



MAGNETOTELLURIC SURVEY TO LOCATE THE ARCHEAN/PROTEROZOIC SUTURE ZONE IN NORTH EASTERN NEVADA

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**U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY**

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INTRODUCTION

The Great Basin is part of the Basin and Range province covering a large part of Western United States. Many sediment-hosted gold deposits occur along linear trends in the Great Basin. The distribution and genesis of these deposits in the Great Basin is not fully understood. In general, most models agree that regional structures played an important role in the spatial distribution of these deposits (e.g. Arehart and others, 1993; Ilchik and Barton, 1997; Radtke, 1985; Shawe, 1991; Sillitoe and Bonham, 1990; Tosdal, 1998). To investigate crustal structures that may be related to the genesis of gold deposits in the Great Basin, a regional south-north profile of magnetotelluric (MT) soundings was acquired in 2003 ([Figure 1](#)). Resistivity modeling of the MT data can be used to investigate buried structures or sutures that may have influenced subsequent tectonism, sedimentation, and regional fluid flow. The goal of this survey is to infer the location of the Archean/Proterozoic suture zone in north-eastern Nevada. The purpose of this report is to release the MT sounding data; no interpretation of the data is included.

MAGNETOTELLURIC METHOD

The magnetotelluric (MT) method is a passive surface geophysical technique, which uses the earth's natural electromagnetic fields to investigate the electrical resistivity structure of the subsurface. The resistivity of geologic units is largely dependent upon their fluid content, porosity, degree of fracturing, temperature, and conductive mineral content (Keller, 1989). Saline fluids within the pore spaces and fracture openings can reduce resistivities in a resistive rock matrix. Also, resistivity can be lowered by the presence of conductive clay minerals, carbon, and metallic mineralization. It is common for altered volcanic rocks to contain authigenic minerals that have resistivities ten times lower than those of the surrounding rocks (Nelson and Anderson, 1992). Increased temperatures cause higher ionic mobility and mineral activation energy, reducing rock resistivities significantly. Unaltered, unfractured igneous rocks are moderately to highly resistive (hundreds to thousands of ohm-m), whereas fault zones will show low resistivity (less than 100 ohm-m) when they are comprised of rocks fractured enough to have hosted fluid transport and consequent mineralogical alteration (Eberhart-Phillips and others, 1995). Carbonate rocks are moderately to highly resistive (hundreds to thousands of ohm-m) depending upon their fluid content, porosity, fracturing, and impurities. Marine shales, mudstones, and clay-rich alluvium are normally very conductive (a few ohm-m to tens of ohm-m). Unaltered, metamorphic rocks (non-graphitic) are moderately to highly resistive (hundreds to thousands of ohm-m). Tables of electrical

resistivity for a variety of rocks, minerals and geological environments may be found in Keller (1987) and Palacky (1987).

The MT method can be used to probe the crust from depths of tens of meters to depths of tens of kilometers (Vozoff, 1991). Natural variations of the Earth's magnetic and electric fields are measured and recorded at each MT station. The primary frequency bands used by the MT method are 10,000 Hz to 1 Hz from worldwide lightning activity and 1 Hz to 0.0001 Hz from geomagnetic micro-pulsations. The natural electric and magnetic fields propagate vertically in the earth because the very large resistivity contrast between the air and the earth causes a vertical refraction of both fields transmitted into the earth (Vozoff, 1972).

The natural electric and magnetic fields are recorded in two orthogonal, horizontal directions. The vertical magnetic field is also recorded. The resulting time-series signals are used to derive the tensor apparent resistivities and phases. First, the signals are converted to complex cross-spectra using fast-Fourier-transform (FFT) techniques. Then, least-squares, cross-spectral analysis (Bendat and Piersol, 1971) is used to solve for a transfer function that relates the observed electric fields to the magnetic fields under the assumption that the Earth consists of a two-input, two-output, linear system with the magnetic fields as input and the electric fields as output. Prior to conversion to apparent resistivity and phase, the tensor is normally rotated into principal directions that correspond to the direction of maximum and minimum apparent resistivity. For a two-dimensional (2-D) Earth, the MT fields can be de-coupled into transverse electric (TE) and transverse magnetic (TM) modes; 2-D modeling is generally done to fit both modes. When the geology satisfies the 2-D assumption, the MT data for the TE mode is for the electric field parallel to geologic strike, and the data for the TM mode is for the electric field across strike. The MT method is well suited for studying complicated geological environments because the electric and magnetic relations are sensitive to vertical and horizontal variations in resistivity. The method is capable of establishing whether the electromagnetic fields are responding to subsurface terranes of effectively 1-, 2-, or 3-dimensions. An introduction to the MT method and references for a more advanced understanding are contained in Dobrin and Savit (1988) and Vozoff (1991).

MAGNETOTELLURIC SURVEY

Twenty-five stations roughly 10 km apart were collected starting north of Cobre, Nevada, then continuing south along Goshute Valley, Antelope Valley and Spring Valley ending just south of Highway 894 and Robinson Ranch. The station locations were chosen to cross the Archean/Proterozoic suture zone. The location of the suture zone is inferred from unpublished basement

gravity maps (Grauch, 2003). Station locations were selected near roads for easy access and avoiding electrical noise, such as power lines. All stations were collected with a portable EMI MT-1 system (EMI, 1996). Horizontal electric fields were sensed using copper sulfate porous pots placed in an L-shaped, three-electrode array with dipole lengths of 30 m. The orthogonal, horizontal magnetic fields in the direction of the electric field measurement array were sensed using permalloy-cored induction coils. Frequencies sampled ranged from 70 to .009 Hz using single station recordings of both orthogonal horizontal components of the electric and magnetic fields, along with the vertical magnetic field.

The following table lists the twenty-five MT station locations as recorded using a global positioning system during field acquisition. Coordinates are referenced to the 1866 Clarke spheroid and North American 1927 Western United States datum. Longitude and latitude format is degrees:minutes:seconds. Universal Transverse Mercator units are in meters. Station elevation is given in meters. The accuracy of the x, y, and z component is + or - 5 meters.

<u>Station</u>	<u>Longitude</u>	<u>Latitude</u>	UTM <u>North (m)</u>	UTM <u>East (m)</u>	<u>Elev (m)</u>
1	-114:25:29	41:11:30	4,563,017	11,715,975	1911
2	-114:26:55	41:02:21	4,546,044	11,714,473	1760
3	-114:28:20	40:58:52	4,539,519	11,712,676	1727
4	-114:24:36	40:52:02	4,527,032	11,718,265	1714
5	-114:21:59	40:47:13	4,518,217	11,722,222	1723
6	-114:21:21	40:41:51	4,508,329	11,723,409	1739
7	-114:20:45	40:36:45	4,498,906	11,724,549	1730
8	-114:22:14	40:31:04	4,488,338	11,722,758	1712
9	-114:20:26	40:25:37	4,478,334	11,725,620	1727
10	-114:18:00	40:20:39	4,469,259	11,729,341	1717
11	-114:19:10	40:15:00	4,458,734	11,727,997	1734
12	-114:18:25	40:09:15	4,448,121	11,729,370	1770
13	-114:17:08	40:03:51	4,438,185	11,731,515	1794
14	-114:17:30	39:58:28	4,428,231	11,731,292	1785
15	-114:20:19	39:52:50	4,417,691	11,727,593	1730
16	-114:19:57	39:47:31	4,407,858	11,728,413	1727
17	-114:19:40	39:42:18	4,398,211	11,729,110	1861
18	-114:20:30	39:36:57	4,388,278	11,728,205	1863
19	-114:22:00	39:31:21	4,377,851	11,726,369	1722
20	-114:23:11	39:26:12	4,368,302	11,724,936	1706
21	-114:21:14	39:20:49	4,358,424	11,728,034	1721
22	-114:24:16	39:15:35	4,348,615	11,723,941	1733
23	-114:24:43	39:10:55	4,339,945	11,723,548	1770
24	-114:26:01	39:04:39	4,328,289	11,722,002	1815
25	-114:30:42	38:56:50	4,313,649	11,715,649	1811

MAGNETOTELLURIC DATA

The recorded time-series data were transformed to the frequency domain and processed to determine a two-dimensional apparent resistivity and phase tensor at each site. Rotation of the impedance tensor to maximum and minimum directions allows for decoupling into the TE and TM modes.

Although true remote reference techniques were not used in our survey, we did sort cross-power files to select optimal signal-to-noise time series data sets (see Appendix).

The effects of near-surface resistivity anomalies cause "static shifts" (Sternberg et al., 1988) in the data. Static shift is significant in stations 17 and 25 and less significant in stations 6, 8, and 18. Cultural features can affect the response of the MT system. Fences, pipelines, communication lines, railways and other man-made conductors can contaminate the responses.

The figures in the Appendix represent the field-processed MT data for each station after the time series data were converted to the frequency domain as described above in the "Magnetotelluric Method" section.

For each station, eight separate plots are given:

1. Apparent Resistivity
2. Impedance Phase
3. Impedance Skew
4. Multiple Coherency
5. Impedance Polar Plots
6. Tipper Magnitude
7. Tipper Strike
8. HzHx and HzHy Coherency

Error bars on the Apparent Resistivity, Impedance Phase, Skew, Tipper Magnitude, and Tipper Strike plots represent probable errors within one standard deviation of the sample variance (Gamble and others, 1979).

Apparent resistivity is calculated from the ratio of the electric field strength magnitude over the magnetic field strength magnitude for a given frequency. The impedance phase is proportional to the slope of the apparent resistivity curve on a log-log plot, but from a baseline at -45 degrees (Vozoff, 1991). A measure of the dimensionality for MT data is provided by the impedance skew of the impedance tensor (Vozoff, 1972). If the effective measured resistivity response to the geology beneath a MT station is truly 1-D or 2-D, then the skew will be zero. Both instrument and environmental sources of noise contribute to non-zero skew values, but are typically small (about 0.1) for relatively low noise level recordings. Higher skews (above 0.2) are an indication of either the resistivity response to 3-D geology or higher levels of noise. Local man-made electrical

noise, such as power lines, power generators, moving vehicles and trains, produce an incoherent noise mainly affecting frequencies above 1 Hz. Other man-made electrical noise, such as direct current electric trains and active cathodic protection of pipelines produce coherent electromagnetic signals mainly affecting frequencies below 1 Hz.

In the survey area, noise from a number of small power lines and small moving vehicles was negligible at distances of 0.4 km and greater from the noise source. Power line levels were measured at each site and were typically less than 20 percent of the maximum recordable signals. Noise from larger power lines, power generators, pipelines, and trains was negligible at distances greater than 5 km from those noise sources. Local lightning, wind, and rainstorms can also degrade data quality. These were avoided by not recording during active thunderstorm periods, burying the magnetic induction coils and keeping the electric dipole wires flat on the ground surface minimizing wind noise.

Predicted values of the electric field can be computed from the measured values of the magnetic field (Vozoff, 1991). The coherence of the predicted electric field with the measured electric field is a measure of the signal-to-noise ratio provided in the multiple coherency plots. Values are normalized between 0 and 1, where values at 0.5 signify signal levels equal to noise levels. For this data set, coherencies were generally at an acceptable level, except at times in the frequency range "dead band" (.1 to 5 Hz).

The figures in the Appendix represent the field-processed MT data at each station, which includes some data scatter and poor signal-to-noise ratios. Our only effort at removing noisy data points was to visually inspect and select the best signal-to-noise field data to combine into the final data plots.

The impedance polar plots provide a measure of the MT data dimensionality (Reddy and others, 1977). For 1-D resistivity structures, the principal impedance polar diagram (dashed line) is a circle. For 2-D or 3-D resistivity structures, the principal impedance polar diagram (dashed line) elongates either parallel or perpendicular to strike direction. Over resistors, the principal impedance polar diagram elongates perpendicular to strike direction and over conductors, the principal impedance polar diagram elongates parallel to strike direction. Also, for 2-D resistivity structures, the additional impedance polar diagram (solid line) attains the shape of a symmetric clover leaf. For 3-D resistivity structures, the additional impedance polar diagram (solid line) elongates in one direction and its amplitude is comparable to that of the principal impedance polar diagram (dashed line). Stations 1, 3, 7, 9, 11, 15, 16, and 23 indicate a 3-D response below 0.3Hz, while station 24 indicates a 3-D response below 4.8Hz, and station 25 indicates a 3-D response over all frequencies.

The tipper can be calculated when the vertical component of the magnetic field is measured. The tipper magnitude is a measure of the tipping of the magnetic field out of the horizontal plane (Vozoff, 1991). The magnitude is zero for the 1-D case and typically increases between 0.1 to 0.5, and rarely as great as 1, as it responds to vertical and sub-vertical structures. The tipper strike is typically used to help resolve the 90-degree ambiguity in the impedance rotation angle. The tipper magnitude of most of these stations was typically 0.1 to 0.6 over the lower frequencies indicating some vertical structure at depth, with the exception of stations 19 and 21-25 having higher tipper magnitudes indicating larger vertical structure at depth. The HzHx and HzHy coherency is a measure of the signal-to-noise ratio of the vertical magnetic field with respect to each of the orthogonal horizontal magnetic field directions. Values are normalized between 0 and 1, where values at 0.5 signify signal levels equal to noise levels. These three-component magnetic field coherencies provide a check on the signal-to-noise ratio of the measured values in the tipper magnitude and tipper strike plots.

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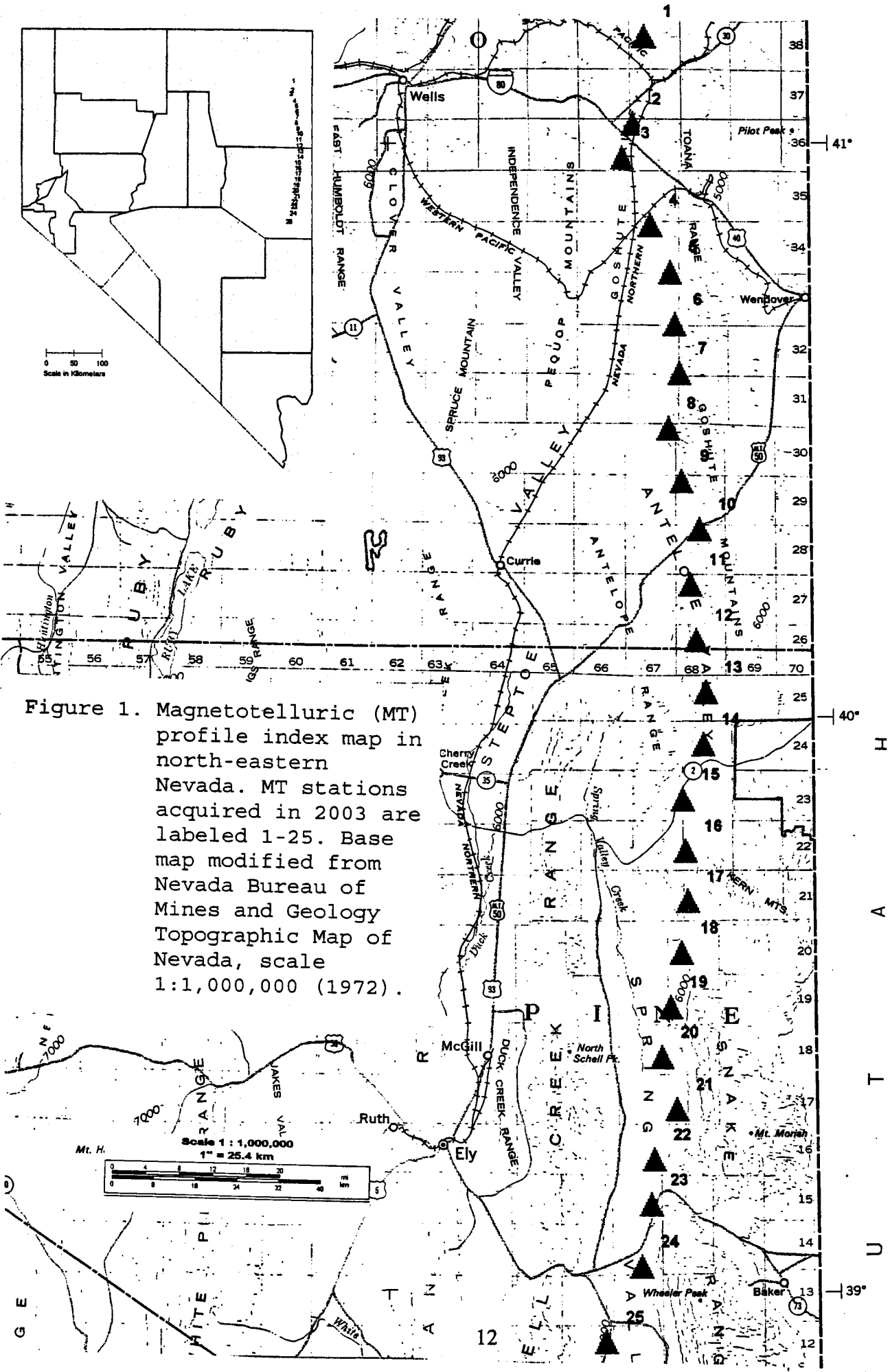
APPENDIX

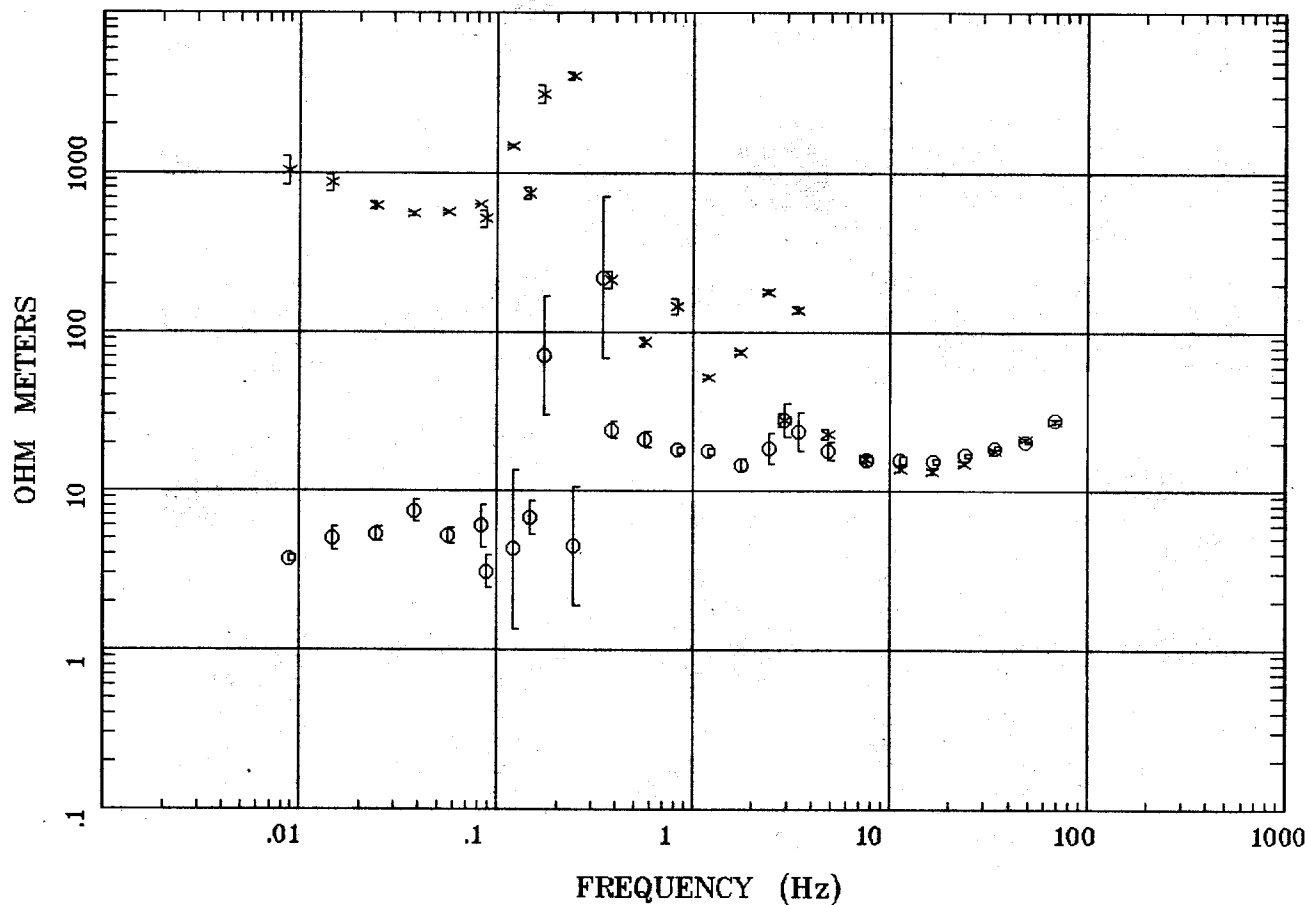
MAGNETOTELLURIC DATA PLOTS

There are eight separate plots for each station:

1. Apparent Resistivity for the rotated maximum (x symbol) and minimum (o symbol) modes
2. Impedance Phase for the rotated maximum (x symbol) and minimum (o symbol) modes
3. Impedance Skew for the impedance tensor
4. Multiple Coherency for the rotated maximum (x symbol) and minimum (o symbol) modes of the electric field
5. Impedance Polar Plots (at 12 selected frequencies), for principal impedance (dashed line) and additional impedance (solid lines)
6. Tipper Magnitude for the vertical magnetic field
7. Tipper Strike for the vertical magnetic field
8. HzHx (x symbol) and HzHy (o symbol) Coherency

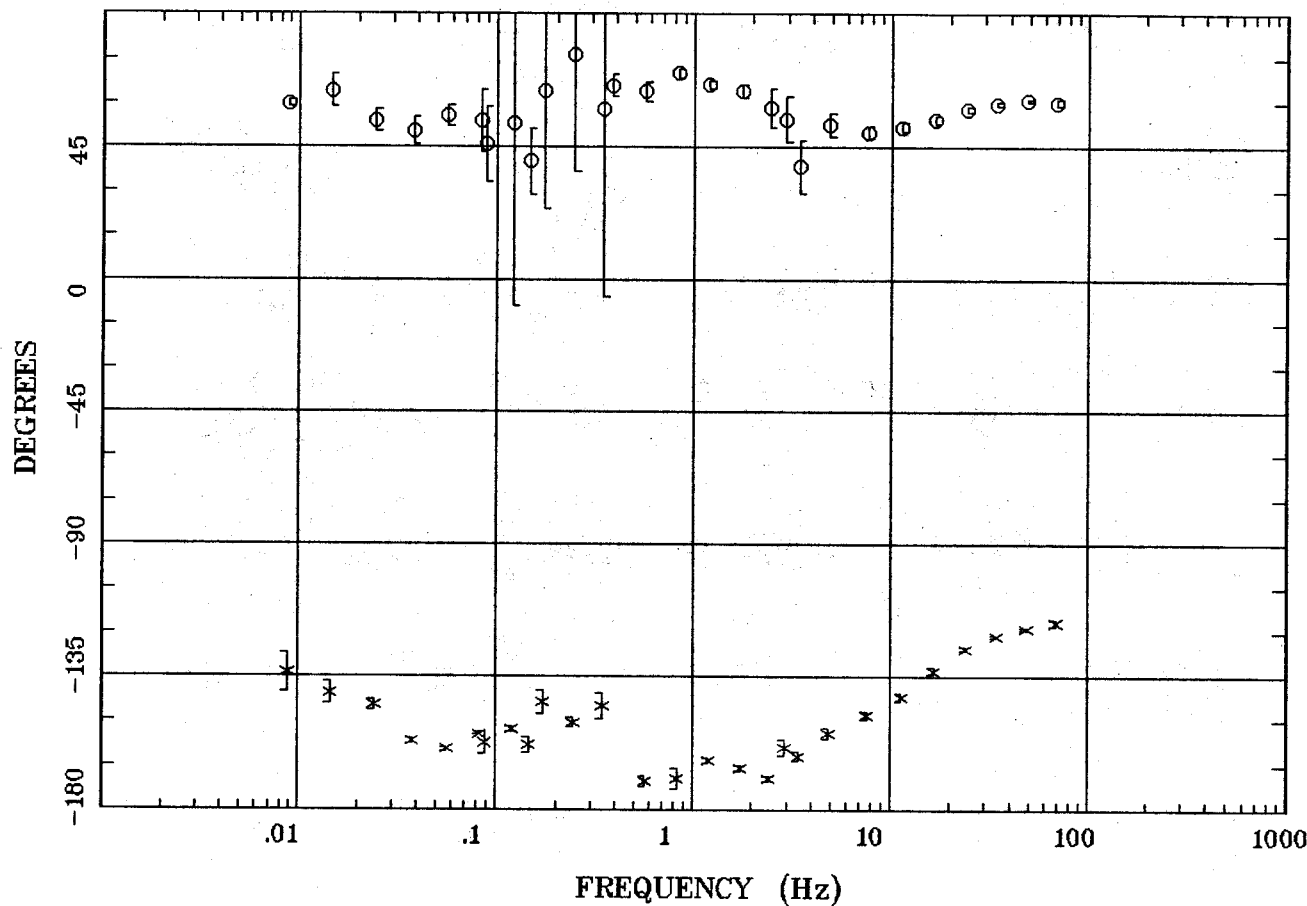
Refer to the "Magnetotelluric Data" section in this report for an explanation of these plots.





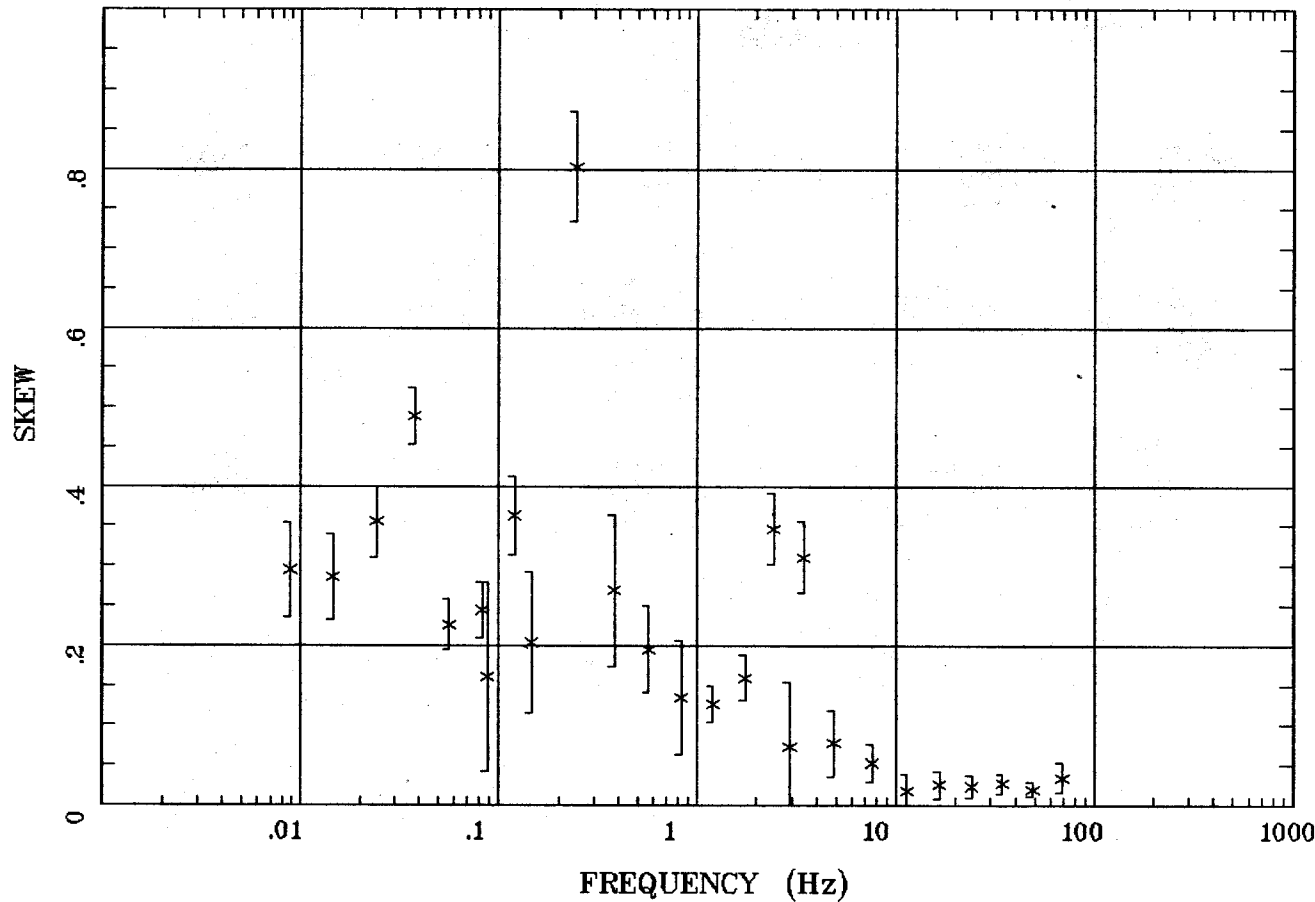
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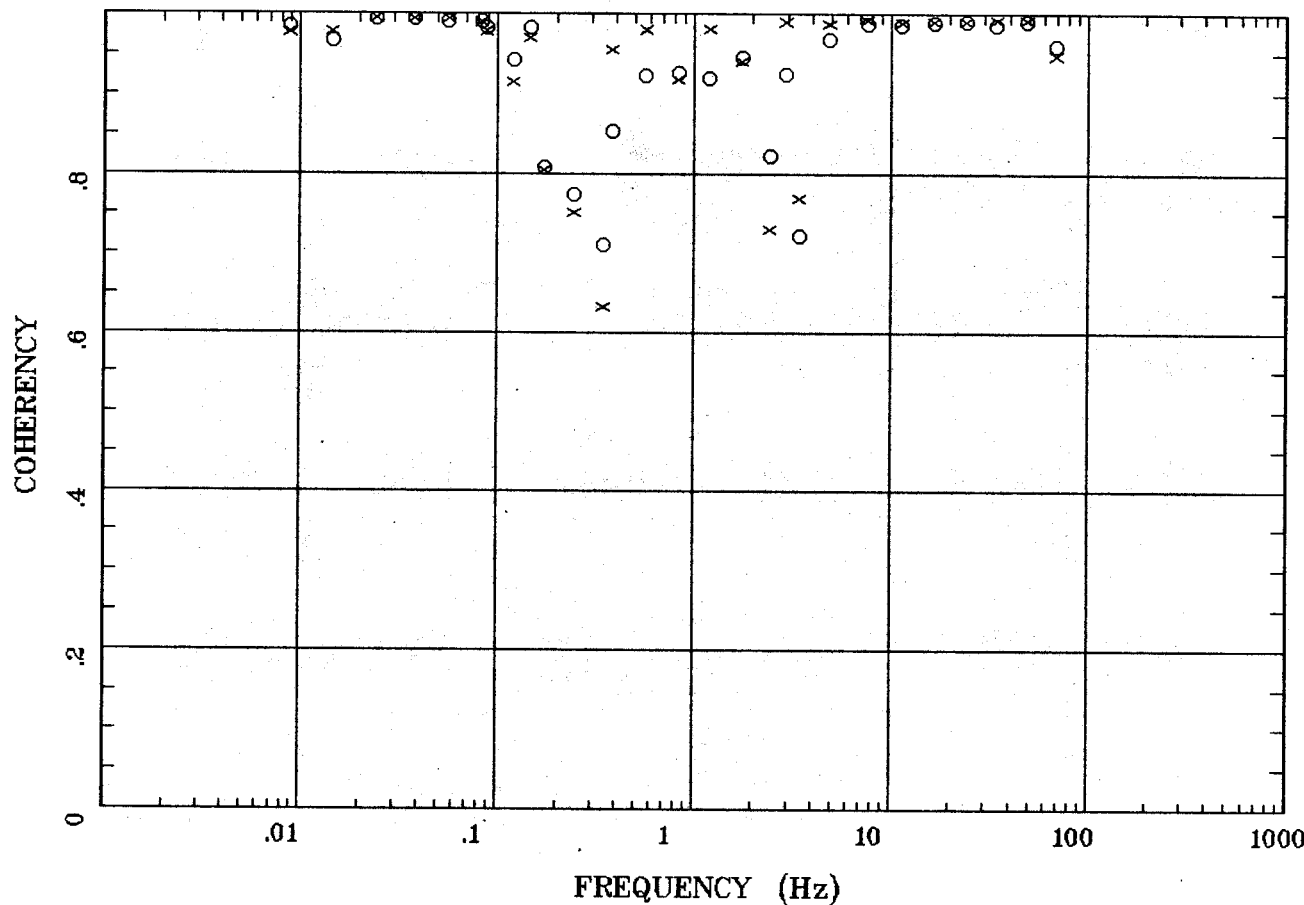
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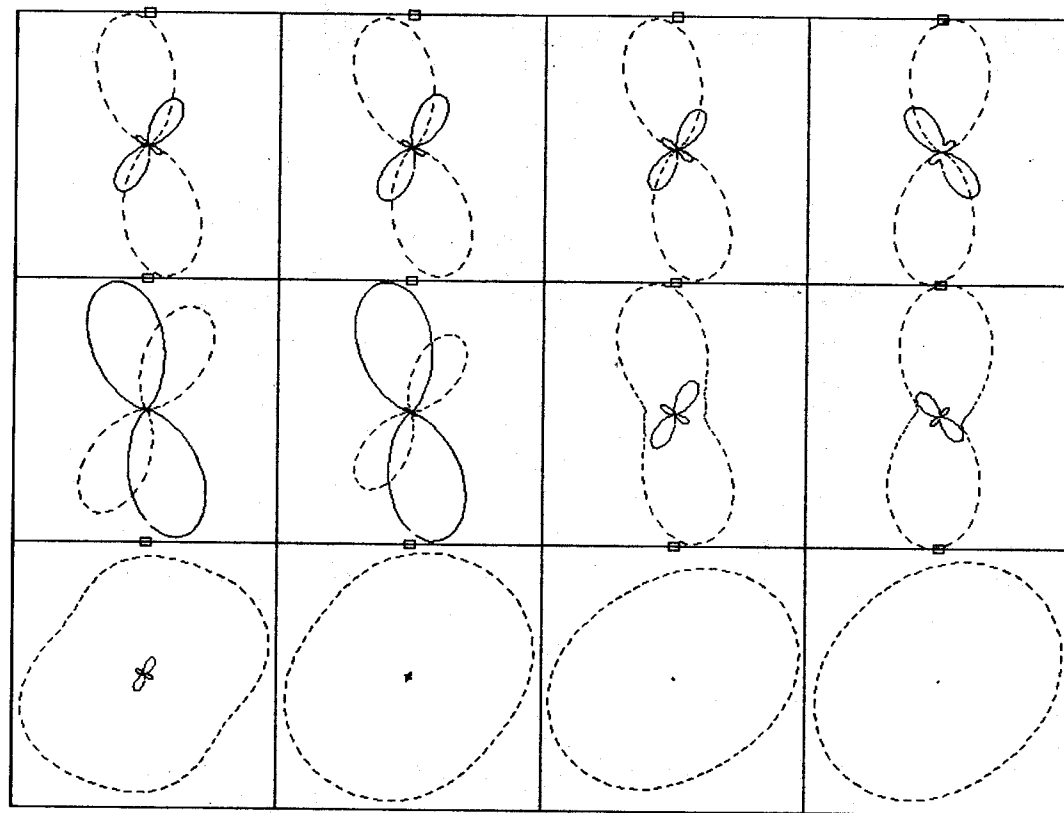
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.0244 Hz

