1.8110E+00
11	+9.1400E+01	+9.4388E+02	+9.3116E+02	+1.3470E+00	+2.3247E+00
12	+1.2200E+02	+8.7301E+02	+8.9815E+02	-2.8794E+00	+2.7174E+00
13	+1.5200E+02	+9.2813E+02	+9.5221E+02	-2.5948E+00	+2.4042E+00
14	+1.8300E+02	+1.0659E+03	+1.0340E+03	+2.9948E+00	+1.8228E+00
15	+2.4400E+02	+1.2500E+03	+1.2094E+03	+3.2431E+00	+1.3255E+00
16	+3.0500E+02	+1.3730E+03	+1.3702E+03	+2.0097E-01	+1.0986E+00
17	+3.9600E+02	+1.4900E+03	+1.5693E+03	-5.3211E+00	+9.3286E-01
18	+4.8800E+02	+1.7050E+03	+1.7178E+03	-7.4895E-01	+7.1243E-01
19	+6.1000E+02	+1.9020E+03	+1.8476E+03	+2.8599E+00	+5.7249E-01
20	+7.6200E+02	+1.9050E+03	+1.9100E+03	-2.5989E-01	+5.7069E-01
21	+9.1400E+02	+1.9040E+03	+1.8938E+03	+5.3780E-01	+5.7129E-01
22	+1.2200E+03	+1.7640E+03	+1.7103E+03	+3.0432E+00	+6.6557E-01
23	+1.5240E+03	+1.3830E+03	+1.4326E+03	-3.5840E+00	+1.0828E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.86	+.65	-.45	+.37	-.29	+.17	-.08	-.07
2	-.86	+1.00	-.88	+.70	-.58	+.45	-.30	+.20	-.05
3	+.65	-.88	+1.00	-.92	+.77	-.59	+.42	-.32	+.18
4	-.45	+.70	-.92	+1.00	-.92	+.74	-.55	+.45	-.31
5	+.37	-.58	+.77	-.92	+1.00	-.92	+.73	-.61	+.46
6	-.29	+.45	-.59	+.74	-.92	+1.00	-.91	+.81	-.65
7	+.17	-.30	+.42	-.55	+.73	-.91	+1.00	-.97	+.87
8	-.08	+.20	-.32	+.45	-.61	+.81	-.97	+1.00	-.96
9	-.07	-.05	+.18	-.31	+.46	-.65	+.87	-.96	+1.00

REDUCED CHI-SQUARED=18.78

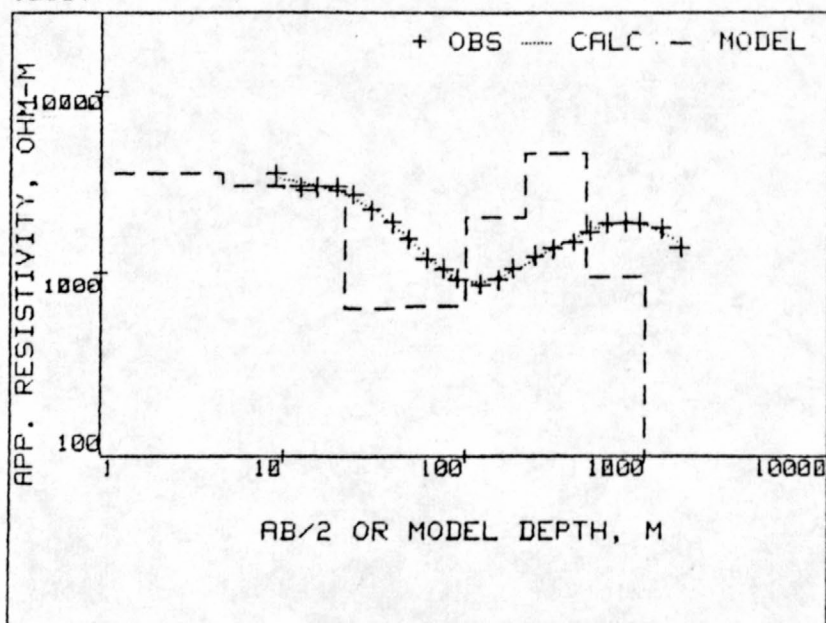
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DCLAG: ***** END *****
 COORDINATES: 155.3477 19.4267
 ELEVATION : 1295 METER
 AZIMUTH : *N45E*

