

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Audio-magnetotelluric data log and station-location map
for the Latir Peak Wilderness and Columbine-Hondo Roadless Area, New Mexico

by

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This report is preliminary and has not been
reviewed for conformity with U.S. Geological
Survey editorial standards.

STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal Lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This data log and map present the results of a geophysical survey of the Latir Peak and Columbine-Hondo Wilderness study areas in the Carson National Forest, Taos County, New Mexico. The Columbine-Hondo Wilderness study area was established by Public Law 96-550, December 19, 1980; it was earlier classified as a further planning area by the U.S. Forest Service Review (RARE II), 1979.

This report presents the results of an audio-magnetotelluric (AMT) survey of the Latir Peak Wilderness and Columbine-Hondo Roadless Area (fig. 1). As part of the Wilderness study, 92 AMT stations were established in 1980 and 1981 in the Carson National Forest in Taos County, New Mexico. The survey covers an area of 581 km², with a station spacing at approximately 3 km. These soundings were made to help define the regional geoelectric structure in order to determine the mineral potential. The resulting scalar resistivities, two orientations, for each station are presented in the data log (table 1).

For a description of the equipment and data acquisition and reduction, see Hoover and others (1976, 1978).

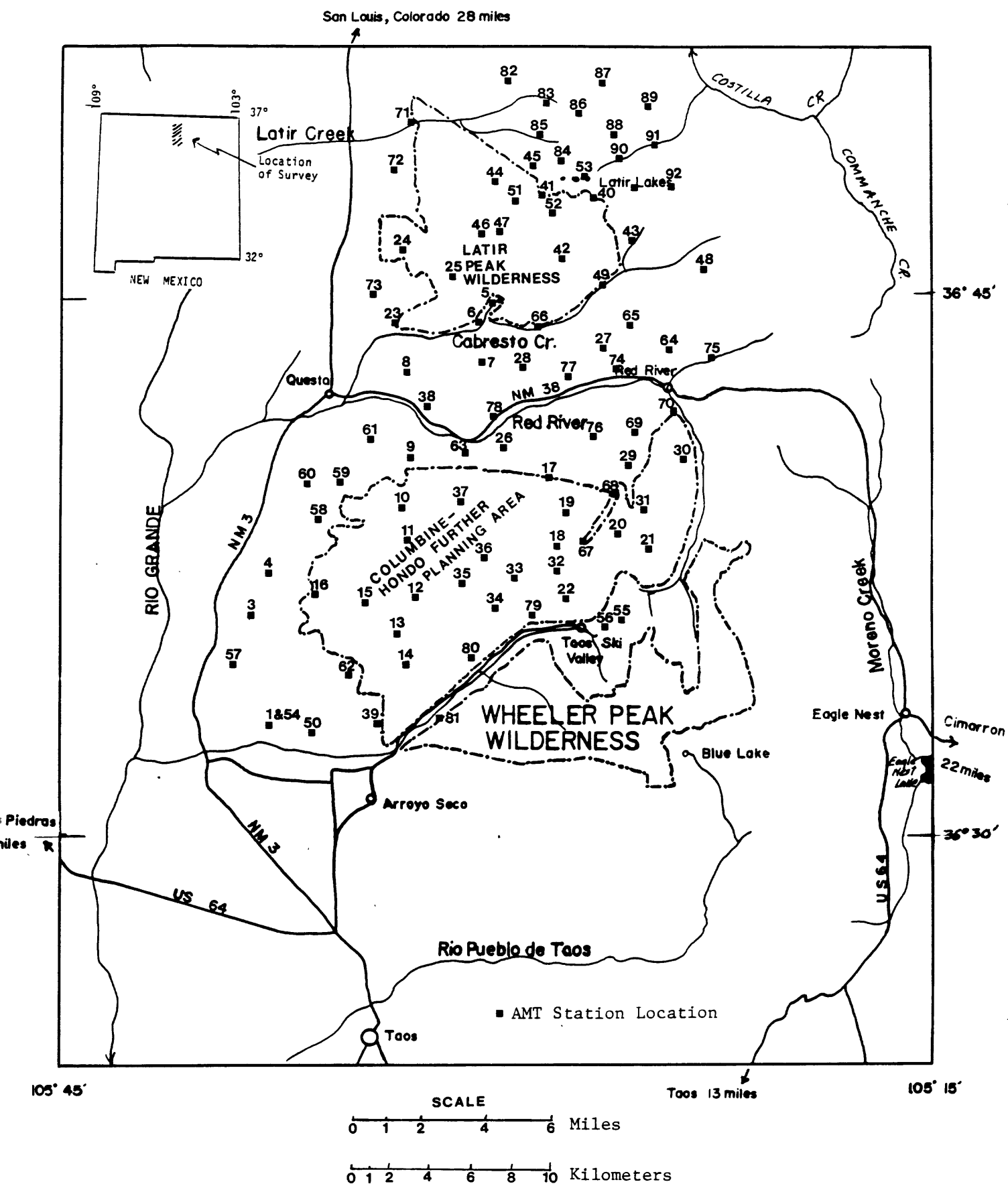


Figure 1.--Station Location Map for the Latir Peak Wilderness and Columbine-Hondo Roadless Area.

References

- Hoover, D. B., Frischknecht, F. C., and Tipples, C., 1976, Audio-magnetotelluric sounding as a reconnaissance exploration technique in Long Valley, Calif.: Journal of Geophysical Research, v. 81, p. 801-809.
- Hoover, D. B., Long, C. L., and Senterfit, R. M., 1978, Some results from audio-magnetotelluric investigations in geothermal areas: Geophysics, v. 43, no. 7, p. 1501-1514.

Explanation of Headings used in Table 1

STATION ID	Station Identification
NO FREQ	Number of Frequencies
FREQ	Frequency (hertz)
AP-RES	Apparent Resistivity (ohm-meters)
N OBS	Number of Observations
STD ERR	Standard Error (ohm-meters)
NS	Telluric line orientation (ρ_{xy})
EW	Telluric line orientation (ρ_{xy})

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - 1980, 1981

OUTPUT FROM PRINT

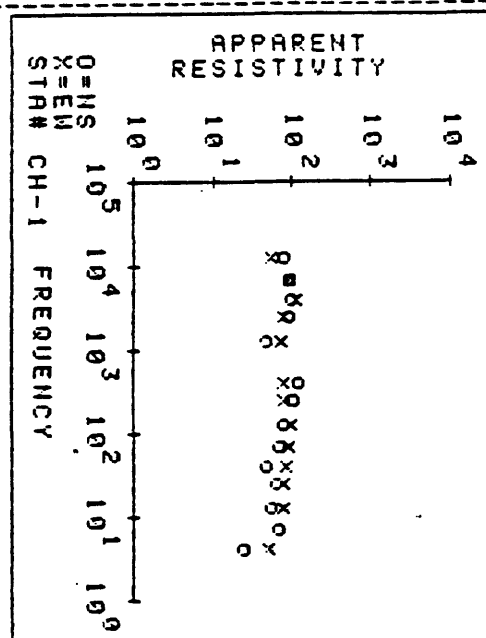
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STATION ID. CH-1NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	19.60	5	7.46
7.5	54.10	9	32.60
13.6	42.90	10	7.95
27.0	49.40	9	7.03
45.0	39.20	9	4.03
75.0	53.50	8	6.79
136.0	61.70	10	7.69
270.0	84.30	11	3.85
450.0	97.50	11	3.38
1360.0	38.60	10	3.50
2700.0	72.20	11	3.53
4500.0	78.70	10	4.80
7500.0	71.90	12	1.49
13600.0	63.00	13	1.53

STATION ID. CH-1EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	42.00	4	29.30
13.6	62.40	6	10.50
27.0	62.50	8	4.77
45.0	68.80	4	1.75
75.0	75.00	11	2.49
136.0	80.80	7	11.70
270.0	62.90	8	4.77
450.0	63.20	6	7.03
1360.0	57.90	7	4.57
2700.0	64.70	7	4.46
4500.0	93.50	6	4.68
7500.0	72.40	7	2.40
13600.0	43.40	7	1.14

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID. CH-3 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	43.10	6	7.53
7.5	44.50	5	4.38
13.6	37.50	6	4.94
27.0	53.20	8	17.70
136.0	75.90	6	1.34
270.0	84.00	6	1.88
1360.0	36.00	5	5.46
2700.0	11.30	7	7.79
4500.0	26.00	6	2.24
7500.0	28.10	6	4.26
13600.0	28.90	6	1.75

STATION ID. CH-3 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	21.30	7	2.39
7.5	33.10	7	2.02
13.6	32.00	7	6.63
27.0	48.20	6	6.93
136.0	71.00	8	3.25
270.0	95.00	6	1.37
1360.0	31.10	5	2.34
2700.0	30.70	9	2.53
4500.0	19.30	8	2.38
7500.0	27.50	6	3.14
13600.0	27.80	8	1.25

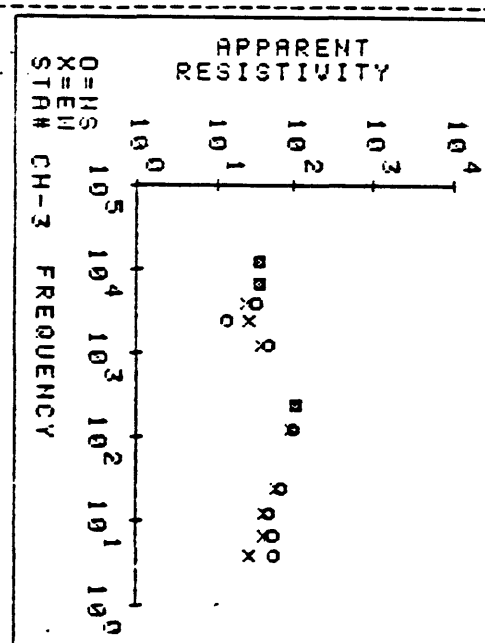
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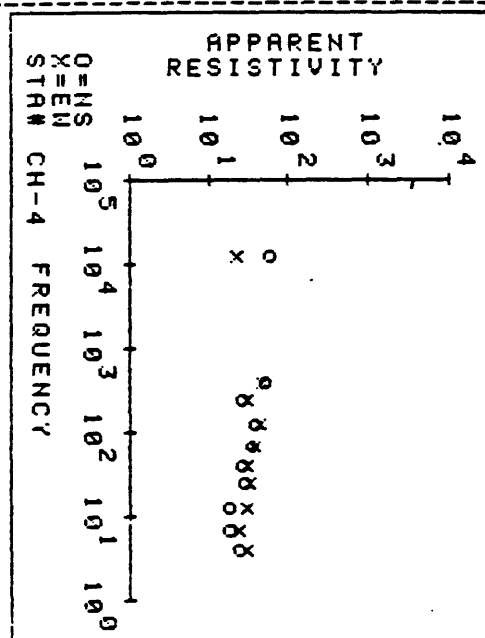
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STATION ID_CH-4 NS NO FREQ= 10

FREQ	AP-RES	N	OBS	STD ERR
4.5	20.20	8		10.70
7.5	14.80	8		.74
13.6	15.30	7		.51
27.0	22.90	7		2.90
45.0	21.20	7		.63
75.0	27.40	7		1.34
136.0	30.60	7		2.61
270.0	21.70	6		3.04
450.0	41.50	7		.93
13600.0	46.10	7		2.26

STATION ID_CH-4 EW NO FREQ= 10

FREQ	AP-RES	N	OBS	STD ERR
4.5	24.10	8		1.98
7.5	19.30	6		2.00
13.6	23.70	7		1.61
27.0	25.70	7		4.03
45.0	24.40	7		3.17
75.0	29.60	8		.99
136.0	35.10	8		1.68
270.0	24.30	7		1.56
450.0	38.90	7		.92
13600.0	18.20	6		.84

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-5 NS NO FREQ= 12

FREQ	AP-RES	N	OBS	STD ERR
4.5	546.00	5		6.32
7.5	849.00	6		44.40
13.6	819.00	6		140.00
27.0	717.00	6		67.30
45.0	600.00	7		25.20
75.0	666.00	5		24.30
136.0	596.00	7		28.20
270.0	403.00	7		17.70
450.0	511.00	7		34.70
750.0	694.00	6		70.40
7500.0	818.00	5		40.80
13600.0	585.00	5		15.80

STATION ID_CH-5 EW NO FREQ= 13

FREQ	AP-RES	N	OBS	STD ERR
4.5	2077.00	8		141.00
7.5	1200.00	7		93.90
13.6	730.00	8		28.50
27.0	528.00	5		56.30
45.0	326.00	6		10.90
75.0	284.00	5		23.10
136.0	282.00	5		10.70
270.0	247.00	6		1.70
450.0	263.00	6		11.90
750.0	315.00	6		4.78
4500.0	259.00	5		15.60
7500.0	296.00	5		11.00
13600.0	220.00	6		8.44

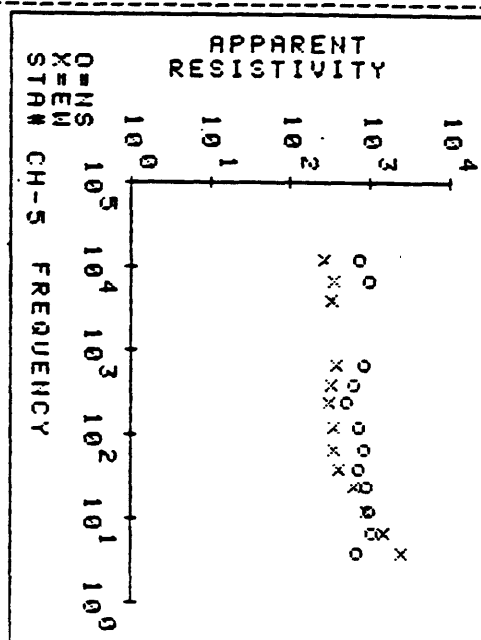
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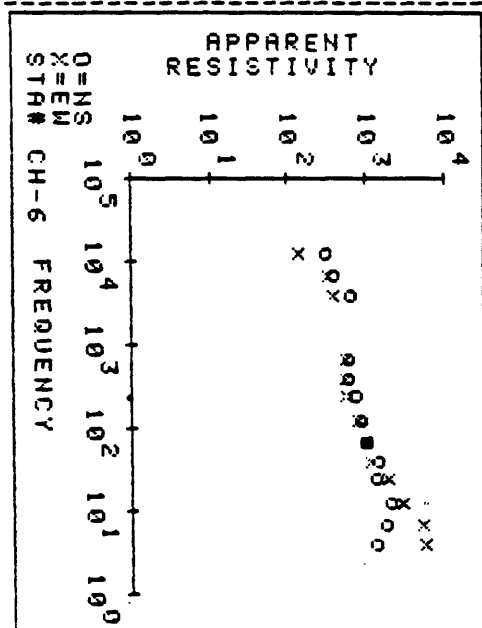
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STATION ID_CH-6 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	1056.00	6	202.00
7.5	1381.00	6	425.00
13.6	1680.00	6	213.00
27.0	1035.00	6	171.00
45.0	1129.00	5	110.00
75.0	764.00	6	54.30
136.0	699.00	6	77.30
270.0	571.00	5	34.30
450.0	471.00	7	30.30
750.0	473.00	5	34.40
4500.0	507.00	7	18.70
7500.0	317.00	7	19.60
13600.0	248.00	8	5.06

STATION ID_CH-6 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	4545.00	7	569.00
7.5	4115.00	6	250.00
13.6	2423.00	6	220.00
27.0	1489.00	7	57.60
45.0	941.00	6	39.00
75.0	767.00	6	20.50
136.0	636.00	6	29.00
270.0	438.00	6	37.20
450.0	439.00	7	14.90
750.0	457.00	6	16.80
4500.0	313.00	6	14.80
7500.0	268.00	6	6.59
13600.0	114.00	5	13.50

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-7 NS NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
4.5	5712.00	4	1648.00
7.5	4576.00	8	888.00
13.6	2032.00	3	442.00
27.0	3488.00	13	662.00
45.0	3648.00	6	597.00
75.0	1434.00	7	173.00
13600.0	332.00	7	32.50

STATION ID_CH-7 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	11856.00	4	4480.00
7.5	4448.00	5	3280.00
13.6	6048.00	3	1936.00
27.0	4640.00	5	1728.00
45.0	3856.00	7	592.00
75.0	1648.00	3	592.00
136.0	2272.00	6	264.00
270.0	1952.00	8	259.00
450.0	1536.00	9	181.00
1360.0	1694.00	5	75.80
4500.0	684.00	8	68.50
7500.0	927.00	6	41.70
13600.0	315.00	6	13.10

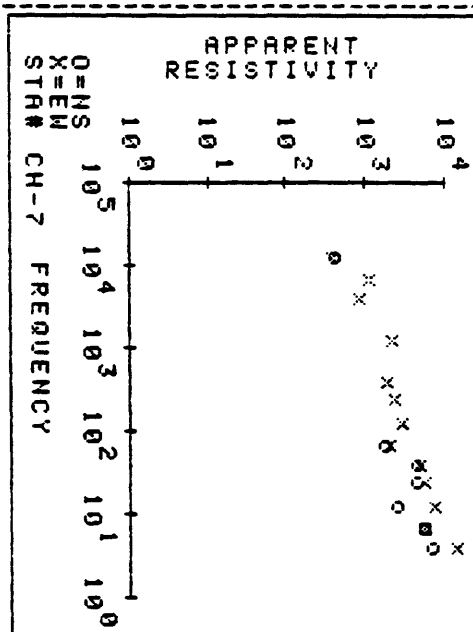
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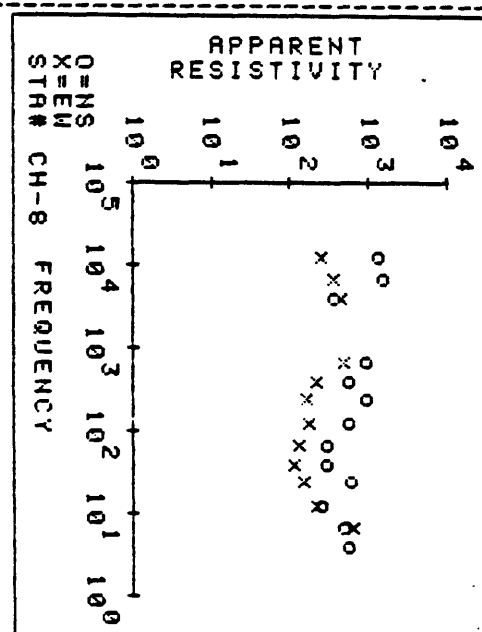
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STATION ID_CH-8 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	453.00	5	89.50
7.5	382.00	7	124.00
13.6	197.00	6	21.60
27.0	485.00	5	79.30
45.0	226.00	7	39.20
75.0	235.00	5	34.00
136.0	439.00	6	52.10
270.0	724.00	6	165.00
450.0	438.00	6	23.30
750.0	734.00	4	89.50
4500.0	281.00	5	21.30
7500.0	1193.00	5	107.00
13600.0	1035.00	6	25.50

STATION ID_CH-8 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	516.00	5	174.00
13.6	176.00	5	116.00
27.0	120.00	6	11.30
45.0	87.10	5	3.20
75.0	106.00	5	14.10
136.0	137.00	7	9.66
270.0	134.00	6	13.00
450.0	173.00	6	20.90
750.0	382.00	5	42.30
4500.0	345.00	6	30.40
7500.0	294.00	7	13.90
13600.0	196.00	6	5.75

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-9 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	826.00	5	188.00
7.5	1038.00	5	506.00
13.6	5240.00	6	1362.00
27.0	4010.00	6	1458.00
45.0	2596.00	5	519.00
75.0	1422.00	7	124.00
136.0	1934.00	7	160.00
270.0	1568.00	6	123.00
750.0	1907.00	6	126.00
2700.0	151.00	6	24.20
7500.0	1254.00	6	83.60
13600.0	1250.00	5	53.70

STATION ID_CH-9 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	11638.00	6	2856.00
7.5	5283.00	6	283.00
13.6	960.00	3	52.10
27.0	500.00	5	26.90
45.0	525.00	5	59.20
75.0	784.00	4	114.00
136.0	696.00	6	80.20
270.0	861.00	4	115.00
750.0	1558.00	5	137.00
7500.0	1303.00	5	112.00
11360.0	771.00	6	39.40

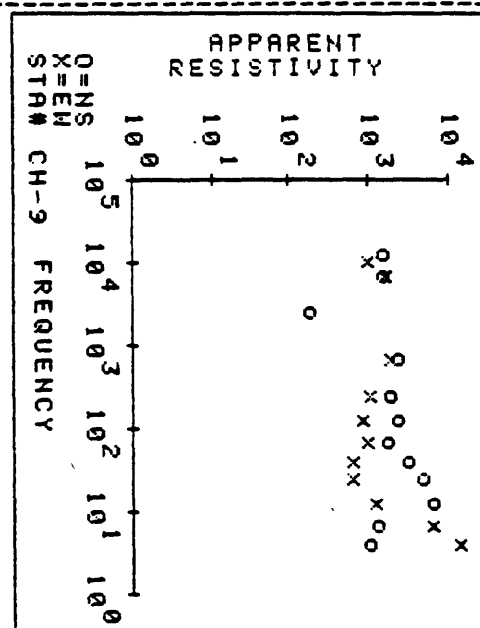
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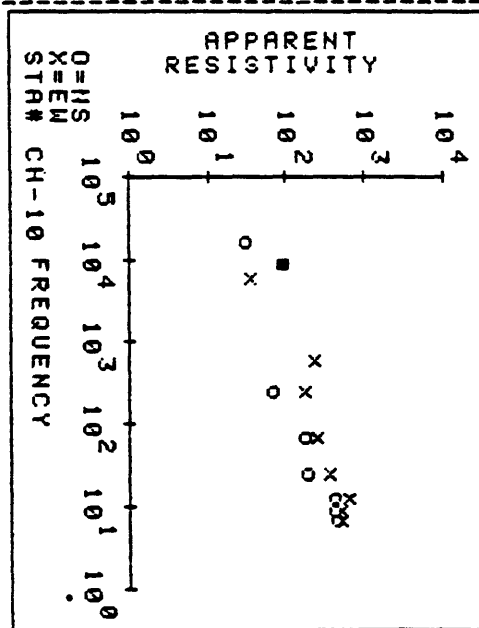
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STATION ID_CH-10 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	346.00	10	53.90
10.0	335.00	6	60.00
14.0	321.00	10	40.30
27.0	149.00	10	19.40
76.0	138.00	9	9.49
285.0	55.20	9	7.37
10200.0	72.00	1	0.00
18600.0	25.40	1	0.00