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.120 Hz

.172 Hz

.345 Hz

.566 Hz

1.758 Hz

2.930 Hz

7.617 Hz

16.602 Hz

34.375 Hz

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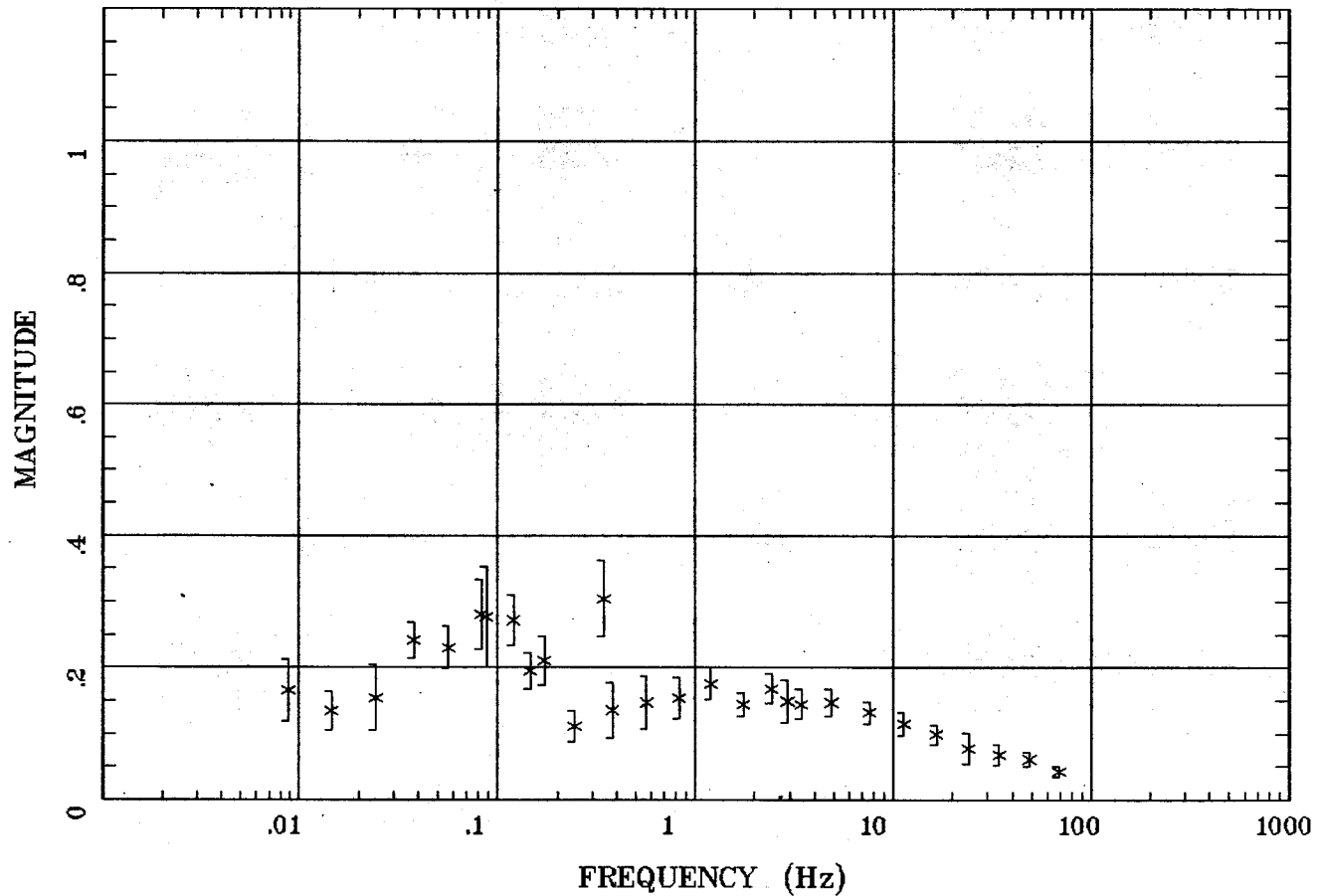
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TIPPER MAGNITUDE

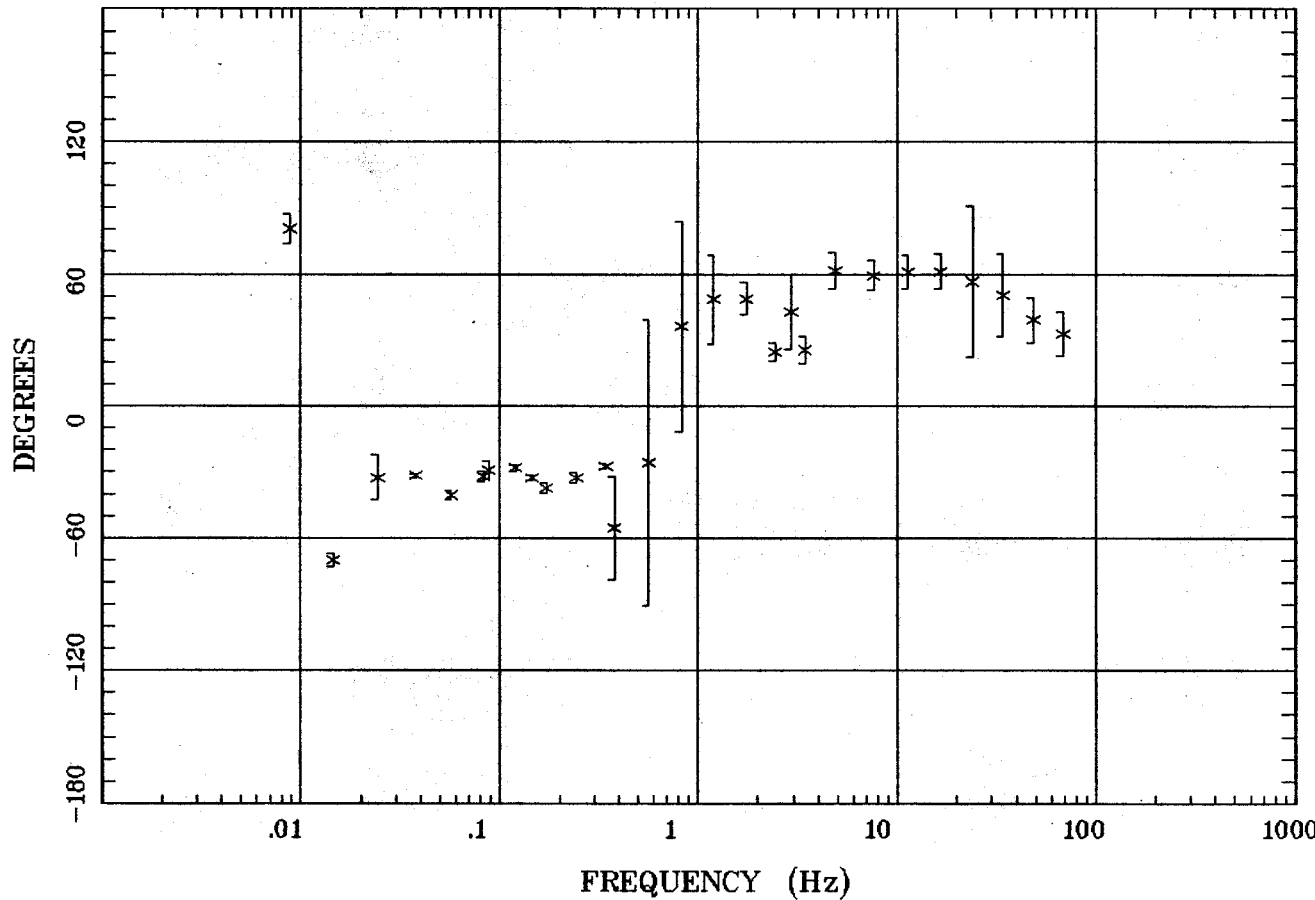
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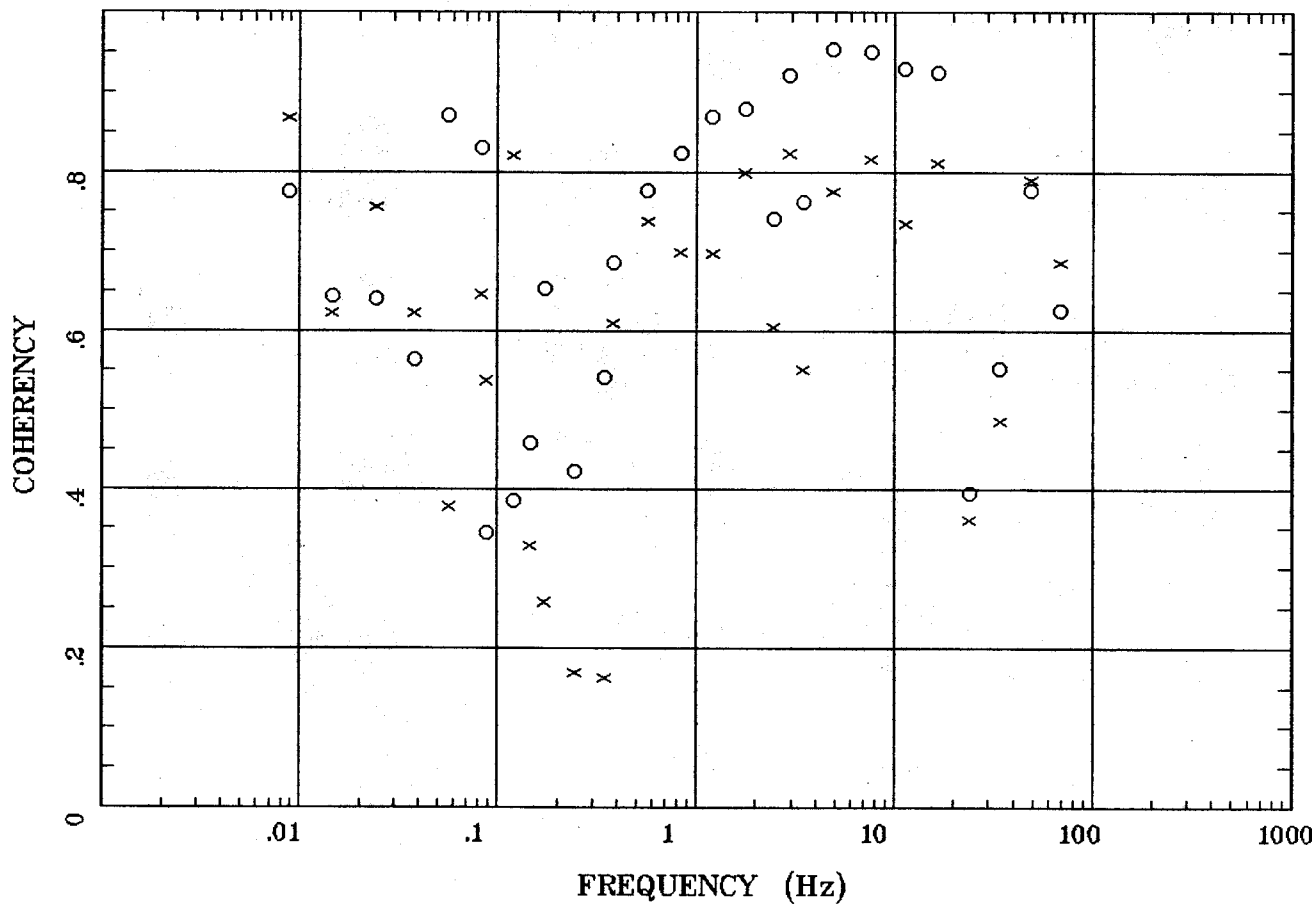
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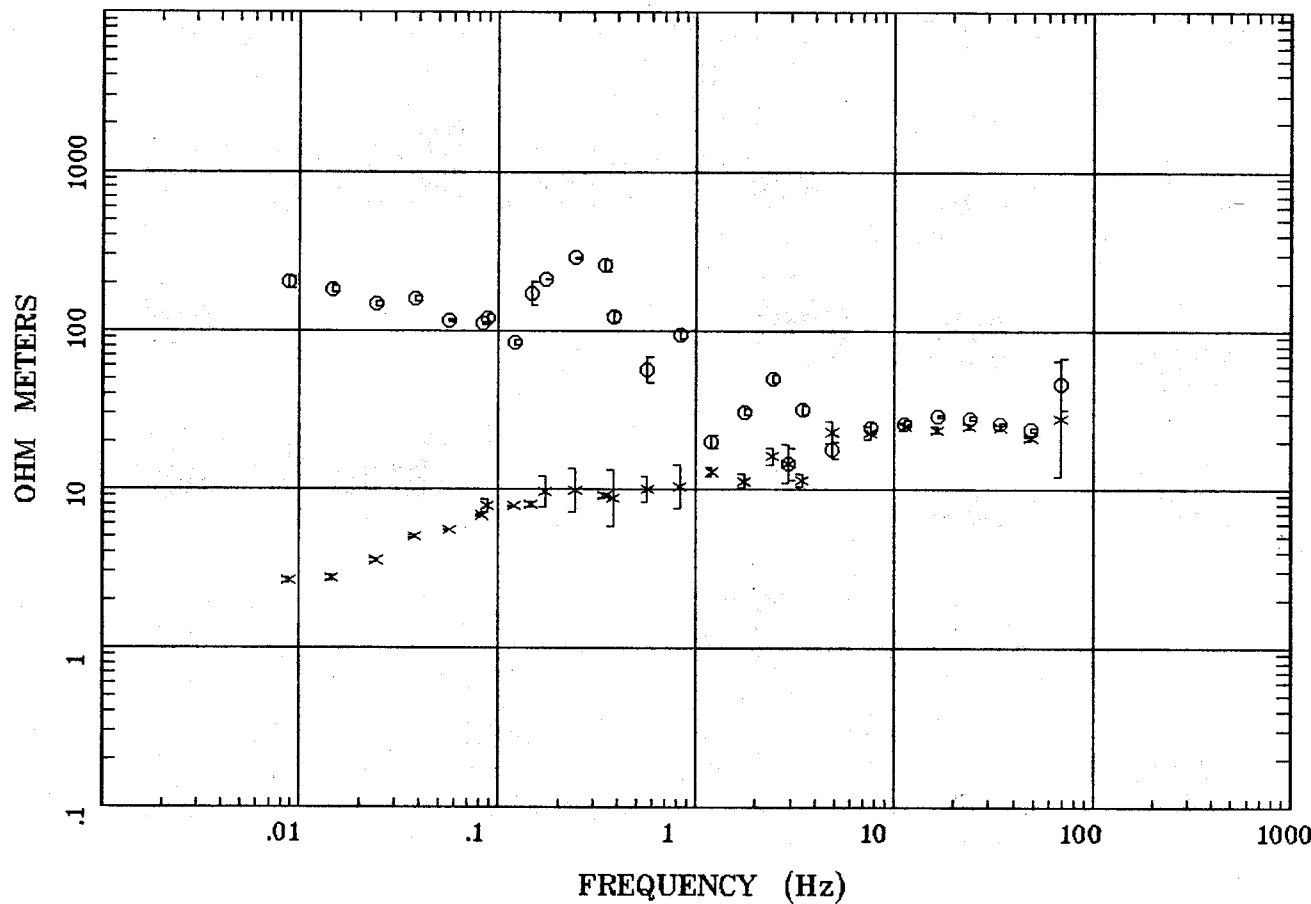
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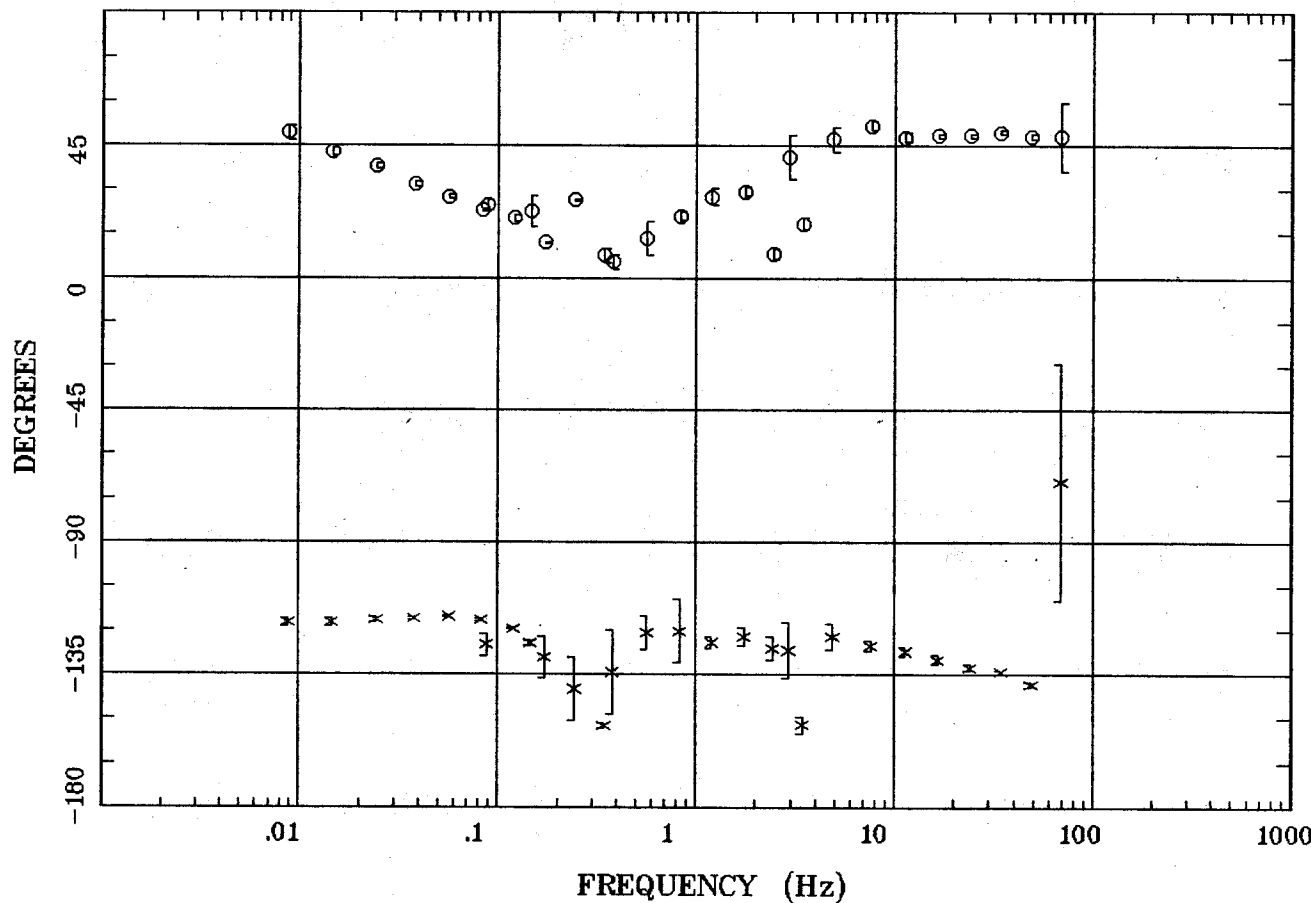
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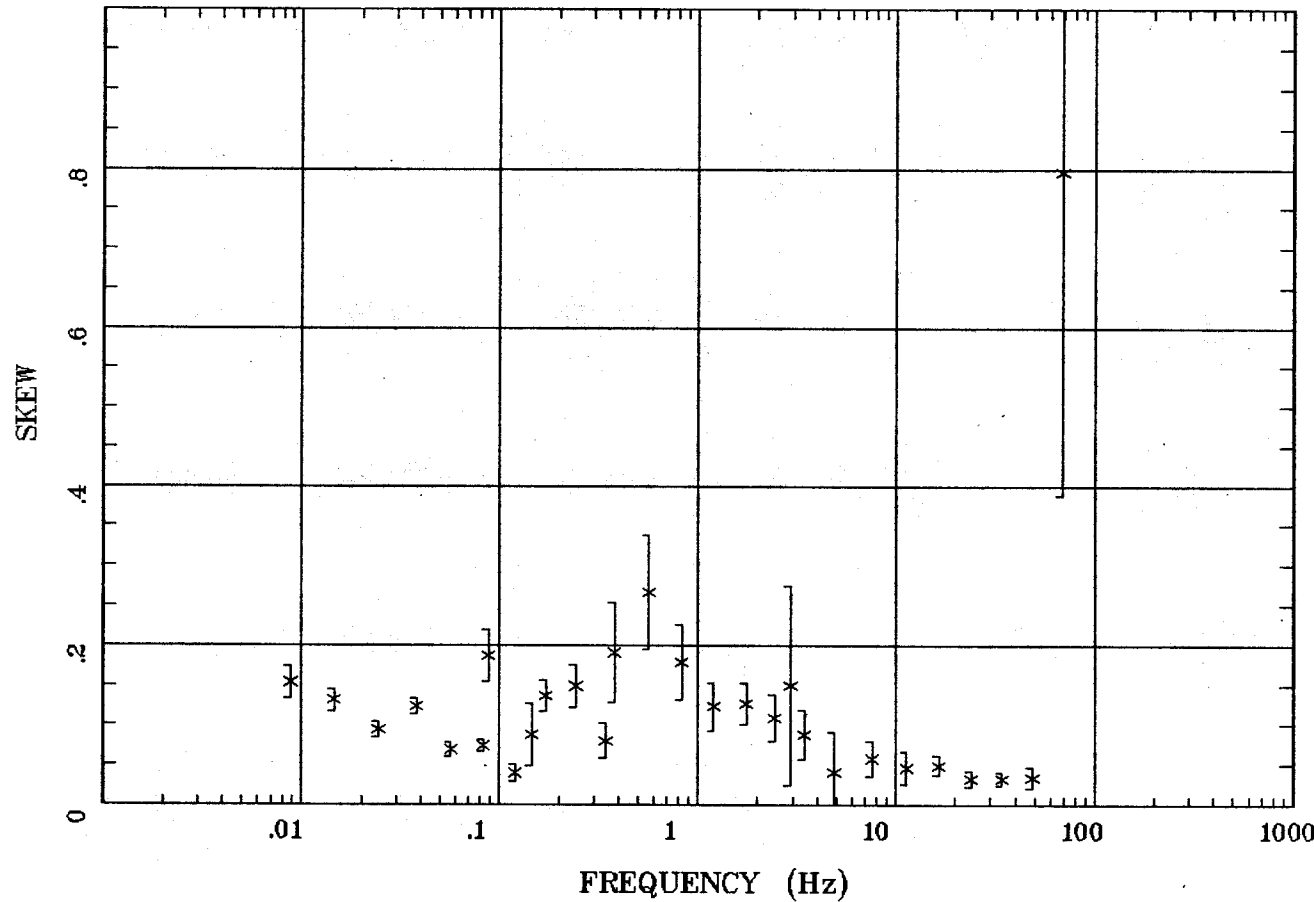
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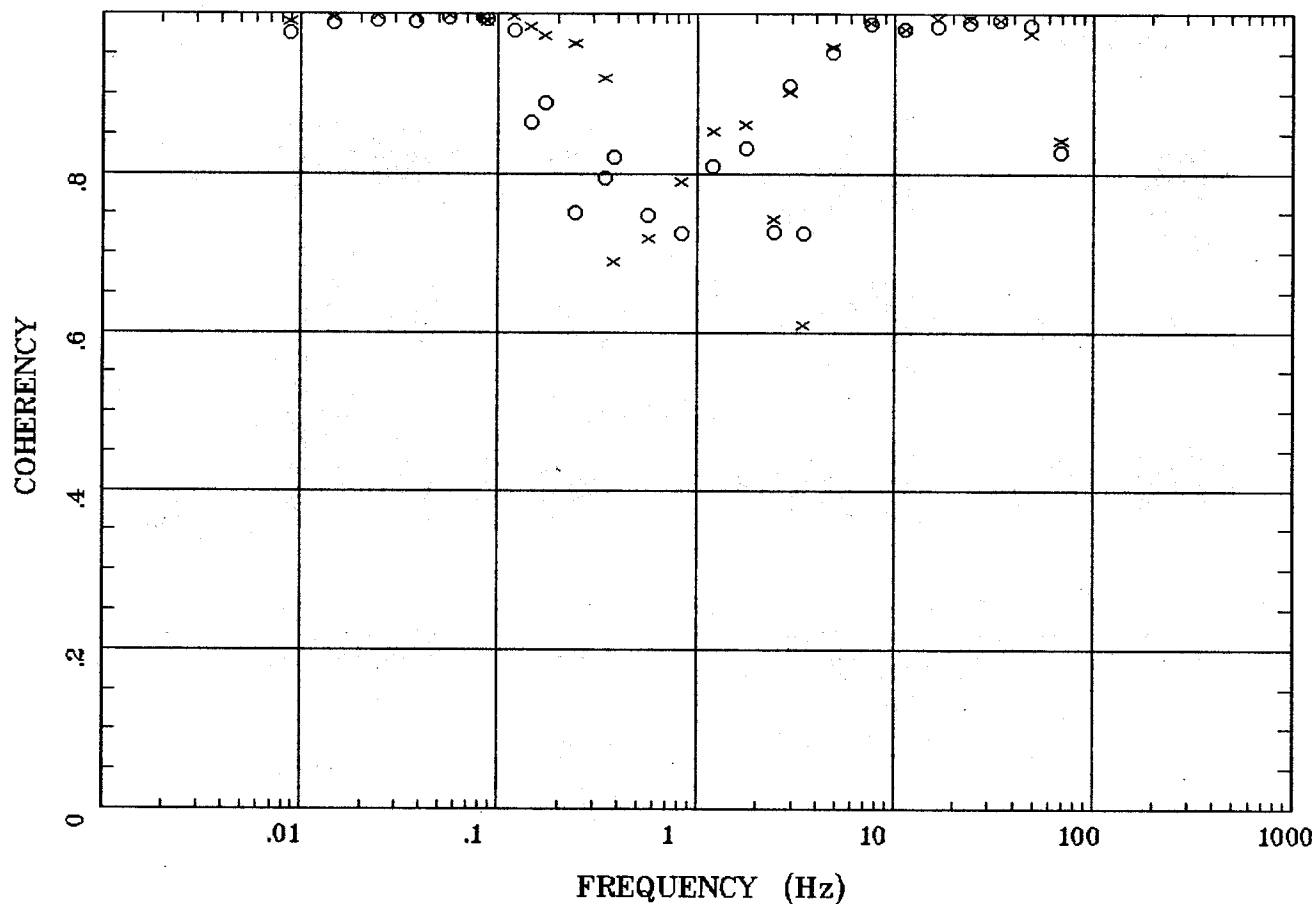
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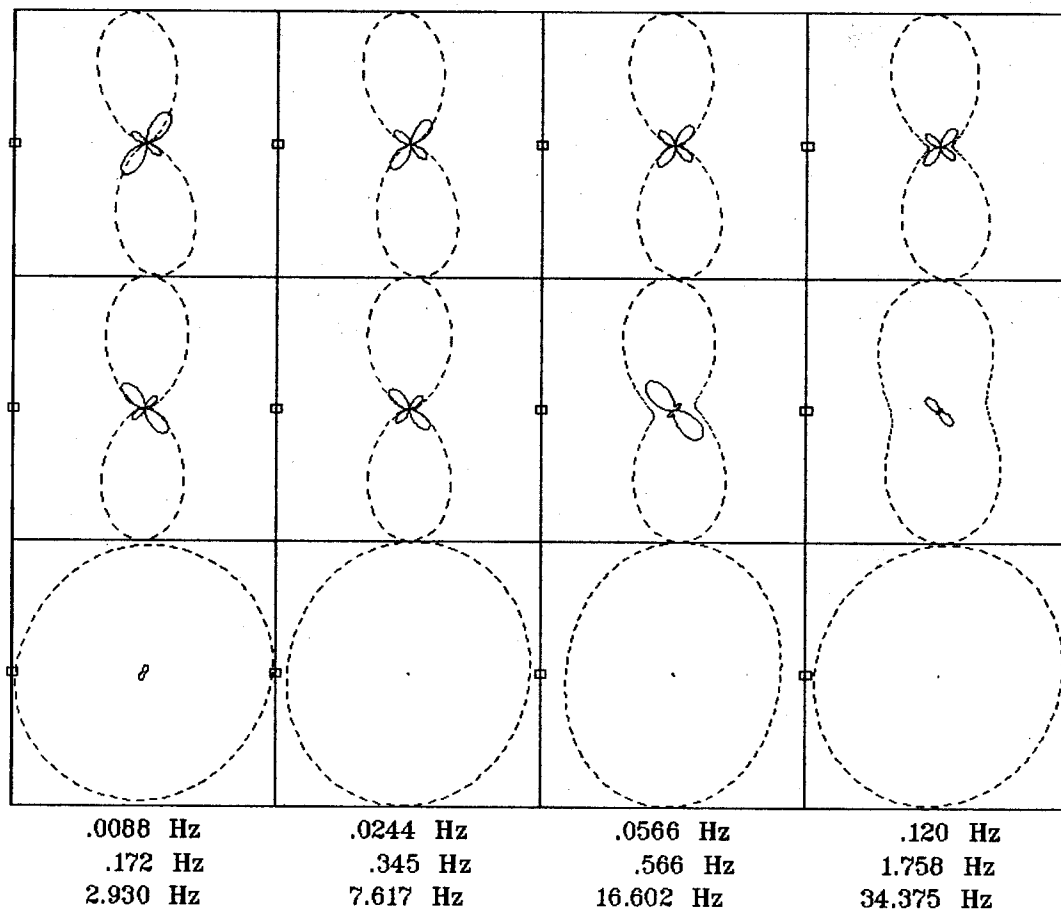
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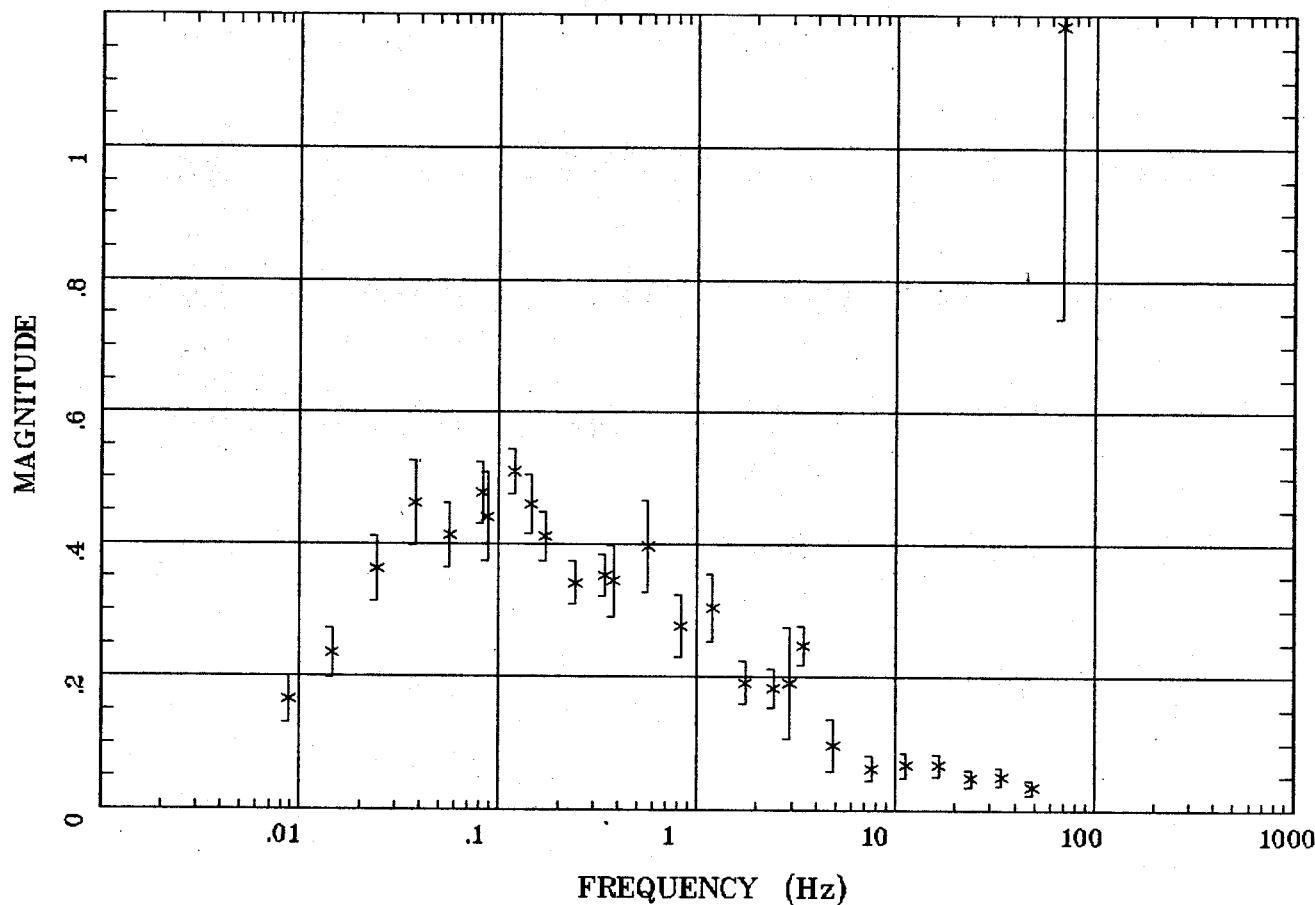
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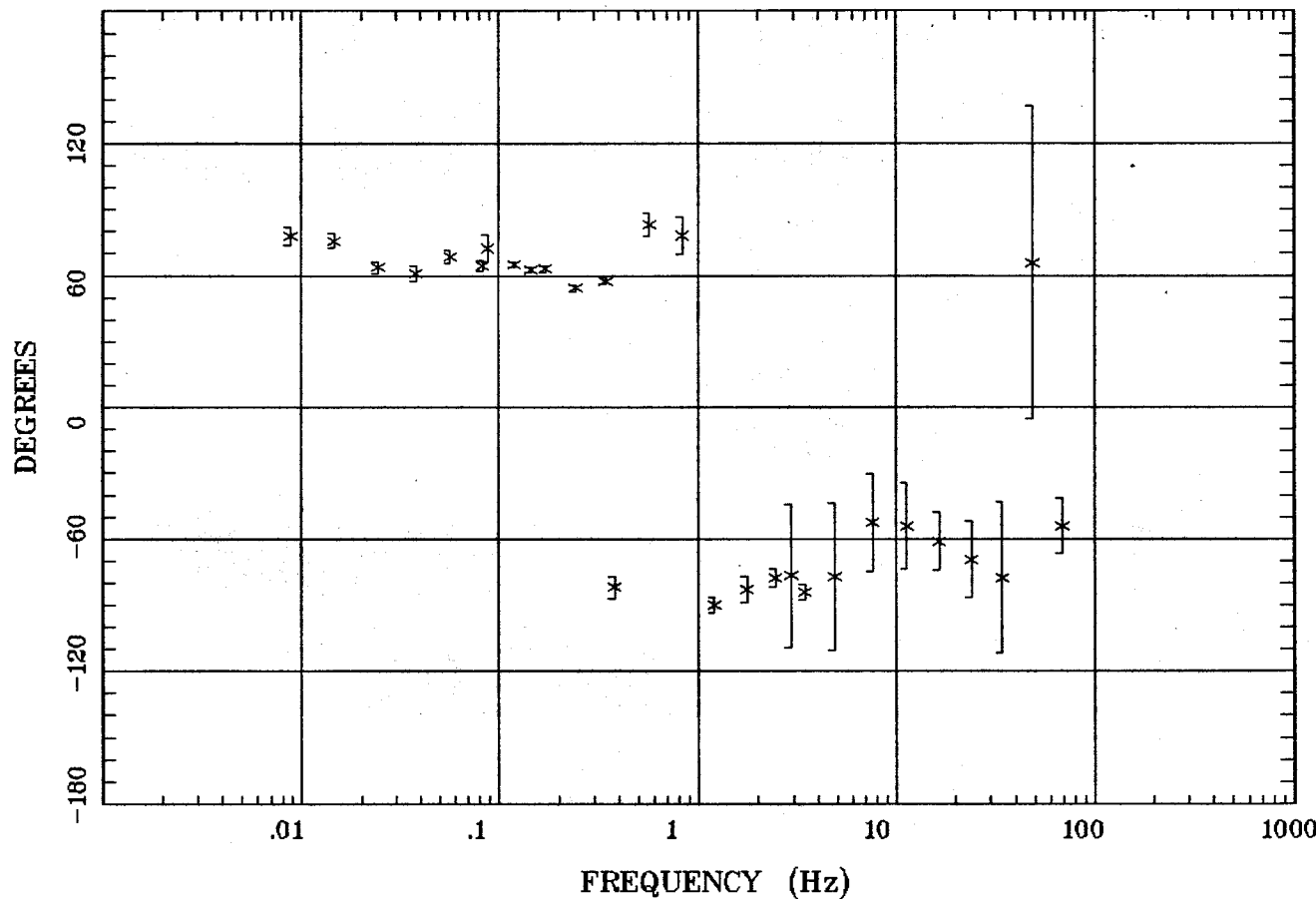
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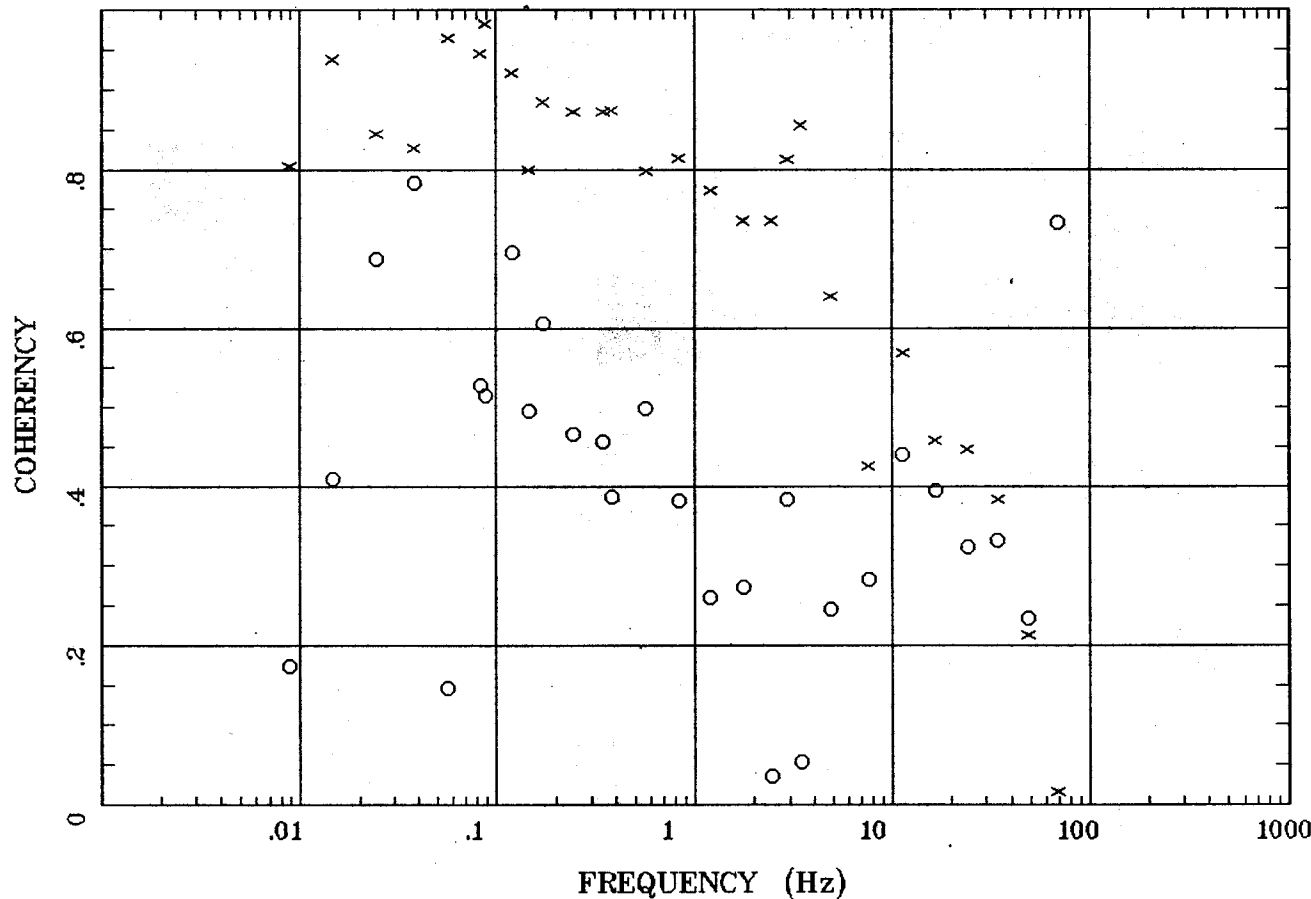
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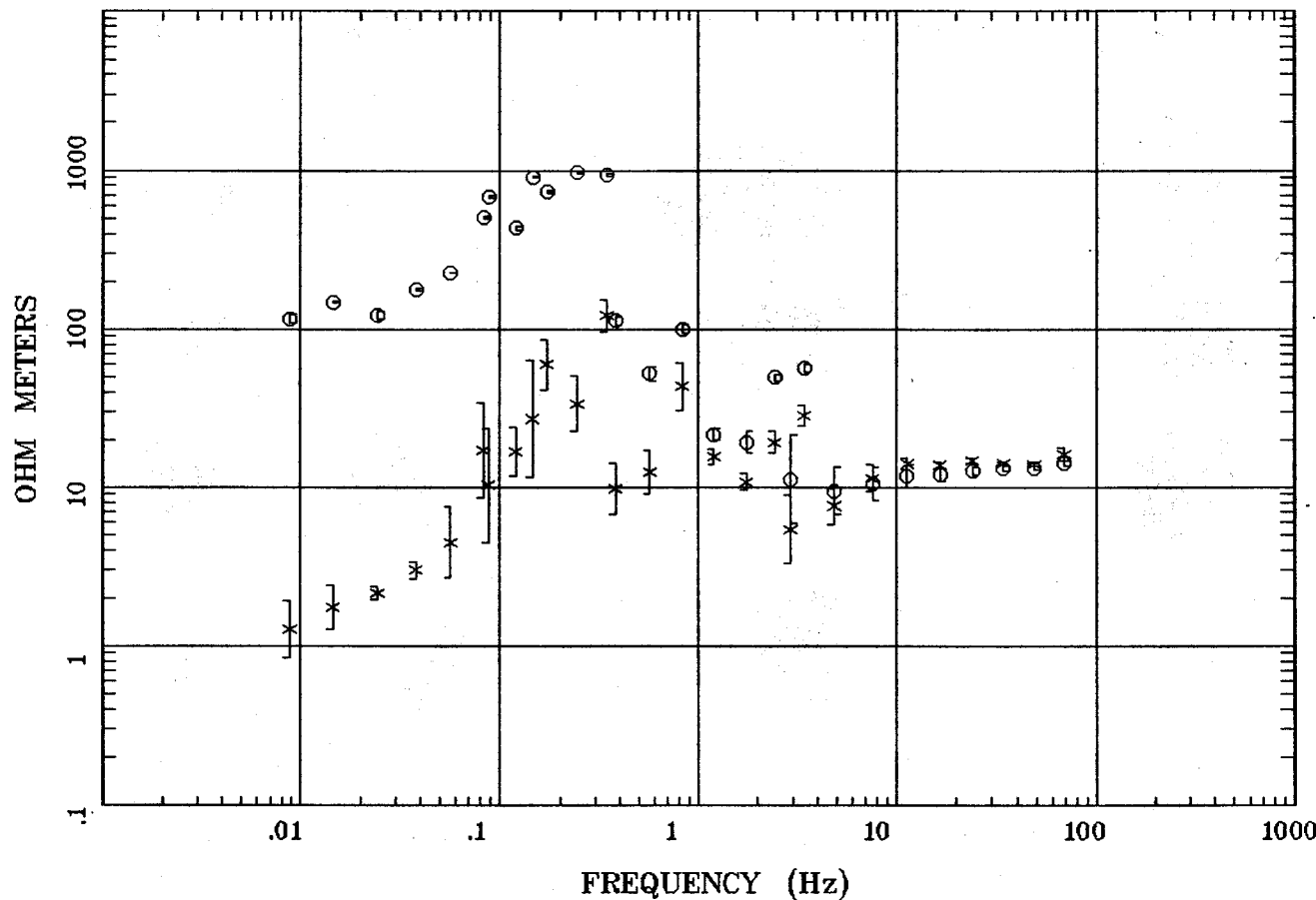
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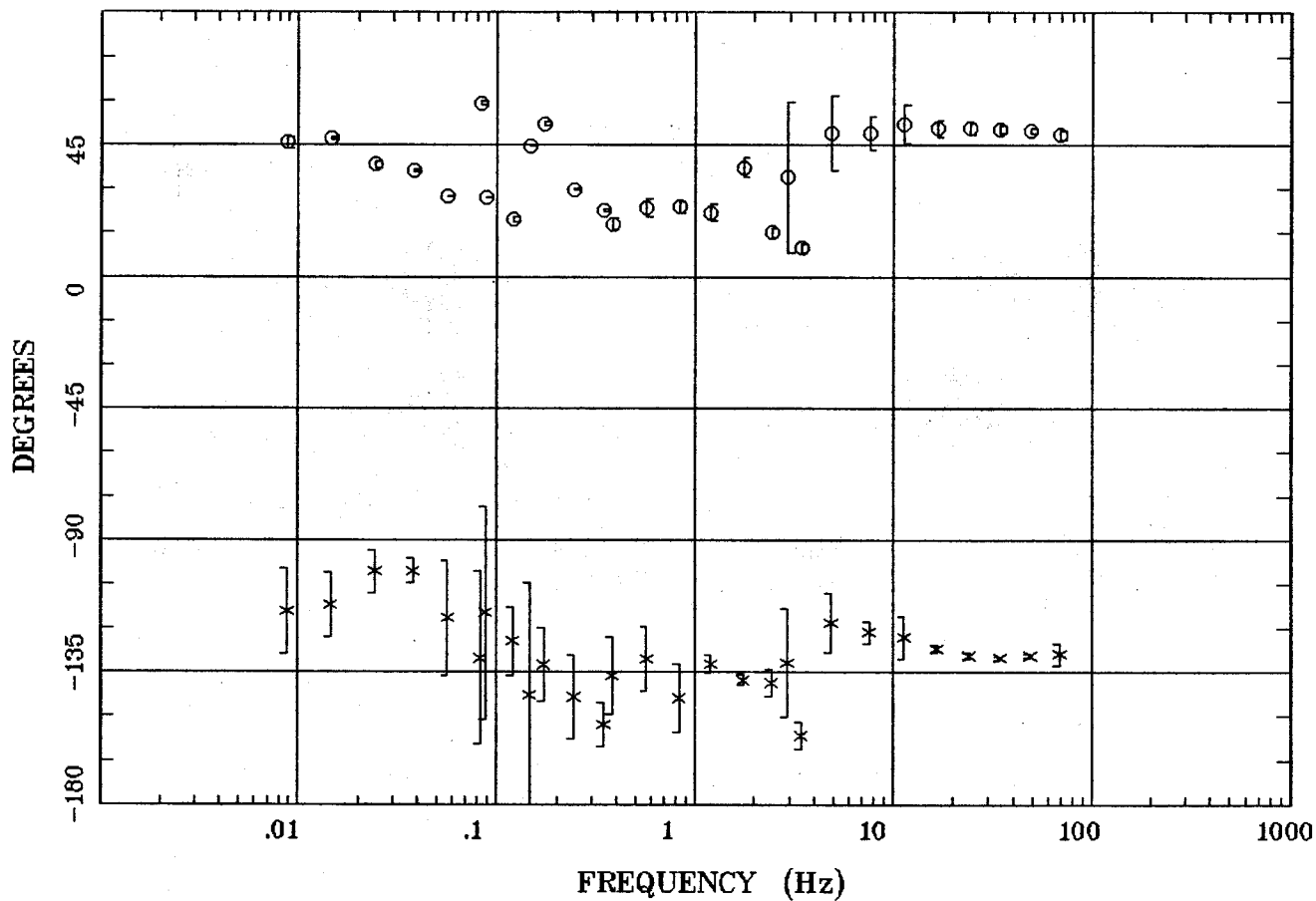


Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >

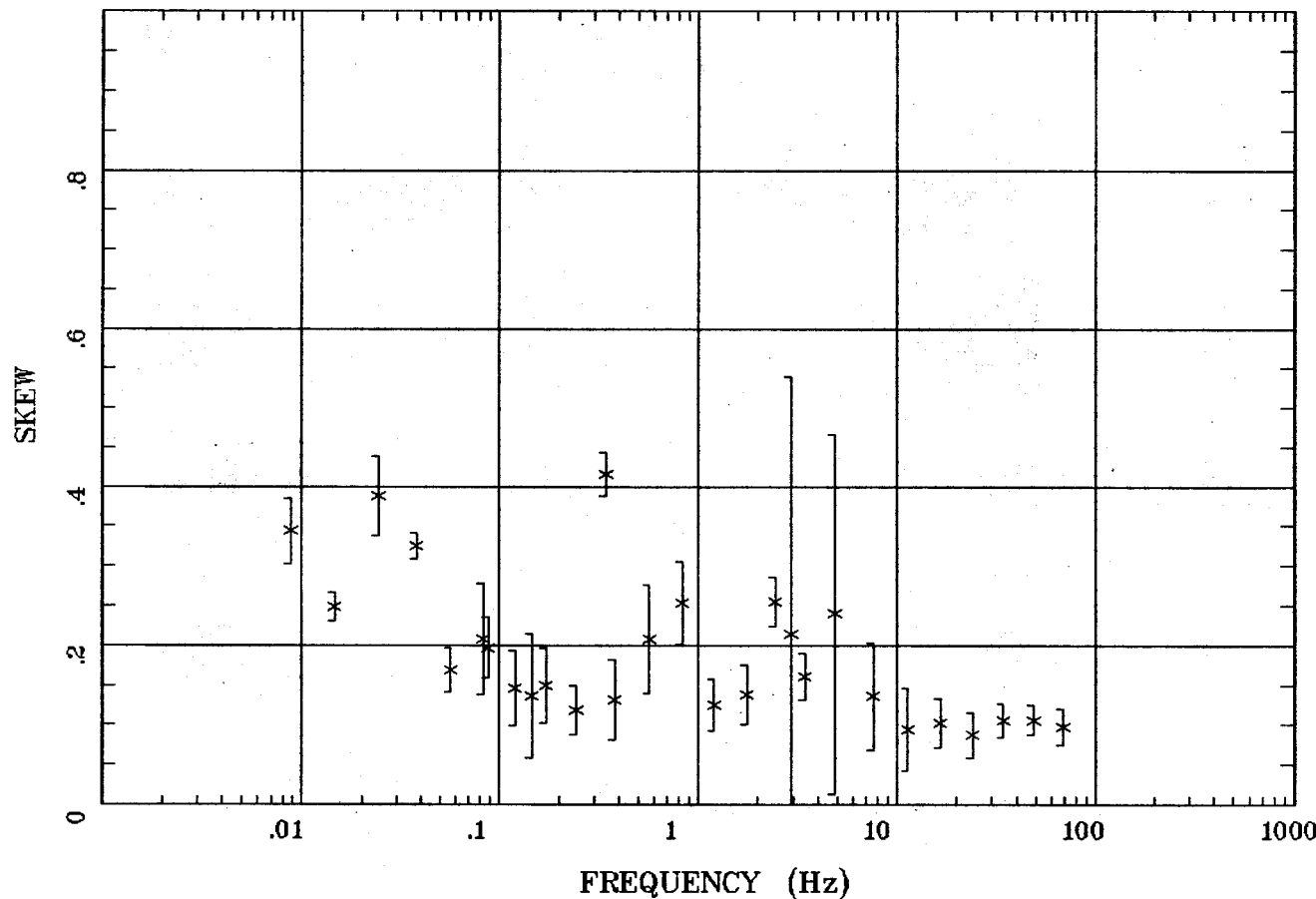
IMPEDANCE PHASE

Wendover, NV 100kmap Station 3



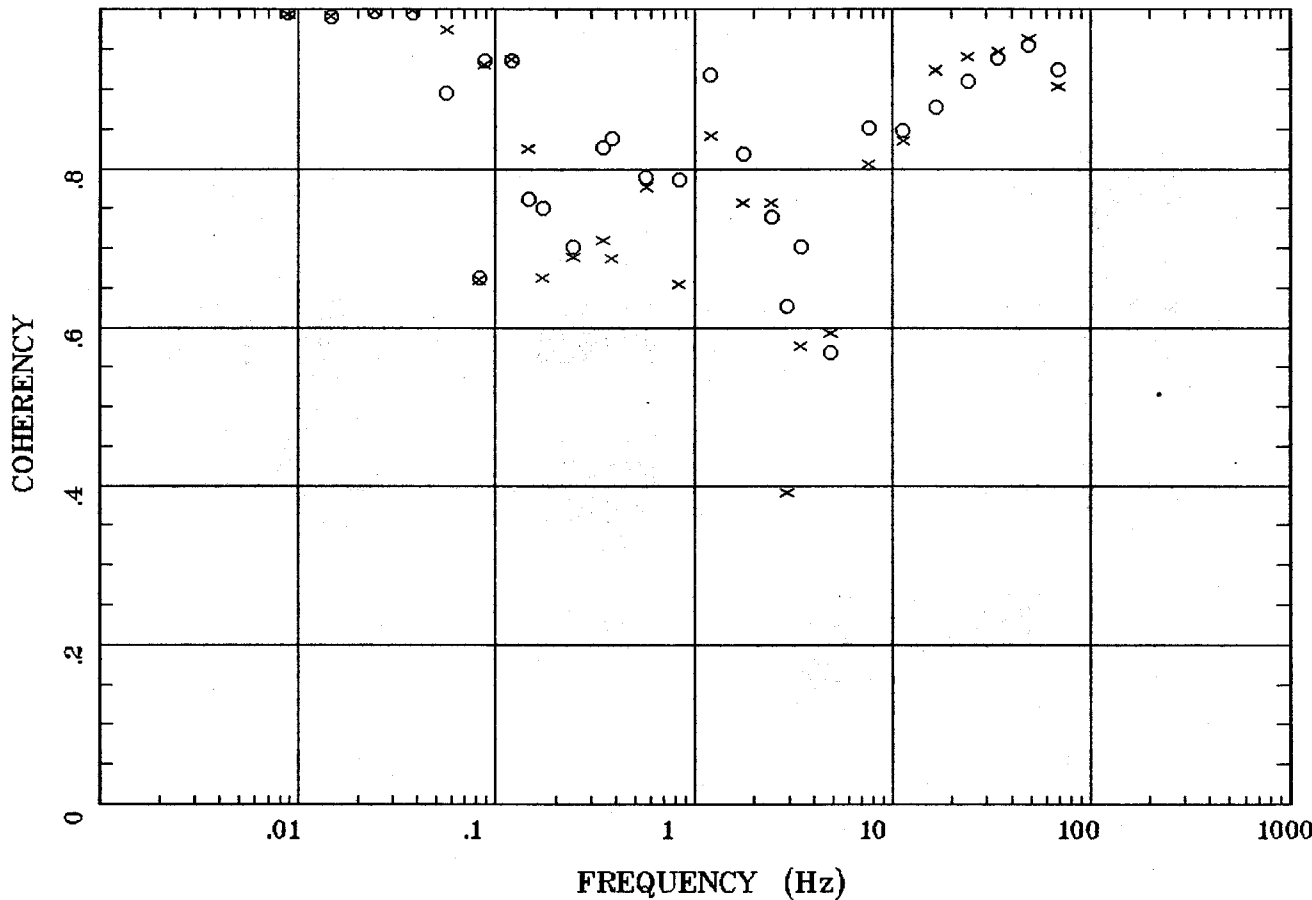
Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >



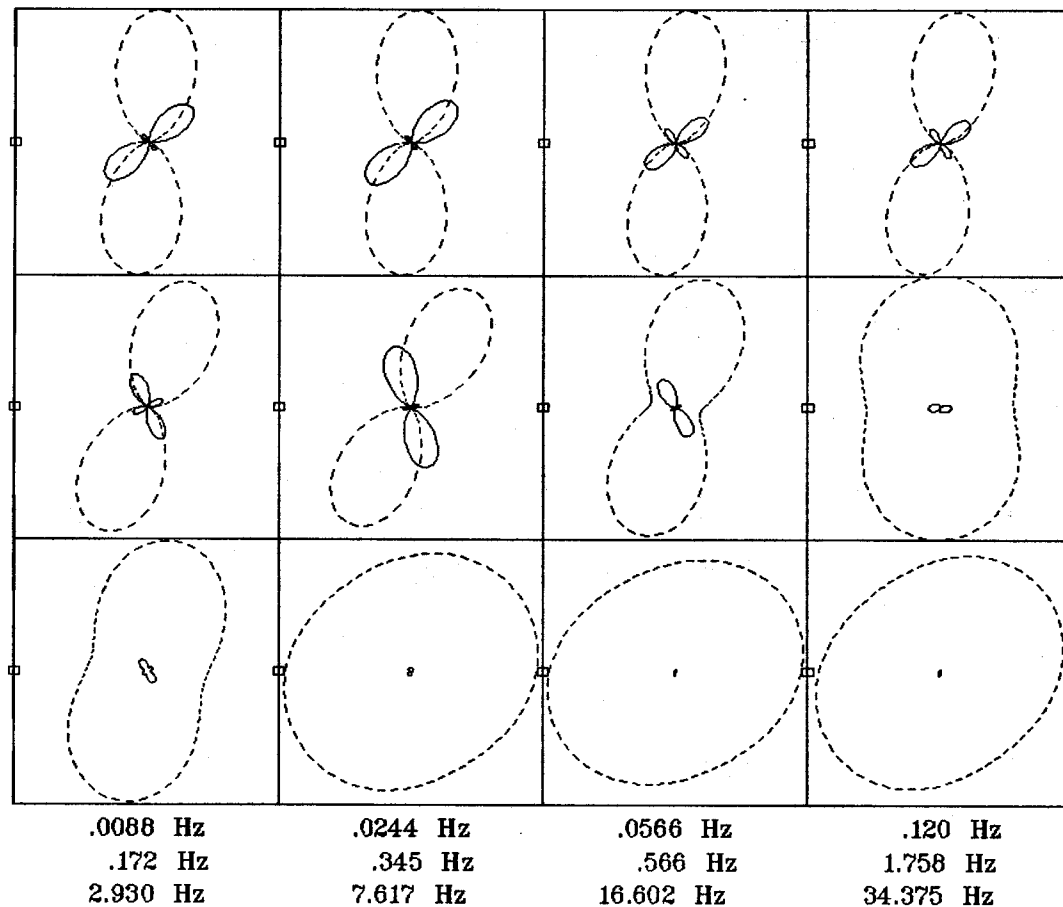
Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld south 90m