VES37

RESISTIVITY			THICKNESS			DEPTH	ELEV
3518.3	3543.3	3568.5	4.6	4.6	4.6	0.0	1295.0
2997.7	3033.3	3069.2	5.4	5.4	5.4	4.6	1290.4
2816.4	2849.3	2882.6	11.5	11.5	11.5	10.0	1285.0
641.4	655.5	669.8	24.9	24.9	24.9	21.5	1273.5
642.1	657.4	673.1	53.6	53.6	53.6	46.4	1248.6
1938.9	2031.8	2129.1	115.4	115.4	115.4	100.0	1195.0
4269.9	4595.3	4945.4	248.7	248.7	248.7	215.4	1079.6
726.6	964.5	1280.3	535.8	535.8	535.8	464.2	830.8
0.0	14.6	7372.8				1000.0	295.0

VES37



MARQUARDT STATISTICS: VES 38

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.0480E+00	+9.5916E+03	+1.0116E+04	-5.4653E+00	+1.6112E-02
2	+4.8768E+00	+1.3844E+04	+1.3337E+04	+3.6602E+00	+7.7338E-03
3	+6.0960E+00	+1.5706E+04	+1.5154E+04	+3.5136E+00	+6.0091E-03
4	+7.6200E+00	+1.6985E+04	+1.6851E+04	+7.8553E-01	+5.1383E-03
5	+9.1440E+00	+1.7655E+04	+1.7968E+04	-1.7730E+00	+4.7554E-03
6	+1.2192E+01	+2.0000E+04	+1.8911E+04	+5.4435E+00	+3.7057E-03
7	+1.5240E+01	+1.8943E+04	+1.8798E+04	+7.6218E-01	+4.1309E-03
8	+1.9812E+01	+1.6805E+04	+1.7844E+04	-6.1852E+00	+5.2487E-03
9	+2.4384E+01	+1.6819E+04	+1.6785E+04	+1.9922E-01	+5.2401E-03
10	+3.0480E+01	+1.5905E+04	+1.5797E+04	+6.7726E-01	+5.8595E-03
11	+3.9624E+01	+1.5264E+04	+1.5256E+04	+5.1038E-02	+6.3619E-03
12	+4.8768E+01	+1.5453E+04	+1.5288E+04	+1.0673E+00	+6.2077E-03
13	+6.0960E+01	+1.5566E+04	+1.5431E+04	+8.6956E-01	+6.1172E-03
14	+7.6200E+01	+1.5197E+04	+1.5362E+04	-1.0894E+00	+6.4186E-03
15	+9.1440E+01	+1.4981E+04	+1.5009E+04	-1.8264E-01	+6.6045E-03
16	+1.2192E+02	+1.3883E+04	+1.3867E+04	+1.1207E-01	+7.6907E-03
17	+1.5240E+02	+1.2552E+04	+1.2598E+04	-3.6924E-01	+9.4081E-03
18	+1.9812E+02	+1.1030E+04	+1.0707E+04	+2.9329E+00	+1.2183E-02
19	+2.4384E+02	+8.8531E+03	+8.9771E+03	-1.4006E+00	+1.8912E-02
20	+3.0480E+02	+6.7200E+03	+6.8187E+03	-1.4689E+00	+3.2824E-02
21	+3.9624E+02	+4.4000E+03	+4.2258E+03	+3.9593E+00	+7.6564E-02
22	+4.8768E+02	+2.3540E+03	+2.5958E+03	-1.0273E+01	+2.6750E-01
23	+6.0960E+02	+1.4120E+03	+1.3282E+03	+5.9322E+00	+7.4346E-01
24	+7.6200E+02	+6.6000E+02	+6.0940E+02	+7.6662E+00	+3.4028E+00
25	+9.1440E+02	+2.7000E+02	+2.9060E+02	-7.6302E+00	+2.0333E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.67	+.47	-.33	+.25	-.11	+.16	+.28	-.43
2	-.67	+1.00	-.85	+.69	-.58	+.38	-.48	-.04	+.10
3	+.47	-.85	+1.00	-.93	+.84	-.64	+.74	-.18	+.17
4	-.33	+.69	-.93	+1.00	-.97	+.83	-.90	+.37	-.37
5	+.25	-.58	+.84	-.97	+1.00	-.94	+.97	-.51	+.50
6	-.11	+.38	-.64	+.83	-.94	+1.00	-.99	+.73	-.69
7	+.16	-.48	+.74	-.90	+.97	-.99	+1.00	-.69	+.66
8	+.28	-.04	-.18	+.37	-.51	+.73	-.69	+1.00	-.97
9	-.43	+.10	+.17	-.37	+.50	-.69	+.66	-.97	+1.00