STATION ID_CH-10 EW NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
7.5	415.00	10	31.00
10.0	414.00	8	66.60
14.0	495.00	8	34.60
27.0	280.00	9	13.00
76.0	206.00	7	7.91
285.0	140.00	6	8.06
685.0	181.00	7	19.30
6700.0	27.70	8	2.36
10200.0	71.90	1	0.00

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-11 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	613.00	6	313.00
13.6	792.00	6	261.00
27.0	88.70	6	9.40
75.0	669.00	6	115.00
136.0	918.00	4	371.00
270.0	519.00	8	68.40
450.0	307.00	7	36.90
750.0	355.00	8	74.20
1360.0	50.10	7	4.27
2700.0	78.60	6	14.50
4500.0	216.00	6	13.30
7500.0	200.00	7	11.00
13600.0	263.00	5	13.40

STATION ID_CH-11 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	108.00	3	8.82
7.5	91.00	9	10.50
13.6	87.90	8	11.40
27.0	65.70	6	4.37
45.0	83.50	10	8.31
136.0	52.90	6	5.53
270.0	52.10	7	5.03
450.0	73.30	6	6.01
750.0	178.00	6	21.20
1360.0	74.60	5	9.26
2700.0	92.80	6	9.73
4500.0	48.80	5	10.30
7500.0	39.60	7	4.43
13600.0	141.00	4	11.80

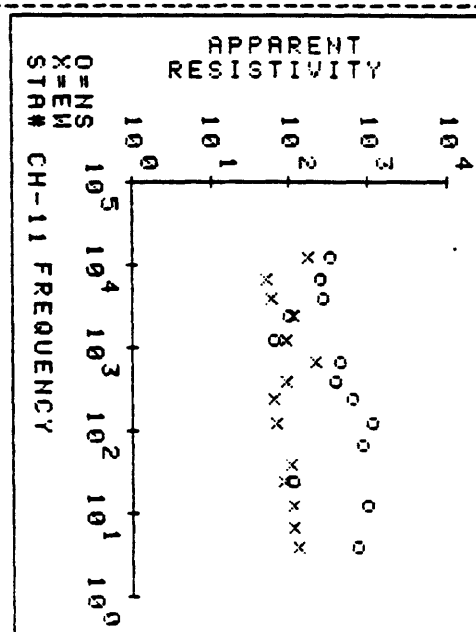
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Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

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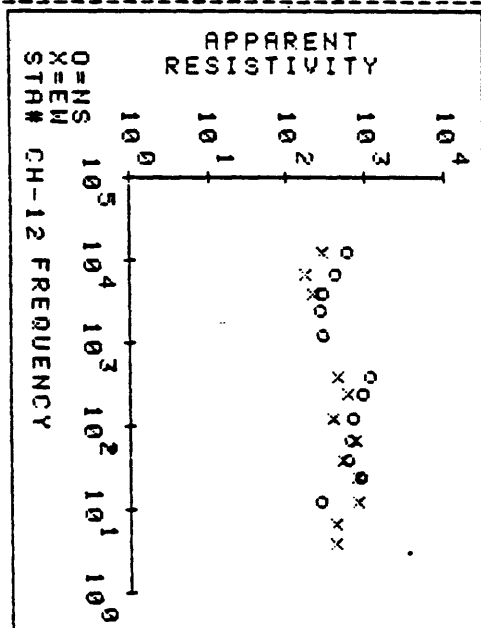
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FREQ	AP-RES	N	OBS	STD ERR
13.6	289.00	5	5	71.00
27.0	674.00	6	6	114.00
45.0	474.00	5	5	32.90
75.0	524.00	6	6	86.90
136.0	559.00	6	6	89.60
270.0	761.00	6	6	67.50
450.0	925.00	5	5	226.00
1360.0	227.00	6	6	28.40
2700.0	221.00	4	4	14.70
4500.0	230.00	6	6	44.10
7500.0	342.00	5	5	34.90
13600.0	483.00	4	4	72.80

STATION ID_CH-12 EW NO FREQ= 12

FREQ	AP-RES	N	OBS	STD ERR
4.5	326.00	5	5	35.70
7.5	324.00	6	6	52.40
13.6	628.00	6	6	78.10
27.0	646.00	6	6	69.90
45.0	404.00	7	7	87.70
75.0	573.00	7	7	138.00
136.0	318.00	6	6	23.40
270.0	487.00	6	6	132.00
450.0	356.00	5	5	18.80
1360.0	170.00	7	7	31.50
2700.0	135.00	8	8	14.50
4500.0	234.00	7	7	14.80

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-13 NS NO FREQ= 13

FREQ	AP-RES	N	OBS	STD ERR
4.5	1256.00	6	6	325.00
7.5	624.00	9	9	93.30
13.6	472.00	5	5	70.00
27.0	269.00	8	8	28.10
45.0	206.00	8	8	24.40
75.0	198.00	5	5	32.70
136.0	237.00	5	5	19.90
270.0	304.00	6	6	67.30
450.0	284.00	6	6	33.40
1360.0	140.00	5	5	21.80
4500.0	179.00	5	5	5.50
7500.0	219.00	5	5	12.80
13600.0	219.00	5	5	4.53

STATION ID_CH-13 EW NO FREQ= 12

FREQ	AP-RES	N	OBS	STD ERR
4.5	205.00	7	7	26.70
7.5	386.00	8	8	25.90
13.6	215.00	7	7	13.90
27.0	126.00	7	7	26.70
45.0	94.20	7	7	7.77
75.0	105.00	6	6	7.28
136.0	122.00	6	6	15.20
270.0	119.00	8	8	23.70
450.0	135.00	8	8	26.00
1360.0	82.50	6	6	10.30
4500.0	53.10	7	7	13.30
13600.0	66.70	7	7	2.79

OUTPUT FROM PLOT

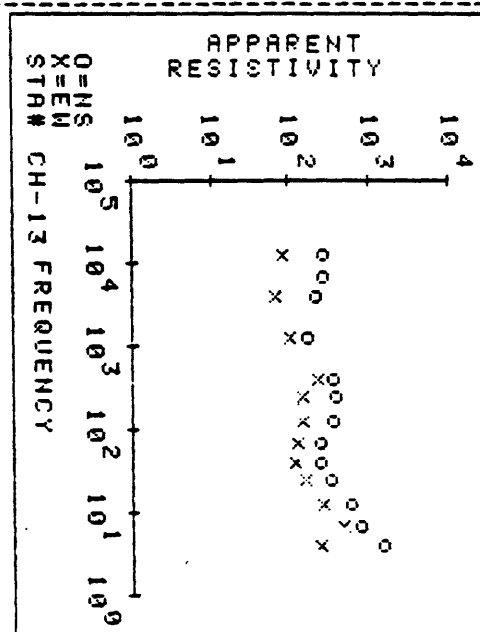


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

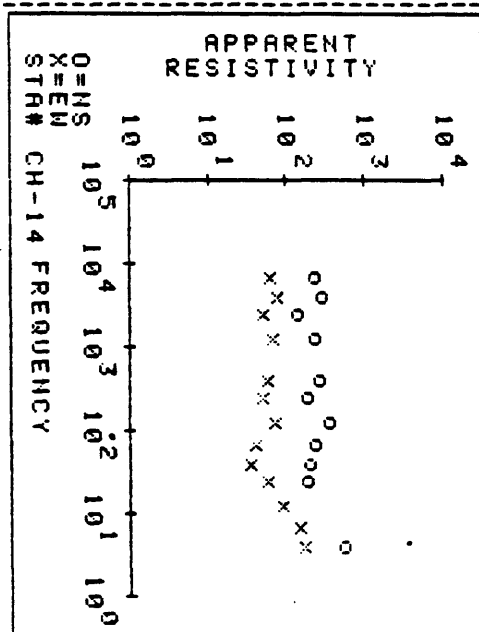
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STATION ID_CH-14 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	442.00	6	46.40
27.0	153.00	7	18.10
45.0	163.00	6	10.80
75.0	192.00	5	16.90
136.0	277.00	4	51.60
270.0	147.00	7	16.70
450.0	214.00	6	17.90
1360.0	188.00	8	27.50
2700.0	116.00	5	8.20
4500.0	226.00	7	8.75
7500.0	188.00	7	4.71

STATION ID_CH-14 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	143.00	8	10.40
7.5	120.00	7	6.35
13.6	72.70	11	8.89
27.0	48.30	8	5.51
45.0	27.60	7	3.38
75.0	32.60	6	4.11
136.0	57.90	4	13.50
270.0	39.60	5	3.47
450.0	45.80	8	3.82
1360.0	55.70	6	8.74
2700.0	39.70	7	2.60
4500.0	62.00	6	9.23
7500.0	50.50	5	4.86

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-15 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	223.00	5	778.00
7.5	122.00	6	9.79
13.6	213.00	7	28.90
27.0	118.00	5	13.20
45.0	138.00	7	10.50
75.0	149.00	7	7.91
136.0	188.00	6	7.95
270.0	203.00	6	28.10
450.0	161.00	5	28.10
1360.0	42.50	6	2.10
2700.0	83.80	7	3.36
4500.0	142.00	7	11.10
7500.0	243.00	6	18.60
13600.0	241.00	6	6.26

STATION ID_CH-15 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	2044.00	4	143.00
7.5	1017.00	6	80.00
13.6	1236.00	7	79.50
27.0	652.00	8	46.90
45.0	682.00	5	61.60
75.0	673.00	6	116.00
136.0	608.00	4	65.70
270.0	502.00	5	48.50
450.0	498.00	7	29.60
1360.0	436.00	6	50.80
2700.0	396.00	8	25.50
4500.0	640.00	8	16.50
7500.0	721.00	6	17.10
13600.0	333.00	5	18.50

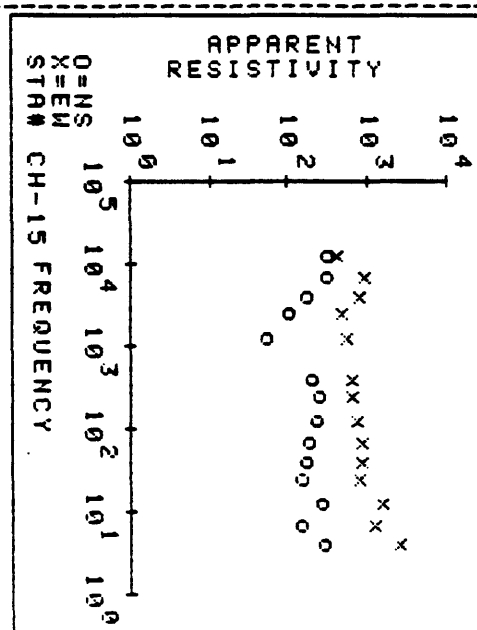
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

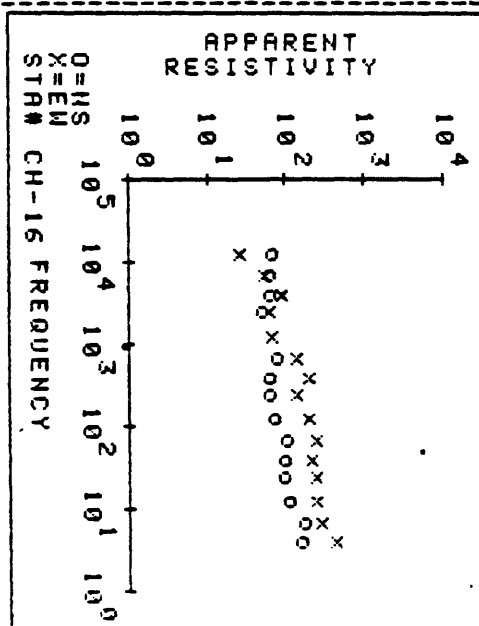
STATION ID_CH-16 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	133.00	8	4.86
7.5	137.00	8	11.30
13.6	88.80	6	6.81
27.0	79.70	7	3.39
45.0	80.30	6	11.20
75.0	82.90	6	4.11
136.0	59.60	6	5.08
270.0	50.90	7	1.94
450.0	49.30	7	1.88
750.0	52.80	7	5.66
2700.0	40.60	6	3.93
4500.0	52.40	6	1.64
7500.0	51.10	6	1.49
13600.0	52.50	6	1.91

STATION ID_CH-16 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	352.00	8	21.10
7.5	229.00	7	34.60
13.6	207.00	8	7.11
27.0	203.00	9	17.20
45.0	179.00	7	8.97
75.0	199.00	7	13.00
136.0	159.00	9	3.99
270.0	109.00	6	4.74
450.0	163.00	6	35.70
750.0	112.00	5	8.68
1360.0	56.20	5	5.11
2700.0	51.70	6	3.36
4500.0	72.10	6	2.77
7500.0	44.60	7	1.36
13600.0	20.80	5	.32

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-17 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	394.00	6	91.70
13.6	213.00	7	66.70
27.0	283.00	6	97.60
45.0	229.00	4	42.20
75.0	235.00	4	49.80
136.0	373.00	5	33.20
270.0	294.00	5	44.80
450.0	468.00	7	39.00
2700.0	149.00	4	34.30
4500.0	134.00	7	17.50
7500.0	189.00	5	8.92
13600.0	273.00	6	12.60

STATION ID_CH-17 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	279.00	5	76.60
13.6	174.00	5	12.80
27.0	359.00	4	34.90
45.0	549.00	5	68.40
75.0	603.00	4	86.40
136.0	255.00	5	17.60
270.0	723.00	4	131.00
450.0	224.00	5	21.50
2700.0	214.00	5	22.50
4500.0	110.00	6	11.20
7500.0	165.00	6	15.20
13600.0	275.00	3	11.30

OUTPUT FROM PLOT

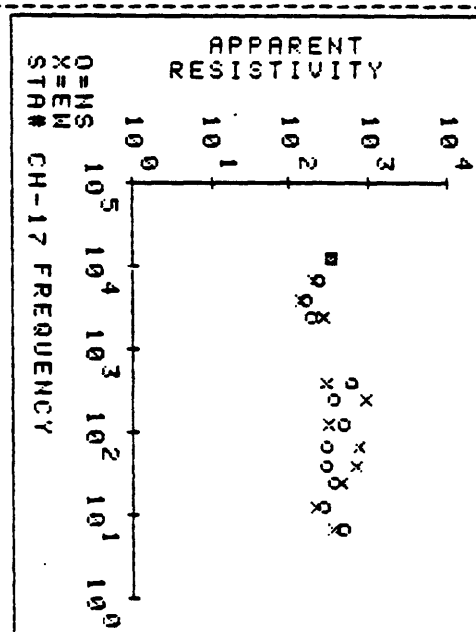


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

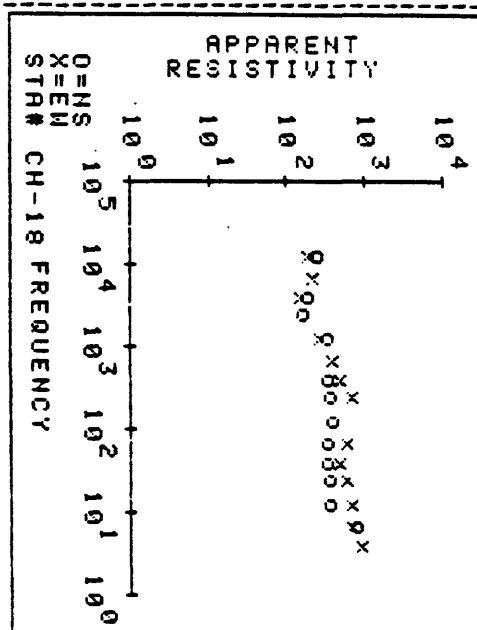
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-18 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	640.00	5	66.70
13.6	285.00	6	32.80
27.0	277.00	8	60.80
45.0	264.00	6	14.00
75.0	276.00	6	13.10
136.0	298.00	6	20.60
270.0	292.00	6	16.10
450.0	262.00	5	23.30
1360.0	273.00	5	49.40
2700.0	127.00	4	17.40
4500.0	152.00	3	8.44
13600.0	196.00	4	16.90

STATION ID_CH-18 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	722.00	5	91.20
7.5	551.00	5	229.00
13.6	556.00	8	12.40
27.0	460.00	8	15.60
45.0	383.00	7	26.90
75.0	462.00	9	29.90
270.0	547.00	8	67.40
450.0	381.00	7	37.40
750.0	312.00	8	23.60
1360.0	213.00	5	34.00
4500.0	124.00	7	23.70
7500.0	174.00	6	15.20
13600.0	146.00	6	8.97

PROJ= COLUMBINE HONDO
STA-IDCH-18FILE NAME=CH-18-----
OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-19 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
7.5	237.00	7	37.70
13.6	238.00	7	5.76
27.0	266.00	6	14.20
45.0	318.00	6	64.10
75.0	309.00	7	36.60
136.0	335.00	6	59.60
270.0	441.00	6	10.30
450.0	302.00	6	35.50
750.0	465.00	6	40.00
1360.0	135.00	6	29.80
2700.0	69.90	8	5.92
4500.0	121.00	8	19.00
7500.0	246.00	5	17.40
13600.0	591.00	5	30.60

STATION ID_CH-19 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
7.5	97.40	5	5.07
13.6	110.00	7	11.70
27.0	76.70	6	3.20
45.0	90.20	7	4.02
75.0	106.00	10	6.58
136.0	142.00	7	9.94
270.0	111.00	6	9.99
450.0	88.40	6	5.61
750.0	76.20	7	5.84
1360.0	22.00	5	2.43
2700.0	11.60	7	1.73
4500.0	5.59	8	.51
7500.0	10.10	8	.94
13600.0	28.50	8	2.02

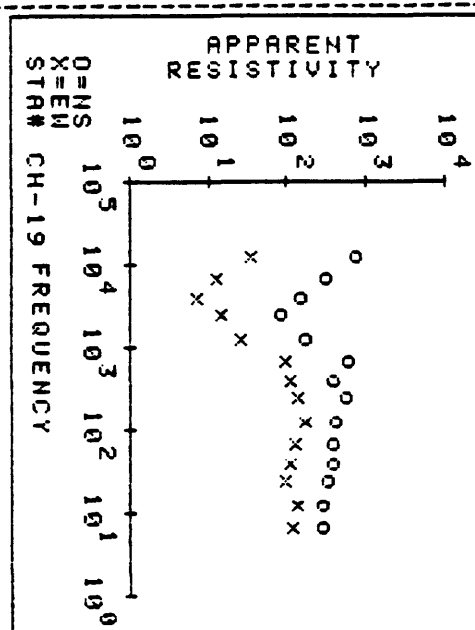
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

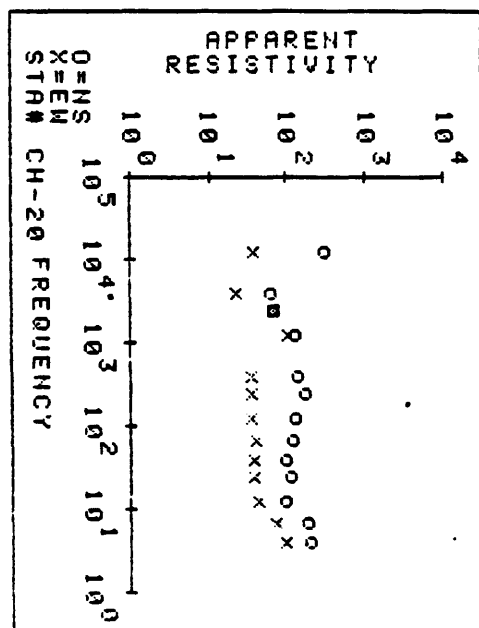
STATION ID_CH-20 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	164.00	5	11.30
7.5	152.00	4	7.60
13.6	75.80	6	4.93
27.0	91.90	6	6.76
45.0	76.70	7	5.03
75.0	96.50	8	5.03
136.0	105.00	6	14.30
270.0	139.00	8	5.12
450.0	116.00	5	5.38
1360.0	105.00	5	6.78
2700.0	52.70	7	3.47
4500.0	50.70	5	5.37
13600.0	241.00	6	7.59

STATION ID_CH-20 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	77.30	5	9.43
7.5	56.80	4	7.20
13.6	35.40	7	2.10
27.0	30.90	7	.96
45.0	31.10	6	1.59
75.0	33.10	7	2.97
136.0	27.50	7	2.51
270.0	28.00	7	1.54
450.0	28.00	6	.84
1360.0	83.90	5	22.70
2700.0	52.90	6	5.53
4500.0	18.70	6	1.75
13600.0	31.40	5	2.60

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-21 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	297.00	7	15.50
13.6	104.00	6	13.40
27.0	93.80	8	7.37
45.0	79.30	6	2.36
75.0	121.00	8	7.53
136.0	142.00	7	20.10
270.0	119.00	5	8.79
450.0	111.00	6	3.69
1360.0	59.30	7	4.69
4500.0	106.00	6	9.27
7500.0	159.00	5	18.20
13600.0	167.00	5	5.38

STATION ID_CH-21 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	410.00	7	47.70
7.5	343.00	8	24.50
13.6	241.00	7	13.40
27.0	200.00	10	15.20
45.0	189.00	9	23.30
75.0	223.00	8	24.00
136.0	213.00	6	19.60
270.0	188.00	7	10.70
450.0	158.00	4	5.36
1360.0	60.80	6	3.39
4500.0	113.00	8	12.50
7500.0	150.00	5	6.74
13600.0	80.60	5	6.12