Acquired: 10:1 Sep 05, 2003

Survey Co:USGS

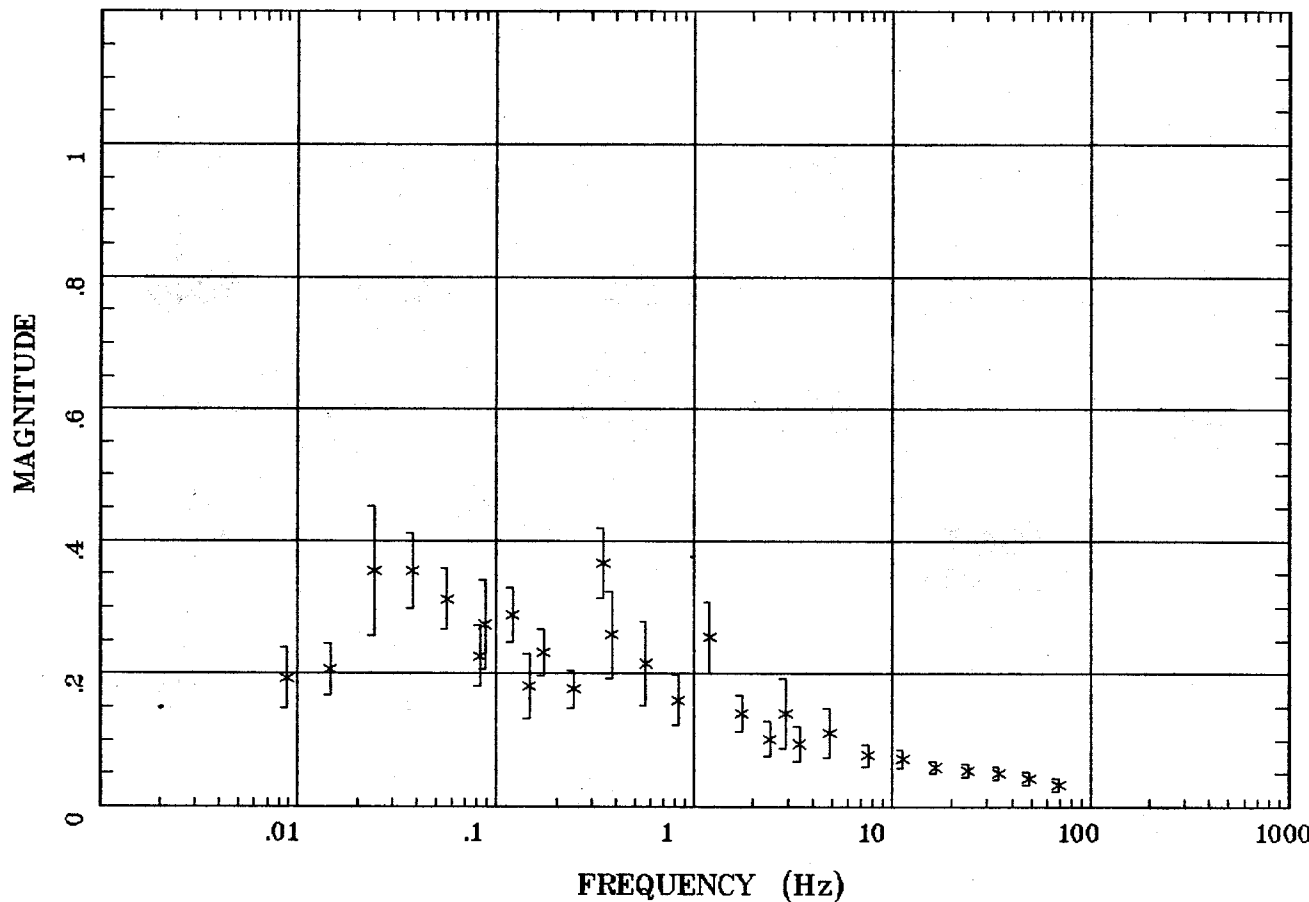
Rotation:

Filename: ap03m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 15:08 Sep 23, 2003

< EMI - ElectroMagnetic Instruments >

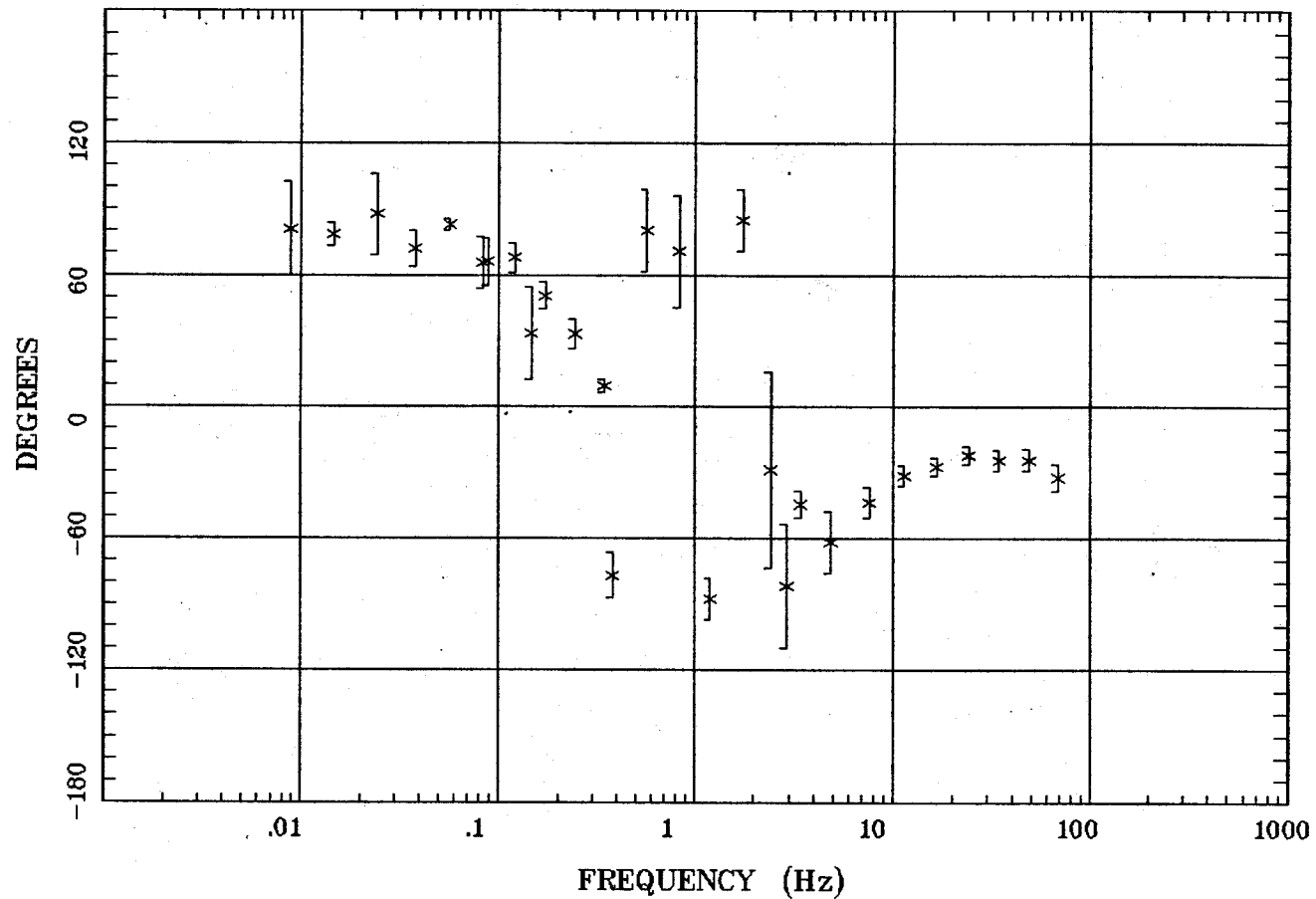


Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >

TIPPER STRIKE

Wendover, NV 100kmap Station 3

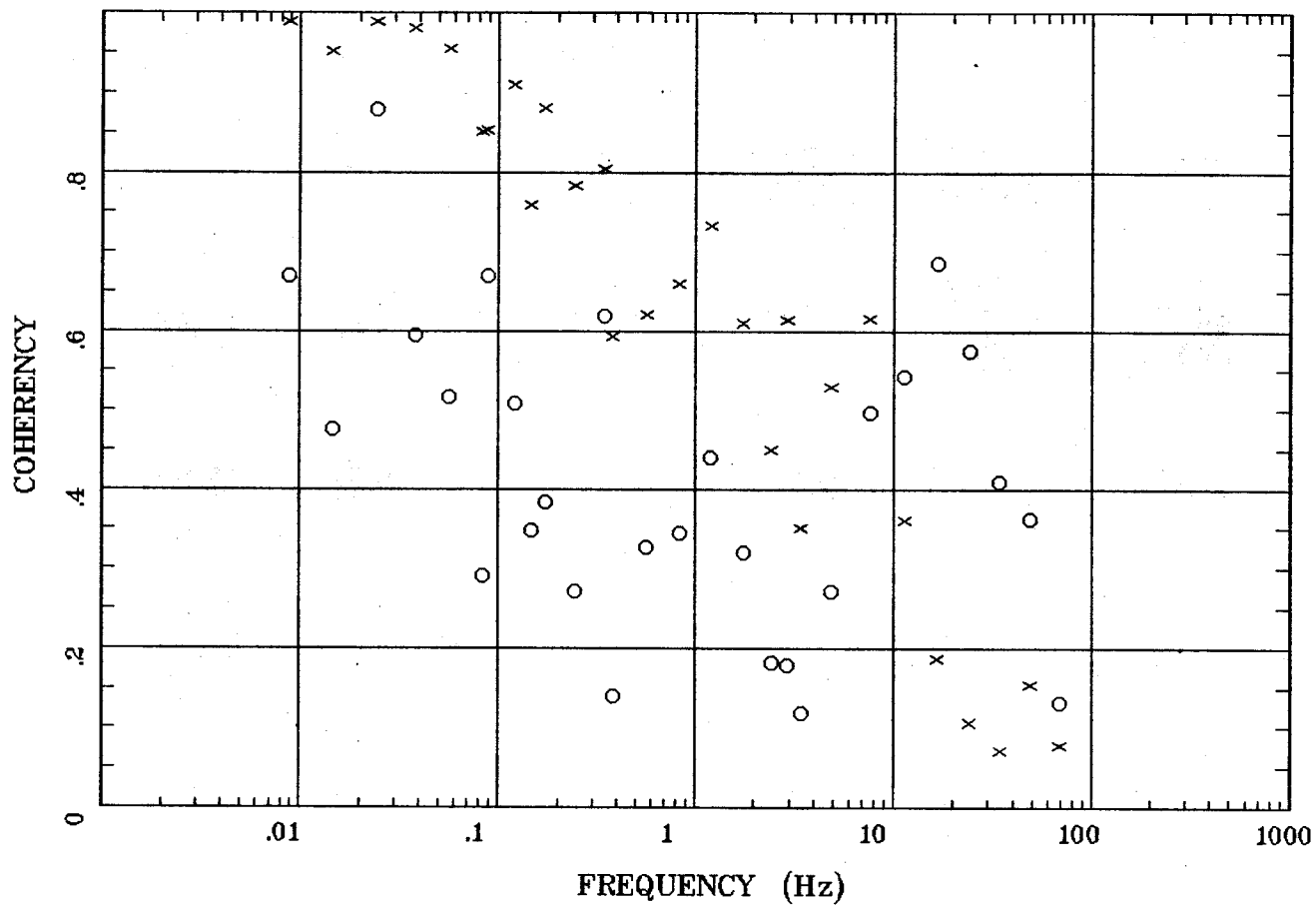


Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >

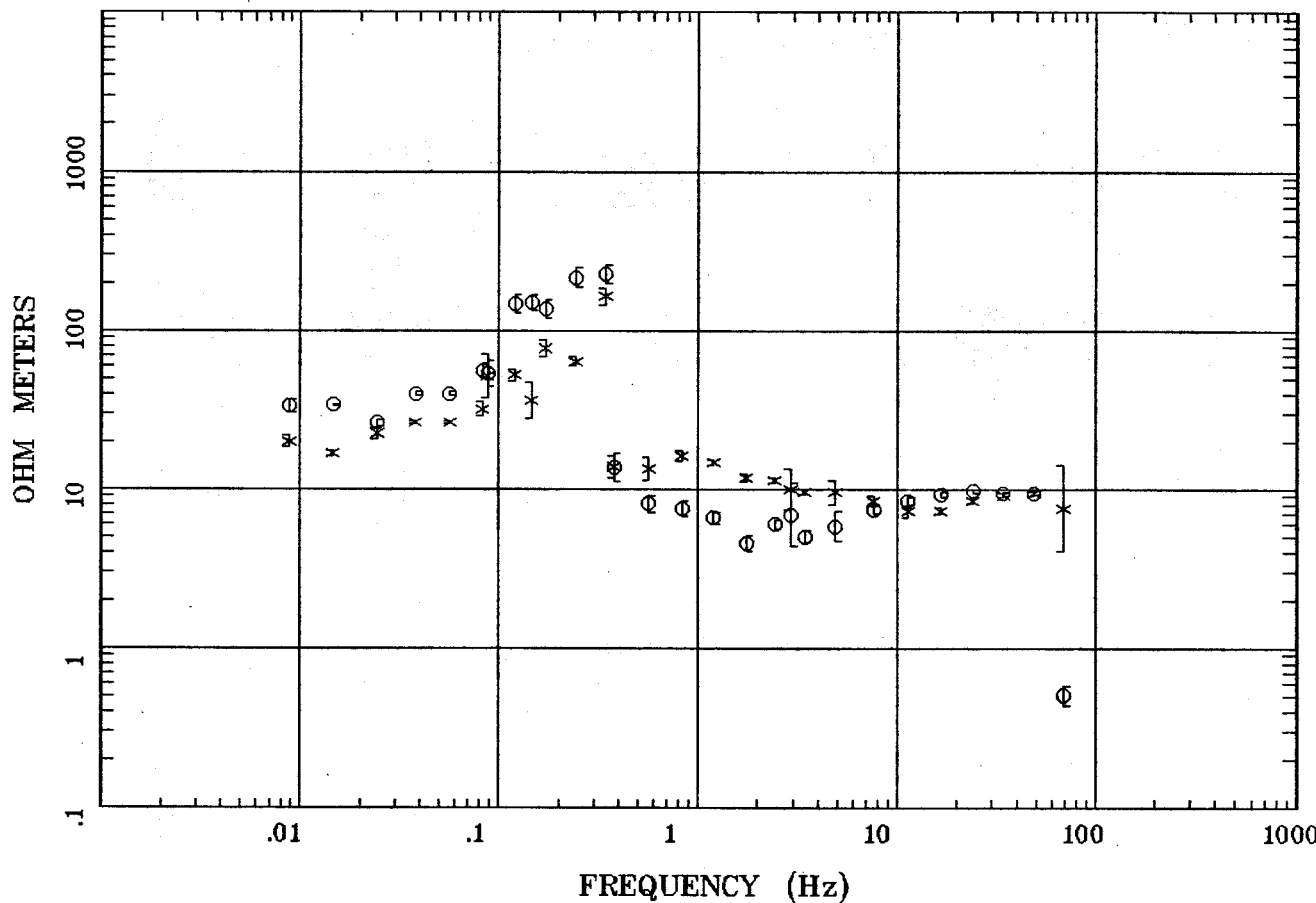
HzHx.x Coh HzHy.o

Wendover, NV 100kmap Station 3



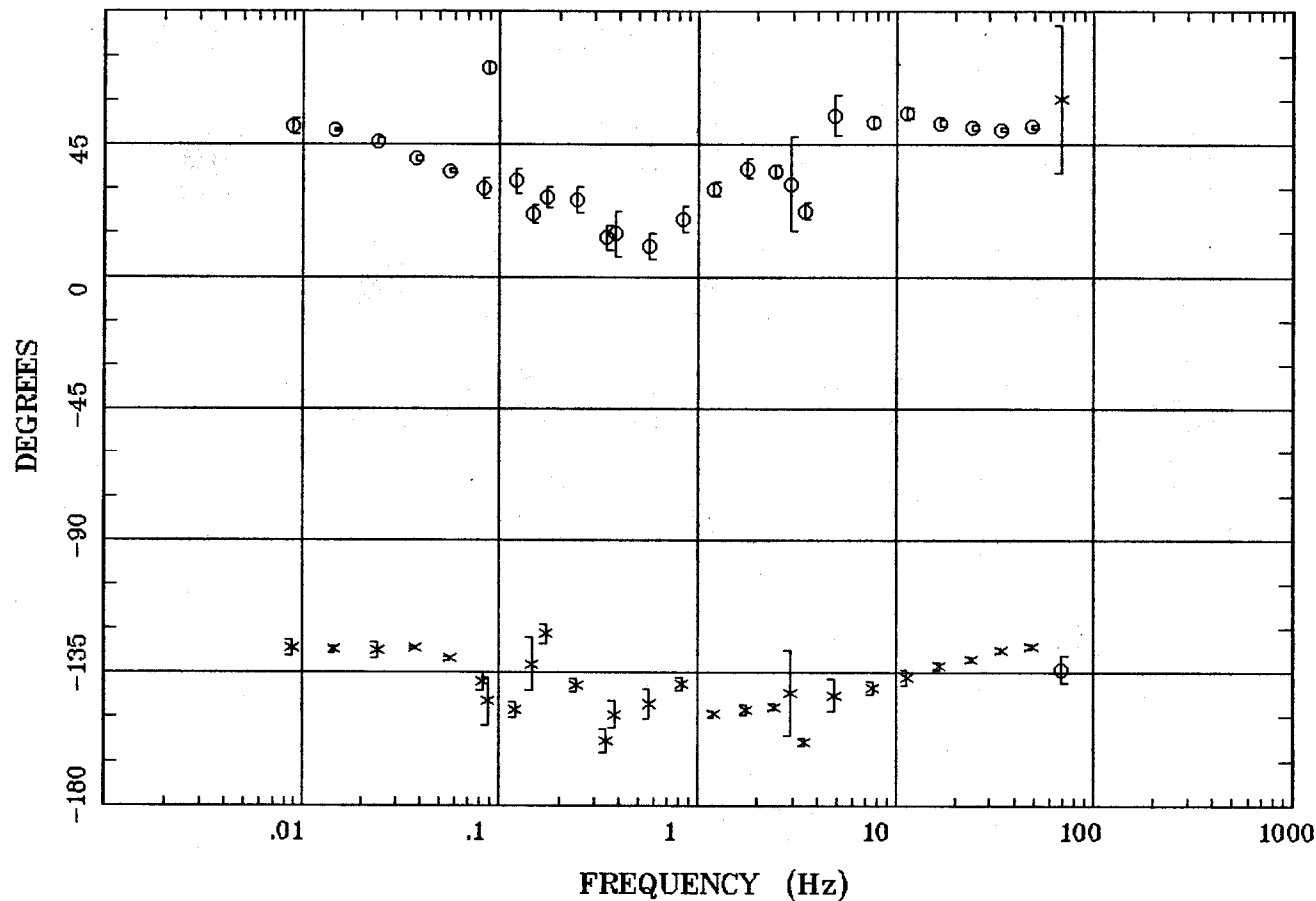
Client:
Remote: e-fld south 90m
Acquired: 10:1 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap03m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 15:08 Sep 23, 2003
< EMI - ElectroMagnetic Instruments >



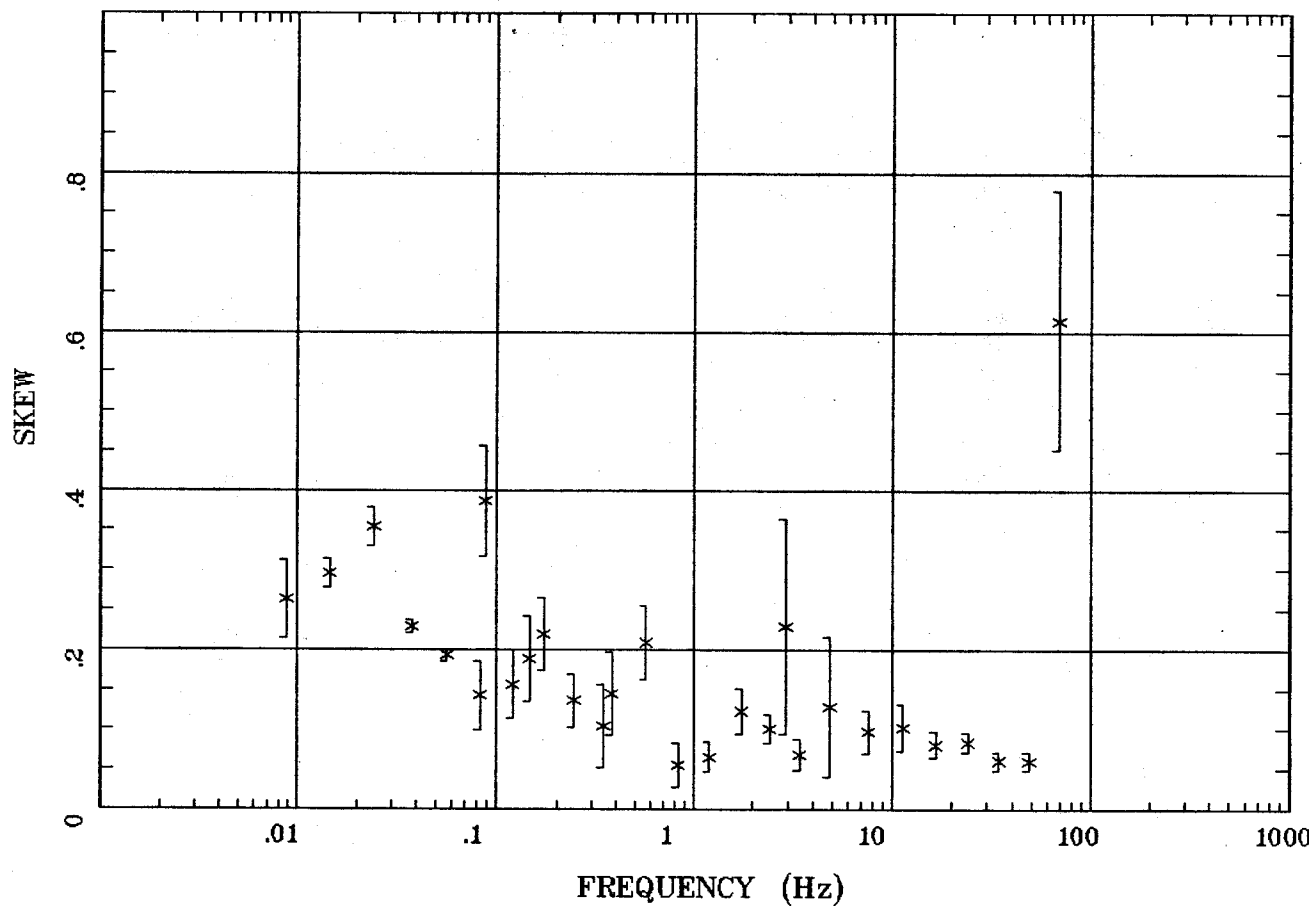
Client:
 Remote: e-fld south 90m
 Acquired: 14:0 Sep 05, 2003
 Survey Co:USGS

Rotation:
 Filename: ap04m.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 08:28 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >



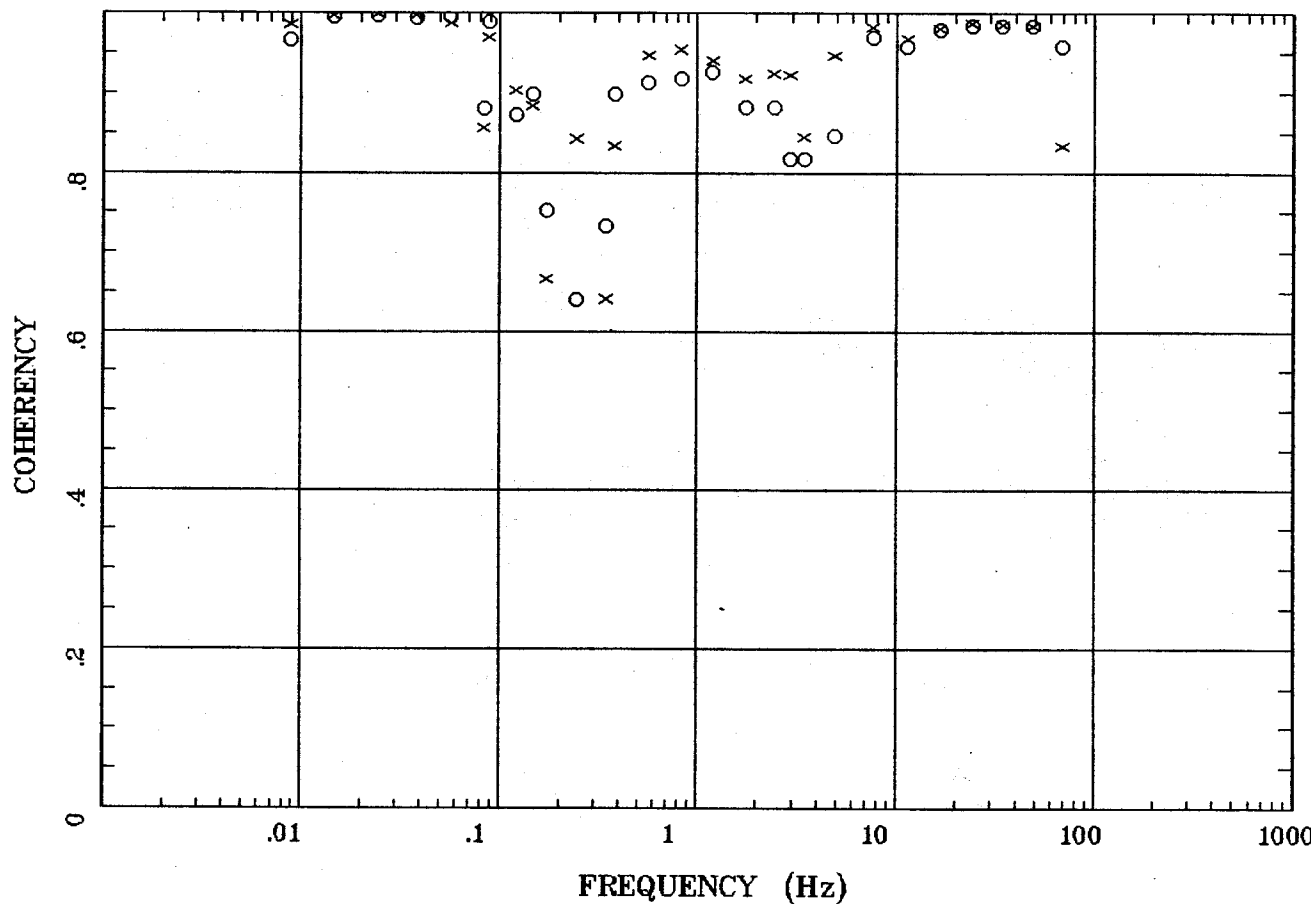
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



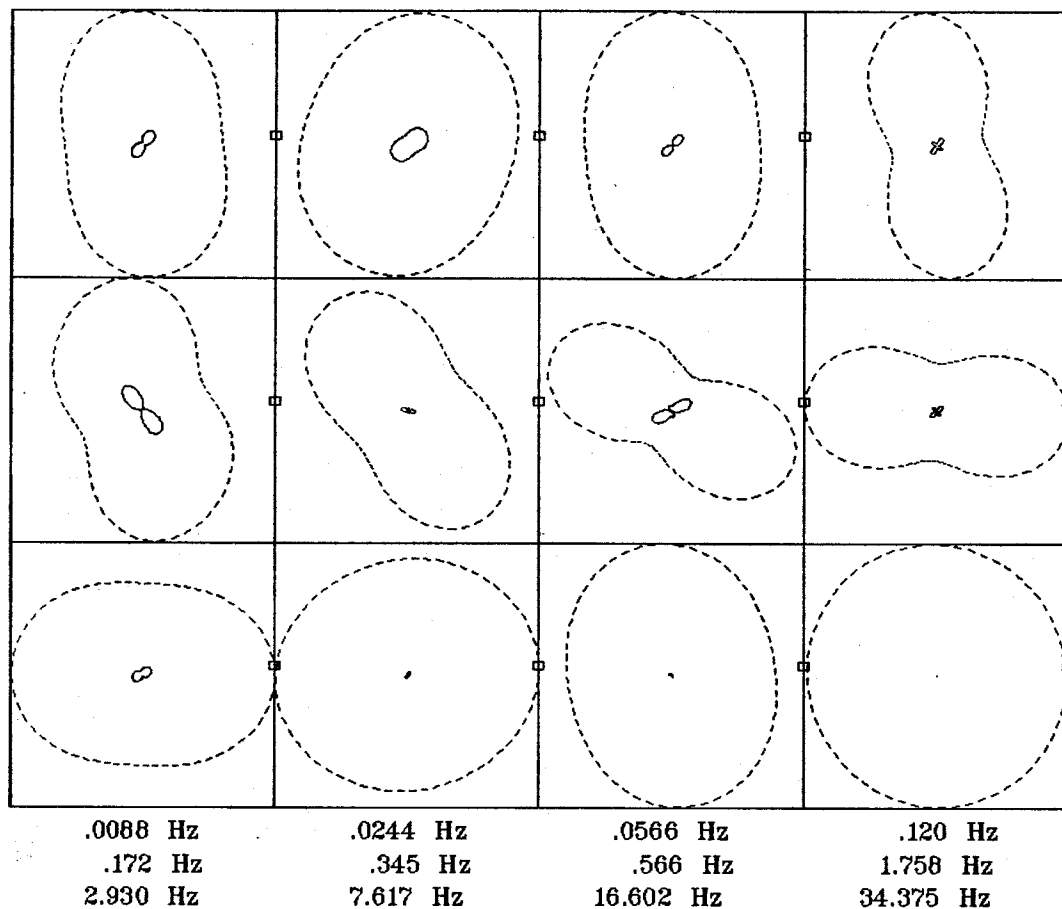
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



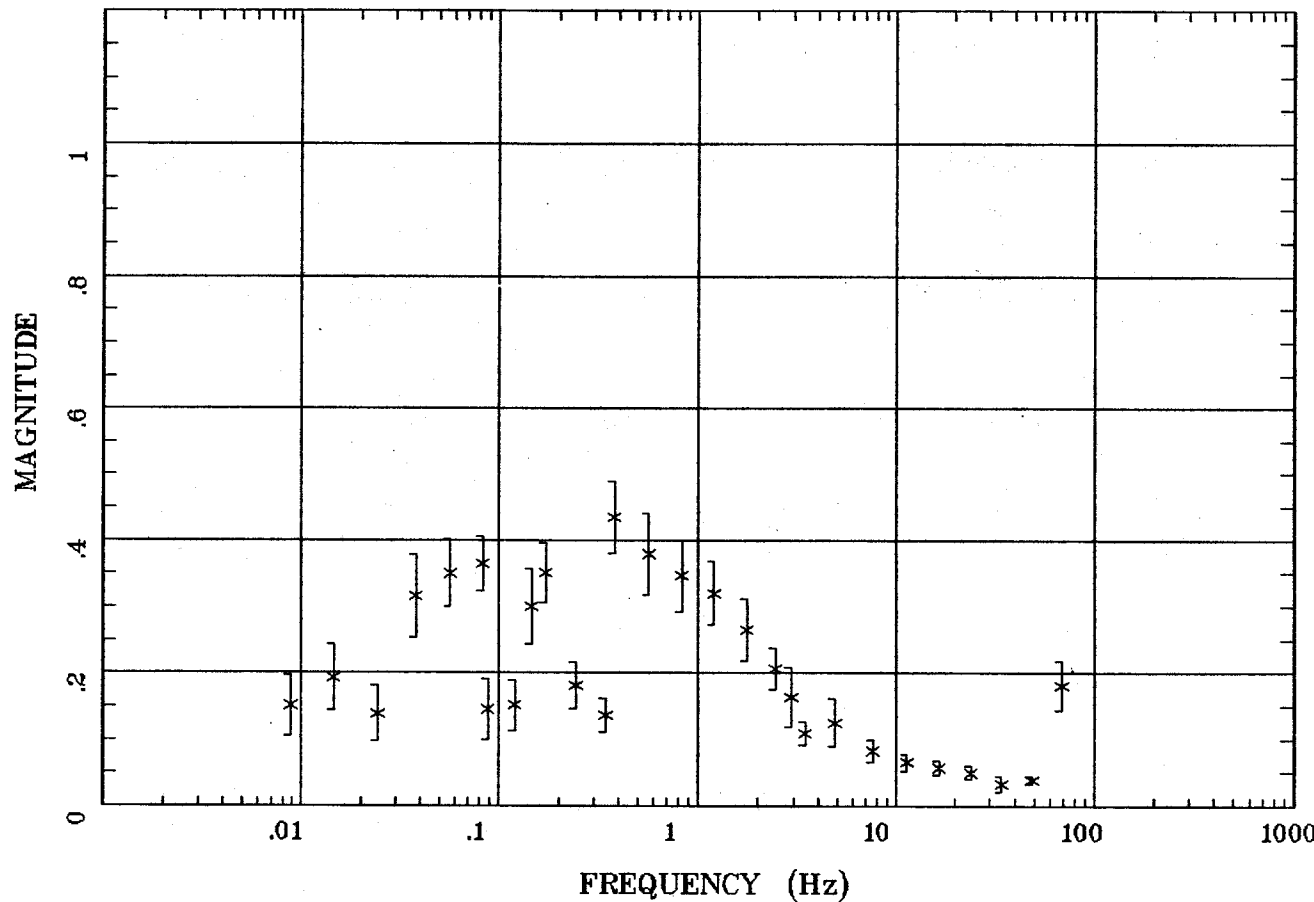
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