REDUCED CHI-SQUARED=27.85

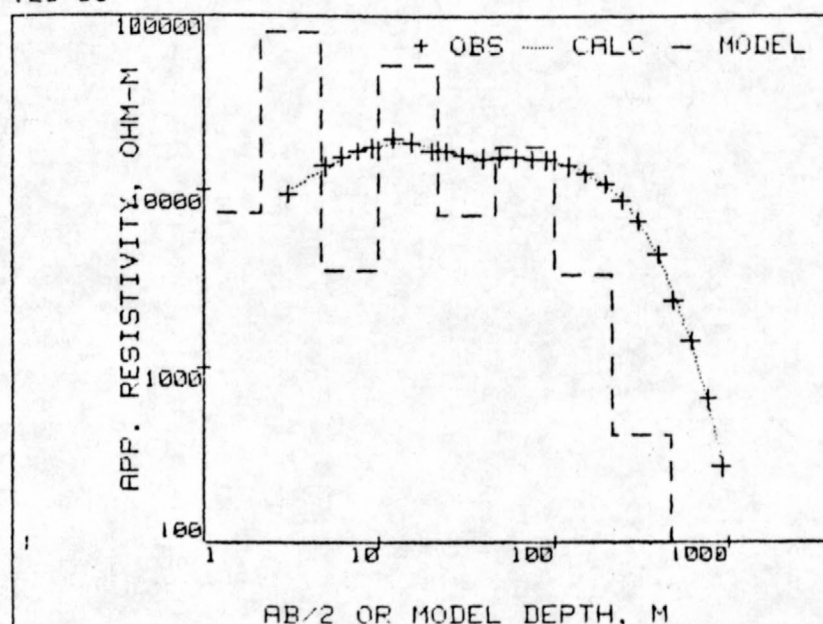
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OCLAG: ***** END *****
 COORDINATES: 155.2218 19.3702
 ELEVATION : 990 METER
 AZIMUTH : *N25E*

VES 38

RESISTIVITY			THICKNESS			DEPTH	ELEV
7498.4	7523.4	7548.4	2.2	2.2	2.2	0.0	990.0
78922.2	79652.0	80388.6	2.5	2.5	2.5	2.2	987.8
3462.1	3552.4	3645.1	5.4	5.4	5.4	4.6	985.4
49514.0	53036.1	56808.8	11.5	11.5	11.5	10.0	980.0
6456.8	7342.2	8349.0	24.9	24.9	24.9	21.5	968.5
16749.1	18029.2	19407.0	53.6	53.6	53.6	46.4	943.6
2643.5	3346.2	4235.6	115.4	115.4	115.4	100.0	890.0
361.5	409.6	464.0	248.7	248.7	248.7	215.4	774.6
3.6	10.6	31.2				464.2	525.8