OUTPUT FROM PLOT

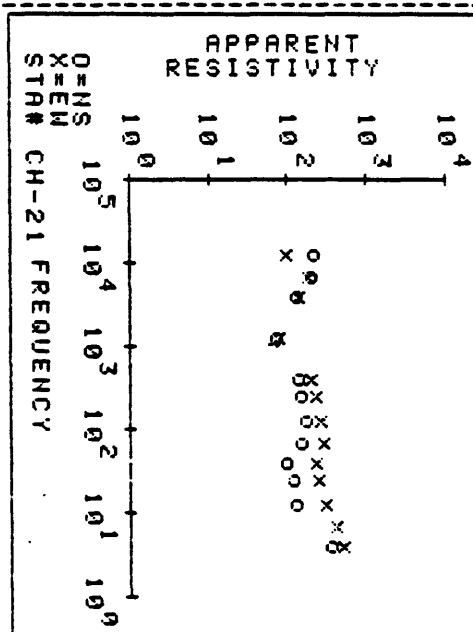


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

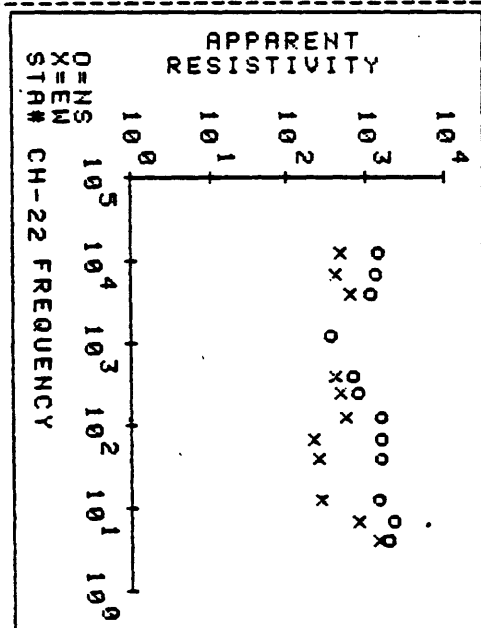
STATION ID_CH-22 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	1554.00	8	625.00
7.5	1690.00	6	969.00
13.6	1104.00	3	373.00
45.0	1193.00	5	134.00
75.0	1237.00	5	581.00
136.0	1207.00	7	292.00
270.0	650.00	6	47.30
450.0	550.00	6	105.00
1360.0	294.00	7	32.00
4500.0	901.00	7	59.50
7500.0	1093.00	9	52.20
13600.0	1108.00	7	36.80

STATION ID_CH-22 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	1110.00	4	116.00
7.5	657.00	3	319.00
13.6	213.00	7	55.60
45.0	194.00	7	27.70
75.0	179.00	5	56.40
136.0	443.00	6	86.00
270.0	382.00	5	27.00
450.0	327.00	5	29.20
4500.0	526.00	3	74.90
7500.0	340.00	7	13.30
13600.0	377.00	6	4.16

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-23 NS NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
4.5	67.20	3	26.20
7.5	90.10	6	20.00
45.0	37.90	6	7.72
75.0	25.80	5	2.75
136.0	25.80	5	4.42
270.0	48.20	5	14.10
1360.0	30.00	4	4.52
7500.0	26.30	6	9.08
13600.0	56.00	6	4.93

STATION ID_CH-23 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	8.08	6	1.08
7.5	11.60	7	.73
13.6	10.10	7	.57
27.0	12.90	6	.37
45.0	24.10	5	2.02
75.0	32.50	5	1.08
136.0	31.00	5	5.80
270.0	69.80	6	4.92
450.0	93.40	4	5.16
1360.0	33.00	7	3.09
7500.0	26.20	6	3.43
13600.0	5.03	6	.69

OUTPUT FROM PLOT

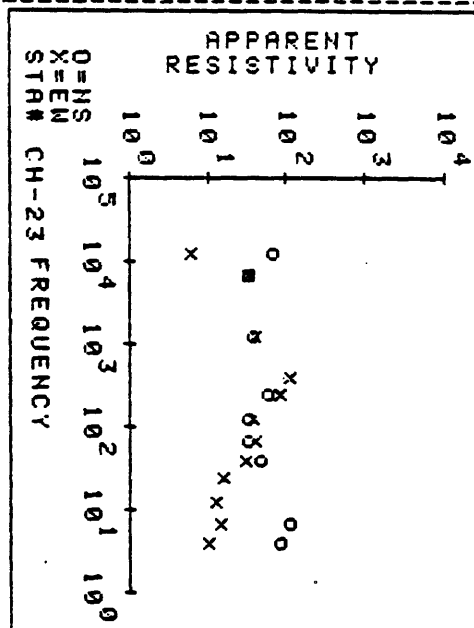


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

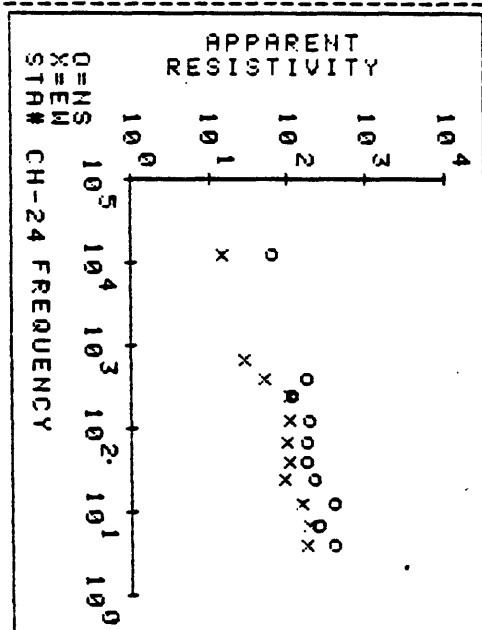
STATION ID_CH-24 NS NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
4.5	309.00	7	67.30
7.5	200.00	7	21.80
13.6	319.00	8	68.70
27.0	167.00	7	8.98
45.0	135.00	8	4.80
75.0	139.00	6	5.80
136.0	150.00	7	13.30
270.0	87.30	6	12.40
450.0	143.00	5	4.12
13600.0	50.90	5	5.79

STATION ID_CH-24 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	139.00	5	5.50
7.5	147.00	6	16.90
13.6	119.00	7	17.80
27.0	74.30	7	8.18
45.0	85.60	6	2.14
75.0	79.00	6	8.52
136.0	84.70	6	5.53
270.0	83.70	7	6.53
450.0	39.70	6	4.66
750.0	22.80	4	2.45
13600.0	12.20	4	1.25

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-25 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
7.5	38.90	6	7.77
13.6	34.60	5	5.64
27.0	50.10	5	5.03
45.0	68.80	4	6.40
75.0	31.10	6	4.64
136.0	36.80	6	11.70
270.0	154.00	4	11.10
450.0	206.00	5	32.10
750.0	360.00	5	33.10
7500.0	218.00	5	18.50
13600.0	234.00	6	9.84

STATION ID_CH-25 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	39.10	7	9.36
7.5	42.50	5	9.71
13.6	35.60	8	1.92
27.0	58.70	6	2.49
45.0	70.60	6	2.60
75.0	113.00	8	3.18
136.0	129.00	7	6.74
270.0	204.00	7	13.90
450.0	294.00	6	11.10
750.0	308.00	7	17.50
7500.0	56.20	7	3.49
13600.0	156.00	6	6.76

OUTPUT FROM PLOT

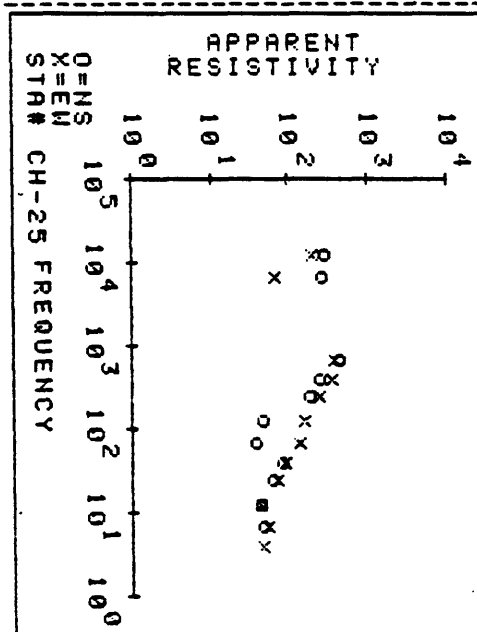


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

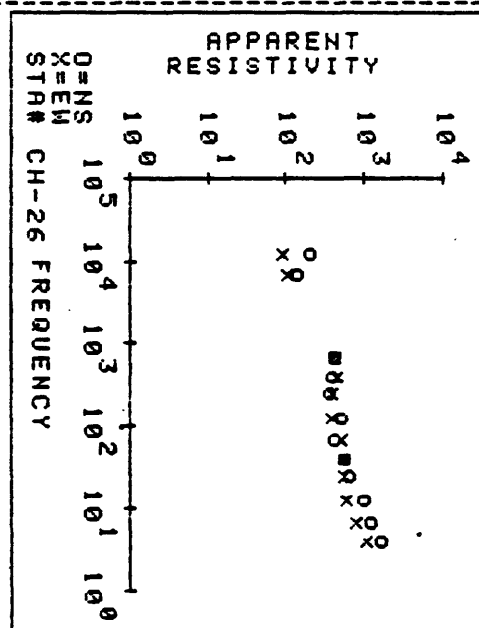
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-26 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	1313.00	7	185.00
7.5	979.00	9	129.00
13.6	787.00	6	81.30
27.0	510.00	6	27.70
45.0	439.00	7	24.70
75.0	342.00	7	27.90
136.0	407.00	6	9.58
270.0	287.00	8	22.90
450.0	299.00	9	10.60
750.0	331.00	7	27.50
7500.0	112.00	7	5.91
13600.0	163.00	7	2.49

STATION ID_CH-26 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	824.00	7	61.90
7.5	633.00	6	42.50
13.6	480.00	8	29.20
27.0	435.00	8	25.60
45.0	435.00	8	27.00
75.0	409.00	6	24.60
136.0	302.00	7	29.70
270.0	301.00	8	14.70
450.0	367.00	6	23.40
750.0	339.00	6	12.10
7500.0	82.90	7	7.08
13600.0	70.70	6	2.89

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-27 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
7.5	166.00	6	21.70
13.6	168.00	8	20.20
27.0	79.50	6	10.20
45.0	81.60	8	8.78
75.0	83.90	6	6.63
136.0	93.50	6	9.85
270.0	74.70	7	7.45
450.0	120.00	6	9.32
1360.0	94.30	7	10.50
2700.0	162.00	7	17.00
4500.0	240.00	6	17.40
7500.0	286.00	5	24.60
13600.0	394.00	7	20.50

STATION ID_CH-27 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
7.5	112.00	4	12.40
13.6	174.00	5	37.40
27.0	89.50	5	2.23
45.0	125.00	6	11.50
75.0	59.80	6	8.58
136.0	87.50	4	13.00
270.0	104.00	6	9.93
450.0	170.00	6	16.20
1360.0	74.20	6	7.52
2700.0	129.00	6	7.23
4500.0	245.00	6	13.90
7500.0	286.00	5	18.60
13600.0	273.00	6	6.31

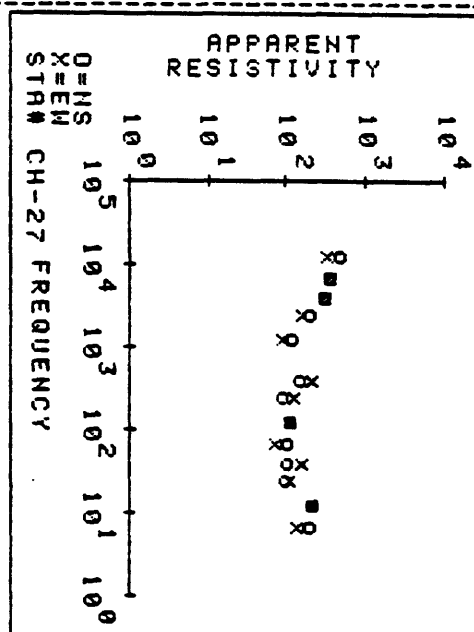
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

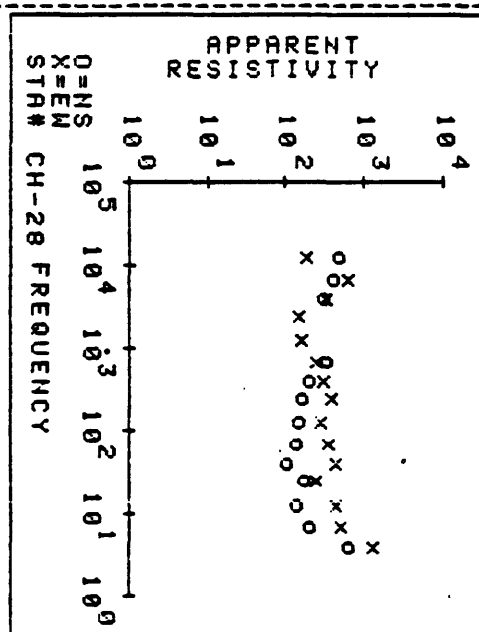
STATION ID_CH-28 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	503.00	6	98.20
7.5	165.00	8	26.30
13.6	110.00	6	6.11
27.0	138.00	4	32.10
45.0	82.90	6	10.20
75.0	112.00	7	18.60
136.0	121.00	6	6.73
270.0	128.00	6	12.20
450.0	165.00	7	12.70
750.0	264.00	5	22.20
4500.0	245.00	6	15.50
7500.0	332.00	8	12.60
13600.0	373.00	4	30.70

STATION ID_CH-28 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1046.00	3	426.00
7.5	398.00	6	642.00
13.6	356.00	5	49.70
27.0	194.00	5	15.70
45.0	366.00	6	83.40
75.0	284.00	5	17.90
136.0	230.00	5	40.60
270.0	300.00	5	53.10
450.0	245.00	5	27.00
750.0	196.00	5	28.40
1360.0	125.00	5	25.50
2700.0	119.00	6	11.10
4500.0	260.00	6	16.90
7500.0	526.00	5	20.50
13600.0	153.00	6	5.40

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-29 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	155.00	7	14.20
7.5	162.00	7	15.00
13.6	178.00	5	27.00
27.0	104.00	7	8.12
45.0	94.50	6	12.00
75.0	129.00	7	6.02
136.0	123.00	7	5.03
270.0	80.20	6	7.99
450.0	76.10	6	8.70
750.0	60.80	5	4.26
13600.0	52.40	5	6.07

STATION ID_CH-29 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	390.00	8	30.50
7.5	348.00	8	16.30
13.6	230.00	6	3.19
27.0	320.00	6	11.50
45.0	153.00	5	10.80
75.0	196.00	6	5.21
136.0	196.00	8	2.90
270.0	157.00	7	20.30
450.0	189.00	7	23.10
750.0	123.00	7	16.10
13600.0	19.90	6	1.74

OUTPUT FROM PLOT

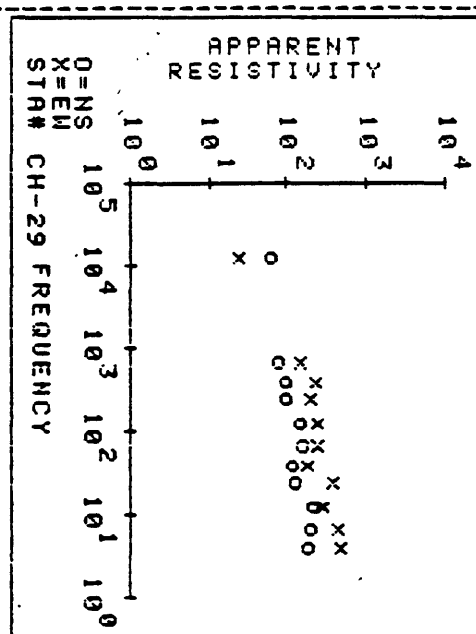


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

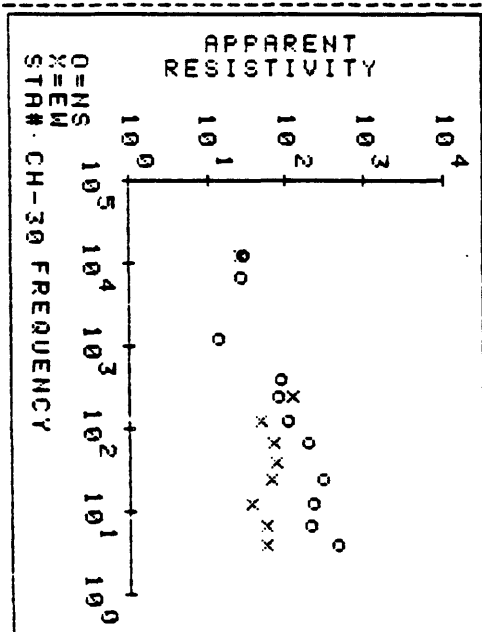
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-30 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	368.00	5	23.00
7.5	160.00	8	28.70
13.6	168.00	7	13.90
27.0	228.00	8	29.30
75.0	152.00	8	15.30
136.0	84.20	7	4.18
270.0	62.20	6	3.94
450.0	67.00	6	1.53
1360.0	11.30	6	.70
7500.0	21.10	7	2.05
13600.0	23.60	5	5.14

STATION ID_CH-30 EW NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
4.5	42.80	8	4.73
7.5	43.50	6	3.69
13.6	27.50	6	2.07
27.0	52.00	5	11.80
45.0	58.20	6	6.51
75.0	55.20	6	3.94
136.0	38.80	5	2.02
270.0	97.30	7	9.26
13600.0	20.50	6	.68

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-31 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	263.00	6	44.30
7.5	130.00	5	10.90
13.6	99.40	7	15.90
27.0	77.00	7	8.74
45.0	67.00	8	2.70
75.0	80.30	7	6.57
136.0	57.40	5	1.62
270.0	38.00	6	8.75
450.0	13.60	4	.73
7500.0	15.20	5	2.67
7500.0	38.40	5	4.02
13600.0	86.40	4	2.16

STATION ID_CH-31 EW NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
4.5	331.00	7	34.00
27.0	358.00	5	1.35
45.0	185.00	11	16.40
75.0	242.00	10	16.70
136.0	194.00	8	13.10
270.0	127.00	5	3.47
1360.0	21.40	6	.51
4500.0	22.10	7	.75
7500.0	41.10	7	2.87
13600.0	29.40	5	2.53

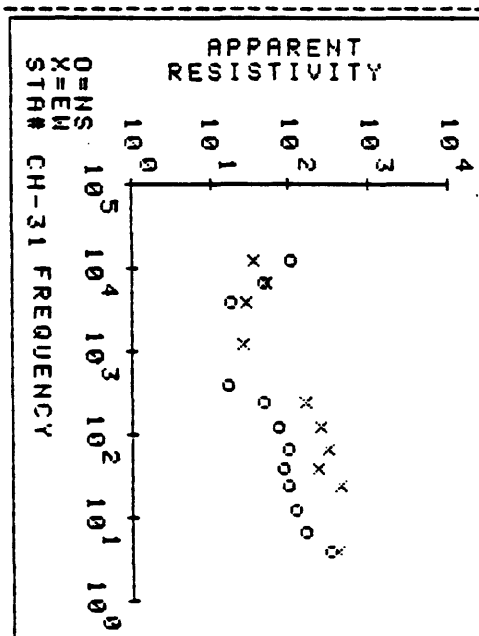
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

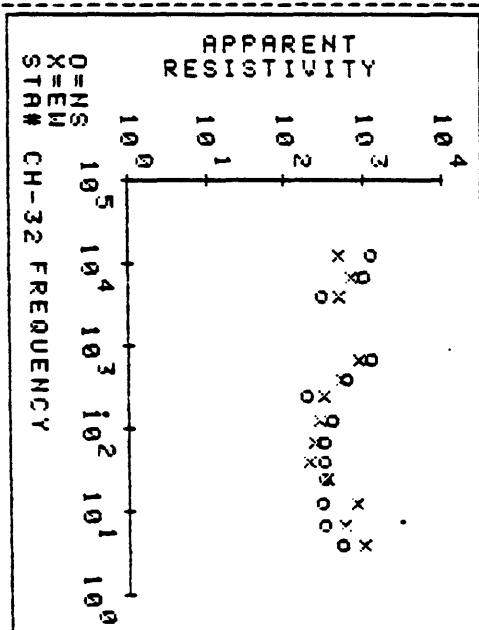
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-32 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	406.00	7	79.60
7.5	249.00	3	18.00
13.6	226.00	7	20.00
27.0	242.00	7	14.90
45.0	249.00	9	40.60
75.0	247.00	5	30.50
136.0	302.00	5	36.60
270.0	151.00	6	19.50
450.0	463.00	6	36.50
750.0	954.00	7	93.50
4500.0	226.00	6	18.20
7500.0	790.00	7	34.90
13600.0	353.00	8	11.80

STATION ID_CH-32 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	816.00	6	223.00
7.5	442.00	7	119.00
13.6	640.00	4	49.00
27.0	267.00	7	27.30
45.0	162.00	5	9.09
75.0	184.00	5	11.10
136.0	217.00	6	33.40
270.0	257.00	5	22.80
450.0	403.00	5	49.90
750.0	703.00	7	48.50
4500.0	389.00	7	74.40
7500.0	539.00	7	23.80
13600.0	371.00	6	14.30

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-33 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	628.00	6	185.00
7.5	263.00	6	33.40
13.6	343.00	4	131.00
27.0	199.00	7	9.90
45.0	264.00	8	48.40
75.0	316.00	7	47.50
136.0	282.00	6	24.90
270.0	221.00	6	10.50
450.0	277.00	6	20.80
750.0	347.00	6	17.70
4500.0	351.00	7	38.70
7500.0	467.00	7	24.80
13600.0	506.00	6	17.60

STATION ID_CH-33 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	390.00	4	220.00
7.5	660.00	6	45.60
13.6	283.00	7	43.80
27.0	336.00	7	32.60
45.0	311.00	8	14.90
75.0	424.00	8	30.30
136.0	314.00	7	17.00
270.0	410.00	8	25.00
450.0	404.00	6	25.20
750.0	343.00	8	15.80
4500.0	529.00	8	36.70
7500.0	619.00	7	24.30
13600.0	236.00	7	11.60

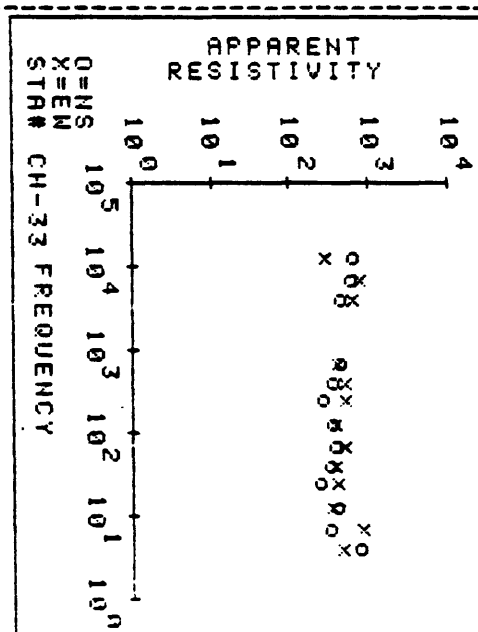
OUTPUT FROM PLOT-----
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