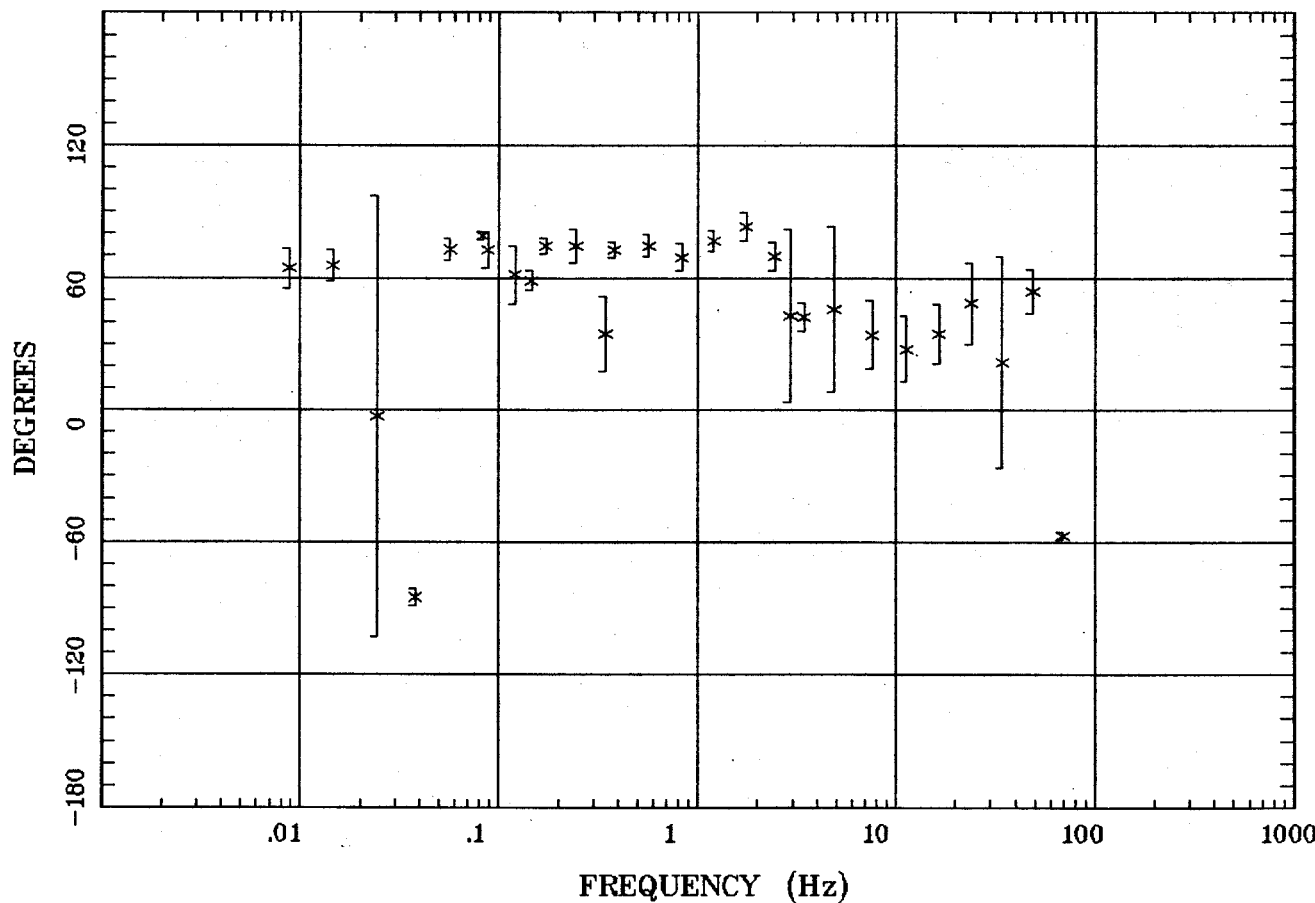
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



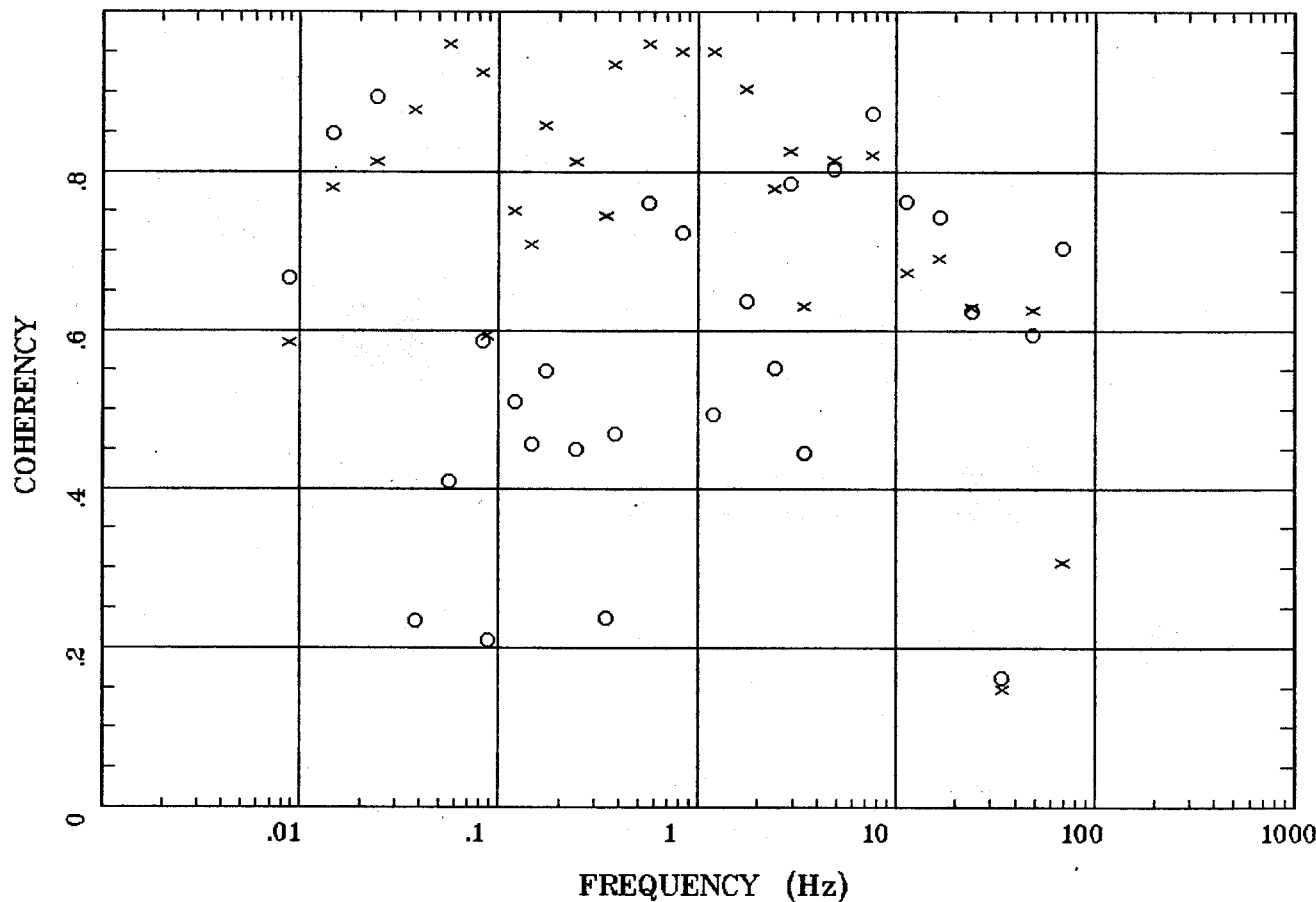
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



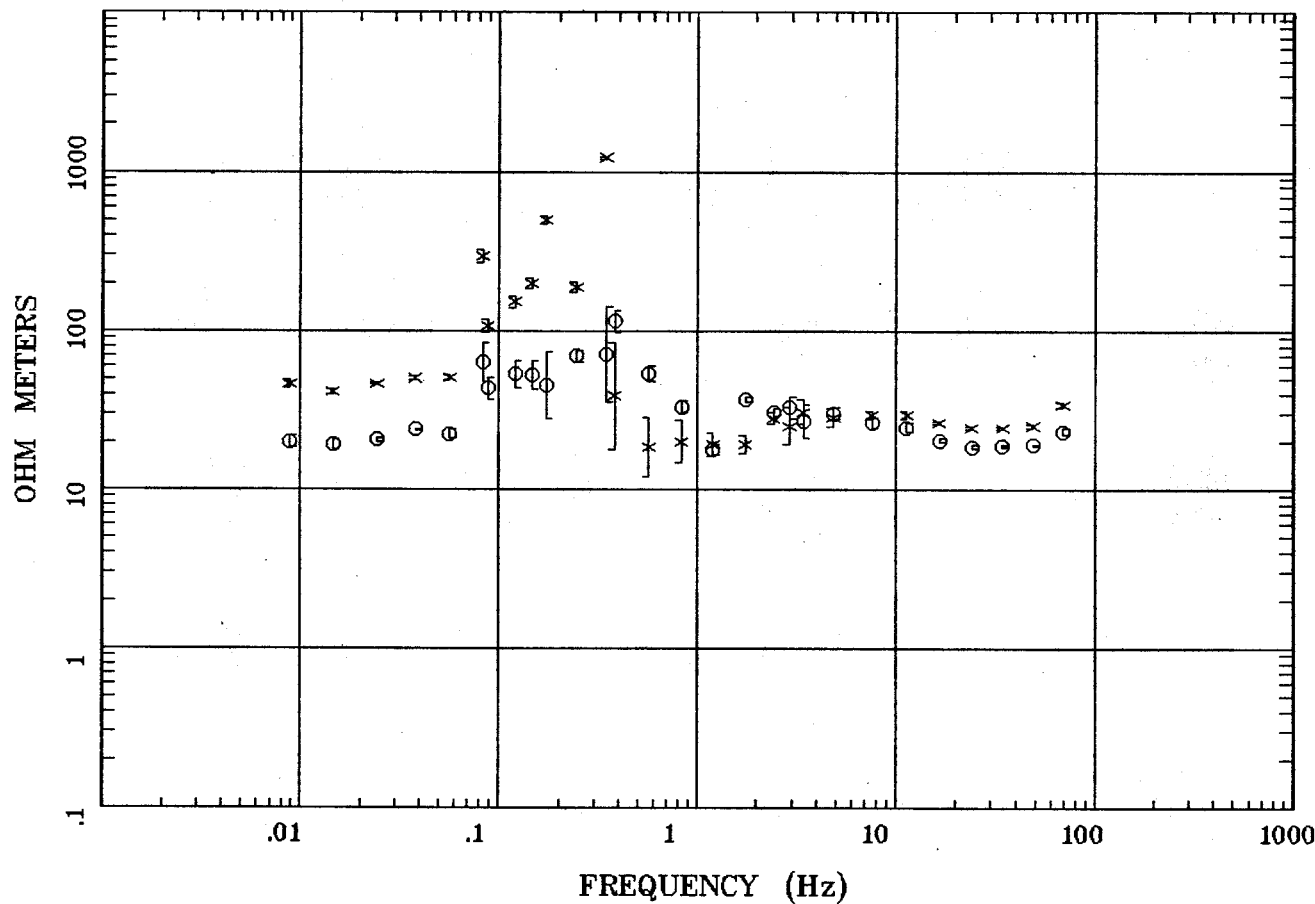
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



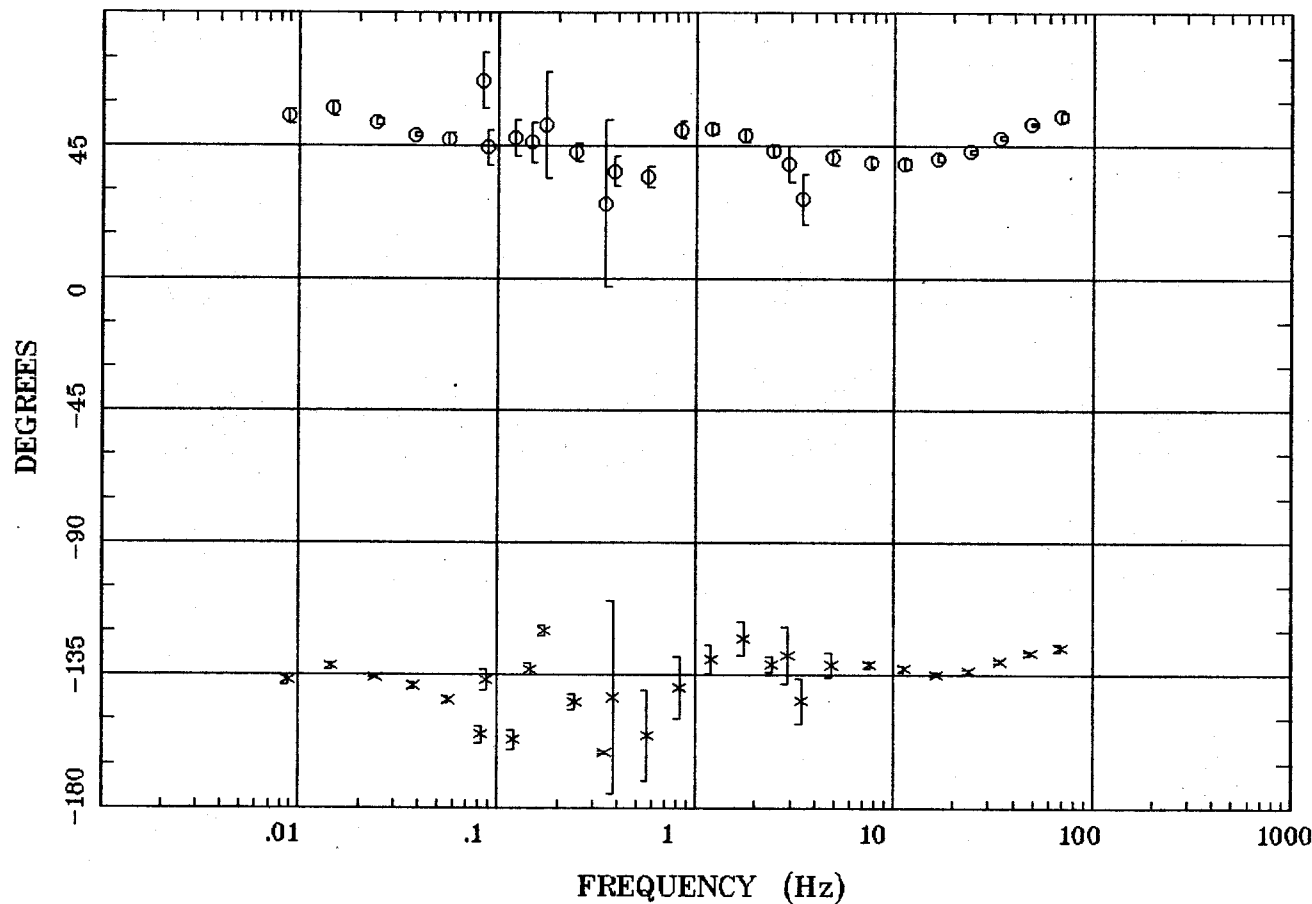
Client:
Remote: e-fld south 90m
Acquired: 14:0 Sep 05, 2003
Survey Co:USGS

Rotation:
Filename: ap04m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



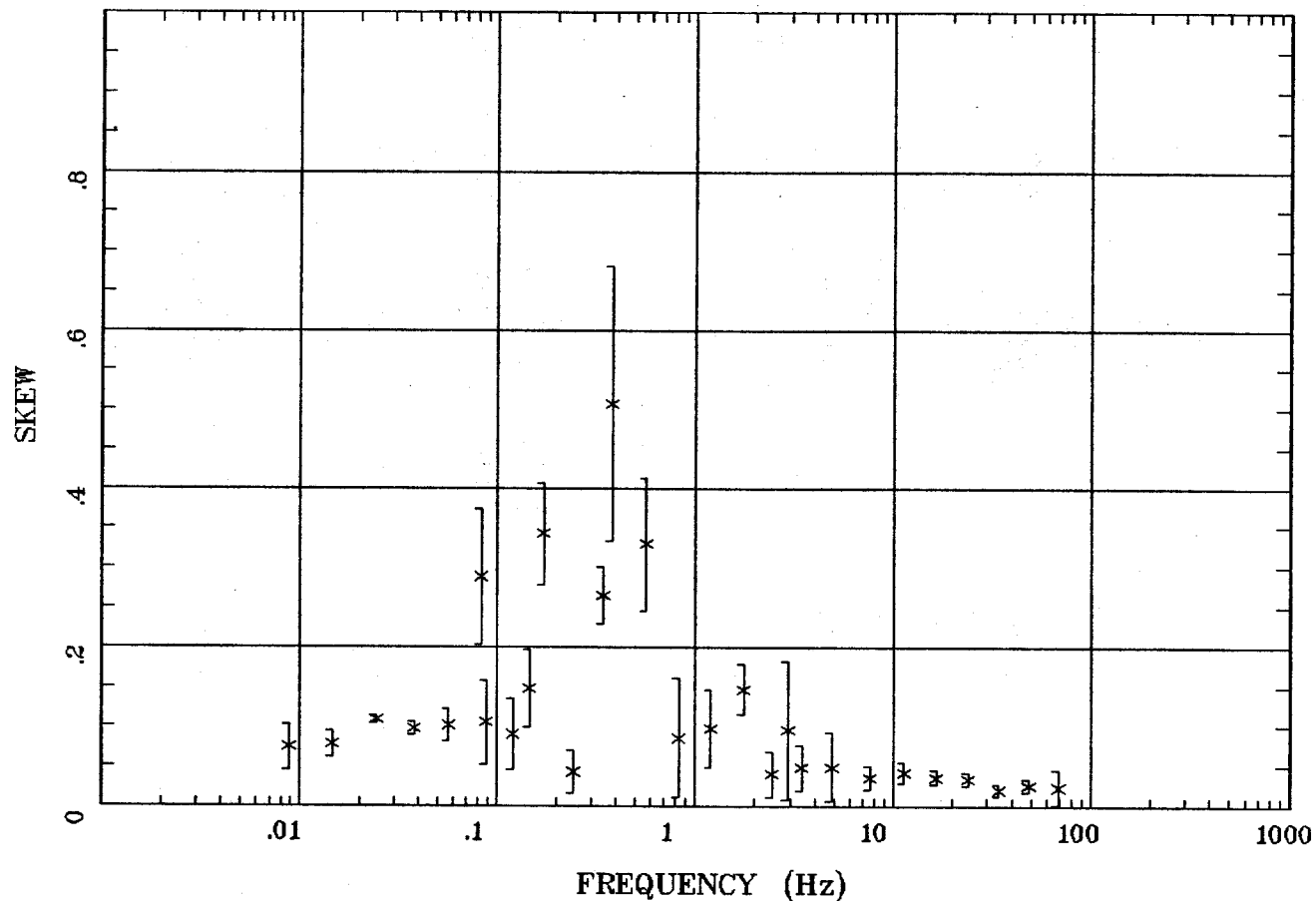
Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



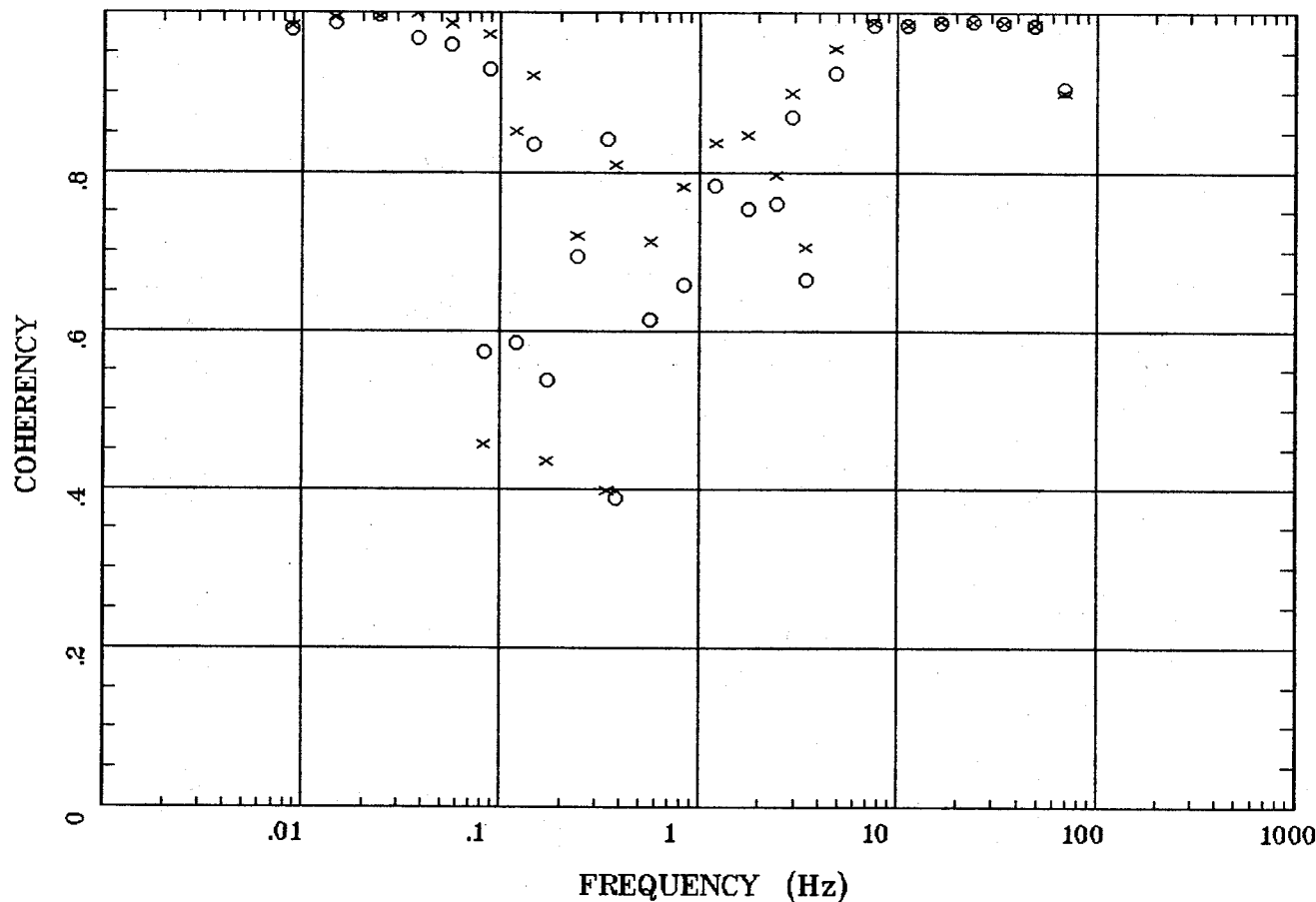
Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



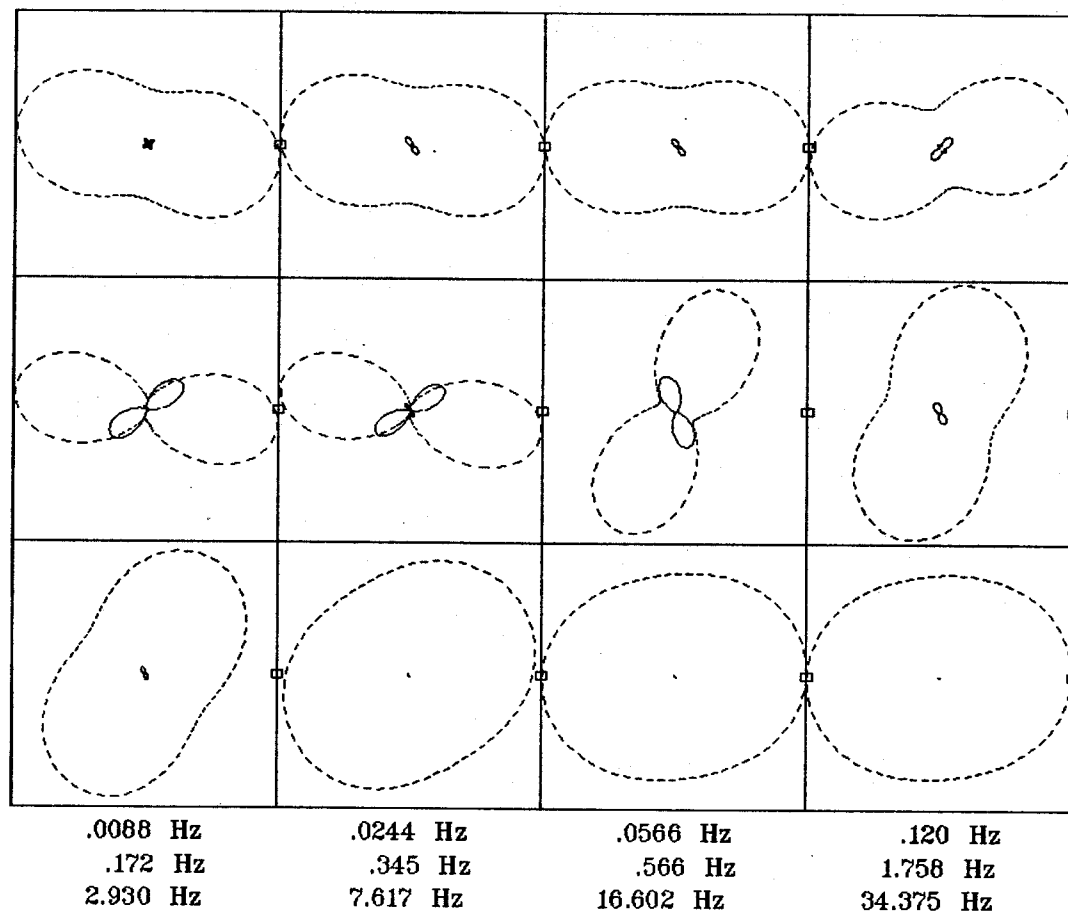
Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld south 90m

Acquired: 09:5 Sep 06, 2003

Survey Co:USGS

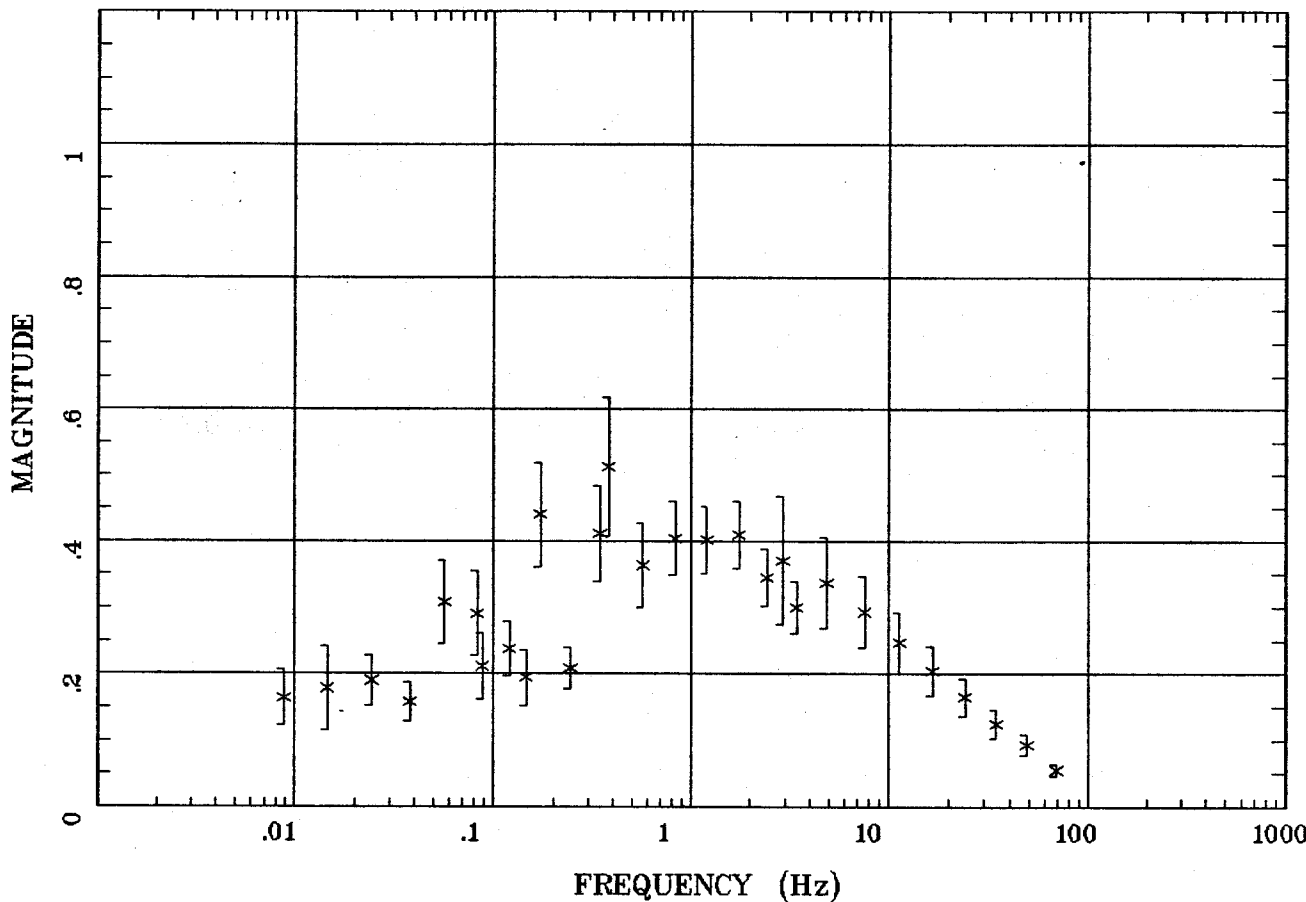
Rotation:

Filename: ap05m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

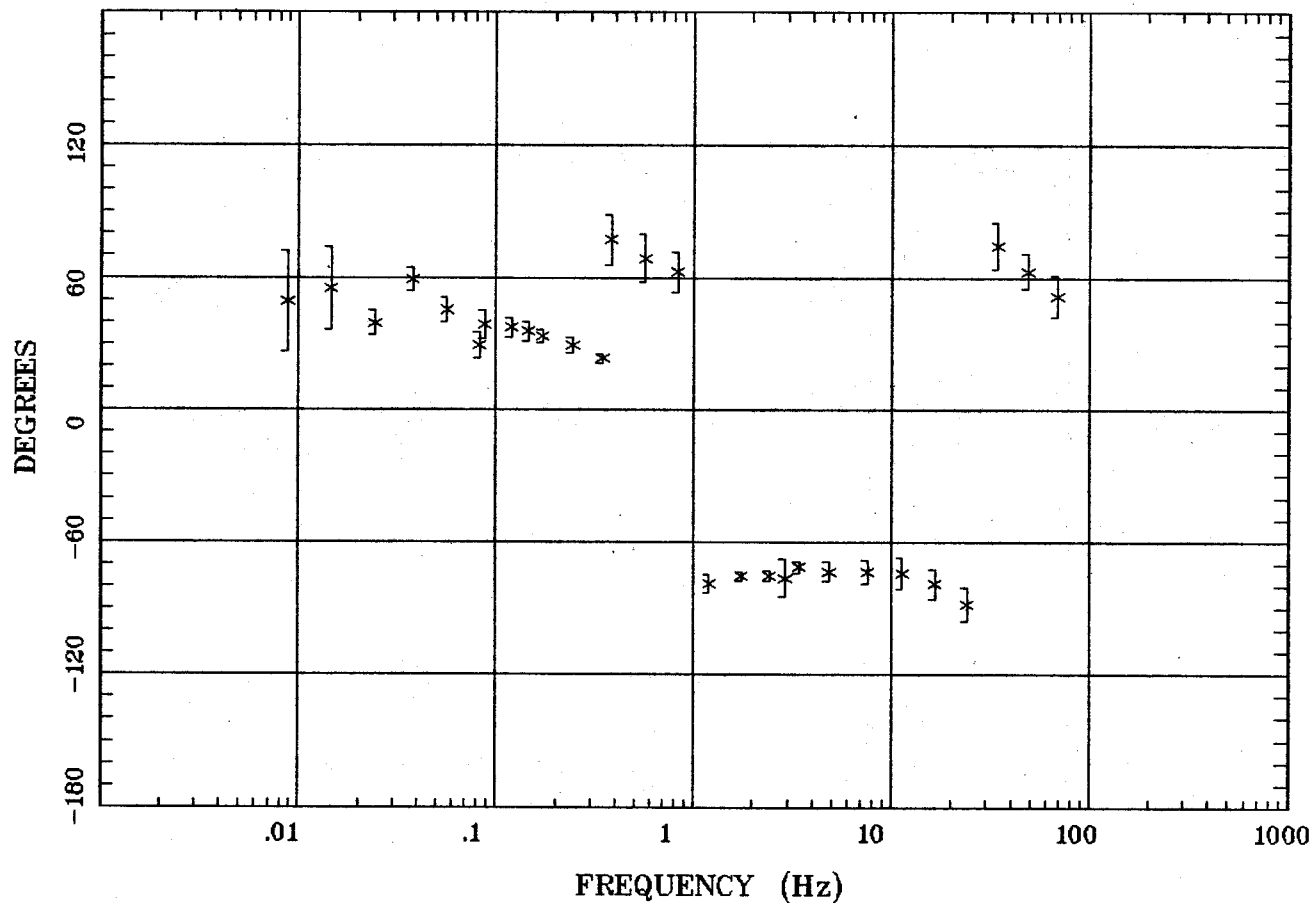
Plotted: 08:29 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

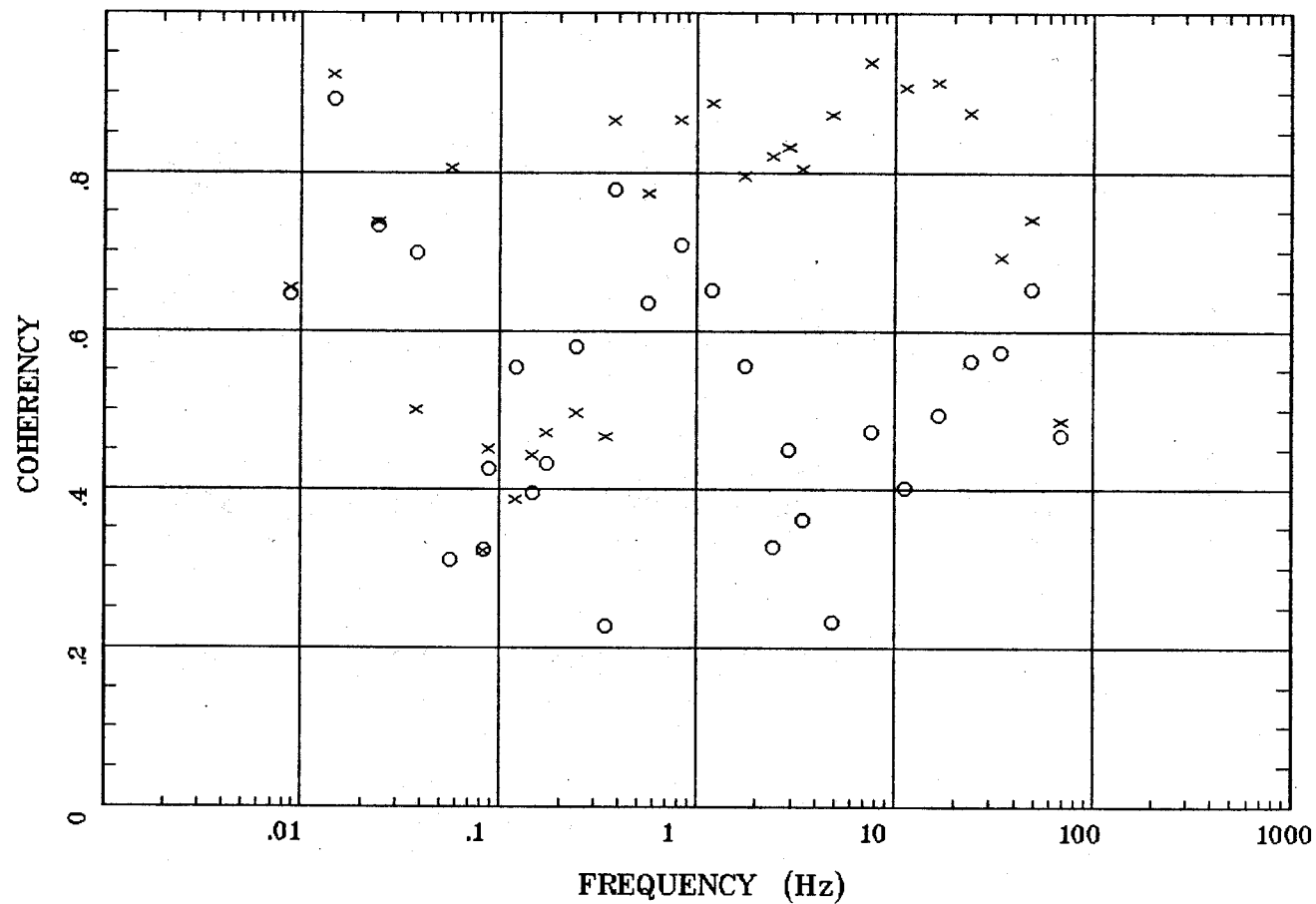


Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

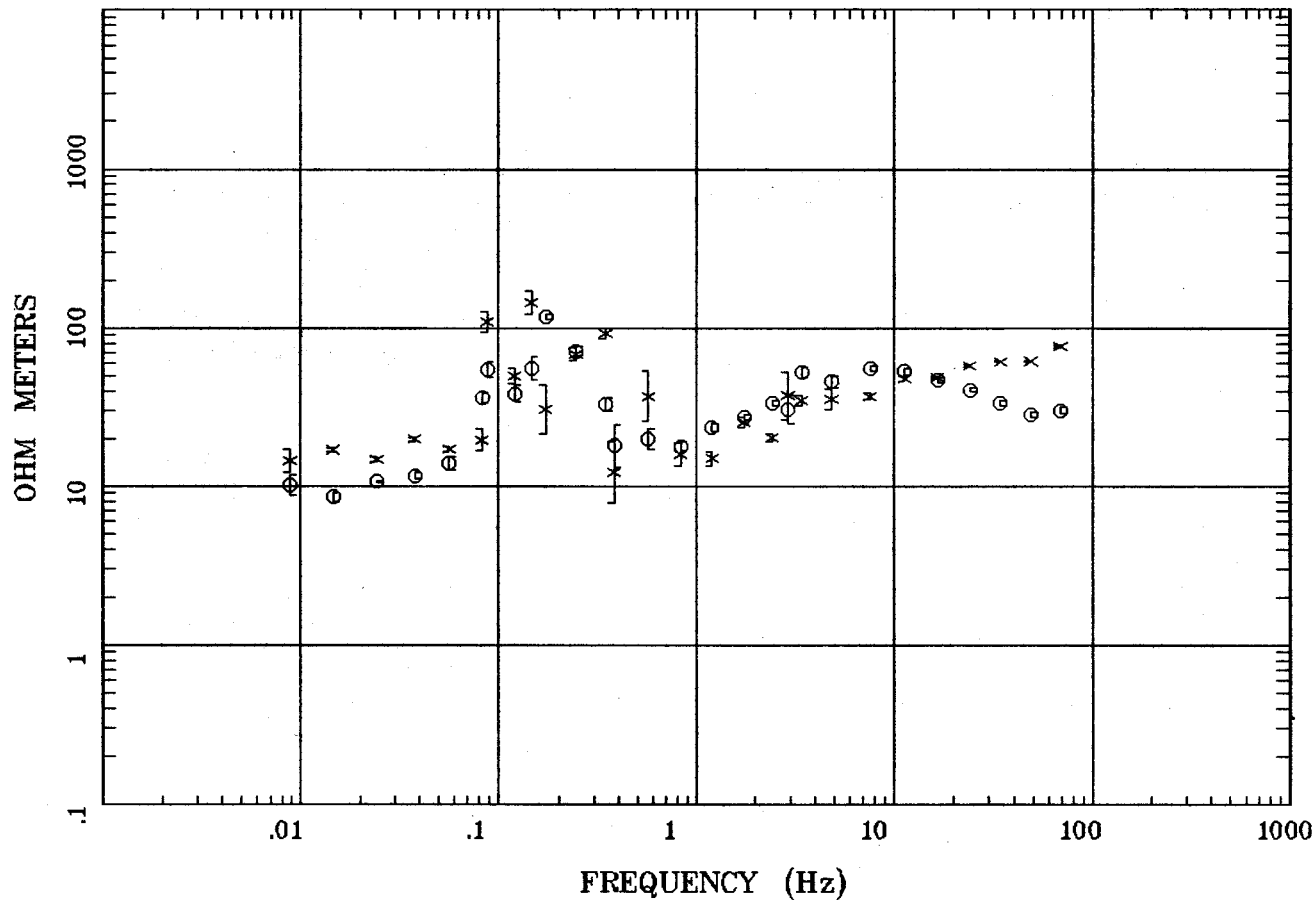
HzHx.x Coh HzHy.o

Wendover, NV 100kmap Station 5



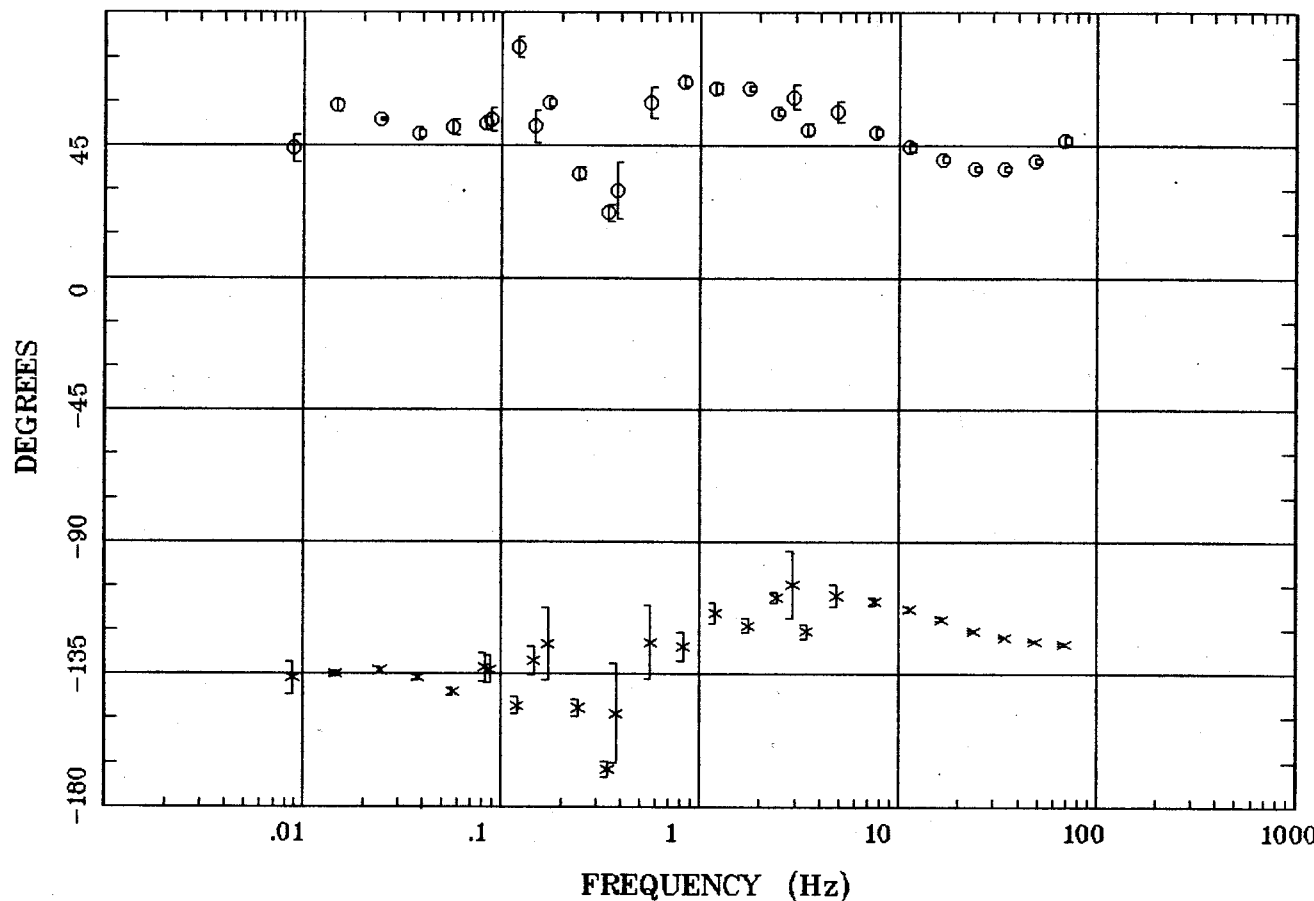
Client:
Remote: e-fld south 90m
Acquired: 09:5 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap05m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



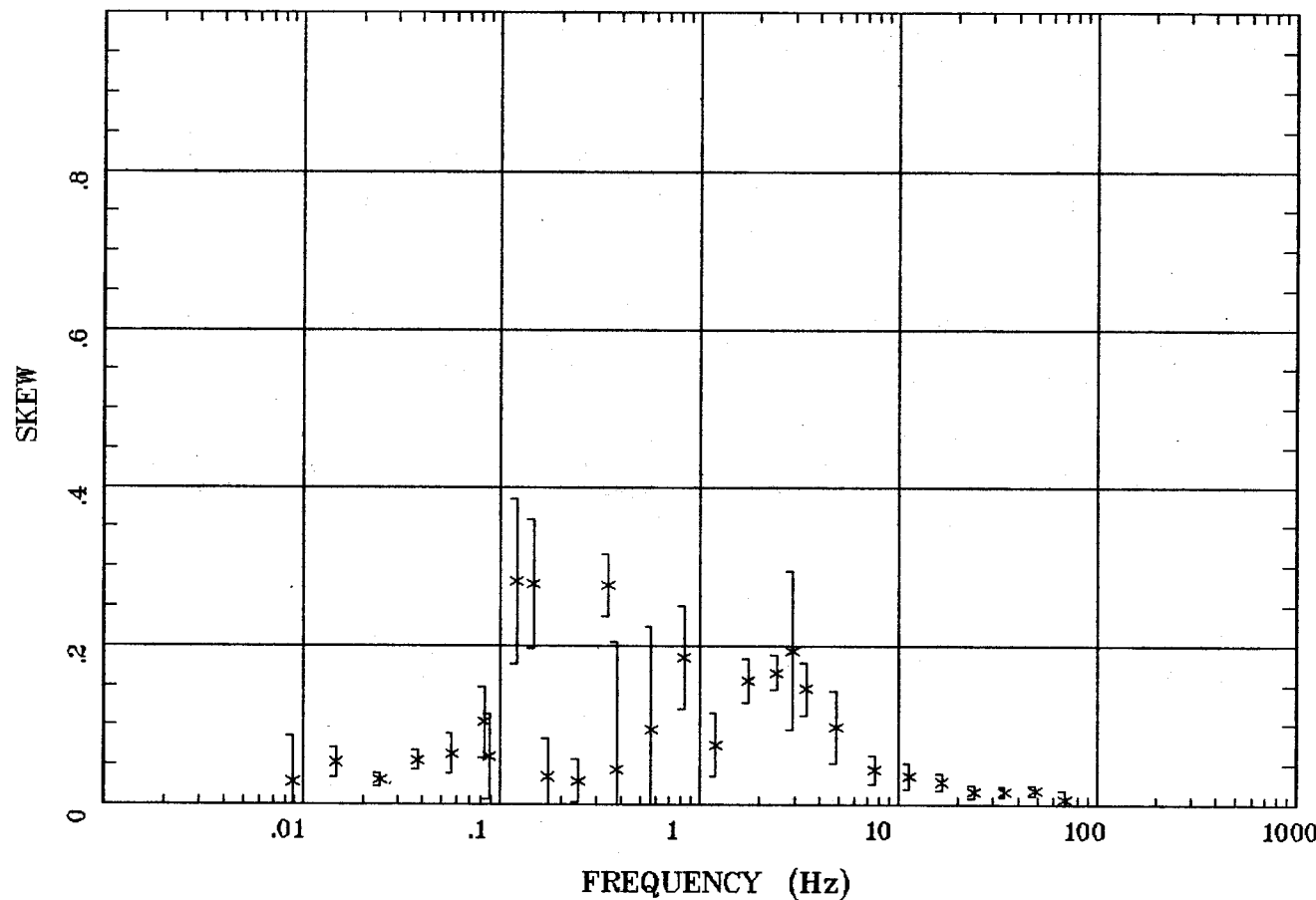
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



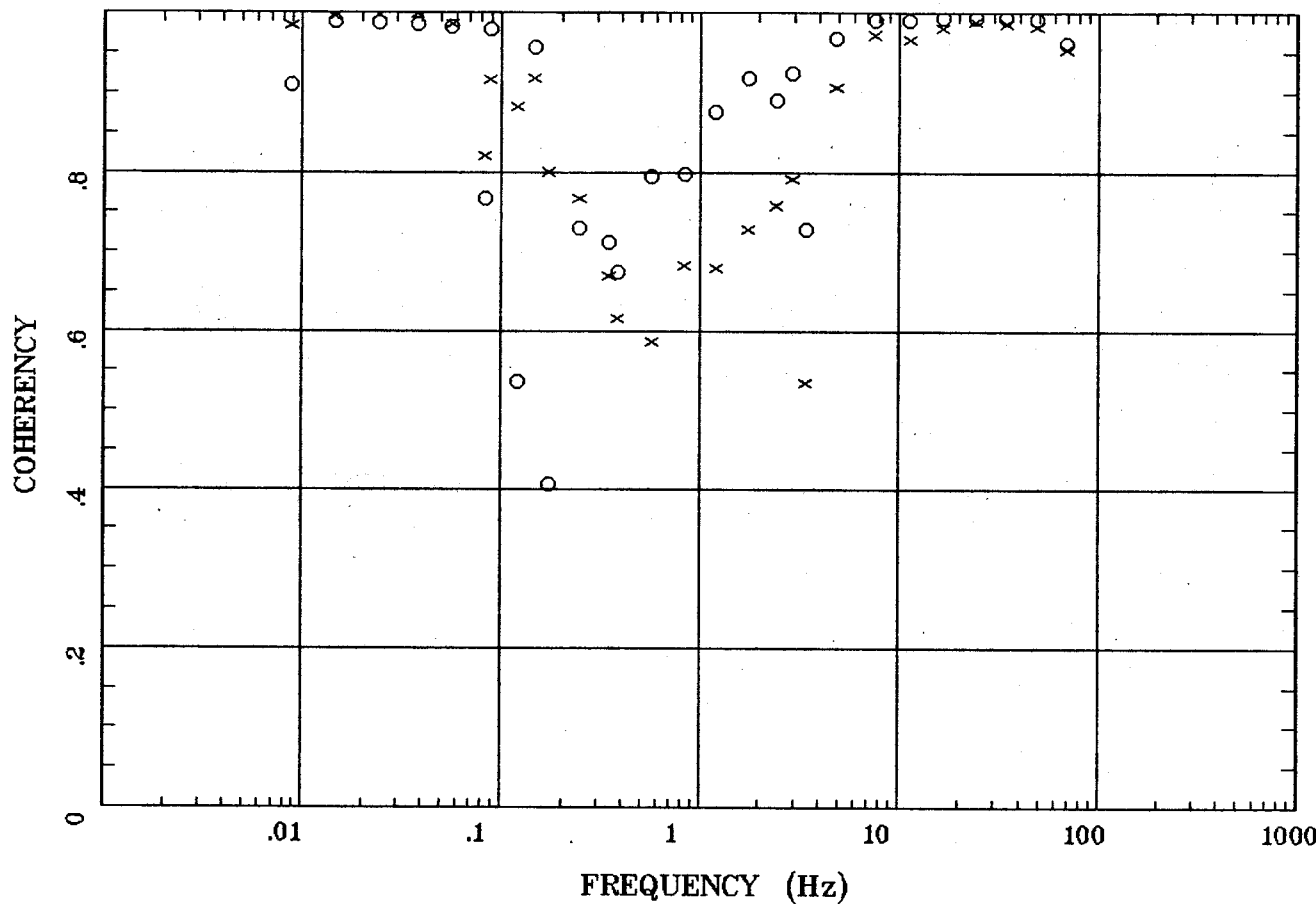
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



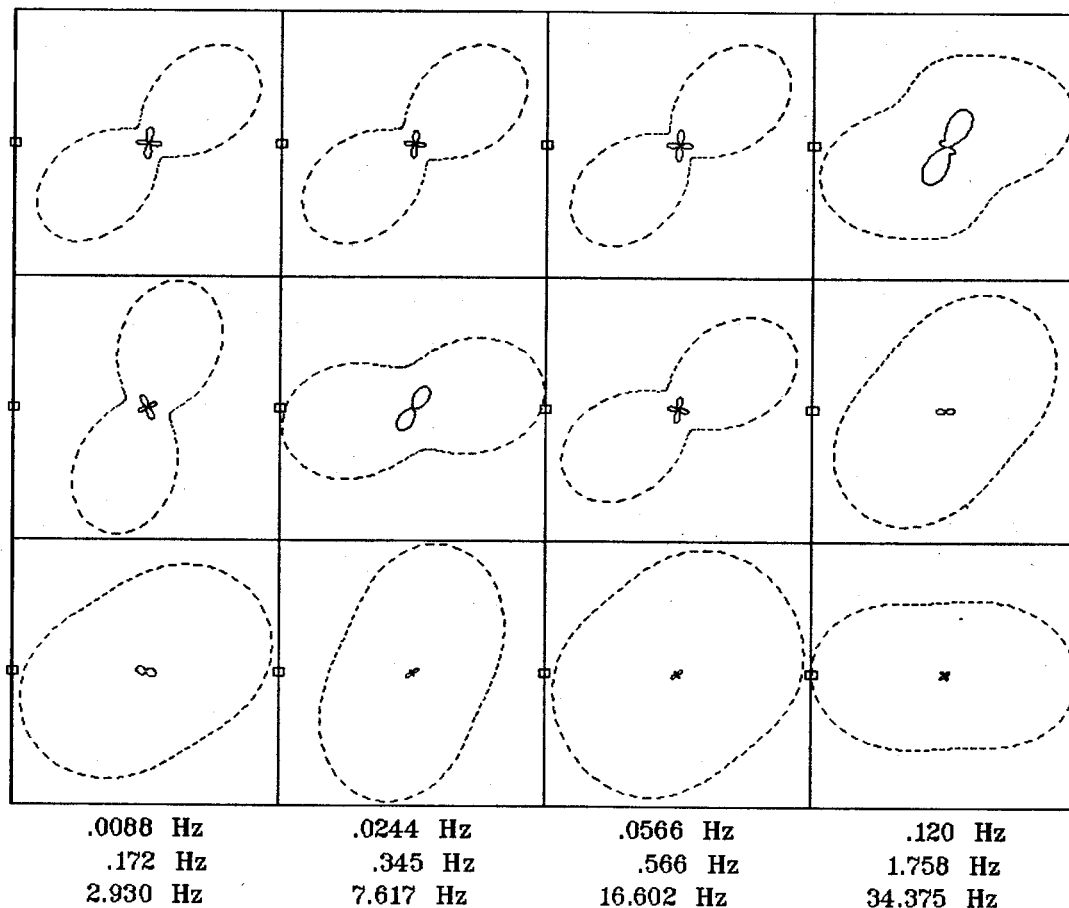
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld north 90m

Acquired: 13:4 Sep 06, 2003

Survey Co:USGS

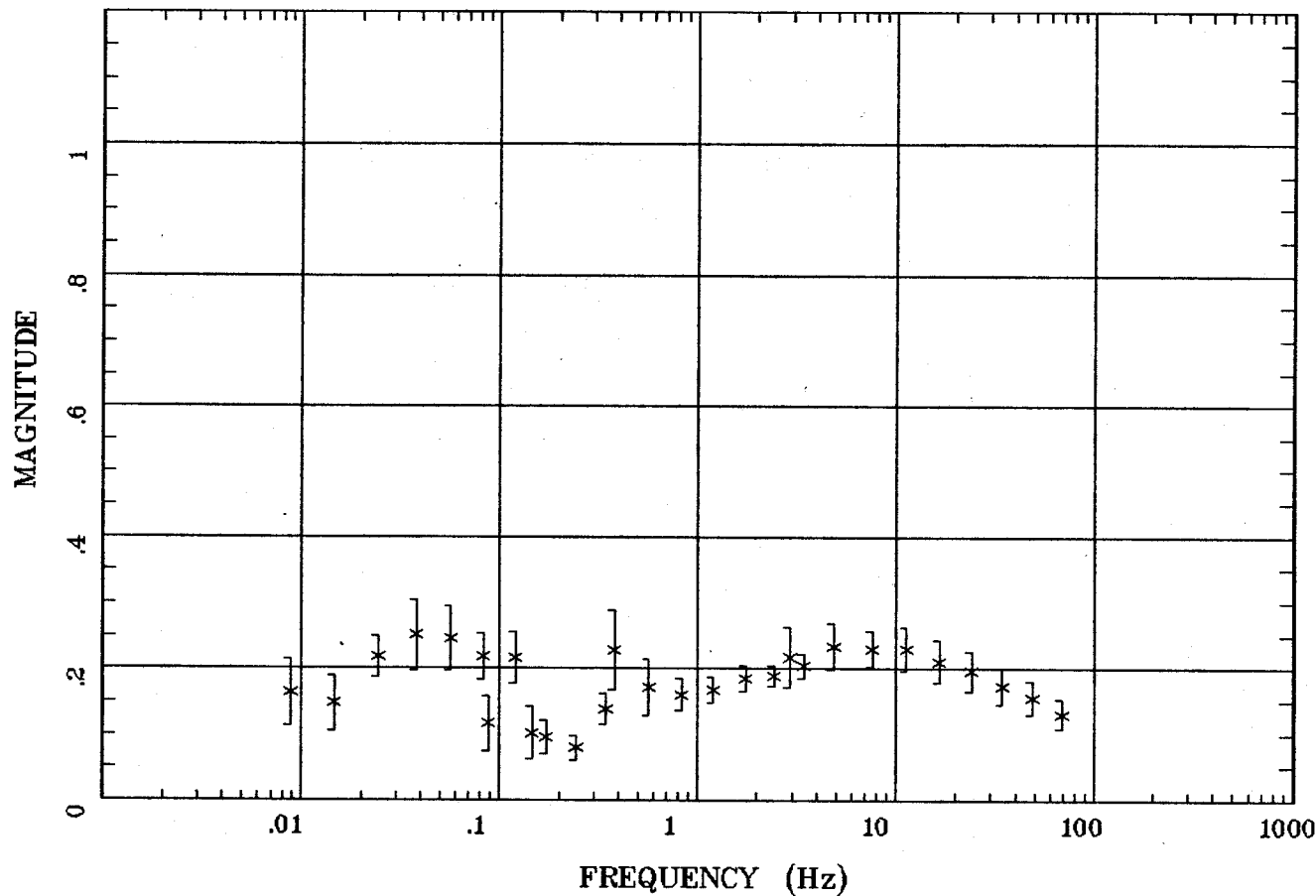
Rotation:

Filename: ap06m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

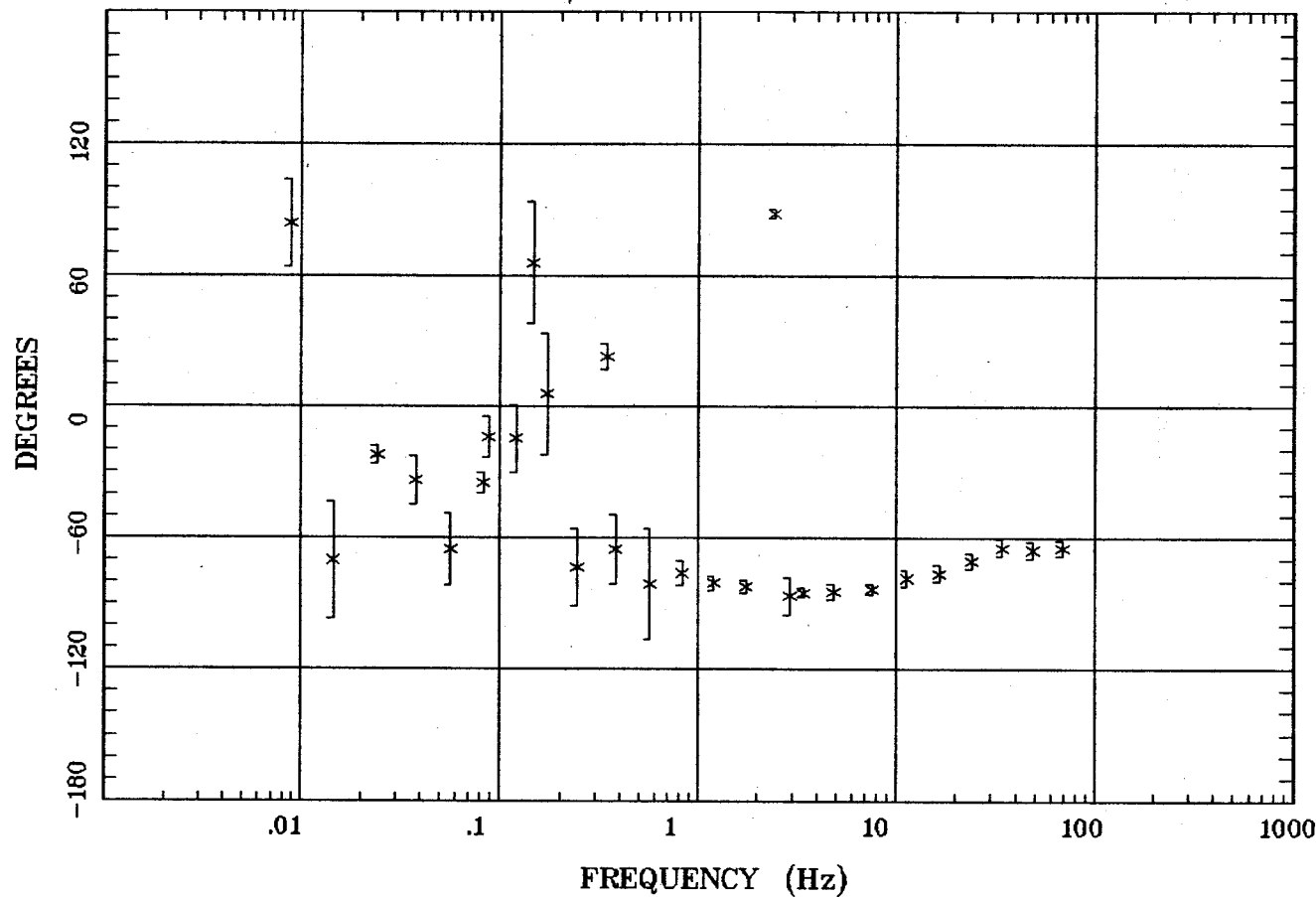
Plotted: 08:30 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