VES 38



MARQUARDT STATISTICS: KIL39

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1000E+00	+8.3554E+03	+8.5389E+03	-2.1954E+00	+1.2615E-01
2	+1.2200E+01	+9.9343E+03	+9.4760E+03	+4.6131E+00	+8.9236E-02
3	+1.5200E+01	+9.4464E+03	+1.0295E+04	-8.9797E+00	+9.8691E-02
4	+1.9800E+01	+1.2201E+04	+1.1282E+04	+7.5343E+00	+5.9155E-02
5	+3.0500E+01	+1.2165E+04	+1.2261E+04	-7.9059E-01	+5.9509E-02
6	+3.9600E+01	+1.2471E+04	+1.2018E+04	+3.6344E+00	+5.6625E-02
7	+6.1000E+01	+9.6727E+03	+1.0010E+04	-3.4923E+00	+9.4128E-02
8	+7.6200E+01	+8.4702E+03	+8.5686E+03	-1.1611E+00	+1.2275E-01
9	+9.1400E+01	+7.5973E+03	+7.4565E+03	+1.8540E+00	+1.5258E-01
10	+1.2200E+02	+5.9404E+03	+5.9981E+03	-9.7123E-01	+2.4956E-01
11	+1.5200E+02	+5.0104E+03	+4.9681E+03	+8.4505E-01	+3.5081E-01
12	+1.9800E+02	+4.0320E+03	+4.0337E+03	-4.2504E-02	+5.4172E-01
13	+2.4400E+02	+3.3589E+03	+3.2851E+03	+2.1987E+00	+7.8058E-01
14	+3.0500E+02	+2.4880E+03	+2.5848E+03	-3.8919E+00	+1.4227E+00
15	+3.9600E+02	+2.0600E+03	+2.0640E+03	-1.9346E-01	+2.0753E+00
16	+4.8800E+02	+1.9750E+03	+1.8928E+03	+4.1644E+00	+2.2578E+00
17	+6.1000E+02	+1.9160E+03	+1.8872E+03	+1.5031E+00	+2.3990E+00
18	+7.6200E+02	+1.8800E+03	+1.9241E+03	-2.3478E+00	+2.4917E+00
19	+9.1400E+02	+1.8900E+03	+1.9360E+03	-2.4347E+00	+2.4654E+00
20	+1.2190E+03	+1.9300E+03	+1.8647E+03	+3.3824E+00	+2.3643E+00
21	+1.5240E+03	+1.7920E+03	+1.7608E+03	+1.7429E+00	+2.7424E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.29	-.10	+.26	-.14	+.14	-.12	+.11	-.11
2	-.29	+1.00	-.66	+.44	-.17	+.26	-.23	+.21	-.21
3	-.10	-.66	+1.00	-.87	+.47	-.55	+.48	-.46	+.44
4	+.26	+.44	-.87	+1.00	-.73	+.75	-.67	+.63	-.62
5	-.14	-.17	+.47	-.73	+1.00	-.94	+.88	-.85	+.84
6	+.14	+.26	-.55	+.75	-.94	+1.00	-.98	+.96	-.95
7	-.12	-.23	+.48	-.67	+.88	-.98	+1.00	-.99	+.99
8	+.11	+.21	-.46	+.63	-.85	+.96	-.99	+1.00	-1.00
9	-.11	-.21	+.44	-.62	+.84	-.95	+.99	-1.00	+1.00

REDUCED CHI-SQUARED=23.77

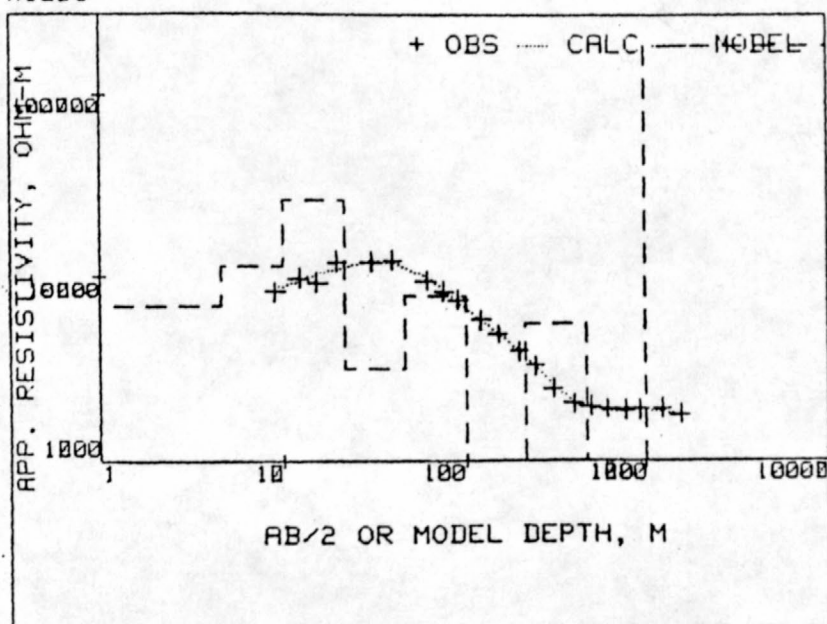
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DCLAG: ***** END *****
 COORDINATES: 155.2007 19.3502
 ELEVATION : 869 METER
 AZIMUTH : *N75W*