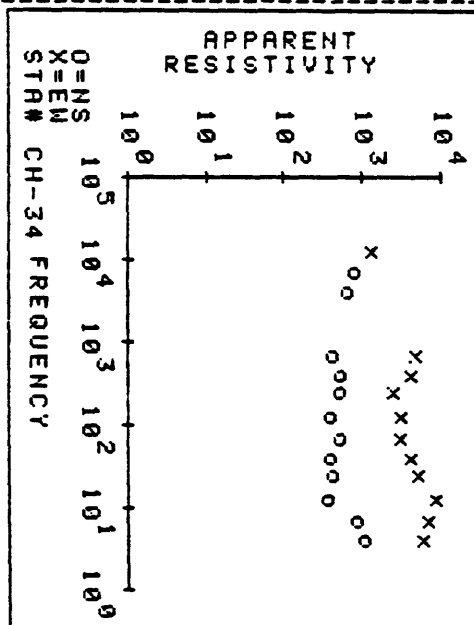
STATION ID_CH-34 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	829.00	8	123.00
7.5	660.00	7	45.60
13.6	283.00	8	43.80
27.0	336.00	7	32.60
45.0	311.00	5	14.90
75.0	424.00	5	30.30
136.0	314.00	6	17.00
270.0	410.00	6	25.00
450.0	404.00	6	25.20
750.0	343.00	5	15.80
4500.0	529.00	5	36.70
7500.0	619.00	4	24.30

STATION ID_CH-34 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	4862.00	7	497.00
7.5	5720.00	12	435.00
13.6	6736.00	8	291.00
27.0	4115.00	8	599.00
45.0	3425.00	5	476.00
75.0	2503.00	7	302.00
136.0	2474.00	5	316.00
270.0	2042.00	6	179.00
450.0	3387.00	7	489.00
750.0	3767.00	7	188.00
13600.0	1079.00	1	0.00

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-35 NS NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	7021.00	8	1310.00
7.5	9730.00	7	1380.00
13.6	7050.00	5	1734.00
27.0	4293.00	8	360.00
45.0	2602.00	6	113.00
75.0	1010.00	6	163.00
136.0	2336.00	7	605.00
270.0	1098.00	6	183.00
450.0	1247.00	8	148.00
750.0	1007.00	6	187.00
1360.0	293.00	5	78.70
2700.0	208.00	4	39.90
4500.0	138.00	8	55.30
7500.0	89.60	7	9.91
13600.0	95.70	7	2.74

STATION ID_CH-35 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	2773.00	9	282.00
7.5	1777.00	7	136.00
13.6	1773.00	9	136.00
27.0	1445.00	7	72.80
45.0	1164.00	7	49.60
75.0	1267.00	7	94.00
136.0	936.00	5	171.00
270.0	410.00	5	67.20
450.0	559.00	6	71.30
750.0	212.00	6	28.30
1360.0	183.00	6	24.00
2700.0	53.60	6	12.80
4500.0	29.80	6	4.66
7500.0	119.00	7	15.20
13600.0	48.50	1	0.00

OUTPUT FROM PLOT

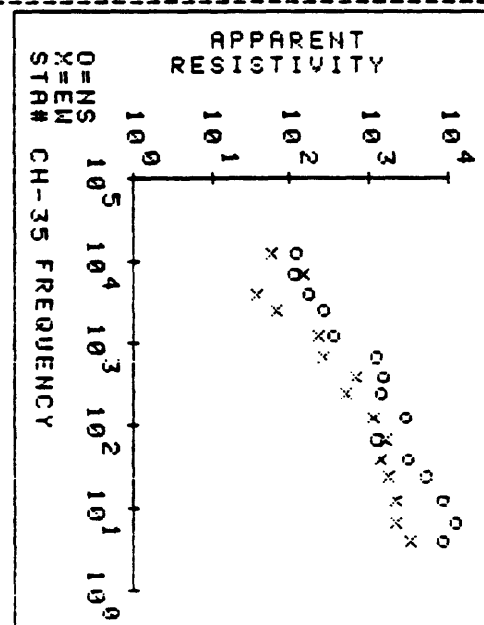


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

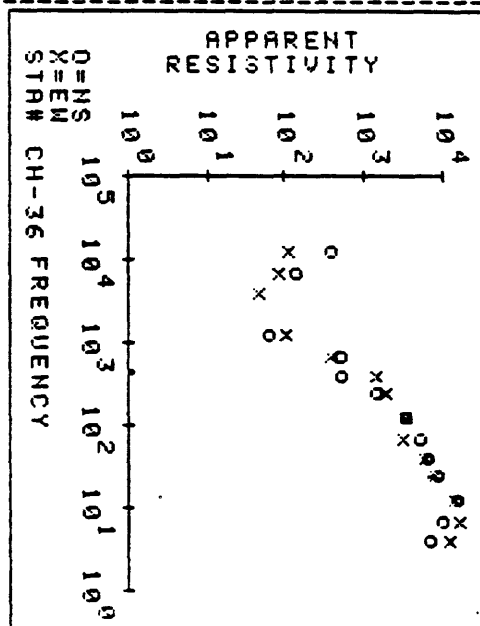
STATION ID_CH-36 NS NO FREQ= 13

FREQ	AP-RES	N	OBS	STD ERR
4.5	5700.00	7		1074.00
7.5	8244.00	6		673.00
13.6	12280.00	6		1421.00
27.0	7145.00	6		705.00
45.0	5258.00	6		461.00
75.0	4152.00	6		692.00
136.0	2611.00	5		474.00
270.0	1109.00	6		186.00
450.0	424.00	4		55.50
750.0	398.00	5		67.80
1360.0	49.40	5		10.20
7500.0	112.00	4		31.20
13600.0	306.00	5		22.80

STATION ID_CH-36 EW NO FREQ= 14

FREQ	AP-RES	N	OBS	STD ERR
4.5	10175.00	7		1341.00
7.5	13096.00	7		885.00
13.6	11176.00	6		937.00
27.0	6650.00	8		239.00
45.0	4790.00	5		442.00
75.0	2571.00	6		282.00
136.0	2744.00	6		211.00
270.0	1536.00	6		189.00
450.0	1103.00	7		107.00
750.0	314.00	4		72.10
1360.0	83.00	5		16.80
4500.0	37.10	6		10.30
7500.0	68.30	1		0.00
13600.0	92.20	7		7.98

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-37 NS NO FREQ= 10

FREQ	AP-RES	N	OBS	STD ERR
4.5	848.00	5		87.30
7.5	1172.00	8		66.60
13.6	1166.00	6		91.40
27.0	904.00	7		58.70
45.0	646.00	7		30.20
75.0	612.00	4		25.40
136.0	642.00	7		33.80
270.0	426.00	7		33.40
750.0	217.00	6		32.20
13600.0	141.00	4		13.50

STATION ID_CH-37 EW NO FREQ= 12

FREQ	AP-RES	N	OBS	STD ERR
4.5	12516.00	9		1262.00
7.5	10284.00	8		507.00
27.0	4646.00	9		134.00
45.0	3458.00	6		125.00
75.0	3059.00	6		252.00
136.0	2524.00	8		70.60
270.0	1450.00	6		68.70
450.0	1056.00	5		117.00
750.0	574.00	6		42.00
4500.0	129.00	8		12.70
7500.0	177.00	6		14.60
13600.0	270.00	1		0.00

OUTPUT FROM PLOT

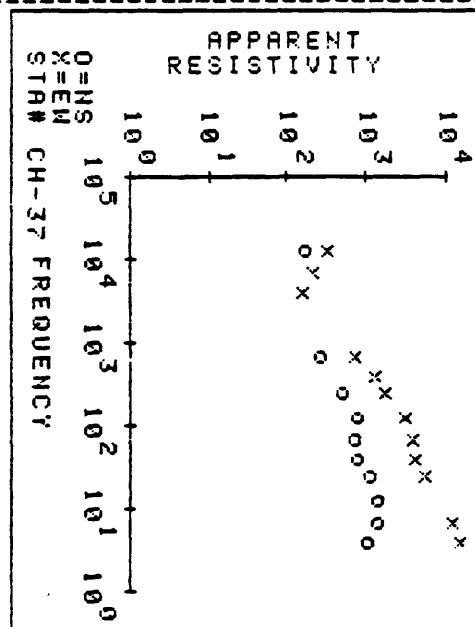


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

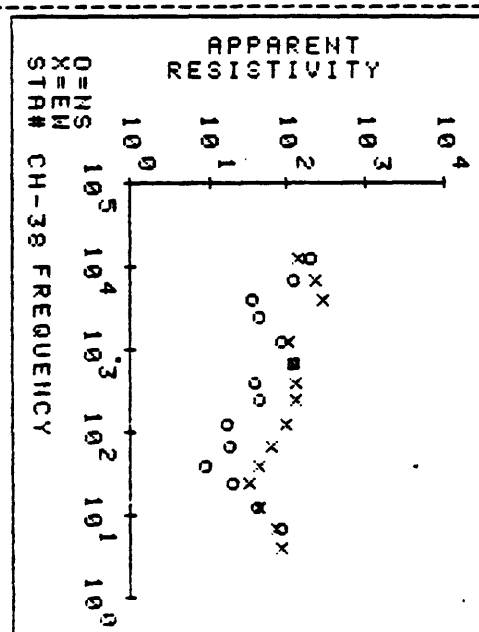
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-38 NS NO FREQ= 14

FREQ	AP-RES	N	OBS	STD ERR
7.5	69.50	5		19.30
13.6	33.70	7		7.32
27.0	15.70	6		2.10
45.0	7.36	7		.45
75.0	15.00	6		1.85
136.0	14.10	6		2.77
270.0	36.20	5		2.78
450.0	30.60	6		3.74
750.0	96.40	5		13.90
1360.0	65.30	4		10.50
2700.0	36.10	5		4.58
4500.0	29.20	5		2.43
7500.0	96.00	4		19.10
13600.0	158.00	4		18.80

STATION ID_CH-38 EW NO FREQ= 14

FREQ	AP-RES	N	OBS	STD ERR
4.5	68.90	7		8.57
7.5	56.70	10		3.13
13.6	35.80	10		2.61
27.0	26.20	6		2.18
45.0	34.30	9		.63
75.0	49.30	8		1.49
136.0	80.10	7		3.76
270.0	103.00	7		4.29
450.0	107.00	6		4.99
750.0	99.00	7		8.52
1360.0	84.30	5		6.69
4500.0	229.00	4		38.00
7500.0	183.00	8		7.28
13600.0	111.00	7		7.28

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-39 NS NO FREQ= 15

FREQ	AP-RES	N	OBS	STD ERR
4.5	1045.00	8		163.00
7.5	1172.00	8		82.40
13.6	886.00	9		104.00
27.0	596.00	9		24.10
45.0	466.00	7		33.70
75.0	385.00	8		24.10
136.0	429.00	5		28.40
270.0	323.00	7		22.00
450.0	552.00	7		57.30
750.0	361.00	7		39.20
1360.0	165.00	6		9.41
2700.0	159.00	7		20.60
4500.0	206.00	7		17.50
7500.0	273.00	4		30.90
13600.0	358.00	5		31.60

STATION ID_CH-39 EW NO FREQ= 14

FREQ	AP-RES	N	OBS	STD ERR
4.5	3586.00	5		320.00
7.5	2528.00	6		145.00
13.6	2104.00	7		264.00
27.0	1434.00	8		97.70
45.0	2064.00	6		261.00
75.0	1443.00	6		77.90
136.0	1211.00	7		88.00
270.0	1024.00	9		28.30
450.0	1445.00	7		133.00
750.0	896.00	9		39.30
1360.0	261.00	8		23.60
4500.0	315.00	9		34.20
7500.0	374.00	8		35.70
13600.0	208.00	6		6.89

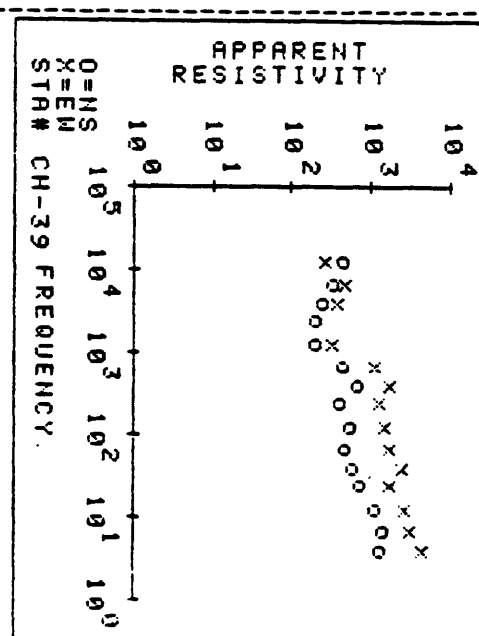
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

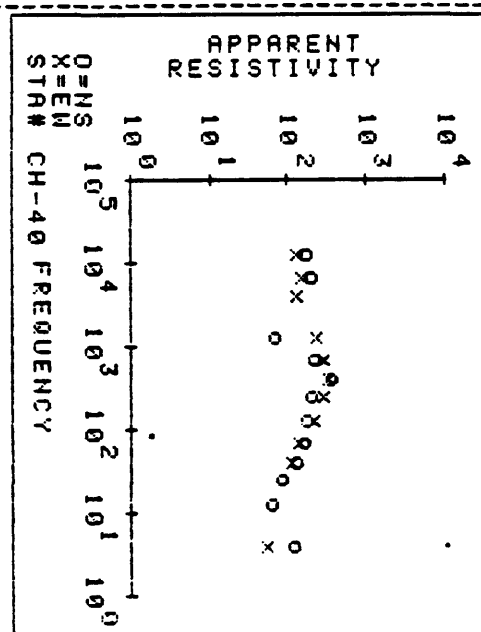
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-40 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	96.80	5	13.90
13.6	50.30	7	7.96
27.0	69.30	8	8.88
45.0	105.00	5	17.50
75.0	132.00	5	36.50
136.0	142.00	8	17.10
270.0	164.00	4	16.40
450.0	284.00	5	34.70
750.0	167.00	5	33.70
1360.0	54.90	4	8.18
7500.0	162.00	6	29.60
13600.0	137.00	5	6.27

STATION ID_CH-40 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	45.20	5	9.64
45.0	89.70	8	8.62
75.0	114.00	5	17.00
136.0	176.00	7	34.30
270.0	236.00	6	50.60
450.0	268.00	5	8.87
750.0	226.00	6	42.00
1360.0	188.00	4	27.30
4500.0	108.00	6	6.75
7500.0	122.00	5	12.00
13600.0	106.00	6	16.90

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-41 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	73.20	4	12.10
7.5	88.50	5	21.00
13.6	242.00	6	48.90
27.0	471.00	4	113.00
75.0	644.00	6	191.00
136.0	1130.00	7	226.00
270.0	707.00	6	107.00
450.0	433.00	6	18.20
750.0	233.00	7	26.80
4500.0	411.00	6	70.40
7500.0	759.00	5	125.00
13600.0	443.00	6	289.00

STATION ID_CH-41 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	127.00	6	19.40
13.6	201.00	5	31.60
27.0	190.00	6	14.20
45.0	299.00	9	35.40
75.0	364.00	8	70.30
136.0	268.00	8	30.00
270.0	472.00	6	81.90
450.0	488.00	5	44.30
750.0	262.00	5	53.80
4500.0	169.00	6	12.00
7500.0	177.00	7	5.13
13600.0	268.00	5	12.60

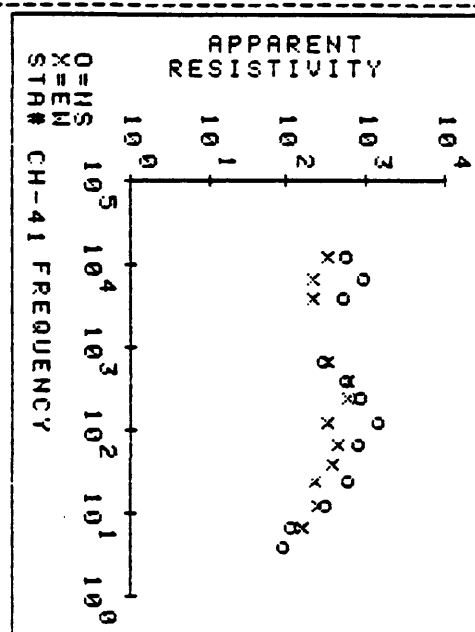
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-42 NS NO FREQ= 10

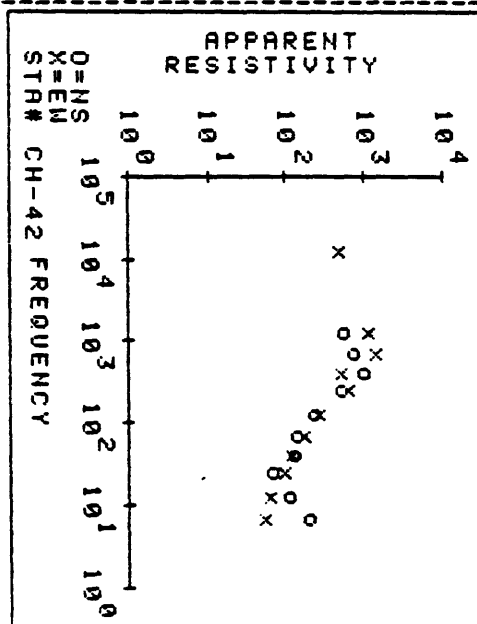
FREQ	AP-RES	N OBS	STD ERR
7.5	165.00	7	33.60
13.6	89.10	5	25.50
27.0	55.30	7	5.60
45.0	106.00	4	21.10
75.0	110.00	7	9.64
136.0	182.00	6	106.00
270.0	410.00	2	0.00
450.0	763.00	6	35.10
750.0	573.00	6	70.50
1360.0	432.00	6	67.50

STATION ID_CH-42 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
7.5	42.30	8	6.64
13.6	52.30	9	7.48
27.0	77.10	6	14.70
45.0	95.80	8	7.64
75.0	141.00	6	5.50
136.0	218.00	5	9.36
270.0	518.00	5	105.00
450.0	407.00	6	25.60
750.0	1161.00	5	100.00
1360.0	932.00	6	238.00
13660.0	379.00	5	33.30

OUTPUT FROM PLOT

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-43 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	125.00	8	12.60
7.5	119.00	10	8.72
13.6	79.10	8	5.53
27.0	53.80	7	2.32
45.0	53.60	7	3.67
75.0	57.00	8	1.30
136.0	63.20	8	2.54
270.0	50.70	7	6.00
450.0	62.20	6	2.90
750.0	103.00	6	12.80
4500.0	46.70	6	4.42
7500.0	26.90	6	6.57
13600.0	32.60	6	.92

STATION ID_CH-43 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	64.70	5	11.30
7.5	41.50	9	2.73
13.6	39.80	7	2.75
27.0	40.30	7	2.69
45.0	71.50	5	3.13
75.0	99.10	8	7.48
136.0	119.00	6	1.70
270.0	93.50	6	5.71
450.0	92.70	6	7.69
750.0	100.00	7	7.69
7500.0	26.80	3	.19
13600.0	39.20	6	3.92

OUTPUT FROM PLOT

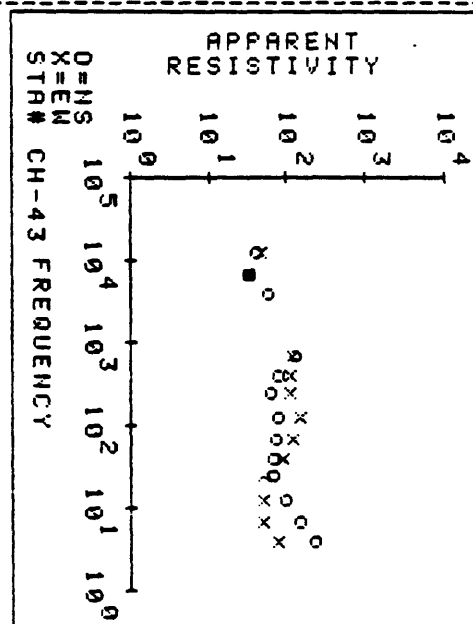


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

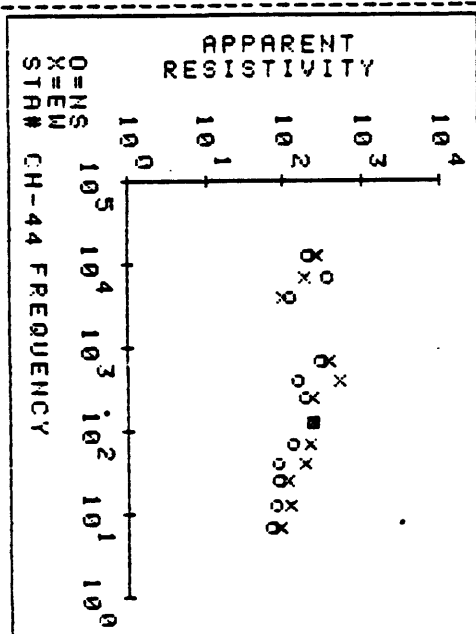
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-44 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	54.30	5	5.90
13.6	64.20	7	6.40
27.0	65.40	5	3.27
45.0	67.90	6	25.60
75.0	104.00	7	9.54
136.0	183.00	7	27.10
270.0	155.00	6	8.38
450.0	124.00	7	8.80
750.0	237.00	6	30.80
4500.0	97.60	6	14.60
7500.0	279.00	5	19.70
13600.0	158.00	5	19.90

STATION ID_CH-44 EW NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
7.5	72.50	8	5.51
13.6	96.50	8	5.61
27.0	87.80	4	6.82
45.0	148.00	7	4.43
75.0	168.00	8	7.74
136.0	191.00	7	9.31
270.0	186.00	5	7.65
450.0	418.00	7	40.00
750.0	309.00	5	46.10
4500.0	76.90	6	5.96
7500.0	150.00	5	8.28
13600.0	209.00	6	10.90

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-45 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	296.00	5	33.30
7.5	294.00	6	65.40
13.6	197.00	5	12.10
27.0	157.00	6	11.30
45.0	151.00	6	10.10
75.0	175.00	6	8.88
136.0	245.00	6	22.50
270.0	251.00	6	23.80
450.0	229.00	5	27.20
750.0	210.00	7	9.71
2700.0	122.00	5	8.24
4500.0	216.00	5	20.10

STATION ID_CH-45 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	59.10	8	8.36
7.5	24.30	6	4.36
13.6	40.20	5	3.28
27.0	47.60	9	4.14
45.0	43.10	9	2.30
75.0	64.50	8	10.50
136.0	72.70	7	1.23
270.0	67.60	7	3.14
450.0	95.60	7	3.65
750.0	164.00	7	11.60
4500.0	165.00	6	11.30
7500.0	159.00	7	14.70
13600.0	134.00	6	4.63