KIL39

RESISTIVITY			THICKNESS			DEPTH	ELEV
6955.5	6960.1	6964.8	4.6	4.6	4.6	0.0	869.0
11400.1	11441.3	11482.7	5.4	5.4	5.4	4.6	864.4
26212.0	26314.1	26416.7	11.5	11.5	11.5	10.0	859.0
3211.1	3236.9	3262.9	24.9	24.9	24.9	21.5	847.5
8037.1	8070.6	8104.3	53.6	53.6	53.6	46.4	822.6
639.1	651.8	664.7	115.4	115.4	115.4	100.0	769.0
5240.3	5690.8	6180.1	248.7	248.7	248.7	215.4	653.6
191.1	353.0	652.3	535.8	535.8	535.8	464.2	404.8
0.0	182609.2					1000.0	-131.0

KIL39



MARQUARDT STATISTICS: QES40

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+3.1000E+00	+6.6532E+03	+6.7798E+03	-1.9019E+00	+7.2850E-02
2	+4.0000E+00	+7.2077E+03	+7.1225E+03	+1.1821E+00	+6.2073E-02
3	+4.9000E+00	+7.6106E+03	+7.4857E+03	+1.6415E+00	+5.5675E-02
4	+6.1000E+00	+8.1281E+03	+7.9709E+03	+1.9336E+00	+4.8812E-02
5	+7.6000E+00	+8.4293E+03	+8.5612E+03	-1.5646E+00	+4.5385E-02
6	+9.1000E+00	+9.0983E+03	+9.1311E+03	-3.6084E-01	+3.8956E-02
7	+1.2200E+01	+9.8875E+03	+1.0249E+04	-3.6589E+00	+3.2986E-02
8	+1.5200E+01	+1.1371E+04	+1.1238E+04	+1.1695E+00	+2.4942E-02
9	+1.9800E+01	+1.2516E+04	+1.2503E+04	+1.0487E-01	+2.0586E-02
10	+2.4400E+01	+1.3539E+04	+1.3397E+04	+1.0513E+00	+1.7591E-02
11	+3.0500E+01	+1.4066E+04	+1.4003E+04	+4.4762E-01	+1.6299E-02
12	+3.9600E+01	+1.4091E+04	+1.3897E+04	+1.3759E+00	+1.6240E-02
13	+4.8800E+01	+1.3250E+04	+1.2997E+04	+1.9134E+00	+1.8367E-02
14	+6.1000E+01	+1.1054E+04	+1.1238E+04	-1.6618E+00	+2.6392E-02
15	+7.6200E+01	+8.7106E+03	+8.9196E+03	-2.3993E+00	+4.2501E-02
16	+9.1400E+01	+6.9473E+03	+6.9399E+03	+1.0600E-01	+6.6814E-02
17	+1.2200E+02	+4.0974E+03	+4.0081E+03	+2.1789E+00	+1.9208E-01
18	+1.5200E+02	+2.4244E+03	+2.4786E+03	-2.2348E+00	+5.4864E-01
19	+1.9800E+02	+1.5223E+03	+1.4658E+03	+3.7141E+00	+1.3915E+00
20	+2.4400E+02	+1.0212E+03	+1.0589E+03	-3.6882E+00	+3.0923E+00
21	+3.0500E+02	+8.5100E+02	+8.3680E+02	+1.6690E+00	+4.4529E+00
22	+3.9600E+02	+7.2500E+02	+7.2522E+02	-3.0733E-02	+6.1351E+00
23	+4.8800E+02	+7.0000E+02	+6.9947E+02	+7.6141E-02	+6.5811E+00

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8	9
1	+1.00	-.86	+.62	-.47	+.46	-.47	+.54	-.64	+.70
2	-.86	+1.00	-.88	+.68	-.66	+.64	-.72	+.80	-.86
3	+.62	-.88	+1.00	-.89	+.86	-.77	+.82	-.84	+.85
4	-.47	+.68	-.89	+1.00	-.99	+.90	-.90	+.84	-.81
5	+.46	-.66	+.86	-.99	+1.00	-.95	+.93	-.87	+.83
6	-.47	+.64	-.77	+.90	-.95	+1.00	-.99	+.94	-.89
7	+.54	-.72	+.82	-.90	+.93	-.99	+1.00	-.98	+.95
8	-.64	+.80	-.84	+.84	-.87	+.94	-.98	+1.00	-.99
9	+.70	-.86	+.85	-.81	+.83	-.89	+.95	-.99	+1.00

REDUCED CHI-SQUARED=6.47

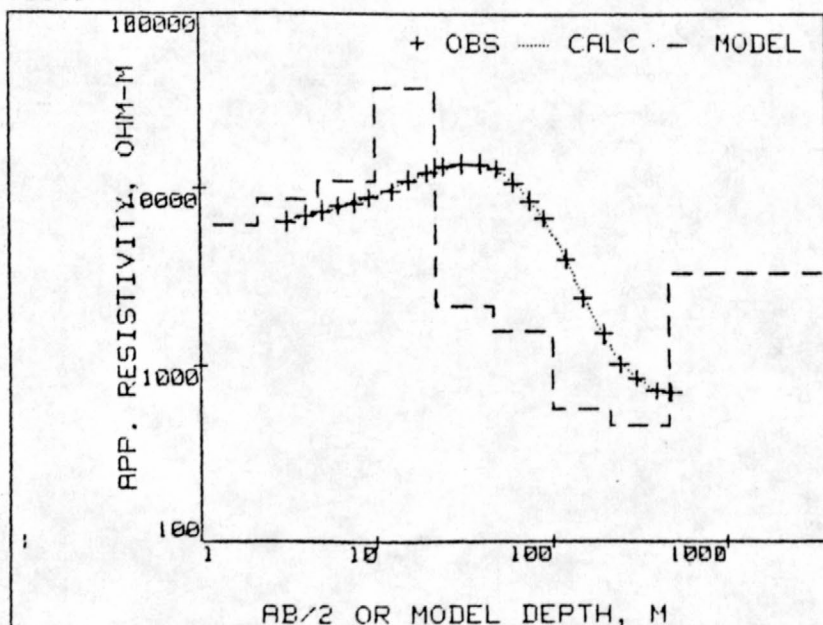
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DCLAG: ***** END *****
 COORDINATES: 155.217 19.4433
 ELEVATION : 1048 METER
 AZIMUTH : *N65E*

VES40

RESISTIVITY			THICKNESS			DEPTH	ELEV
6243.2	6257.9	6272.7	2.2	2.2	2.2	0.0	1048.0
8782.8	8846.0	8909.6	2.5	2.5	2.5	2.2	1045.8
11154.5	11242.2	11330.6	5.4	5.4	5.4	4.6	1043.4
38021.3	38337.1	38655.5	11.5	11.5	11.5	10.0	1038.0
2021.3	2155.9	2299.4	24.9	24.9	24.9	21.5	1026.5
1543.6	1592.3	1642.7	53.6	53.6	53.6	46.4	1001.6
525.6	563.0	603.1	115.4	115.4	115.4	100.0	948.0
394.1	453.9	522.9	248.7	248.7	248.7	215.4	832.6
1423.2	3311.9	7707.1				464.2	583.8

VES40



MARQUARDT STATISTICS: VES41

	X	OBSERVED	PREDICTED	%RESIDUALS	WEIGHT FN
1	+9.1000E+00	+1.4356E+04	+1.3404E+04	+6.6363E+00	+1.3006E-02
2	+1.2200E+01	+1.0027E+04	+1.0701E+04	-6.7123E+00	+2.6659E-02
3	+1.5200E+01	+8.9355E+03	+9.1795E+03	-2.7309E+00	+3.3573E-02
4	+1.9800E+01	+8.0499E+03	+8.1319E+03	-1.0189E+00	+4.1365E-02
5	+2.4400E+01	+7.7625E+03	+7.7167E+03	+5.8896E-01	+4.4486E-02
6	+3.0500E+01	+7.7055E+03	+7.3539E+03	+4.5631E+00	+4.5146E-02
7	+3.9600E+01	+6.9563E+03	+6.7474E+03	+3.0023E+00	+5.5394E-02
8	+4.8800E+01	+6.3661E+03	+6.0721E+03	+4.6177E+00	+6.6142E-02
9	+6.1000E+01	+5.3549E+03	+5.2666E+03	+1.6501E+00	+9.3478E-02
10	+7.6200E+01	+3.8350E+03	+4.5409E+03	-1.8407E+01	+1.8226E-01
11	+9.1400E+01	+4.1268E+03	+4.0648E+03	+1.5034E+00	+1.5739E-01
12	+1.2200E+02	+4.2166E+03	+3.4883E+03	+1.7273E+01	+1.5076E-01
13	+1.5200E+02	+3.4194E+03	+3.1274E+03	+8.5407E+00	+2.2925E-01
14	+1.9800E+02	+2.5926E+03	+2.6626E+03	-2.6973E+00	+3.9878E-01
15	+2.4400E+02	+2.0782E+03	+2.2590E+03	-8.6990E+00	+6.2065E-01
16	+3.0500E+02	+1.7240E+03	+1.8290E+03	-6.0919E+00	+9.0197E-01
17	+3.9600E+02	+1.3940E+03	+1.3963E+03	-1.6278E-01	+1.3794E+00
18	+4.8800E+02	+1.1940E+03	+1.0893E+03	+8.7660E+00	+1.8802E+00
19	+6.1000E+02	+8.8600E+02	+8.1458E+02	+8.0611E+00	+3.4147E+00
20	+7.6200E+02	+5.1100E+02	+5.6708E+02	-1.0974E+01	+1.0265E+01