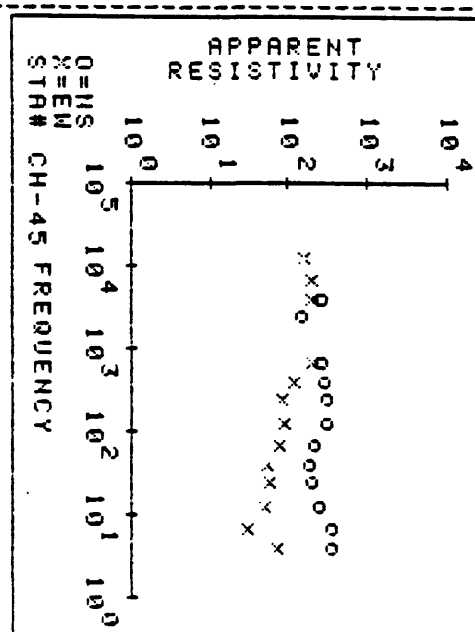
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-46 NS NO FREQ= 15

FREQ	AP-PES	N OBS	STD ERR
4.5	116.00	5	16.00
7.5	41.60	5	15.60
13.6	69.20	6	11.80
27.0	44.40	6	5.03
45.0	24.60	6	3.65
75.0	49.50	5	5.22
136.0	92.60	6	8.98
270.0	110.00	6	15.30
450.0	170.00	7	18.00
750.0	634.00	6	26.20
1360.0	63.00	5	4.90
2700.0	75.30	5	4.04
4500.0	138.00	6	8.31
7500.0	191.00	7	6.74
13600.0	225.00	5	19.10

STATION ID_CH-46 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	403.00	4	39.20
7.5	605.00	5	74.10
13.6	431.00	9	122.00
27.0	240.00	9	420.00
45.0	340.00	9	0.00
75.0	483.00	4	86.10
136.0	457.00	4	39.30
270.0	710.00	5	46.70
450.0	1204.00	7	114.00
750.0	652.00	6	77.50
1360.0	238.00	8	17.90
2700.0	392.00	6	25.80
4500.0	434.00	5	55.70
7500.0	352.00	6	23.10

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

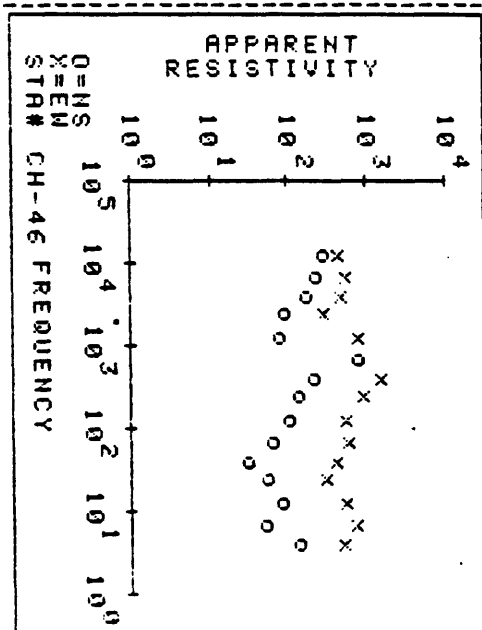
STATION ID_CH-47 NS NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	13900.00	8	1930.00
7.5	8047.00	8	2089.00
13.6	21300.00	7	3890.00
27.0	7690.00	7	770.00
45.0	9708.00	7	2235.00
75.0	12900.00	5	2121.00
136.0	16800.00	5	3056.00
270.0	19400.00	6	1314.00
450.0	13200.00	7	1240.00
750.0	27000.00	5	2640.00
1360.0	7830.00	7	1022.00
2700.0	2346.00	5	215.00
4500.0	2572.00	6	148.00
7500.0	2309.00	5	46.00
13600.0	1061.00	6	16.80

STATION ID_CH-47 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	458.00	6	40.90
7.5	640.00	6	82.10
13.6	887.00	5	79.20
27.0	566.00	6	231.00
45.0	411.00	7	41.00
75.0	598.00	5	51.00
136.0	575.00	5	111.00
270.0	629.00	6	40.20
450.0	858.00	5	78.60
750.0	593.00	6	77.30
1360.0	475.00	6	49.20
2700.0	464.00	6	45.20
4500.0	753.00	5	83.00
7500.0	367.00	6	39.90

OUTPUT FROM PLOT



OUTPUT FROM PLOT

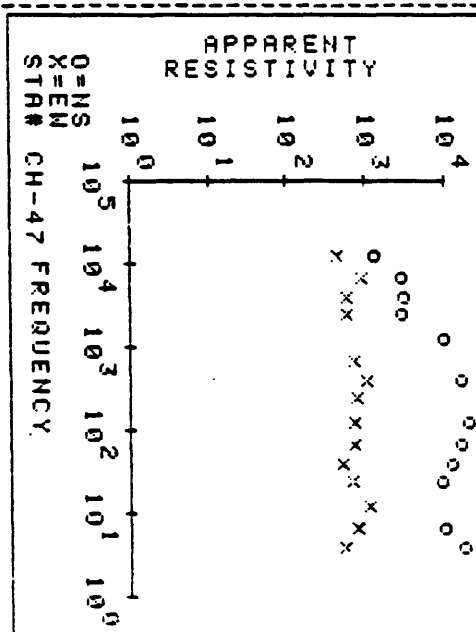


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-48 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	254.00	5	18.30
7.5	242.00	6	43.40
13.6	205.00	5	20.30
45.0	102.00	5	9.66
75.0	91.70	7	10.40
136.0	124.00	7	5.42
270.0	142.00	7	10.00
450.0	201.00	8	18.30
750.0	190.00	6	21.30
1360.0	86.30	6	9.39
2700.0	97.50	6	6.35
4500.0	123.00	6	16.50
7500.0	201.00	5	23.90
13600.0	336.00	4	22.00

STATION ID_CH-48 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
7.5	136.00	9	15.40
13.6	148.00	12	9.41
27.0	72.20	7	6.82
45.0	116.00	8	7.61
75.0	150.00	6	9.55
136.0	173.00	5	5.95
270.0	183.00	7	11.00
450.0	325.00	5	38.10
750.0	366.00	5	19.30
1360.0	134.00	7	16.40
2700.0	58.30	4	6.78
4500.0	58.60	6	5.44
13600.0	73.40	5	7.38

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

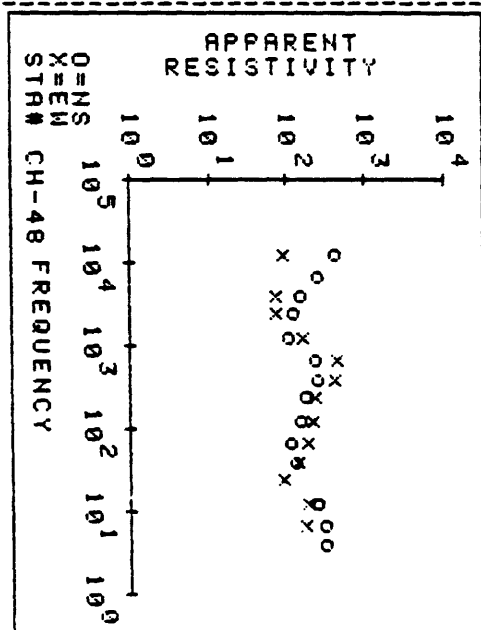
STATION ID_CH-49 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	631.00	6	173.00
7.5	342.00	9	25.80
13.6	451.00	3	92.80
27.0	422.00	7	38.90
45.0	199.00	6	13.60
75.0	227.00	5	28.90
136.0	197.00	6	22.40
270.0	140.00	7	15.30
450.0	133.00	9	9.93
750.0	132.00	5	17.70
2700.0	51.60	7	4.72
4500.0	113.00	6	15.90
7500.0	182.00	6	12.50
13600.0	182.00	5	8.84

STATION ID_CH-49 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	1420.00	7	207.00
7.5	631.00	8	17.70
13.6	480.00	9	27.20
27.0	306.00	9	12.60
45.0	250.00	9	11.50
75.0	174.00	6	8.00
136.0	134.00	5	10.80
270.0	92.60	6	1.23
450.0	80.50	5	3.57
750.0	121.00	6	13.90
4500.0	79.30	6	6.48
7500.0	51.30	6	4.73
13600.0	47.60	5	1.66

OUTPUT FROM PLOT



OUTPUT FROM PLOT

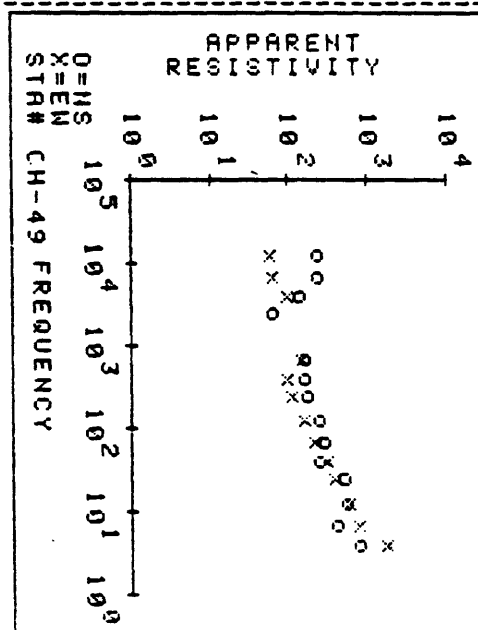


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

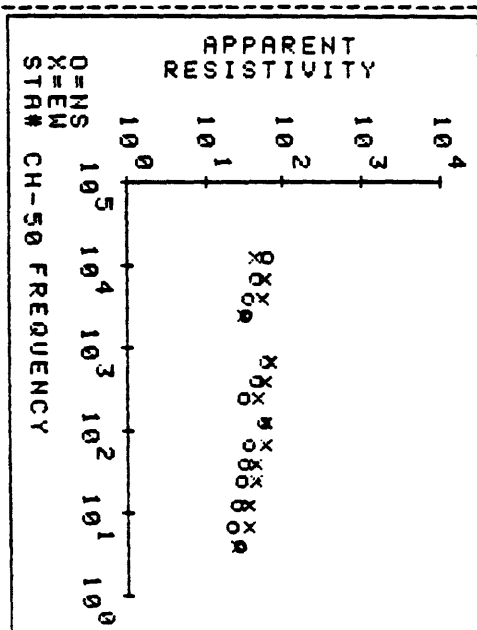
STATION ID_CH-50 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	20.70	6	1.63
7.5	16.70	7	1.44
13.6	20.00	7	1.73
27.0	22.20	5	2.43
45.0	24.60	7	.87
75.0	29.20	7	2.26
136.0	42.90	5	4.44
270.0	24.70	6	1.76
450.0	34.30	5	2.35
750.0	47.50	6	3.62
2700.0	26.30	5	2.02
4500.0	28.70	4	2.17
7500.0	35.40	6	3.21
13600.0	49.40	5	5.65

STATION ID_CH-50 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	20.10	7	1.61
7.5	27.50	8	2.70
13.6	27.40	9	.90
27.0	35.10	8	1.37
45.0	36.00	8	1.08
75.0	45.70	7	.92
136.0	48.30	6	.73
270.0	37.80	9	1.13
450.0	46.60	8	.79
750.0	54.00	9	1.09
2700.0	25.20	7	2.16
4500.0	42.80	7	2.60
7500.0	46.20	4	2.24
13600.0	36.00	6	1.62

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-51 NS NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
4.5	293.00	7	46.60
7.5	608.00	5	108.00
13.6	1367.00	5	262.00
27.0	814.00	6	57.20
45.0	790.00	4	149.00
1360.0	483.00	5	100.00
2700.0	457.00	8	41.00
4500.0	620.00	7	48.20
7500.0	830.00	6	68.70
13600.0	478.00	5	23.60

STATION ID_CH-51 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	209.00	5	46.70
7.5	363.00	6	44.30
13.6	352.00	7	40.80
27.0	804.00	8	106.00
45.0	600.00	6	40.50
75.0	453.00	4	8.33
270.0	602.00	6	42.60
450.0	520.00	6	31.20
750.0	1323.00	6	51.50
1360.0	512.00	6	60.60
2700.0	466.00	9	2.10
4500.0	710.00	7	42.60
7500.0	815.00	5	38.90
13600.0	440.00	4	43.60

OUTPUT FROM PLOT

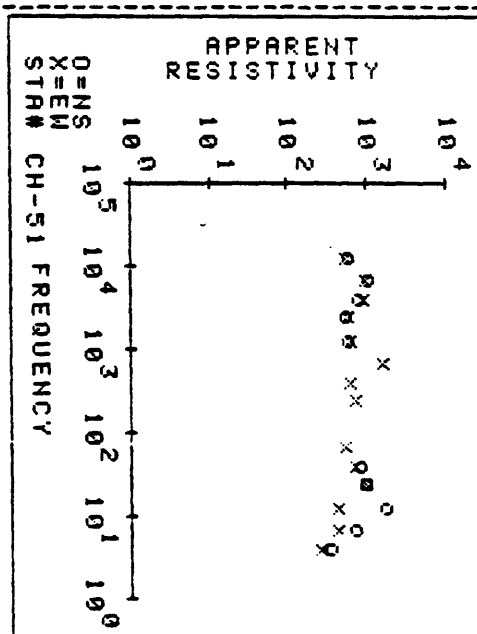


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

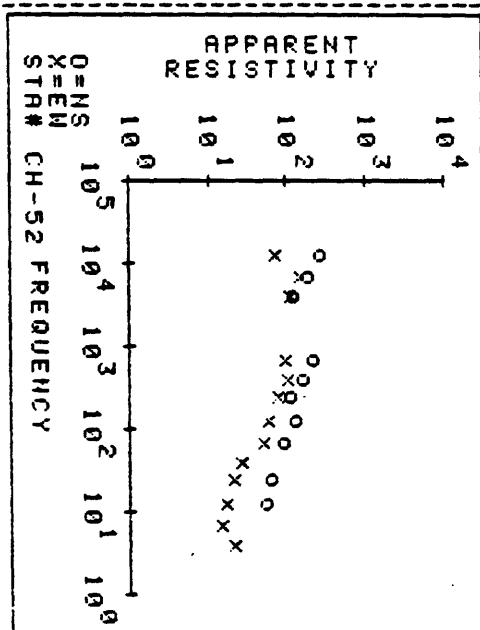
STATION ID_CH-52 NS NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
13.6	43.70	4	6.40
27.0	52.00	5	5.37
75.0	73.20	6	3.18
136.0	102.00	8	7.31
270.0	92.10	6	12.10
450.0	128.00	7	6.17
750.0	179.00	4	9.46
4500.0	97.50	7	6.90
7500.0	149.00	5	15.20
13600.0	222.00	5	16.20

STATION ID_CH-52 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	17.00	7	5.15
7.5	12.10	5	1.96
13.6	14.00	6	2.48
27.0	16.50	7	0.06
45.0	22.00	7	1.22
75.0	42.00	7	1.45
136.0	47.00	8	1.73
270.0	63.00	5	2.80
450.0	83.00	8	9.48
750.0	80.70	7	4.71
4500.0	90.60	7	5.72
7500.0	121.00	7	3.72
13600.0	59.70	6	3.73

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-53 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	750.00	6	116.00
7.5	724.00	6	56.10
13.6	473.00	8	32.40
27.0	477.00	7	24.30
45.0	429.00	5	30.90
75.0	347.00	6	17.70
136.0	428.00	7	56.50
270.0	309.00	6	18.20
450.0	331.00	6	10.10
750.0	160.00	6	22.20
4500.0	47.20	7	4.79
7500.0	55.70	10	6.90
13600.0	128.00	6	0.00

STATION ID_CH-53 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	166.00	8	19.00
7.5	220.00	7	10.50
13.6	180.00	7	2.92
27.0	185.00	8	3.60
45.0	179.00	6	5.70
75.0	178.00	6	4.5
136.0	171.00	6	9.46
270.0	176.00	6	4.55
450.0	196.00	7	7.54
750.0	263.00	8	18.30
4500.0	47.70	5	6.74
7500.0	64.40	6	2.44
13600.0	43.60	5	4.25

OUTPUT FROM PLOT

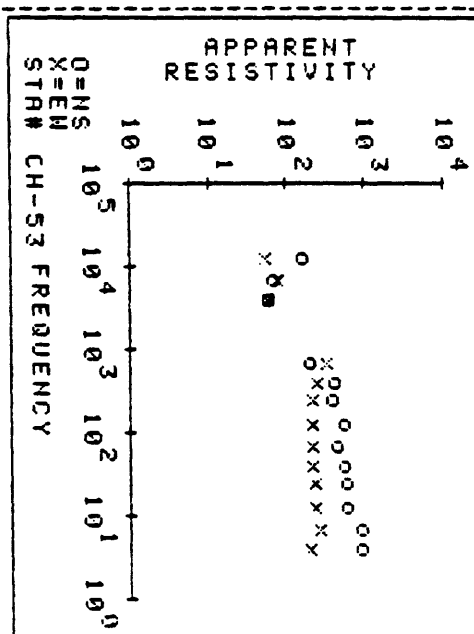


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

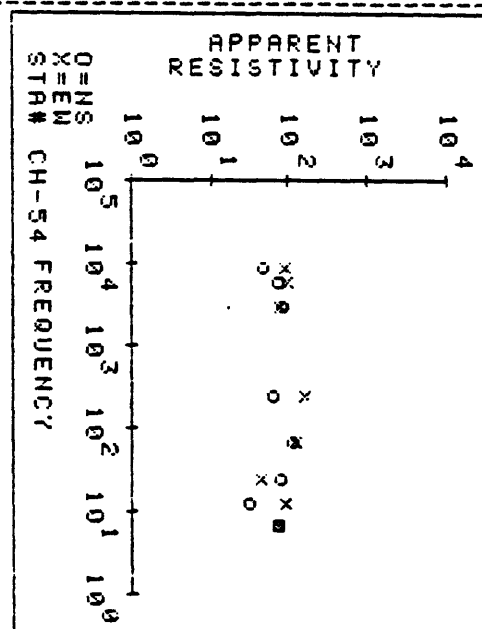
STATION ID_CH-54 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	57.70	1	0.00
14.0	24.20	7	2.18
27.0	64.70	6	4.58
76.0	87.30	4	13.40
285.0	51.50	11	5.42
3300.0	69.70	8	9.75
6700.0	56.50	10	3.24
10200.0	37.00	6	1.32

STATION ID_CH-54 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	57.60	9	.64
14.0	70.60	10	12.20
27.0	36.20	6	2.48
76.0	96.10	12	4.37
285.0	126.00	9	16.40
3300.0	64.10	8	9.12
6700.0	78.50	9	3.62
10200.0	70.50	6	.95

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-55 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	3298.00	6	225.00
10.0	1677.00	3	51.50
14.0	1773.00	5	280.00
27.0	1172.00	9	200.00
76.0	1915.00	4	181.00
285.0	604.00	5	35.90
6700.0	439.00	6	46.20
10200.0	449.00	7	21.40

STATION ID_CH-55 EW NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
7.5	920.00	6	164.00
10.0	1176.00	4	279.00
27.0	1023.00	8	238.00
76.0	1062.00	8	125.00
285.0	406.00	7	28.30
6700.0	379.00	9	29.70
10200.0	285.00	6	13.40

OUTPUT FROM PLOT

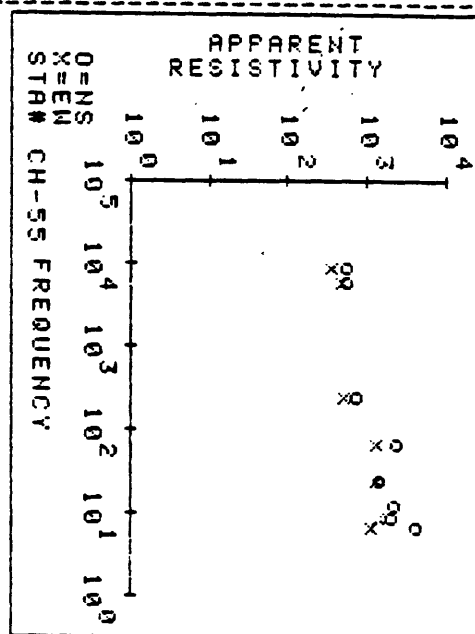


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

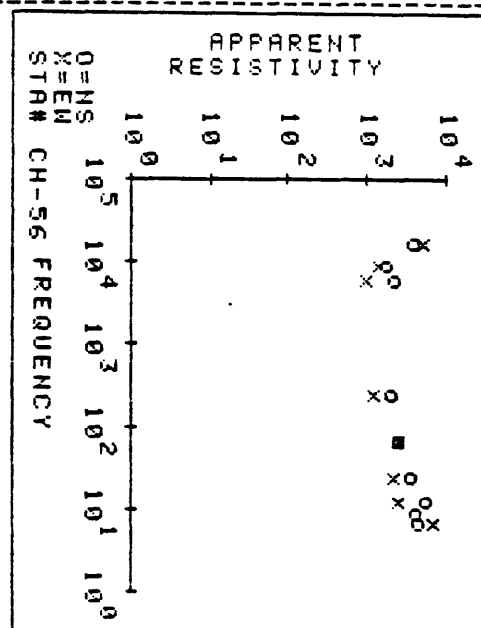
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-56 NS NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
7.5	3568.00	6	432.00
10.0	3313.00	7	584.00
14.0	4470.00	9	529.00
27.0	3007.00	9	200.00
76.0	2092.00	11	180.00
285.0	1610.00	8	96.90
6700.0	1790.00	12	125.00
10200.0	1410.00	7	114.00
18600.0	3080.00	1	0.00

STATION ID_CH-56 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	5628.00	7	719.00
14.0	1960.00	10	171.00
27.0	1784.00	7	137.00
76.0	2051.00	6	215.00
285.0	979.00	7	108.00
6700.0	809.00	8	49.70
10200.0	1110.00	5	29.30
18600.0	4320.00	1	0.00

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-57 NS NO FREQ= 6

FREQ	AP-RES	N OBS	STD ERR
7.5	12.30	9	.62
14.0	18.80	9	1.07
27.0	31.70	10	5.36
285.0	13.90	6	1.07
6700.0	4.68	7	.41
10200.0	2.58	1	0.00

STATION ID_CH-57 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	21.00	12	1.03
10.0	20.50	9	.79
14.0	23.60	15	1.04
27.0	35.00	15	1.48
76.0	55.00	12	1.56
285.0	42.10	8	2.74
6700.0	11.10	7	.45
10200.0	10.80	5	.50

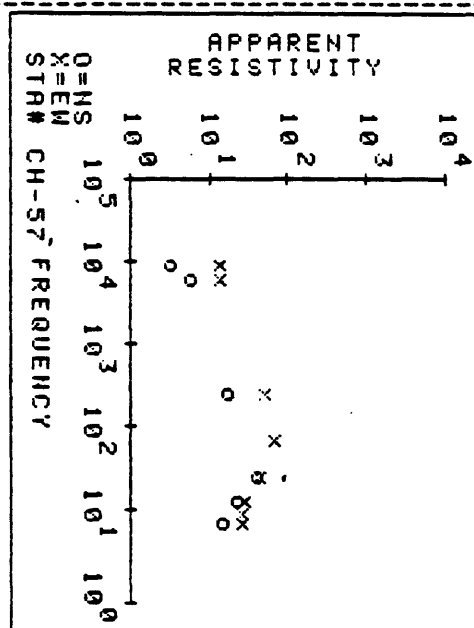
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-58 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	67.00	8	6.10
10.0	129.00	10	7.55
14.0	87.00	9	5.90
27.0	76.40	9	4.43
76.0	62.00	12	7.30
285.0	46.00	12	2.10
6700.0	17.60	10	.96
10200.0	16.60	6	1.40

STATION ID_CH-58 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	116.00	9	9.70
10.0	110.00	10	9.40
14.0	94.50	9	8.40
27.0	88.00	12	3.80
76.0	76.00	12	7.20
285.0	91.00	11	4.70
6700.0	72.00	10	2.10
10200.0	59.00	7	2.40

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

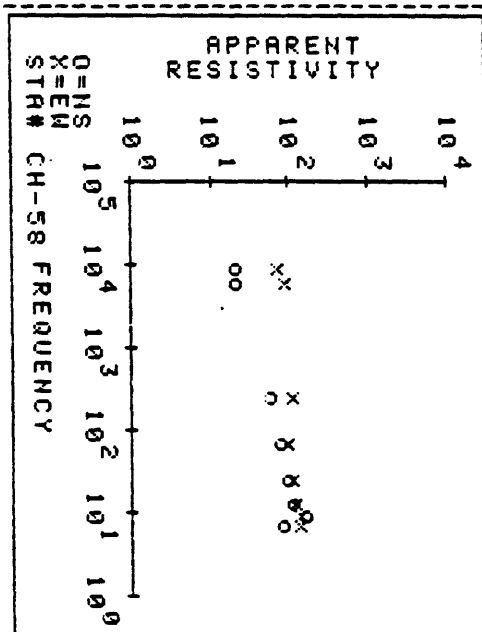
STATION ID_CH-59 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	110.00	8	7.13
10.0	157.00	7	5.77
14.0	170.00	6	22.30
27.0	107.00	5	14.20
76.0	69.30	8	8.36
285.0	37.60	5	2.88
6700.0	30.60	5	1.54
10200.0	20.40	5	1.20

STATION ID_CH-59 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	83.30	8	5.68
10.0	69.50	7	6.12
14.0	59.60	8	5.33
27.0	65.20	5	4.10
76.0	79.30	9	2.98
285.0	79.40	6	6.37
6700.0	93.40	7	4.55
10200.0	95.70	6	3.38

OUTPUT FROM PLOT



OUTPUT FROM PLOT

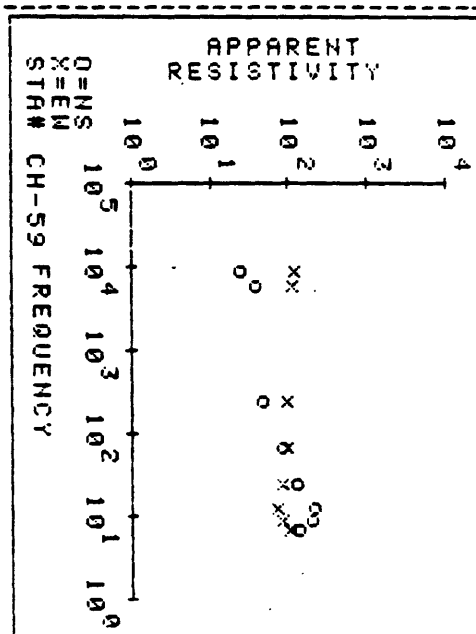


Table 1. U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

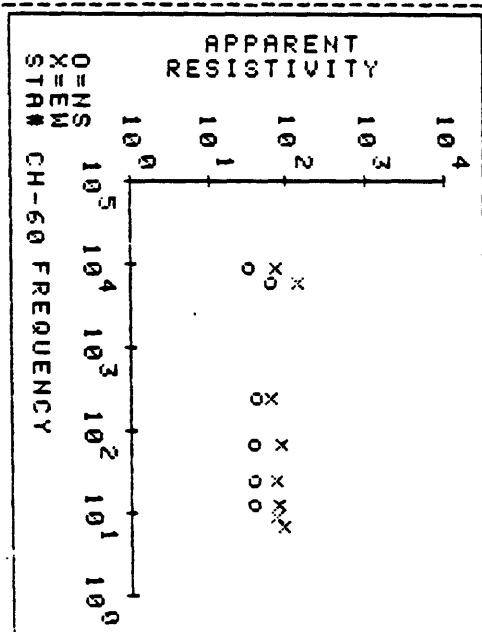
STATION ID_CH-60 NS NO FREQ= 6

FREQ	AP-RES	N OBS	STD ERR
14.0	31.60	8	2.50
27.0	31.30	8	1.56
76.0	30.00	8	4.00
285.0	32.70	7	1.60
6700.0	50.00	8	3.00
10200.0	27.10	5	1.40

STATION ID_CH-60 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	71.00	10	5.50
10.0	57.00	6	2.40
14.0	63.00	10	3.70
27.0	59.00	11	3.20
76.0	65.00	9	4.60
285.0	51.00	6	3.50
6700.0	111.00	7	3.60
10200.0	57.00	5	.35

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-61 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	279.00	8	22.00
10.0	402.00	8	34.00
14.0	409.00	9	41.00
27.0	350.00	8	33.00
76.0	371.00	7	47.00
285.0	140.00	6	8.90
6700.0	153.00	5	6.70
10200.0	124.00	6	3.40

STATION ID_CH-61 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	436.00	11	27.00
10.0	273.00	9	14.00
14.0	396.00	7	43.00
27.0	335.00	10	19.00
76.0	362.00	8	26.00
285.0	253.00	8	16.00
6700.0	240.00	6	4.17
10200.0	171.00	0	0.00

OUTPUT FROM PLOT

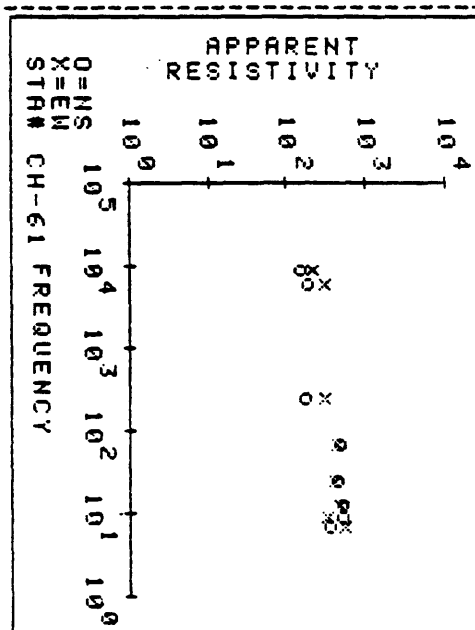


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

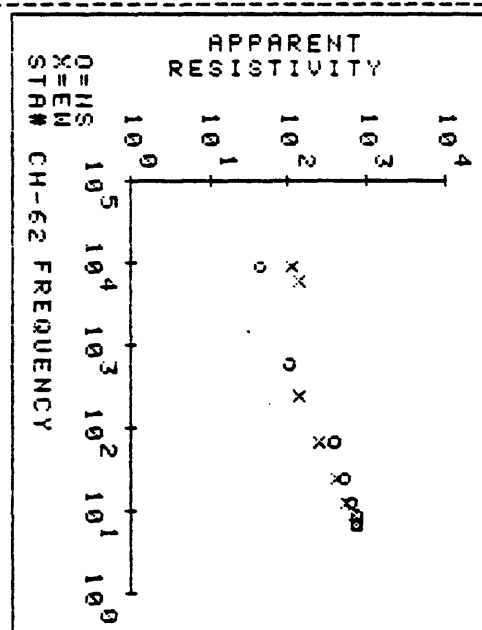
STATION ID_CH-62 NS NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
7.5	577.00	9	51.00
10.0	576.00	10	59.00
14.0	527.00	10	38.00
27.0	414.00	9	34.00
76.0	319.00	10	27.00
285.0	81.00	7	15.00
10200.0	36.00	7	4.60

STATION ID_CH-62 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	594.00	10	54.00
10.0	535.00	12	46.00
14.0	430.00	11	31.00
27.0	323.00	8	15.00
76.0	201.00	12	13.00
285.0	116.00	9	3.80
6700.0	110.00	6	4.50
10200.0	89.00	7	5.20

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-63 NS NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
7.5	3942.00	13	336.00
10.0	3964.00	10	1508.00
14.0	4116.00	15	340.00
27.0	4880.00	8	559.00
76.0	7265.00	9	1011.00
285.0	1234.00	9	151.00
10200.0	292.00	6	36.30

STATION ID_CH-63 EW NO FREQ= 4

FREQ	AP-RES	N OBS	STD ERR
76.0	898.00	8	44.00
285.0	524.00	8	35.00
6700.0	274.00	8	22.00
10200.0	219.00	7	18.10

OUTPUT FROM PLOT

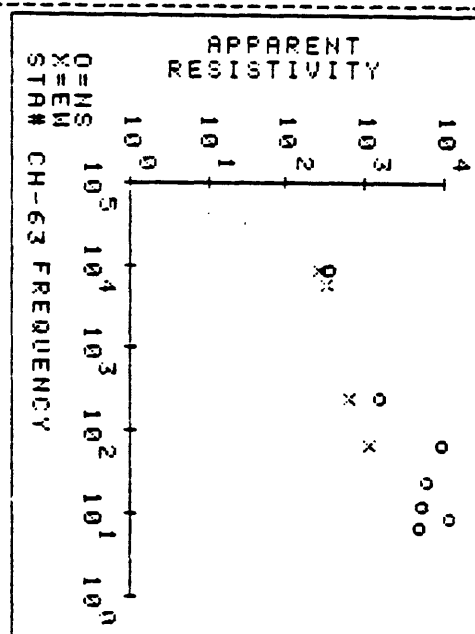


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

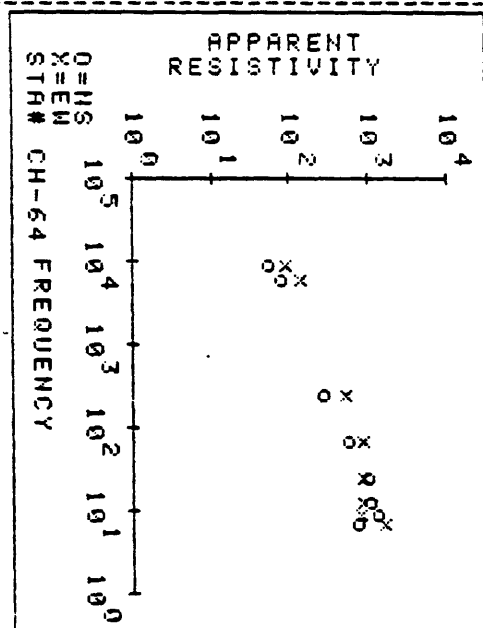
STATION ID_CH-64 NS NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	591.00	8	80.70
10.0	1020.00	8	70.20
14.0	841.00	8	99.30
27.0	779.00	6	62.00
76.0	432.00	13	18.20
285.0	214.00	13	10.30
6700.0	63.10	11	1.59
10200.0	43.70	9	1.40

STATION ID_CH-64 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	1316.00	7	117.00
10.0	651.00	8	57.30
14.0	696.00	10	44.70
27.0	679.00	13	51.20
76.0	698.00	10	50.30
285.0	414.00	11	13.50
6700.0	111.00	12	4.97
10200.0	70.30	6	1.98

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-65 NS NO FREQ= 5

FREQ	AP-RES	N OBS	STD ERR
10.0	55.20	7	12.40
76.0	20.00	11	1.90
285.0	19.00	10	.46
6700.0	55.70	9	2.10
10200.0	39.00	8	1.07

STATION ID_CH-65 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
7.5	192.00	8	36.00
10.0	340.00	10	33.00
14.0	325.00	9	45.00
27.0	158.00	10	11.00
76.0	112.00	10	8.00
285.0	80.00	10	2.40
6700.0	153.00	9	2.00
10200.0	100.00	7	2.40

OUTPUT FROM PLOT

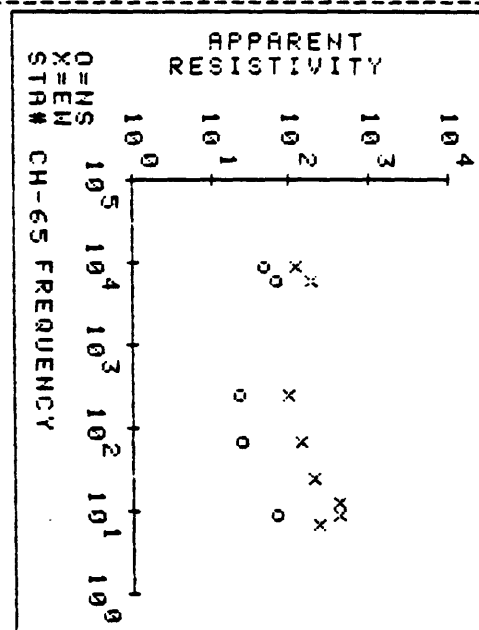


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

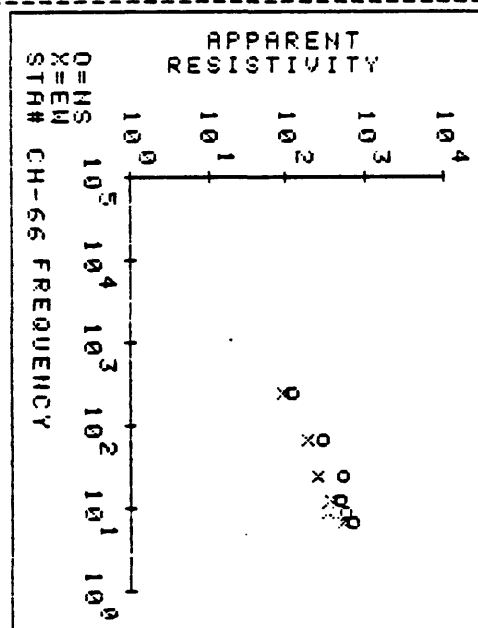
STATION ID_CH-66 NS NO FREQ= 6

FREQ	AP-RES	N OBS	STD ERR
7.5	566.00	8	73.00
10.0	435.00	7	32.00
14.0	372.00	9	42.00
27.0	418.00	9	45.00
76.0	230.00	8	32.00
285.0	96.00	7	6.00

STATION ID_CH-66 EW NO FREQ= 6

FREQ	AP-RES	N OBS	STD ERR
7.5	422.00	10	40.00
10.0	269.00	10	20.00
14.0	285.00	9	39.00
27.0	206.00	10	13.00
76.0	149.00	8	13.00
285.0	74.00	8	4.00

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

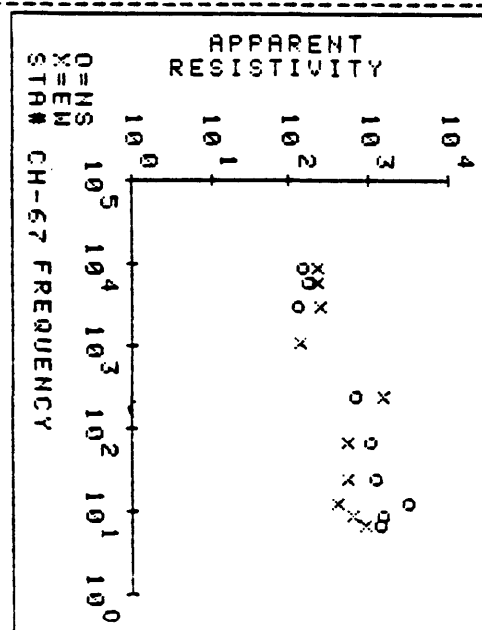
STATION ID_CH-67 NS NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
7.5	1130.00	7	121.00
10.0	1253.00	7	127.00
14.0	2483.00	7	345.00
27.0	955.00	6	66.00
76.0	820.00	10	186.00
285.0	549.00	9	97.00
3300.0	103.00	12	10.00
6700.0	139.00	12	6.00
10200.0	117.00	5	7.80

STATION ID_CH-67 EW NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
7.5	718.00	8	68.00
10.0	502.00	7	70.90
14.0	339.00	7	19.80
27.0	433.00	9	46.00
76.0	452.00	9	48.00
285.0	1207.00	4	274.00
1200.0	113.00	5	26.00
3300.0	206.00	6	31.00
6700.0	191.00	10	6.60
10200.0	189.00	7	14.00

OUTPUT FROM PLOT



OUTPUT FROM PRINT

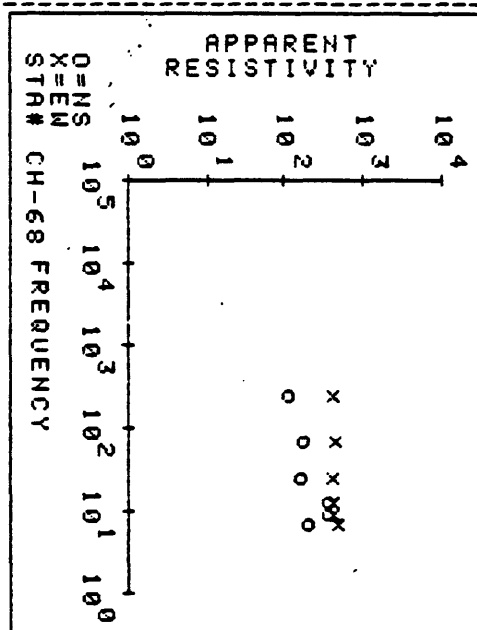
PROJECT=COLUMBINE HONDO

STATION ID_CH-68 NS NO FREQ= 6

FREQ	AP-RES	N	OBS	STD ERR
7.5	160.00	10		18.00
10.0	283.00	13		29.00
14.0	286.00	11		39.00
27.0	125.00	10		8.00
76.0	139.00	11		11.00
285.0	88.00	9		7.00

STATION ID_CH-68 EW NO FREQ= 6

FREQ	AP-RES	N	OBS	STD ERR
7.5	395.00	13		23.00
10.0	337.00	12		14.00
14.0	326.00	13		11.00
27.0	326.00	16		21.00
76.0	345.00	18		17.00
285.0	334.00	11		25.00

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-69 NS NO FREQ= 7

FREQ	AP-RES	N	OBS	STD ERR
10.0	157.00	4		8.10
14.0	248.00	5		72.00
27.0	73.00	9		8.00
76.0	57.00	8		5.70
285.0	96.00	11		9.20
6700.0	47.00	10		2.00
10200.0	38.00	9		1.90

STATION ID_CH-69 EW NO FREQ= 7

FREQ	AP-RES	N	OBS	STD ERR
7.5	114.00	9		6.23
10.0	144.00	7		16.00
14.0	123.00	11		24.00
27.0	139.00	8		15.00
76.0	121.00	11		8.20
285.0	111.00	9		5.90
6700.0	73.00	12		1.40

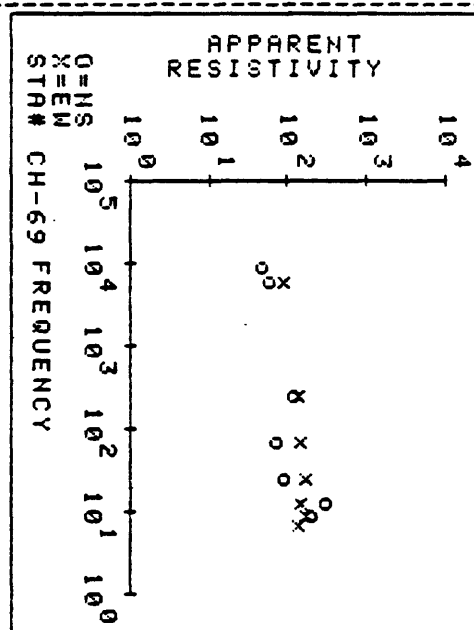
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

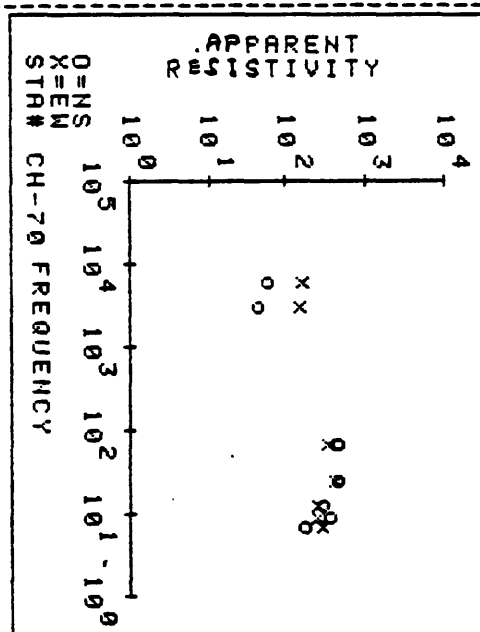
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-70 NS NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
7.5	138.00	12	13.00
10.0	295.00	8	35.00
14.0	229.00	10	15.00
27.0	363.00	8	40.00
76.0	347.03	12	19.00
3300.0	36.50	11	2.34
6700.0	46.00	10	2.30

STATION ID_CH-70 EW NO FREQ= 7

FREQ	AP-RES	N OBS	STD ERR
7.5	238.00	9	30.00
10.0	195.00	5	34.00
14.0	200.00	7	19.00
27.0	337.00	10	35.00
76.0	273.00	12	25.00
3300.0	118.00	11	5.20
6700.0	126.00	12	53.00

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-71 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	2108.60	4	415.59
7.5	1219.20	7	191.55
13.6	915.20	6	120.82
27.0	774.08	12	107.06
45.0	1127.80	10	81.16
75.0	932.45	10	82.56
136.0	535.94	10	51.32
270.0	500.60	11	44.22
450.0	427.22	8	37.96
750.0	460.61	10	46.96
1360.0	478.14	11	128.05