CORRELATION MATRIX:

	1	2	3	4	5	6	7	8
1	+1.00	-.78	+.57	-.49	+.33	-.33	+.19	-.23
2	-.78	+1.00	-.87	+.77	-.55	+.53	-.33	+.37
3	+.57	-.87	+1.00	-.94	+.74	-.70	+.47	-.49
4	-.49	+.77	-.94	+1.00	-.89	+.83	-.61	+.62
5	+.33	-.55	+.74	-.89	+1.00	-.97	+.81	-.79
6	-.33	+.53	-.70	+.83	-.97	+1.00	-.91	+.89
7	+.19	-.33	+.47	-.61	+.81	-.91	+1.00	-.99
8	-.23	+.37	-.49	+.62	-.79	+.89	-.99	+1.00

REDUCED CHI-SQUARED=113.3

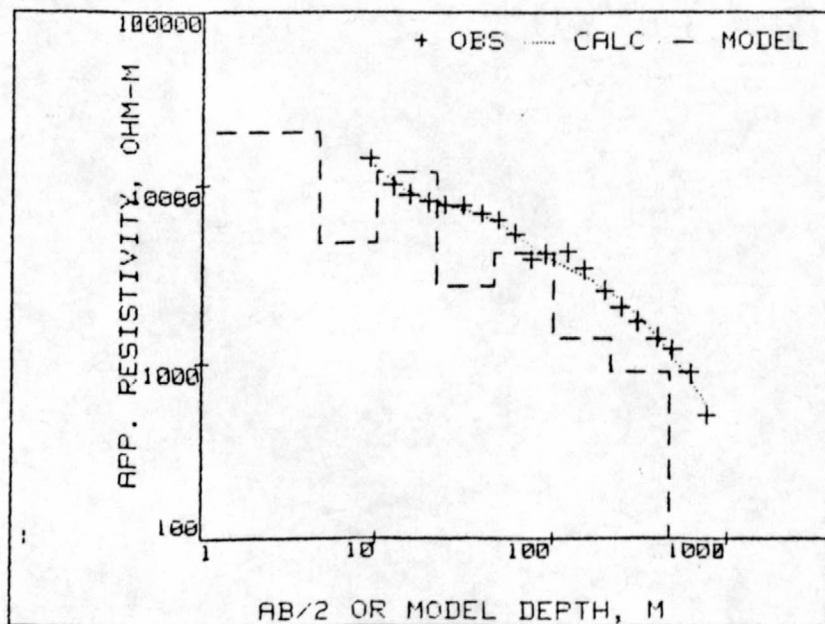
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DCLAG: ***** END *****
 COORDINATES: 155.1133 19.3915
 ELEVATION : 740 METER
 AZIMUTH : *N25W*

VES41

RESISTIVITY			THICKNESS			DEPTH	ELEV
20419.4	20657.1	20897.6	4.6	4.6	4.6	0.0	740.0
4631.2	4722.0	4814.7	5.4	5.4	5.4	4.6	735.4
11713.6	11983.8	12260.3	11.5	11.5	11.5	10.0	730.0
2619.6	2736.4	2858.5	24.9	24.9	24.9	21.5	718.5
4009.0	4156.1	4308.5	53.6	53.6	53.6	46.4	693.6
1275.7	1363.5	1457.2	115.4	115.4	115.4	100.0	640.0
835.2	891.3	951.1	248.7	248.7	248.7	215.4	524.6
.1	7.1	394.9				464.2	275.8

VES41



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