STATION ID_CH-71 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1703.90	14	132.90
7.5	2607.70	15	190.25
13.6	2353.70	11	156.06
27.0	1522.50	14	113.05
45.0	1788.10	11	69.00
75.0	1626.00	11	107.09
136.0	837.22	13	59.77
270.0	745.32	10	22.63
450.0	1173.90	11	182.01
750.0	813.29	14	141.65
1360.0	278.95	11	20.72
4500.0	878.13	14	108.31
7500.0	315.29	13	35.96
13600.0	241.48	10	17.92
27000.0	1095.40	5	98.22

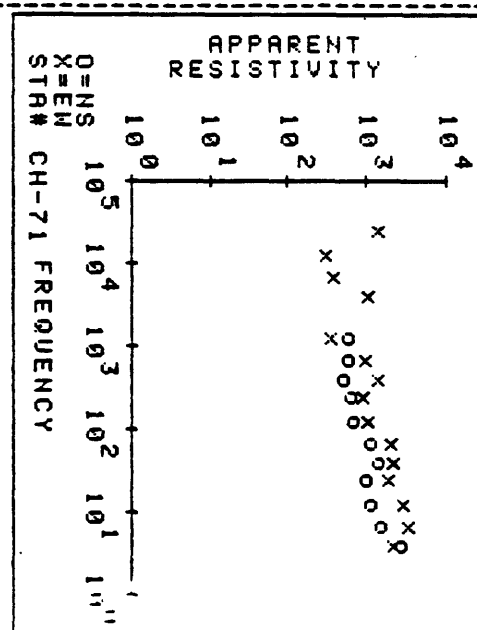
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-72 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	33.52	6	3.28
7.5	29.50	8	3.56
13.6	24.67	10	2.38
27.0	18.13	11	1.58
45.0	22.99	15	1.10
75.0	27.06	11	1.42
136.0	28.68	12	.87
270.0	45.75	15	2.50
450.0	61.31	10	2.81
750.0	84.37	9	8.50
1360.0	52.88	7	5.30
2700.0	130.23	8	14.43
4500.0	128.10	11	6.26
7500.0	105.78	11	7.90
13600.0	220.30	5	20.73
27000.0	145.44	6	6.19

STATION ID_CH-72 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	75.77	4	4.65
7.5	30.64	5	2.42
13.6	38.81	14	2.37
27.0	35.41	12	1.45
45.0	40.71	11	1.30
75.0	42.06	11	1.77
136.0	53.13	11	3.90
270.0	48.97	11	1.12
450.0	71.24	13	2.29
750.0	78.26	13	4.75
1360.0	86.75	10	11.95
2700.0	146.94	5	29.76
4500.0	273.27	7	28.55
7500.0	117.22	6	13.95
27000.0	36.26	3	.26

OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-73 NS NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	63.01	5	10.99
13.6	42.00	9	5.81
27.0	11.15	9	1.19
45.0	36.67	15	1.14
75.0	46.81	13	.66
136.0	48.61	12	.70
270.0	57.20	11	1.10
450.0	70.08	14	2.34
750.0	68.37	11	1.99
1360.0	62.14	9	5.94
2700.0	72.41	14	6.94
4500.0	34.88	12	2.18
7500.0	48.14	10	5.15
13600.0	155.48	11	16.35
27000.0	170.61	10	12.19

STATION ID_CH-73 EW NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	38.14	5	12.36
7.5	39.59	9	3.46
13.6	32.10	11	1.87
27.0	36.51	11	.93
45.0	42.83	12	1.16
75.0	55.15	12	2.07
136.0	61.19	11	2.76
270.0	49.08	11	.71
450.0	70.90	14	1.79
750.0	58.52	10	2.72
1360.0	78.95	12	5.00
2700.0	69.52	10	9.12
4500.0	91.75	9	8.73
7500.0	68.74	10	3.86
13600.0	27.89	9	1.47
27000.0	134.06	6	20.37

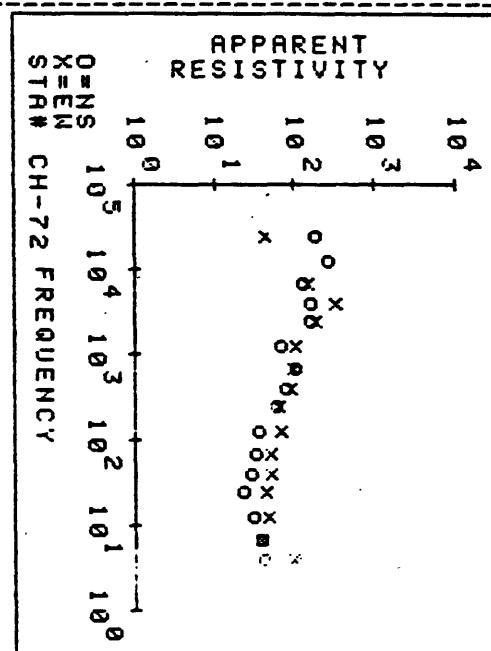
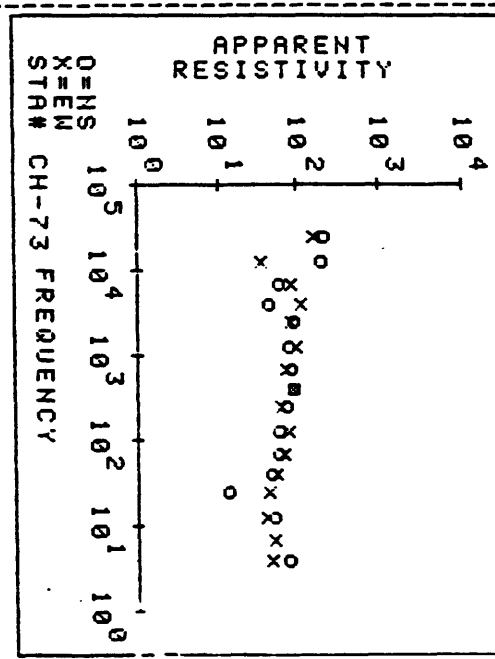
OUTPUT FROM PLOT-----
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

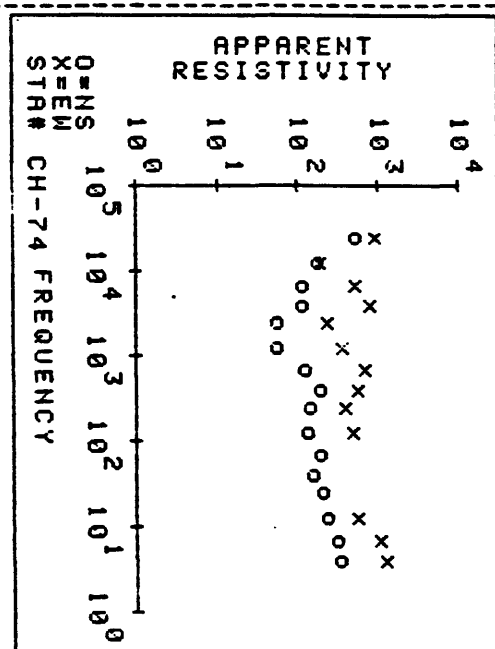
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-74 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	274.50	7	54.46
7.5	251.60	8	31.90
13.6	185.93	10	18.14
27.0	162.44	11	11.31
45.0	124.52	6	6.83
75.0	148.72	8	5.30
136.0	106.51	10	5.54
270.0	110.14	10	4.47
450.0	153.26	10	6.91
750.0	97.07	10	13.48
1360.0	45.40	4	14.95
2700.0	42.55	7	6.21
4500.0	89.25	10	7.09
7500.0	92.25	10	3.40
13600.0	142.52	7	12.63
27000.0	408.52	10	39.41

STATION ID_CH-74 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	980.83	10	198.20
7.5	851.54	10	102.66
13.6	441.12	10	41.28
136.0	389.48	10	20.76
270.0	308.50	7	55.20
450.0	454.43	6	96.02
750.0	567.85	7	11.05
1360.0	292.27	7	34.18
2700.0	189.13	5	23.30
4500.0	620.15	11	53.69
7500.0	402.38	10	22.06
13600.0	153.63	11	15.10
27000.0	725.53	11	95.94

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-75 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	377.47	5	57.56
7.5	203.76	6	38.74
13.6	153.35	13	9.30
27.0	99.68	11	5.87
75.0	129.65	13	5.07
136.0	117.89	11	6.34
270.0	168.53	13	5.64
450.0	214.16	13	8.94
750.0	252.62	14	13.99
1360.0	131.59	3	2.92
2700.0	150.91	3	9.18

STATION ID_CH-75 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	795.48	6	57.90
7.5	383.61	7	76.70
13.6	238.48	11	22.48
27.0	145.07	10	3.17
136.0	201.12	8	12.39
270.0	138.33	6	6.25
450.0	426.22	9	6.32
750.0	464.02	14	6.27
1360.0	544.77	2	20.20
4500.0	287.80	6	15.09
7500.0	362.64	14	26.11
13600.0	141.71	11	10.94
27000.0	59.25	11	1.85

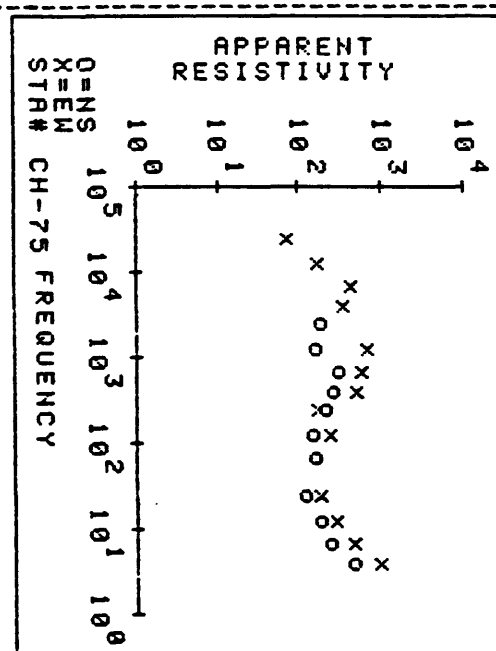
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

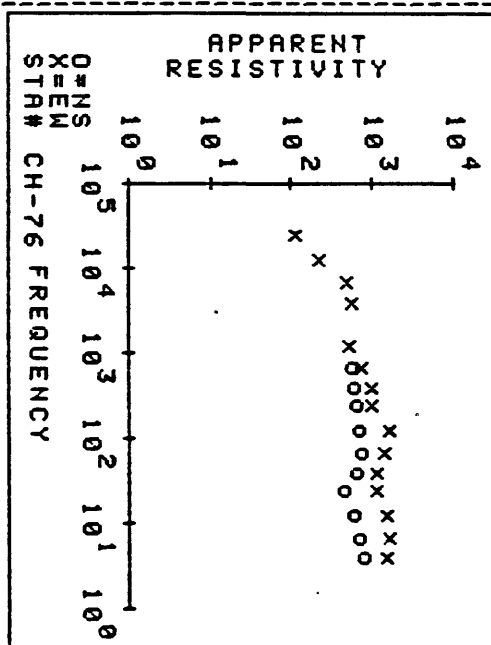
STATION ID_CH-76 NS NO FREQ= 10

FREQ	AP-RES	N OBS	STD ERR
4.5	634.17	9	49.86
7.5	537.52	12	45.32
13.6	474.77	12	29.30
27.0	345.86	15	24.27
45.0	527.28	13	28.78
75.0	583.98	12	21.61
136.0	550.64	11	62.52
270.0	500.97	13	52.76
450.0	472.04	15	27.92
750.0	431.75	10	25.35

STATION ID_CH-76 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1251.80	6	232.24
7.5	1286.50	9	93.45
13.6	1188.80	10	115.28
27.0	945.09	13	58.48
45.0	889.10	11	41.70
75.0	1108.70	12	141.89
136.0	1284.80	10	224.13
270.0	793.77	10	42.02
450.0	815.92	13	54.16
750.0	575.99	10	56.44
1360.0	403.57	4	96.64
4500.0	430.84	7	72.99
7500.0	375.21	10	30.92
13600.0	171.67	9	11.70
27000.0	93.57	6	3.08

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-77 NS NO FREQ= 9

FREQ	AP-RES	N OBS	STD ERR
4.5	3202.40	7	447.50
7.5	1923.20	7	315.18
13.6	1604.60	14	191.88
27.0	968.16	5	129.02
136.0	1001.50	10	72.91
270.0	2118.40	5	132.23
2700.0	1658.60	5	171.19
7500.0	699.45	5	72.10
13600.0	464.27	7	80.17

STATION ID_CH-77 EW NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	958.96	6	87.11
7.5	799.03	9	62.55
13.6	549.24	11	31.00
27.0	483.71	12	26.86
75.0	2104.00	3	329.99
136.0	394.79	14	27.43
270.0	537.42	10	94.11
750.0	690.49	7	68.09
2700.0	354.78	3	26.13
7500.0	447.94	5	64.65
13600.0	214.02	4	31.41

OUTPUT FROM PLOT

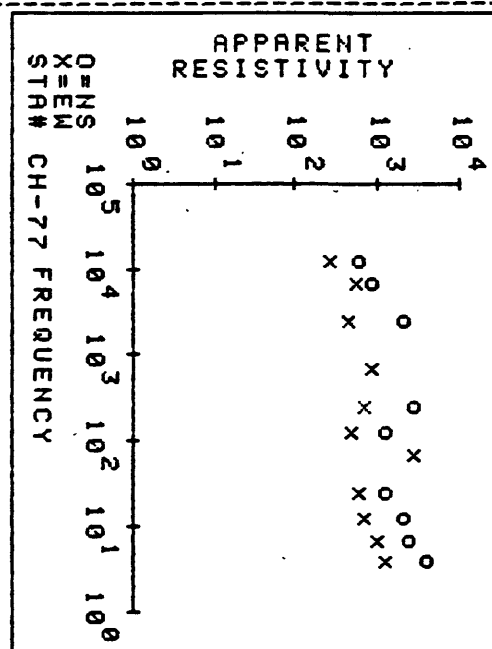


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

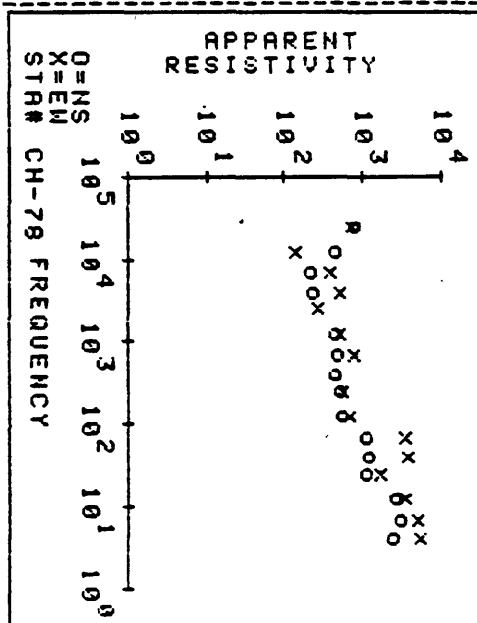
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-78 NS NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	2040.20	4	205.00
7.5	2476.10	12	394.10
13.6	2244.30	10	294.20
27.0	907.46	12	81.76
45.0	1000.90	15	57.49
75.0	885.27	14	34.31
136.0	453.54	6	23.44
270.0	412.73	14	7.06
450.0	350.14	13	8.35
750.0	394.60	14	13.59
1360.0	352.33	15	9.06
4500.0	181.86	10	5.44
7500.0	174.82	13	11.47
13600.0	360.29	9	23.72
27000.0	616.05	9	45.95

STATION ID_CH-78 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	4504.60	8	613.61
7.5	4220.40	14	390.13
13.6	2920.60	16	167.03
27.0	1384.00	14	85.21
45.0	3203.10	6	331.13
75.0	2812.30	7	316.05
136.0	542.04	14	38.36
270.0	435.88	13	23.51
450.0	641.83	15	44.09
750.0	425.04	11	9.97
1360.0	211.99	11	8.65
4500.0	418.16	10	36.75
7500.0	313.15	11	21.00
13600.0	114.07	9	3.34
27000.0	589.54	4	36.54

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-79 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	7093.70	6	1334.90
7.5	8295.30	9	1734.00
13.6	7046.80	12	850.51
27.0	3226.30	12	364.96
45.0	2406.10	13	197.21
75.0	2468.80	10	87.81
136.0	2388.90	12	171.62
270.0	2002.10	11	144.15
450.0	1728.40	11	95.88
1360.0	974.17	5	115.11
2700.0	838.65	6	193.13

STATION ID_CH-79 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	3057.50	7	748.22
7.5	4248.50	13	343.70
13.6	3746.70	14	195.01
27.0	2042.70	14	105.03
45.0	2654.50	12	235.12
75.0	2207.10	13	134.17
136.0	1135.40	13	51.54
270.0	862.76	11	46.63
450.0	1958.40	14	149.90
750.0	974.35	7	68.49
1360.0	593.95	11	30.41
4500.0	659.63	10	59.27
7500.0	409.92	14	50.57
13600.0	203.45	10	18.11

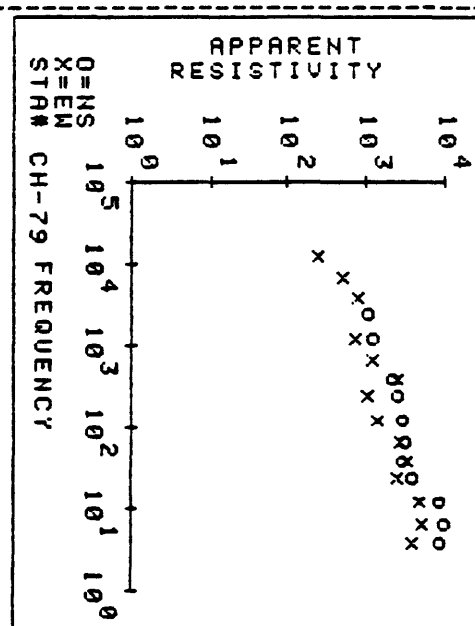
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

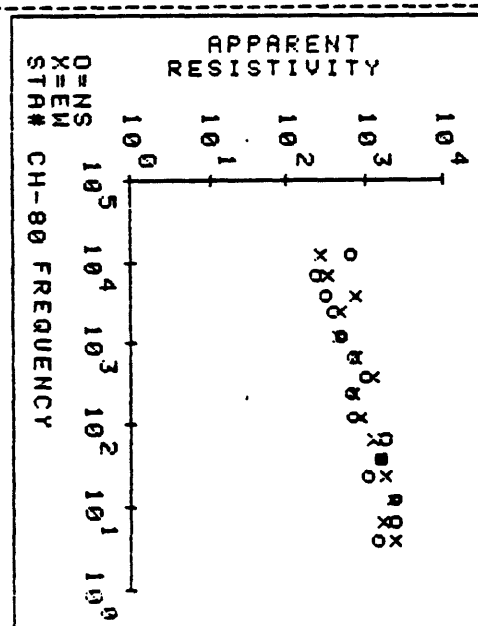
STATION ID_CH-80 NS NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1126.80	7	139.11
7.5	1822.80	11	112.51
13.6	1829.40	11	180.51
27.0	854.86	10	55.55
45.0	1243.50	10	60.09
75.0	1447.80	12	199.35
136.0	568.85	10	8.47
270.0	508.98	10	26.94
450.0	775.28	13	26.16
750.0	554.96	13	12.25
1360.0	379.03	10	18.39
2700.0	306.05	14	23.66
4500.0	257.49	10	44.52
7500.0	181.92	10	21.11
13600.0	494.31	12	47.74

STATION ID_CH-80 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1918.60	4	194.75
7.5	1303.80	8	105.16
13.6	1706.50	13	180.33
27.0	1367.50	12	71.57
45.0	1193.40	10	121.92
75.0	954.09	11	51.98
136.0	680.93	10	15.74
270.0	556.90	10	16.73
450.0	1003.80	11	39.05
750.0	587.66	11	40.19
1360.0	348.86	11	20.98
2700.0	372.37	10	28.85
4500.0	602.20	10	52.54
7500.0	274.27	10	22.57
13600.0	211.90	8	40.99

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-81 NS NO FREQ= 12

FREQ	AP-RES	N OBS	STD ERR
4.5	2626.40	6	381.65
7.5	3634.00	10	277.74
13.6	2201.00	10	94.89
27.0	1327.10	10	60.53
45.0	1637.10	11	38.14
75.0	1228.00	9	74.75
136.0	1072.90	10	72.45
270.0	1004.80	11	31.22
450.0	1598.20	10	119.61
750.0	883.86	10	44.16
1360.0	1272.00	12	140.49
2700.0	1544.40	14	453.75

STATION ID_CH-81 EW NO FREQ= 8

FREQ	AP-RES	N OBS	STD ERR
4.5	14299.00	4	3676.10
27.0	17687.00	9	1973.40
136.0	11342.00	7	1905.30
270.0	16564.00	11	935.90
750.0	6452.70	10	362.33
1360.0	3814.50	10	634.56
2700.0	3444.20	12	856.06
27000.0	2926.70	4	134.43

OUTPUT FROM PLOT

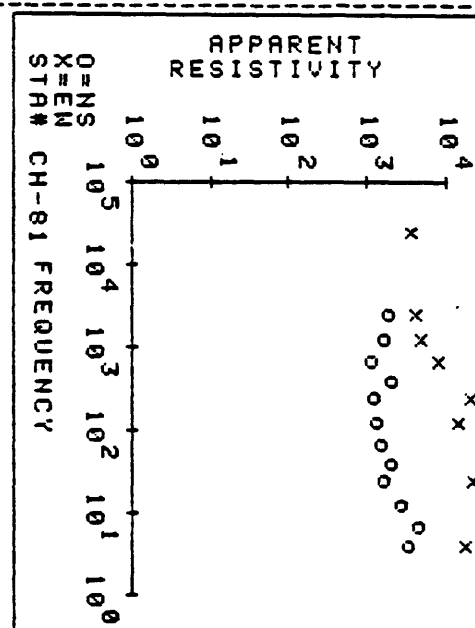


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued ..

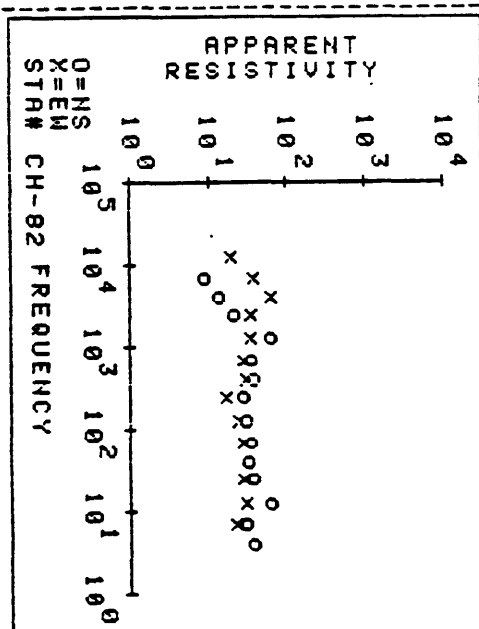
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-82 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	31.30	6	3.39
7.5	24.58	6	1.95
13.6	49.94	11	5.79
27.0	31.02	12	4.00
45.0	26.64	13	2.79
75.0	28.80	17	2.31
136.0	25.06	13	3.56
270.0	23.18	13	4.40
450.0	29.87	13	4.05
750.0	28.20	13	3.11
1360.0	49.01	15	7.46
2700.0	16.76	11	1.10
4500.0	11.32	5	4.39
7500.0	7.16	12	1.84

STATION ID_CH-82 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
7.5	18.03	13	1.77
13.6	24.92	13	2.41
27.0	22.77	15	1.30
75.0	23.56	14	2.21
136.0	19.38	13	.31
270.0	13.86	14	.26
450.0	24.67	11	3.89
750.0	22.55	12	.52
1360.0	28.32	12	1.54
2700.0	27.52	12	4.58
4500.0	49.10	14	7.89
7500.0	30.70	18	2.72
13600.0	16.22	12	1.57

OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-83 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	762.98	10	113.66
7.5	1671.30	11	258.41
13.6	1470.00	12	261.86
27.0	913.95	10	143.67
45.0	1454.60	12	261.47
75.0	1903.50	10	306.16
136.0	1325.40	11	211.15
270.0	2559.90	8	212.12
450.0	615.24	10	165.22
750.0	390.67	9	67.50
1360.0	319.73	10	54.70
2700.0	594.31	10	94.69
4500.0	200.54	12	27.77
7500.0	391.20	9	30.21
13600.0	426.88	5	39.83
27000.0	866.90	3	112.44

STATION ID_CH-83 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	1702.60	6	390.49
7.5	1153.30	7	468.27
13.6	2178.20	12	274.81
27.0	1081.60	10	153.46
45.0	1193.40	9	377.98
75.0	500.21	12	100.74
136.0	701.70	16	154.81
270.0	757.96	13	97.22
450.0	882.89	8	65.26
750.0	801.02	7	283.46
1360.0	620.97	3	129.50
2700.0	512.38	9	203.85
4500.0	634.68	8	199.44
7500.0	773.64	6	153.61
13600.0	532.22	7	54.10

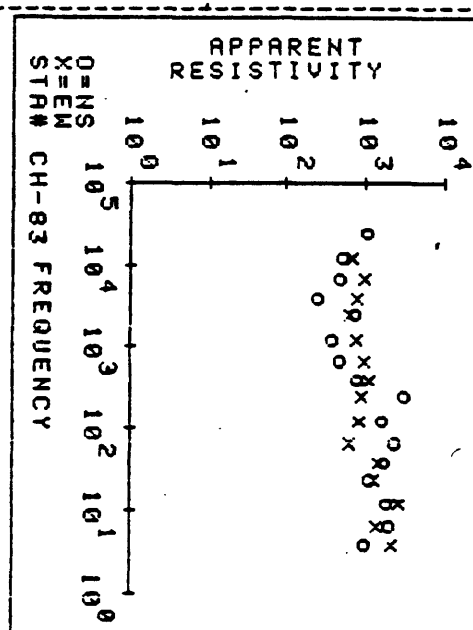
OUTPUT FROM PLOT

Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

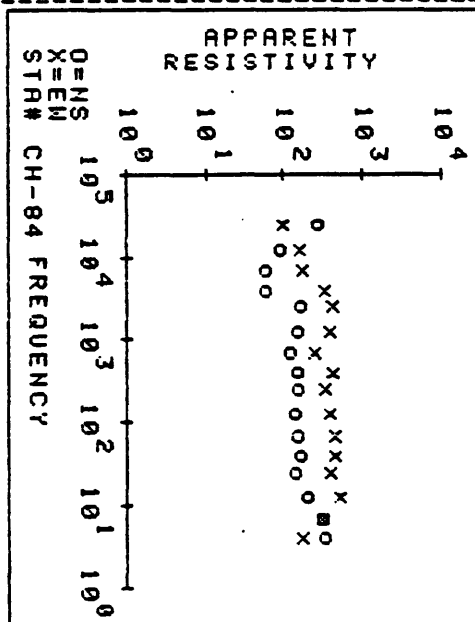
STATION ID_CH-84 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	273.02	12	42.83
7.5	252.88	11	23.43
13.6	162.94	16	7.93
27.0	110.40	16	2.34
45.0	133.21	12	11.20
75.0	120.06	12	4.26
136.0	115.72	13	1.75
270.0	124.48	10	2.52
450.0	119.13	12	4.13
750.0	100.33	15	3.65
1360.0	119.41	11	5.38
2700.0	127.21	11	6.01
4500.0	46.53	7	2.56
7500.0	46.00	16	2.29
13600.0	70.29	10	4.23
27000.0	221.73	7	14.78

STATION ID_CH-84 EW NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	141.48	4	39.99
7.5	256.31	11	29.66
13.6	401.22	12	28.96
27.0	304.54	12	34.76
45.0	363.86	12	21.21
75.0	360.21	16	34.87
136.0	303.25	14	30.04
270.0	265.91	13	13.97
450.0	335.01	15	14.37
750.0	199.30	16	22.93
1360.0	318.46	13	40.34
2700.0	331.77	9	37.64
4500.0	271.29	9	46.66
7500.0	137.50	10	8.80
13600.0	127.30	4	23.50
27000.0	77.38	6	15.08

OUTPUT FROM PLOT



OUTPUT FROM PRINT

PROJECT=COLUMBINE HONDO

STATION ID_CH-85 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	156.98	6	33.07
7.5	234.85	10	35.38
13.6	176.72	12	21.43
27.0	96.43	11	17.16
45.0	109.95	13	10.53
75.0	133.05	12	11.15
136.0	84.92	16	6.31
270.0	82.47	12	6.27
450.0	98.94	11	4.47
750.0	85.45	14	4.39
1360.0	116.13	12	6.27
2700.0	128.83	10	40.41
4500.0	62.86	7	3.98
7500.0	75.67	8	4.92
13600.0	84.31	8	25.36
27000.0	305.91	9	9.83

STATION ID_CH-85 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	500.74	5	56.54
7.5	1025.40	9	163.94
13.6	637.40	11	81.50
27.0	424.32	11	34.25
45.0	351.86	8	34.98
75.0	335.59	8	32.01
136.0	251.37	14	34.49
450.0	162.27	10	10.20
750.0	126.66	11	4.58
1360.0	144.65	11	22.09
2700.0	117.70	8	1.60
4500.0	183.05	11	23.74
7500.0	94.09	11	8.22
13600.0	46.02	9	1.36
27000.0	239.75	3	9.92

OUTPUT FROM PLOT

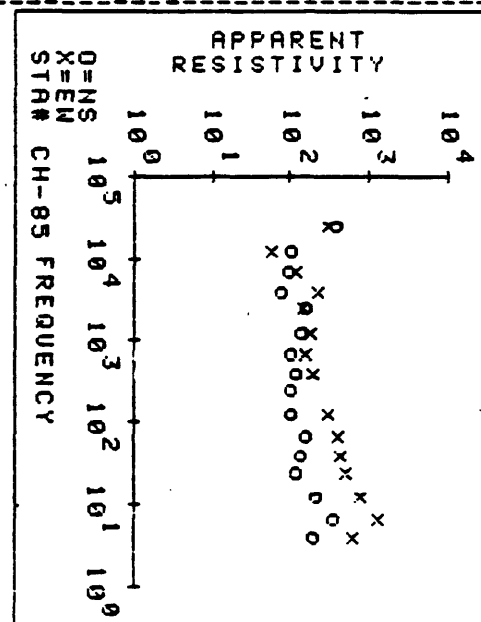


Table 1 U.S. GEOLOGICAL SURVEY A.M.T. DATA LOG - Continued

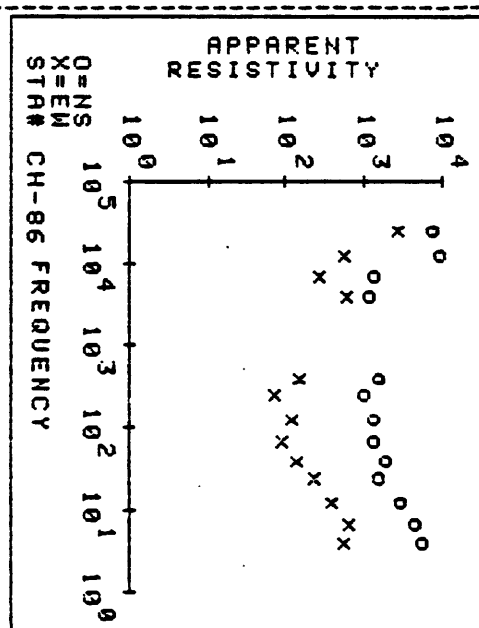
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-86 NS NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	4602.70	8	1385.20
7.5	3514.00	9	378.39
13.6	2349.60	12	212.43
27.0	1257.80	12	106.67
45.0	1551.20	12	61.59
75.0	1064.60	13	33.64
136.0	1029.60	13	35.02
270.0	771.62	13	27.86
450.0	1215.00	11	187.87
4500.0	920.12	16	71.57
7500.0	1036.00	12	127.14
13600.0	7518.30	8	838.91
27000.0	6091.50	2	631.68

STATION ID_CH-86 EW NO FREQ= 13

FREQ	AP-RES	N OBS	STD ERR
4.5	427.69	2	7.17
7.5	500.06	6	123.17
13.6	312.16	9	41.69
27.0	186.51	12	20.11
45.0	114.73	14	11.59
75.0	70.15	12	4.74
136.0	93.92	11	14.30
270.0	58.49	11	7.09
450.0	118.23	6	16.46
4500.0	475.27	12	53.63
7500.0	214.62	9	38.96
13600.0	453.78	6	53.50
27000.0	2206.30	4	60.30

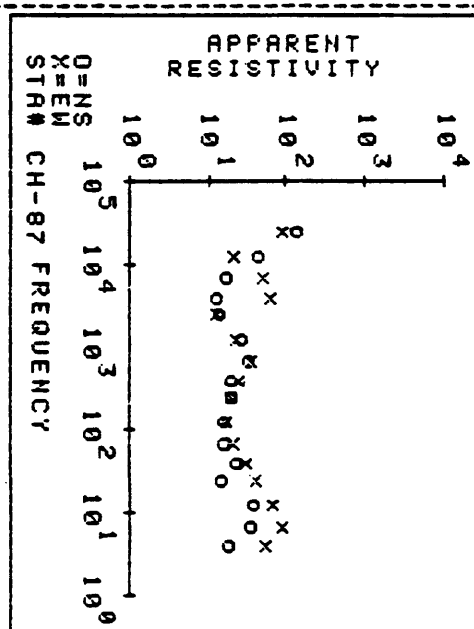
OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-87 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	15.19	8	3.11
7.5	27.75	13	1.67
13.6	30.07	13	3.69
27.0	11.85	13	.81
45.0	18.48	11	3.79
75.0	12.40	12	1.33
136.0	12.68	11	2.06
270.0	15.79	11	.87
450.0	15.52	12	1.70
750.0	26.44	9	2.19
1360.0	20.74	5	3.97
2700.0	11.41	3	2.19
4500.0	10.51	15	.94
7500.0	13.39	6	1.50
13600.0	34.07	5	4.30
27000.0	114.51	8	2.80

STATION ID_CH-87 EW NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	44.98	6	9.89
7.5	70.57	9	5.25
13.6	55.02	13	2.41
27.0	33.78	13	2.17
45.0	24.86	12	1.44
75.0	17.56	12	1.34
136.0	13.38	4	1.80
270.0	15.83	12	1.79
450.0	19.89	8	2.10
750.0	28.21	15	2.06
1360.0	17.98	9	2.16
2700.0	10.39	5	1.40
4500.0	49.89	15	6.45
7500.0	40.72	10	3.42
13600.0	16.90	6	2.61
27000.0	73.80	6	5.95

OUTPUT FROM PLOT

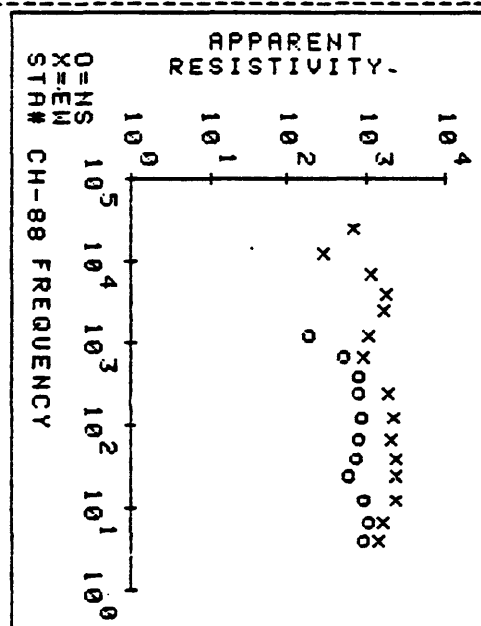
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-88 NS NO FREQ= 11

FREQ	AP-RES	N	OBS	STD ERR
4.5	731.39	8		189.74
7.5	867.76	12		73.73
13.6	761.84	14		44.81
27.0	477.93	8		24.35
45.0	592.97	14		24.59
75.0	641.43	13		10.25
136.0	675.67	14		23.30
270.0	618.73	13		44.21
450.0	657.45	14		37.04
750.0	401.62	10		34.21
1360.0	146.69	7		35.50

STATION ID_CH-88 EW NO FREQ= 15

FREQ	AP-RES	N	OBS	STD ERR
4.5	1124.90	9		134.34
7.5	1303.30	11		102.93
13.6	1904.30	7		140.75
27.0	1858.70	12		76.09
45.0	1877.20	9		105.38
75.0	1681.40	12		77.56
136.0	1726.40	10		33.29
270.0	1512.80	13		232.79
450.0	760.75	10		64.11
750.0	854.03	11		87.08
1360.0	1281.80	4		196.21
2700.0	1415.90	4		112.97
7500.0	986.21	6		80.57
13600.0	226.43	5		39.01
27000.0	531.24	3		58.19

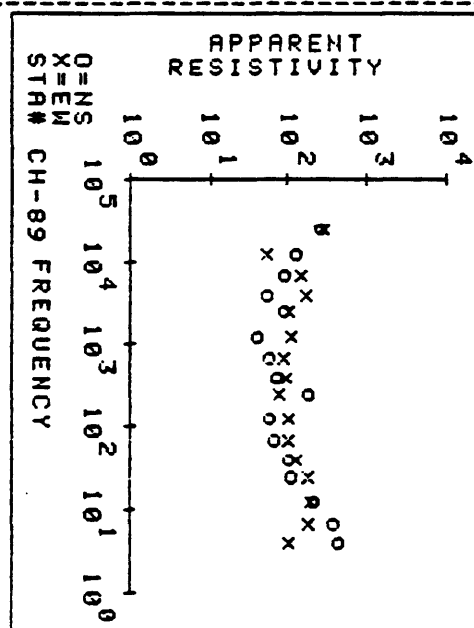
OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-89 NS NO FREQ= 16

FREQ	AP-RES	N	OBS	STD ERR
4.5	344.63	8		31.92
7.5	319.70	9		16.50
13.6	173.68	12		7.90
27.0	90.05	11		2.50
45.0	82.72	11		2.39
75.0	55.82	11		1.01
136.0	47.77	11		1.33
270.0	149.27	10		33.97
450.0	59.44	13		1.38
750.0	45.95	12		1.30
1360.0	31.82	10		3.23
2700.0	70.26	12		8.80
4500.0	42.34	14		8.10
7500.0	73.90	11		3.54
13600.0	106.38	8		7.57
27000.0	212.96	6		7.13

STATION ID_CH-89 EW NO FREQ= 16

FREQ	AP-RES	N	OBS	STD ERR
4.5	83.11	5		12.51
7.5	145.63	9		13.54
13.6	164.37	12		14.28
27.0	146.37	11		8.57
45.0	106.43	15		2.19
75.0	86.51	10		3.97
136.0	82.27	7		6.69
270.0	63.72	8		3.06
450.0	77.99	12		6.21
750.0	71.72	12		3.82
1360.0	90.66	11		6.96
2700.0	85.68	8		11.78
4500.0	137.15	10		19.59
7500.0	120.85	11		6.16
13600.0	44.72	9		5.48
27000.0	229.82	8		9.59

OUTPUT FROM PLOT

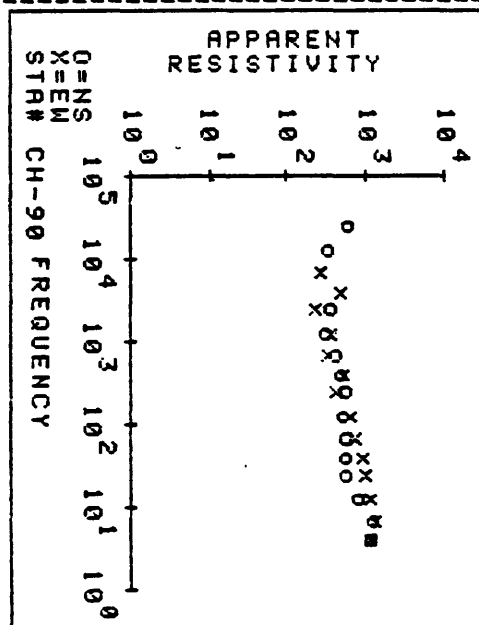
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-90 NS NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	886.73	7	152.20
7.5	953.89	10	163.67
13.6	625.48	11	46.18
27.0	448.21	12	27.23
45.0	443.47	10	12.39
75.0	432.27	13	12.15
136.0	406.32	11	9.95
270.0	432.16	11	42.48
450.0	373.19	11	26.38
750.0	330.05	10	19.22
1360.0	254.77	12	8.93
2700.0	282.09	8	62.30
13600.0	265.58	4	39.84
27000.0	492.21	3	26.13

STATION ID_CH-90 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	891.99	4	235.21
7.5	1093.50	7	70.93
13.6	929.66	10	124.79
27.0	805.49	12	35.43
45.0	727.73	12	28.71
75.0	607.48	15	19.84
136.0	500.97	14	22.23
270.0	335.79	11	42.21
450.0	421.26	9	38.23
750.0	273.71	11	64.48
1360.0	285.52	9	43.20
2700.0	186.58	11	15.54
4500.0	394.43	10	52.96
7500.0	209.63	6	7.13

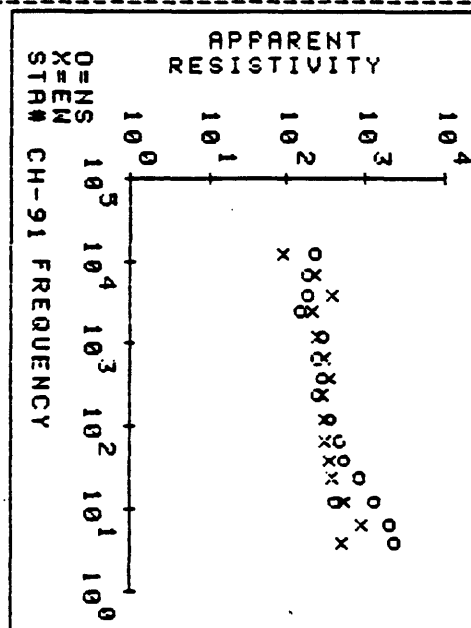
OUTPUT FROM PLOT-----
OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-91 NS NO FREQ= 16

FREQ	AP-RES	N OBS	STD ERR
4.5	1860.00	7	438.77
7.5	1682.90	10	125.35
13.6	1040.30	12	72.28
13.6	326.30	10	28.83
27.0	661.15	10	180.27
45.0	444.92	10	18.50
75.0	391.49	14	31.45
136.0	284.40	10	38.90
270.0	202.33	16	19.12
450.0	234.89	10	16.06
750.0	193.67	11	10.63
1360.0	228.45	11	18.20
2700.0	120.80	8	25.32
4500.0	153.96	8	18.88
7500.0	145.03	10	8.02
13600.0	191.16	7	10.33

STATION ID_CH-91 EW NO FREQ= 15

FREQ	AP-RES	N OBS	STD ERR
4.5	427.08	6	54.05
7.5	758.84	7	70.98
13.6	428.98	10	59.25
27.0	307.35	11	11.99
45.0	287.36	11	16.19
75.0	241.59	11	16.96
136.0	247.75	13	16.72
270.0	228.19	14	12.54
450.0	281.65	3	6.16
750.0	240.50	10	11.53
1360.0	199.16	13	7.73
2700.0	175.55	11	10.47
4500.0	312.10	10	12.72
7500.0	182.99	7	8.71
13600.0	74.38	7	3.54

OUTPUT FROM PLOT

OUTPUT FROM PRINT-----
PROJECT=COLUMBINE HONDO

STATION ID_CH-92 NS NO FREQ= 11

FREQ	AP-RES	N OBS	STD ERR
4.5	1792.20	9	212.82
7.5	1704.20	11	192.04
13.6	1265.10	10	127.87
27.0	768.86	12	71.60
45.0	934.46	12	75.36
75.0	705.63	9	93.46
136.0	520.11	12	44.75
270.0	516.98	11	34.47
450.0	503.45	12	30.56
750.0	357.46	11	19.86
2700.0	521.57	10	61.07

STATION ID_CH-92 EW NO FREQ= 14

FREQ	AP-RES	N OBS	STD ERR
4.5	770.19	12	59.99
7.5	677.95	12	32.82
13.6	475.05	11	18.97
27.0	308.96	14	11.71
45.0	279.00	18	6.74
75.0	239.03	12	7.48
136.0	214.64	12	4.98
270.0	192.98	13	6.72
450.0	235.40	16	5.44
750.0	193.09	14	8.55
2700.0	236.94	12	18.46
4500.0	215.47	10	8.39
13600.0	70.11	11	1.57
27000.0	693.74	3	17.99

OUTPUT FROM PLOT