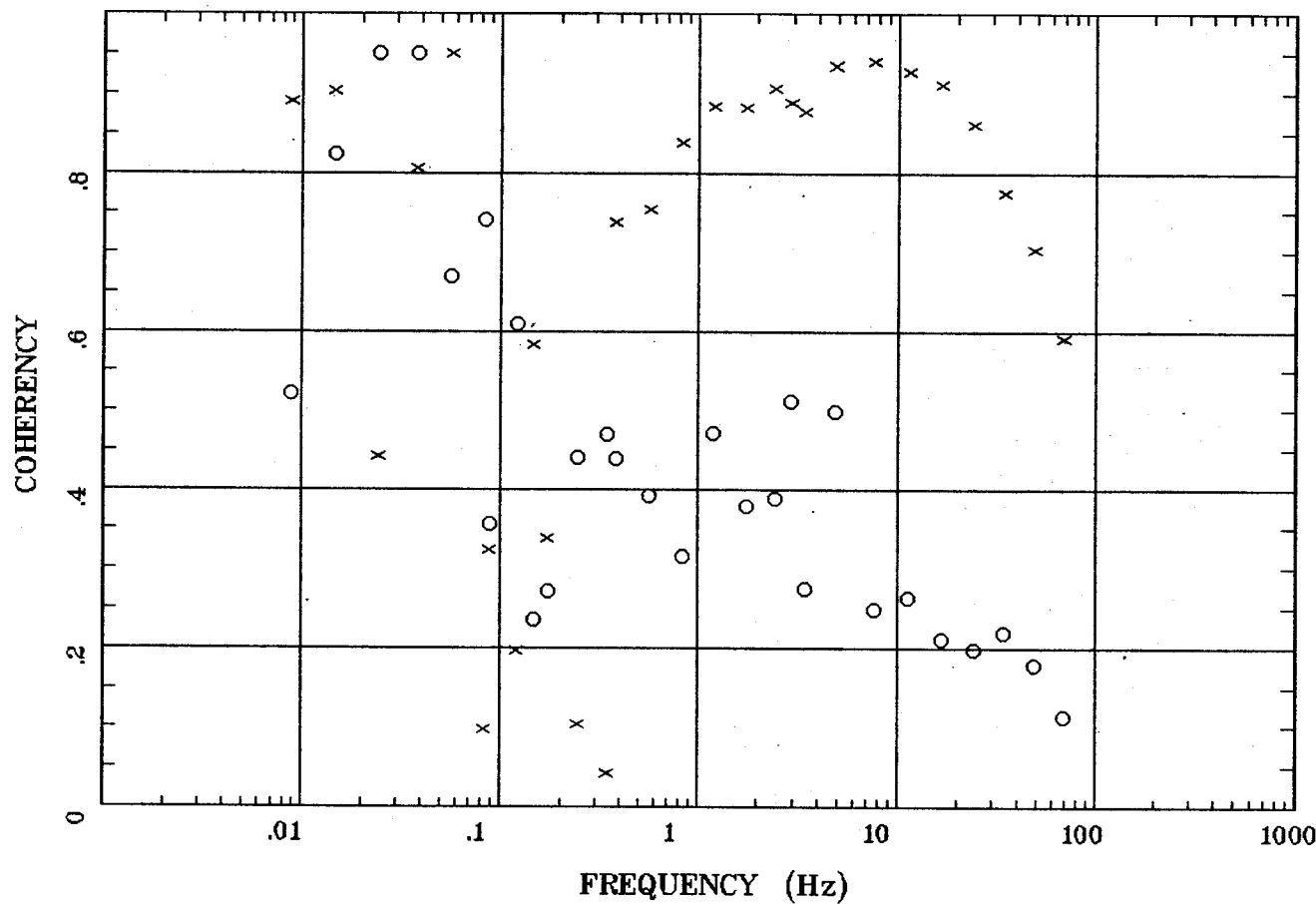
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



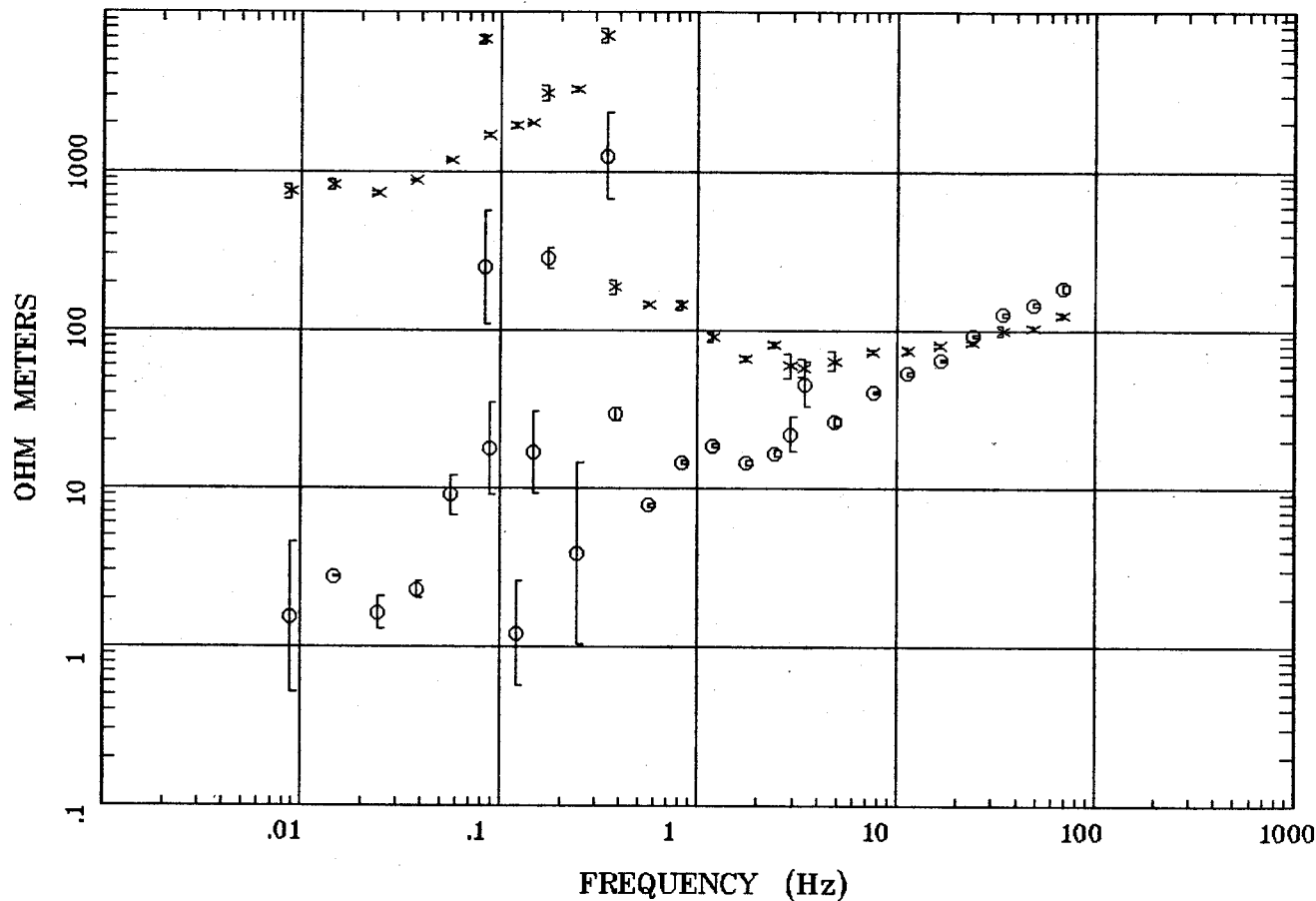
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



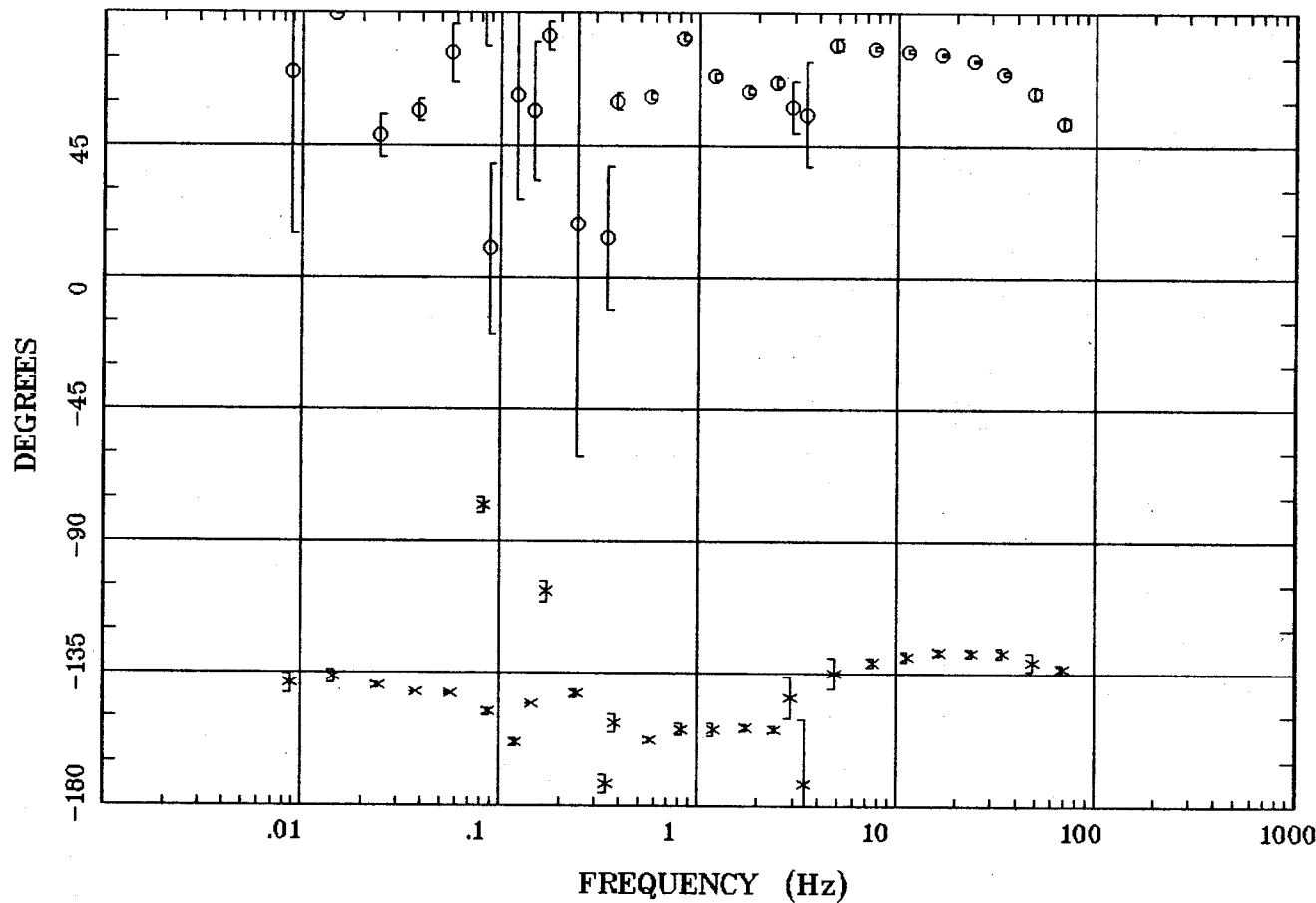
Client:
Remote: e-fld north 90m
Acquired: 13:4 Sep 06, 2003
Survey Co:USGS

Rotation:
Filename: ap06m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:30 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



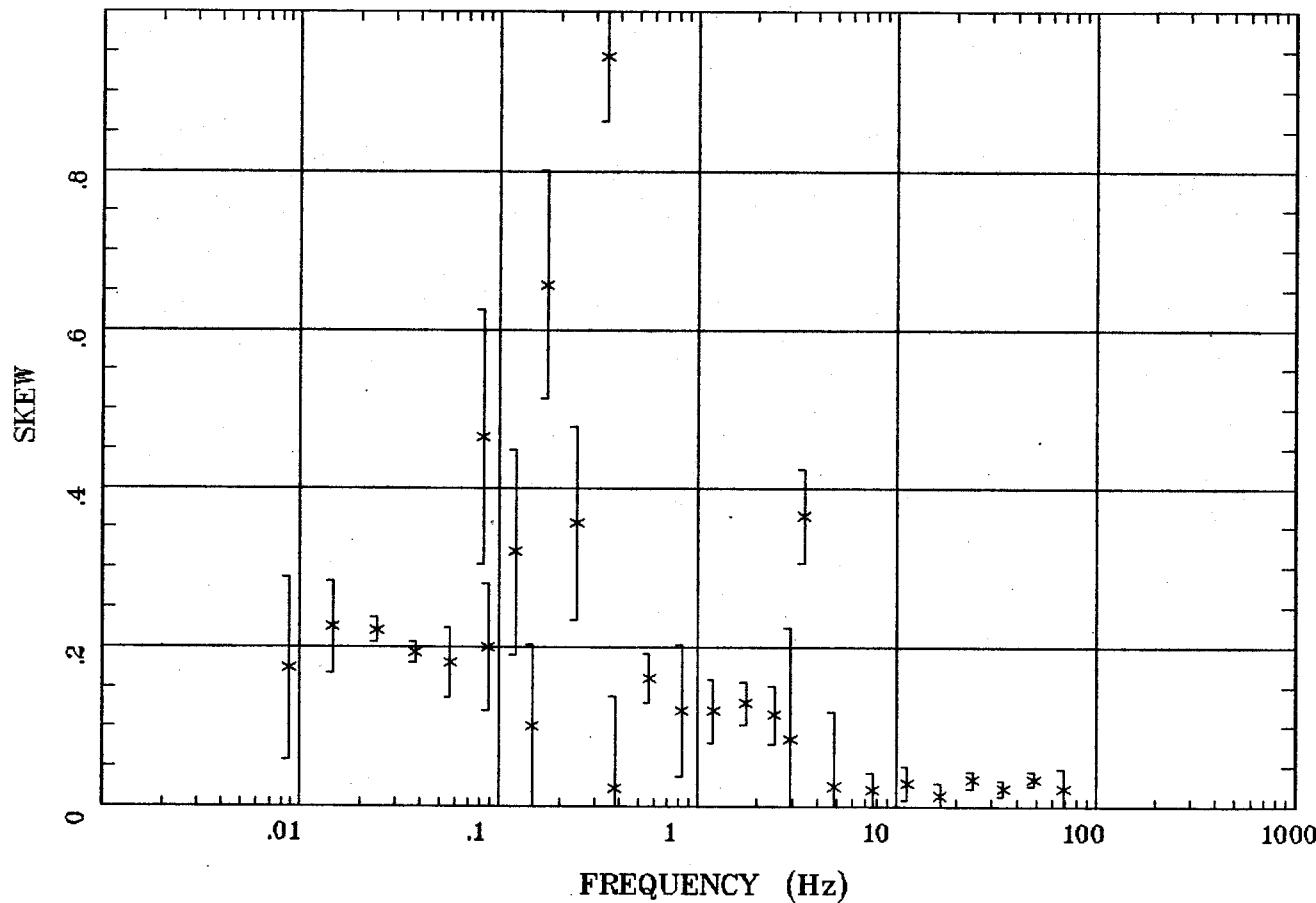
Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



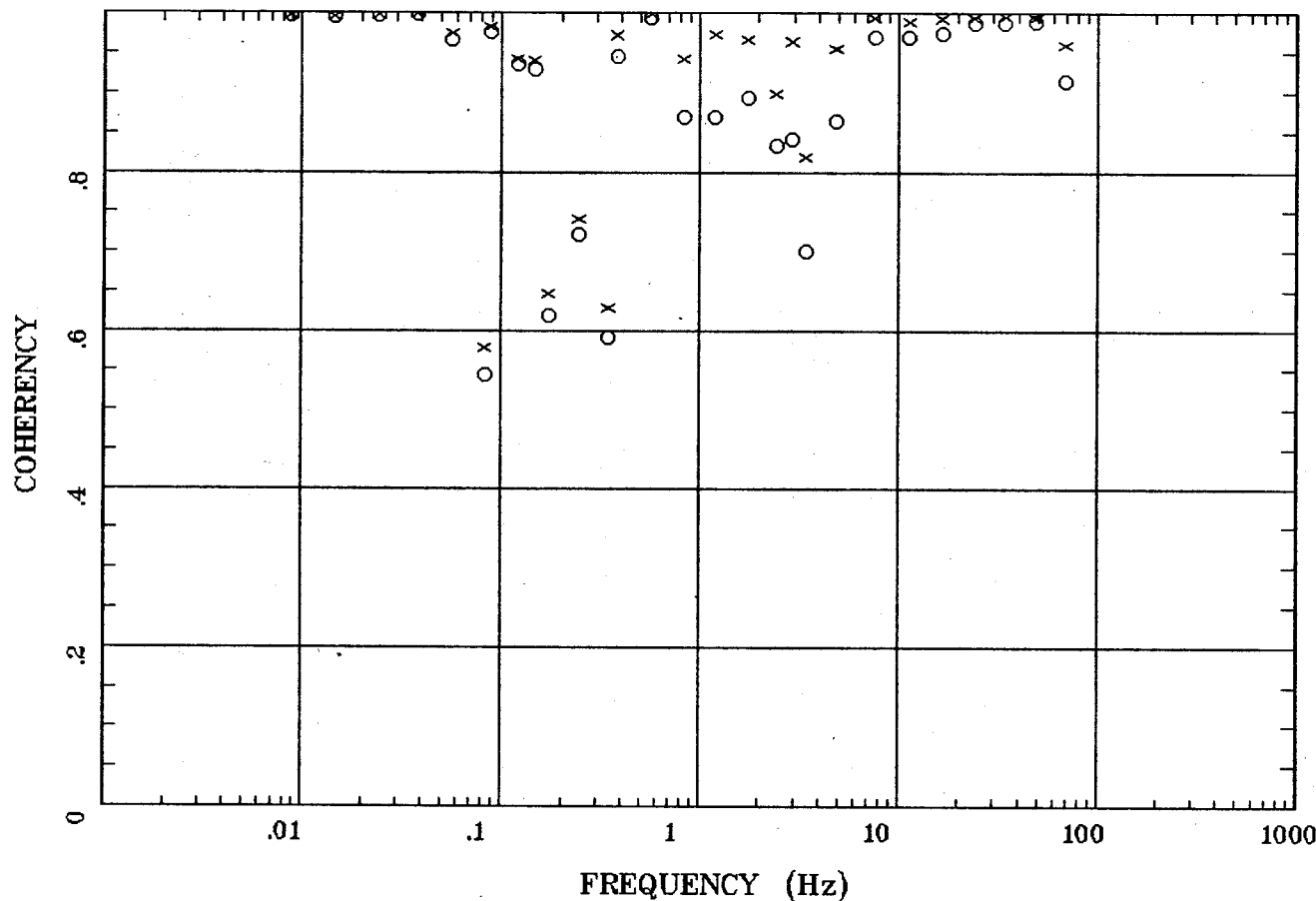
Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



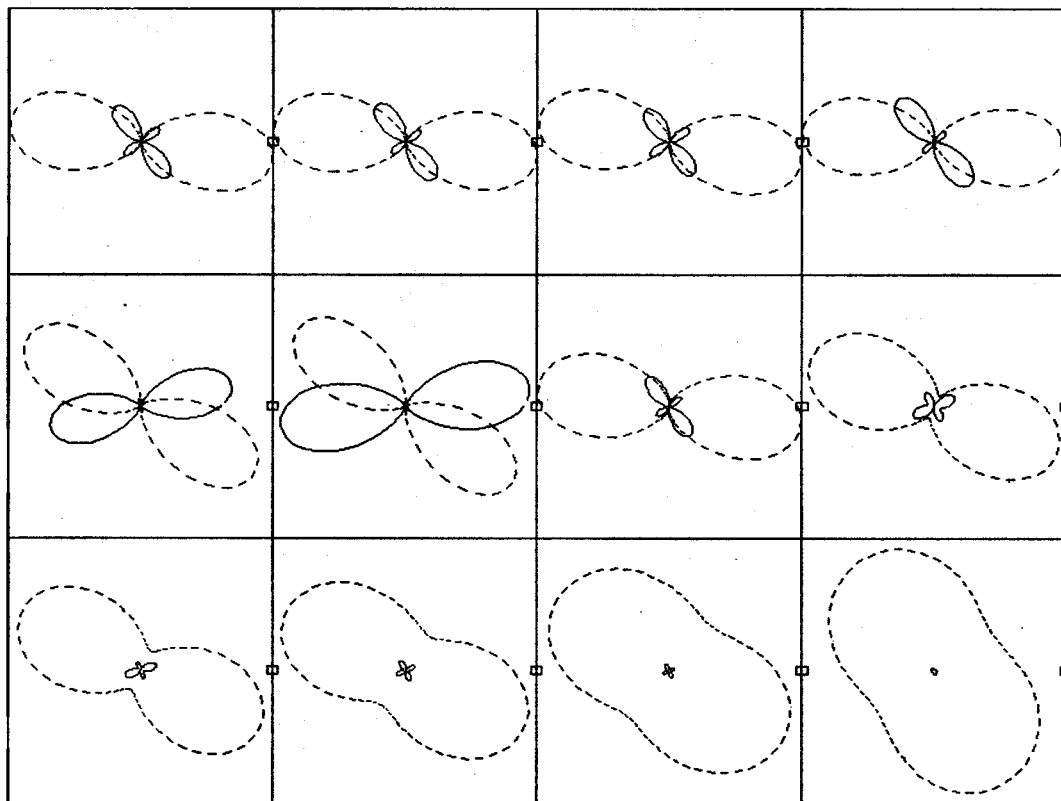
Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



.0088 Hz

.0244 Hz

.0566 Hz

.120 Hz

.172 Hz

.345 Hz

.566 Hz

1.758 Hz

2.930 Hz

7.617 Hz

16.602 Hz

34.375 Hz

Client:

Remote: e-fld north 90m

Acquired: 10:5 Sep 07, 2003

Survey Co:USGS

Rotation:

Filename: ap07m.avg

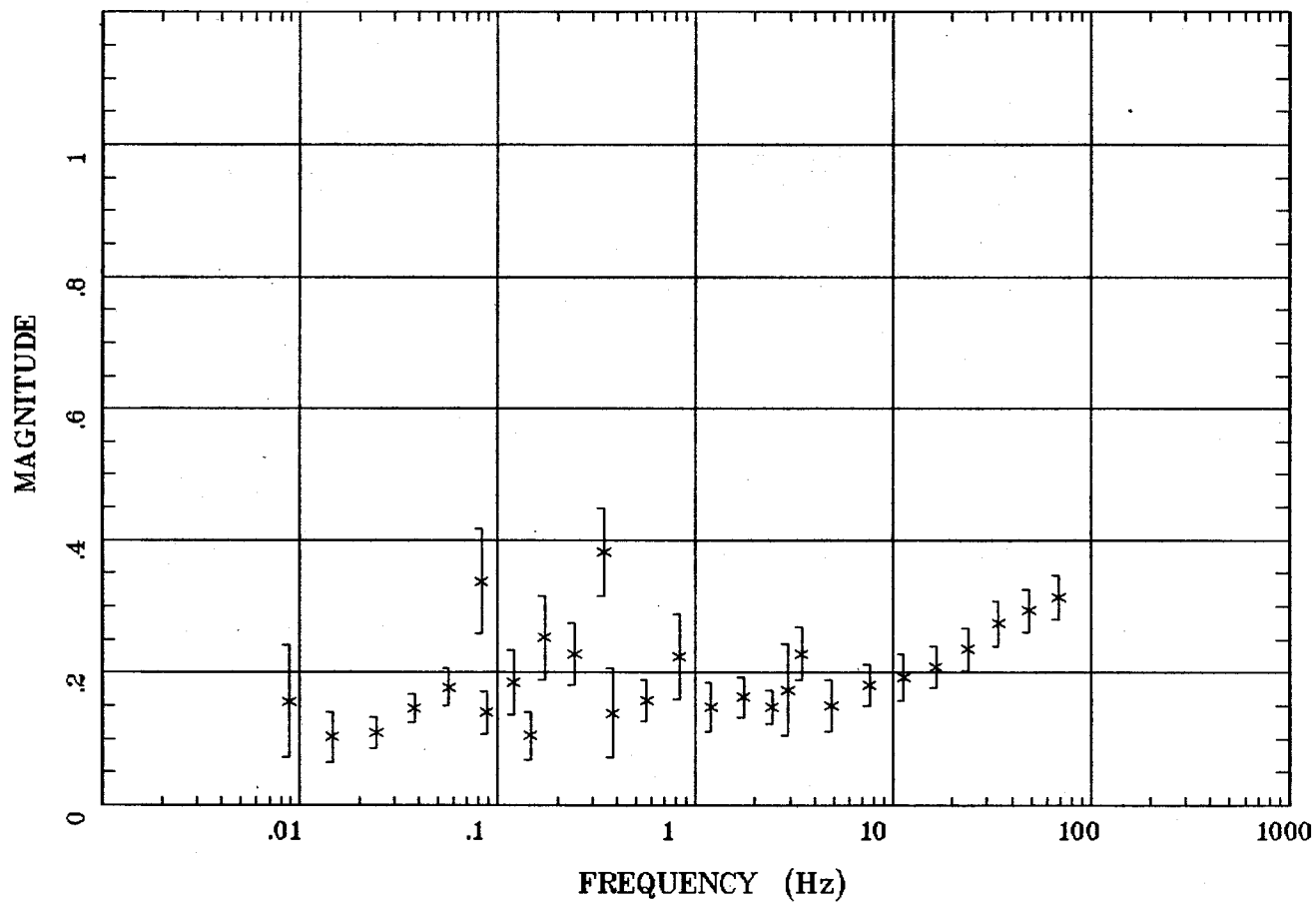
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 08:34 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >

TIPPER MAGNITUDE

Wendover, NV 100kmap Station 7

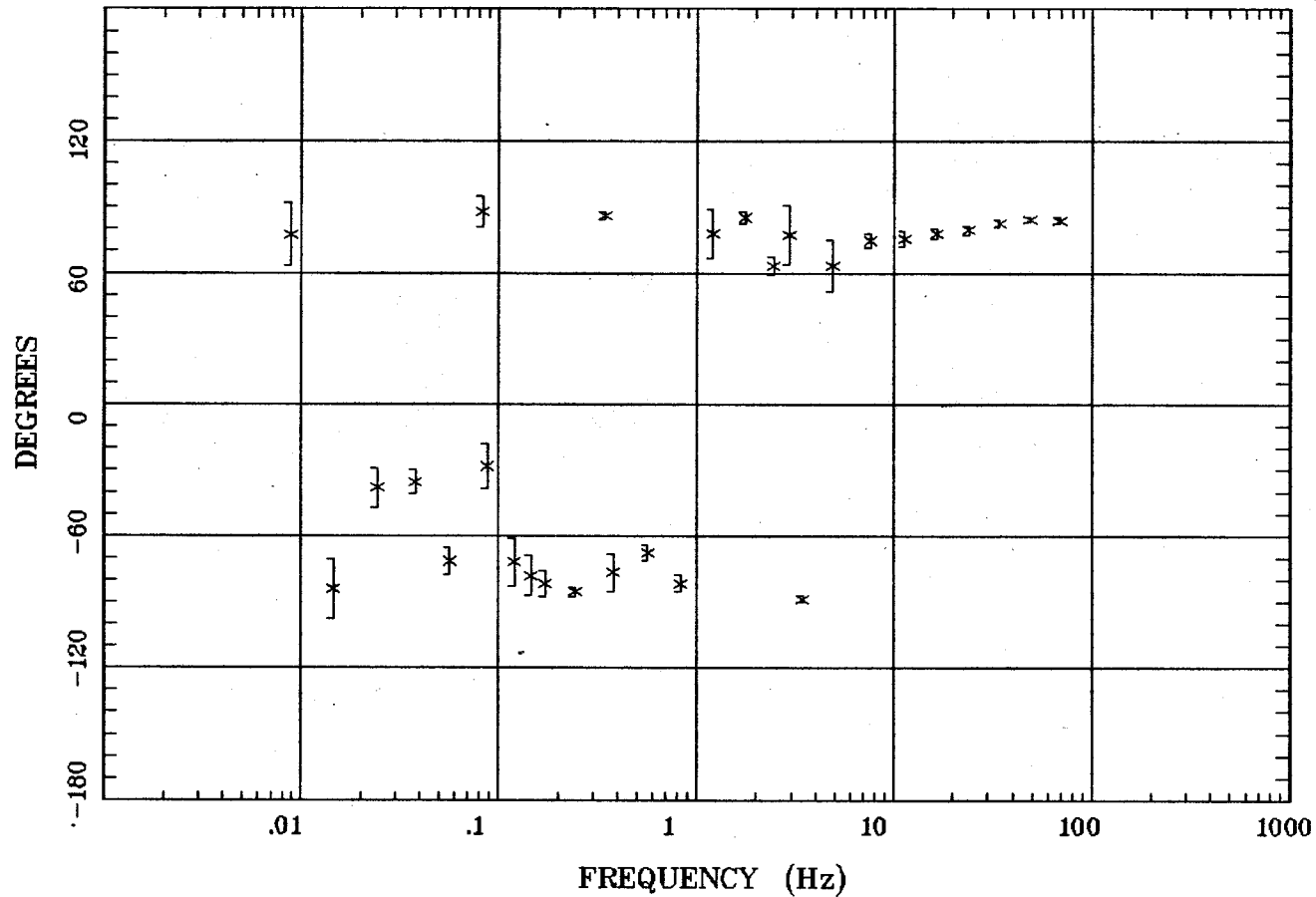


Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

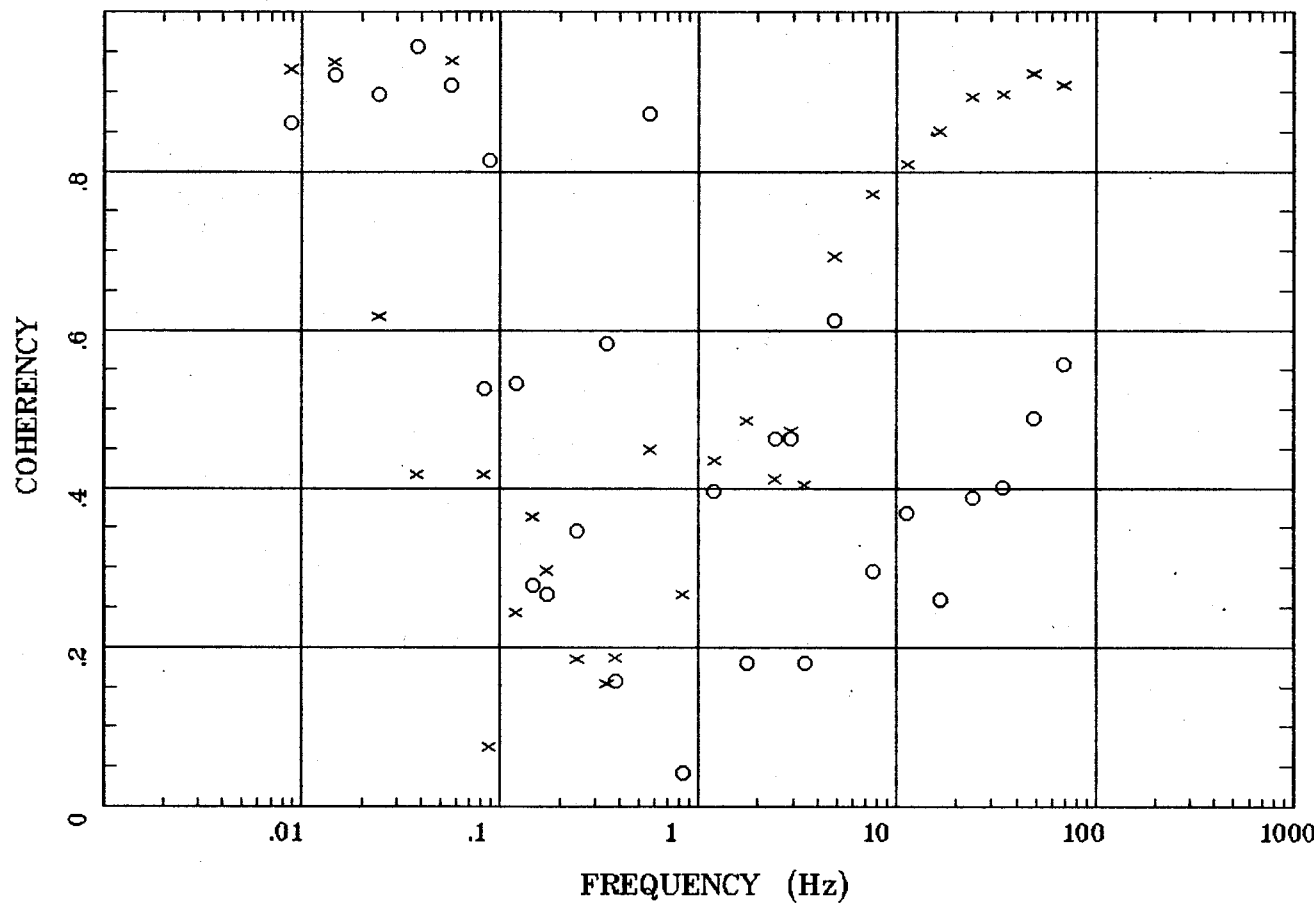
TIPPER STRIKE

Wendover, NV 100kmap Station 7



Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

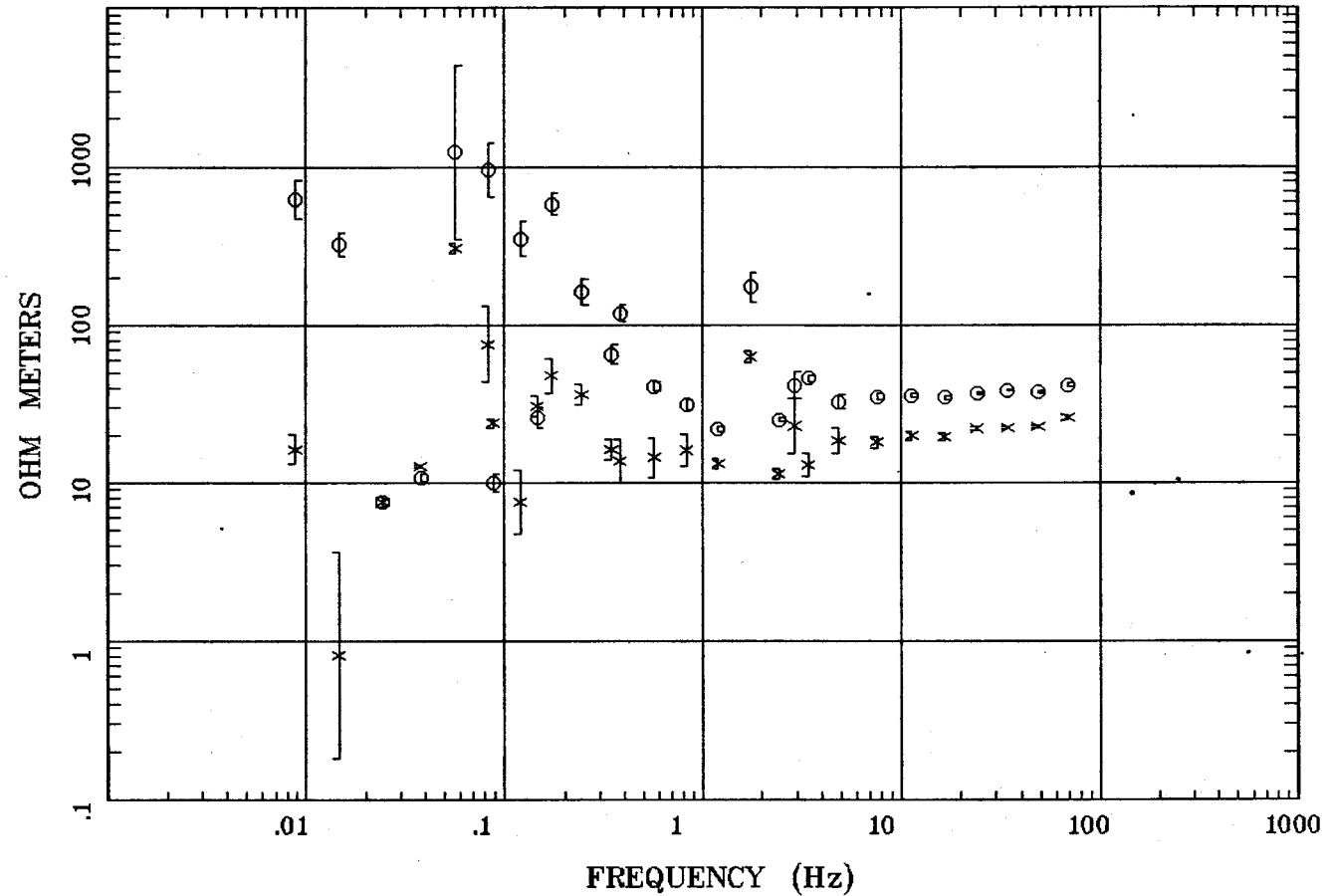


Client:
Remote: e-fld north 90m
Acquired: 10:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap07m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:34 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

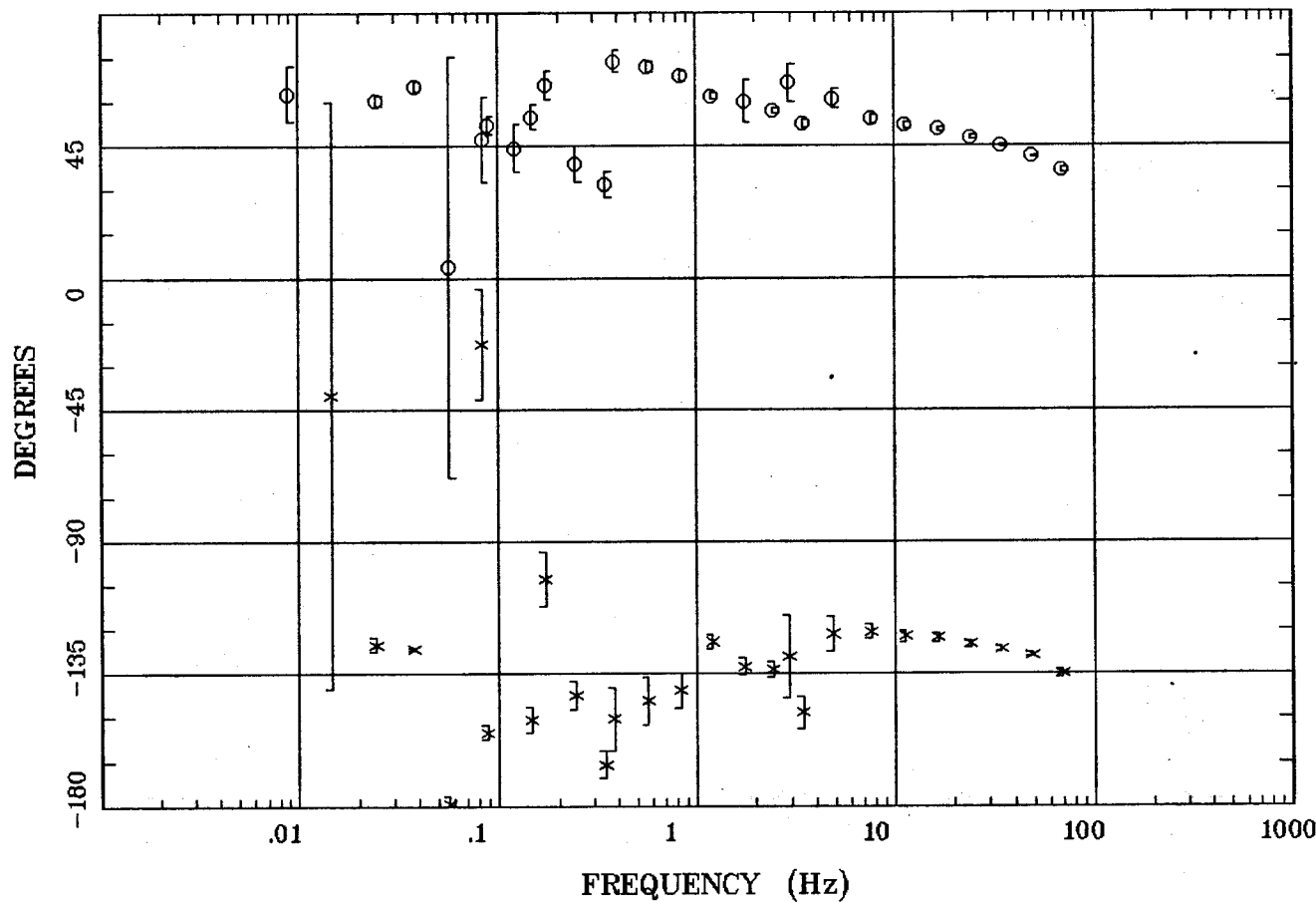
APPARENT RESISTIVITY

Wendover, NV 100kmap Station 8



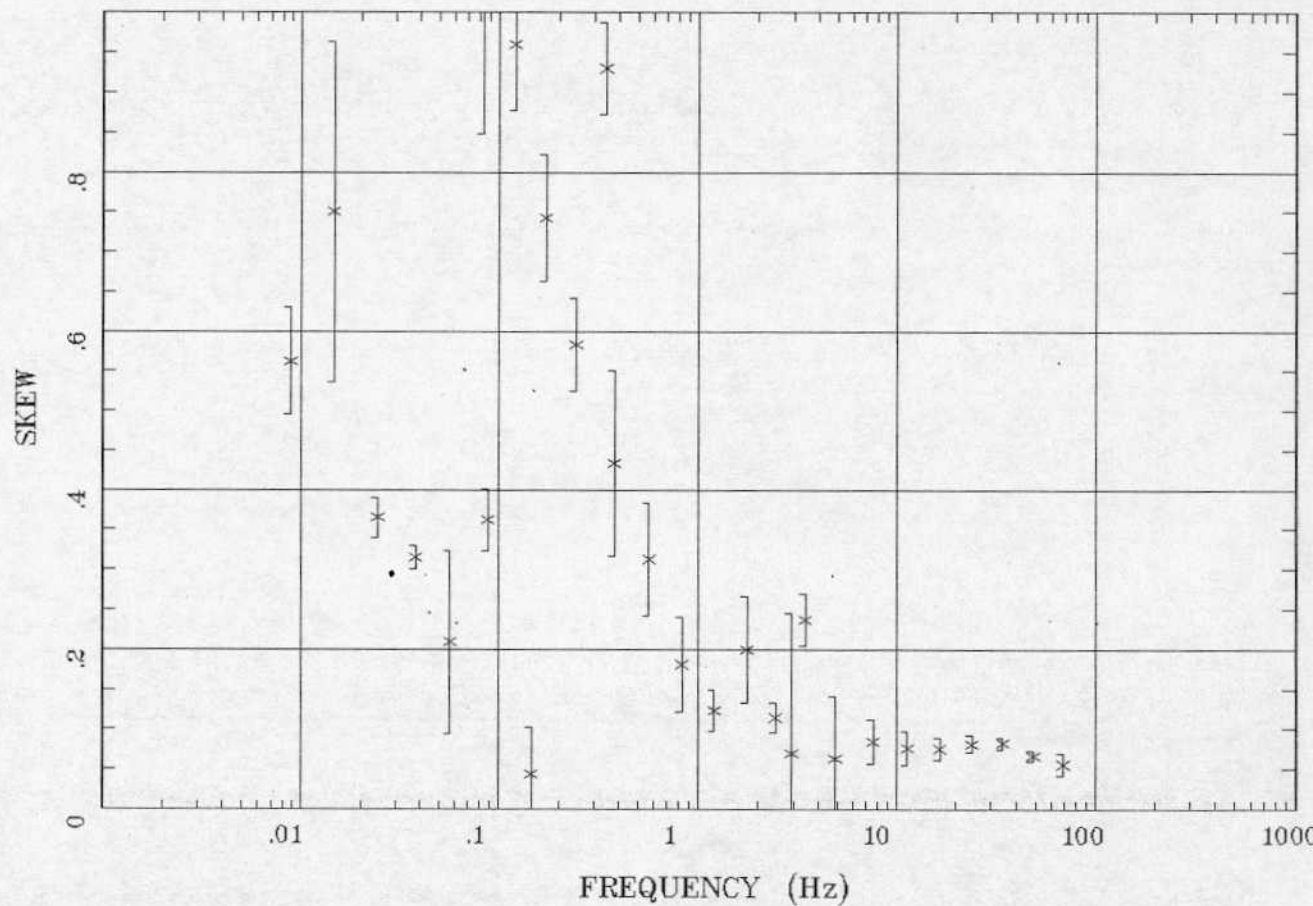
Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



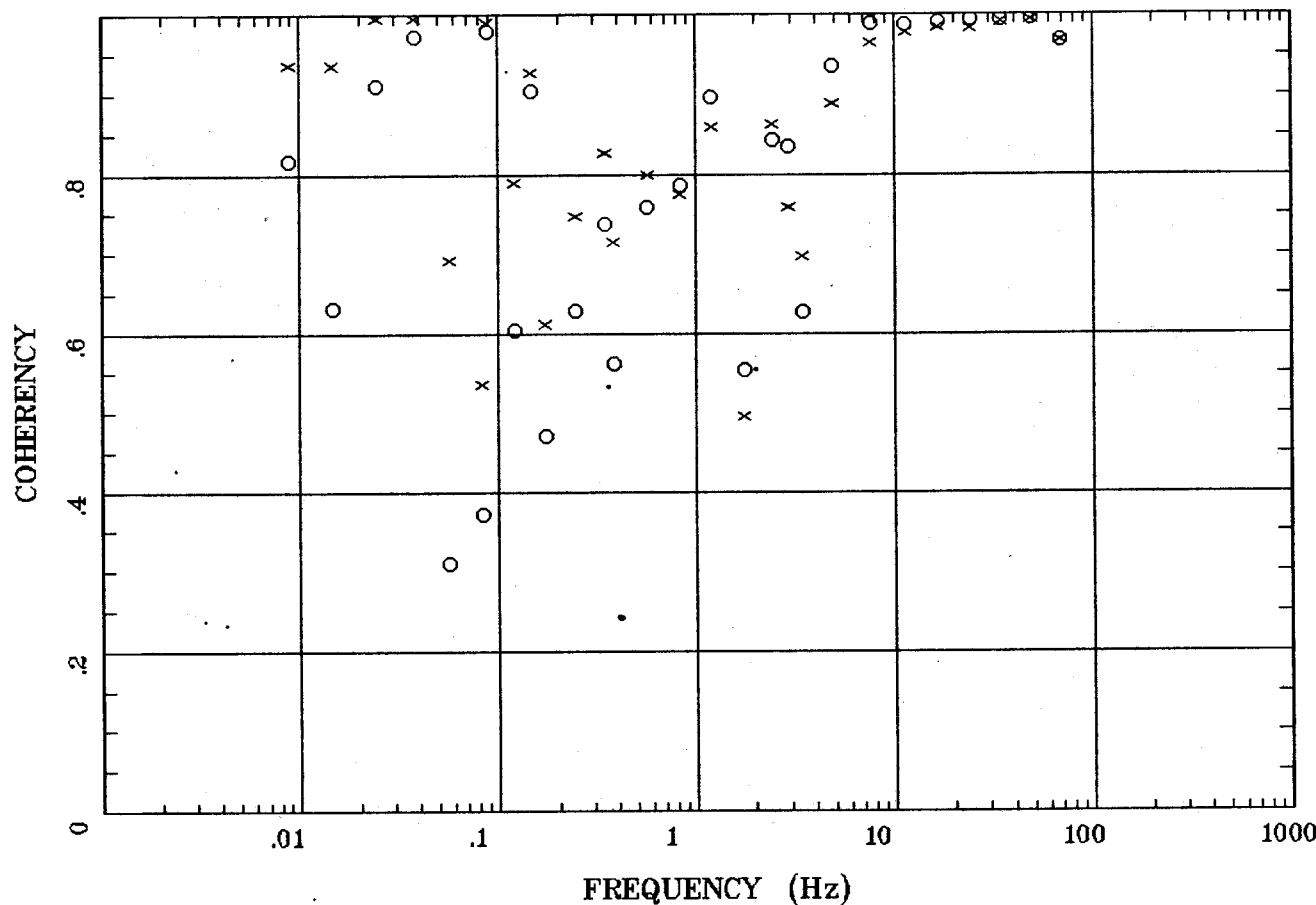
Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



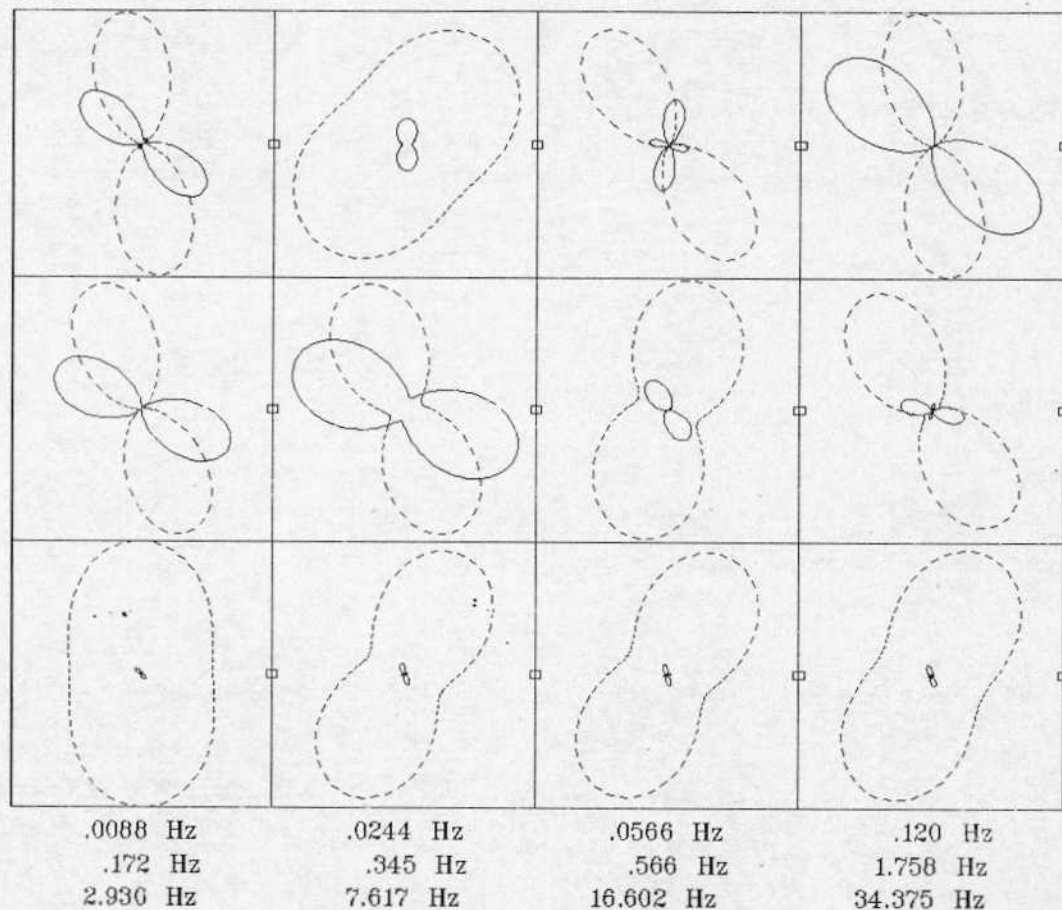
Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld north 90m

Acquired: 15:5 Sep 07, 2003

Survey Co:USGS

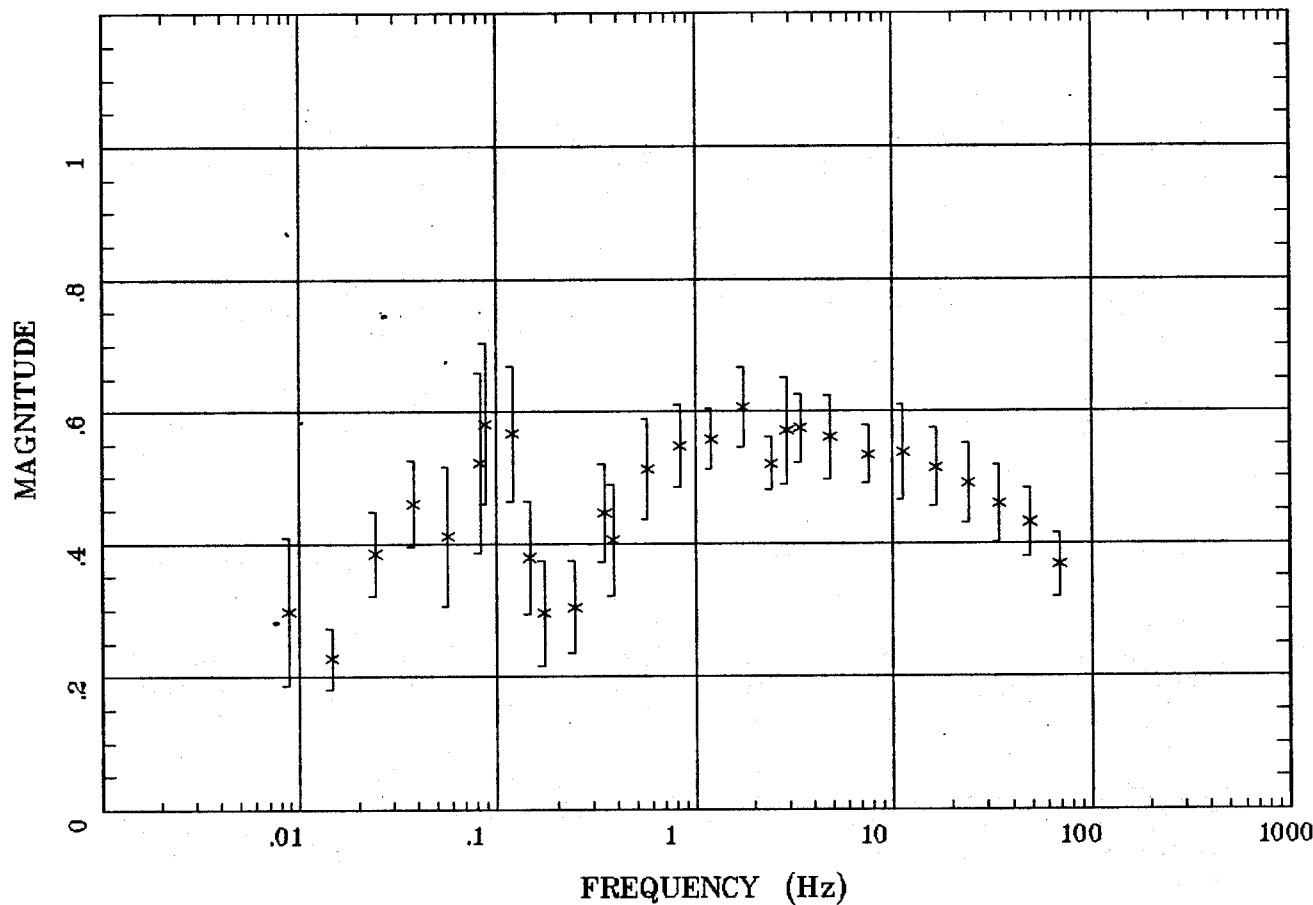
Rotation:

Filename: ap08n.avg

Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 14:27 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >

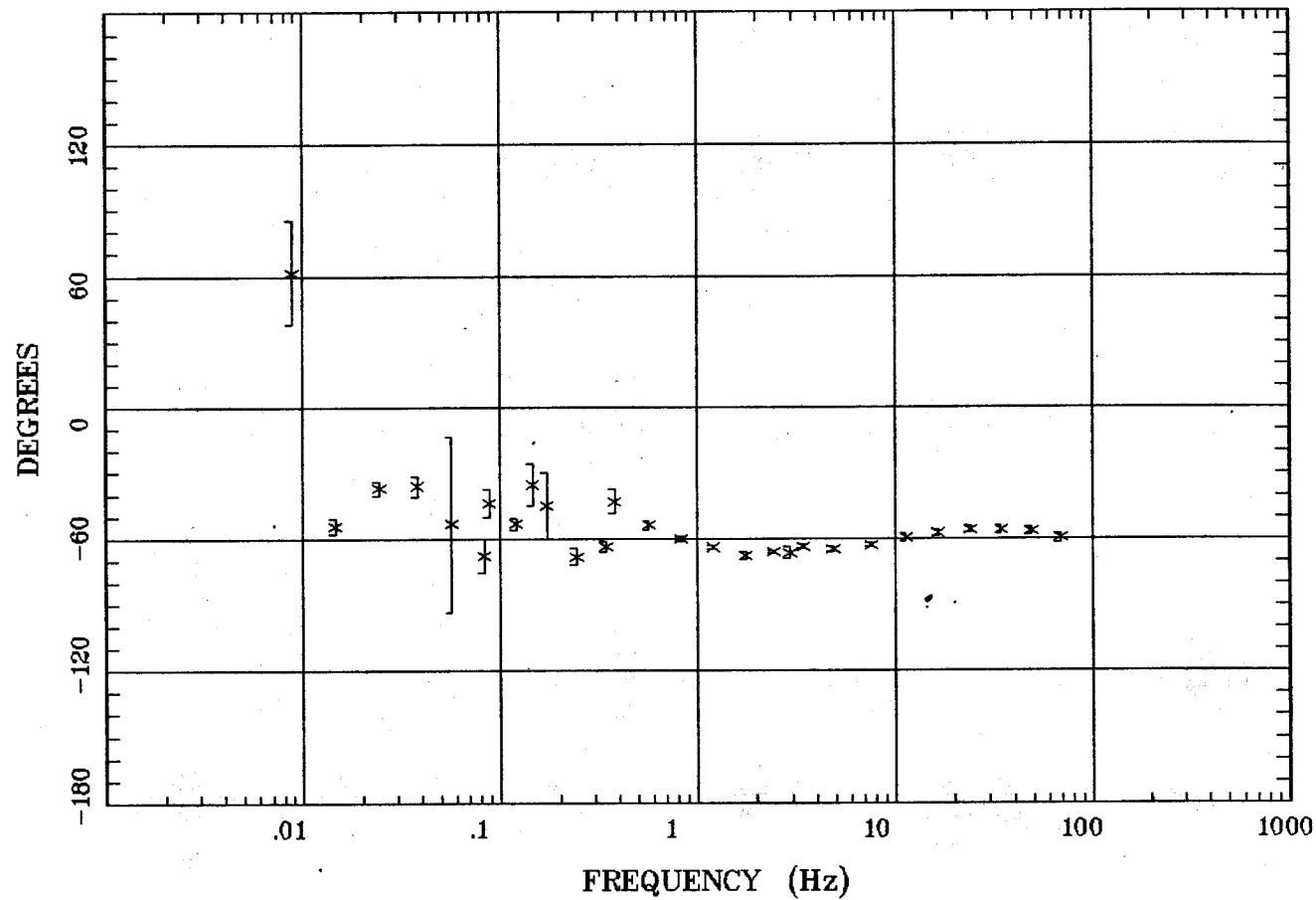


Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

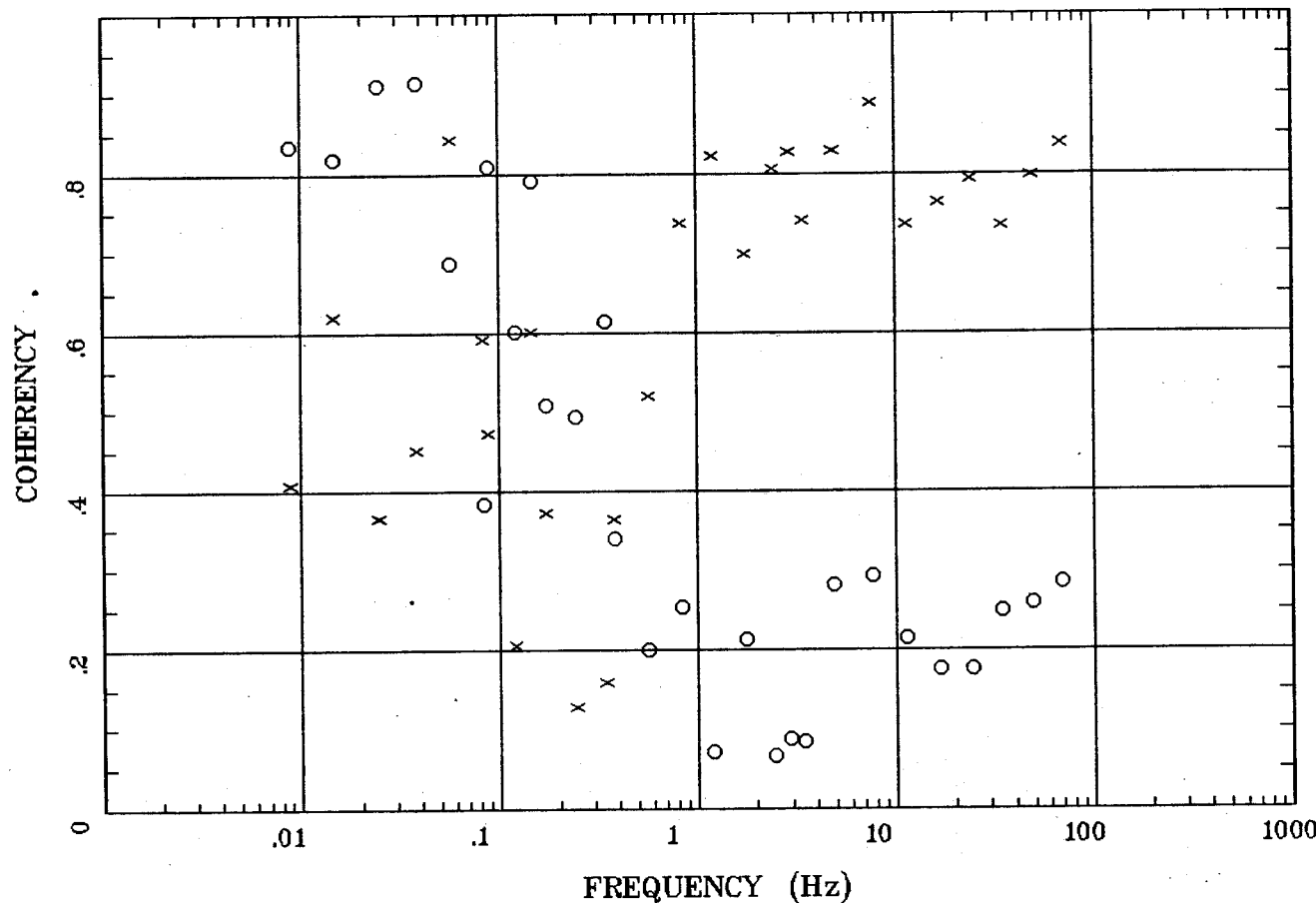
TIPPER STRIKE

Wendover, NV 100kmap Station 8



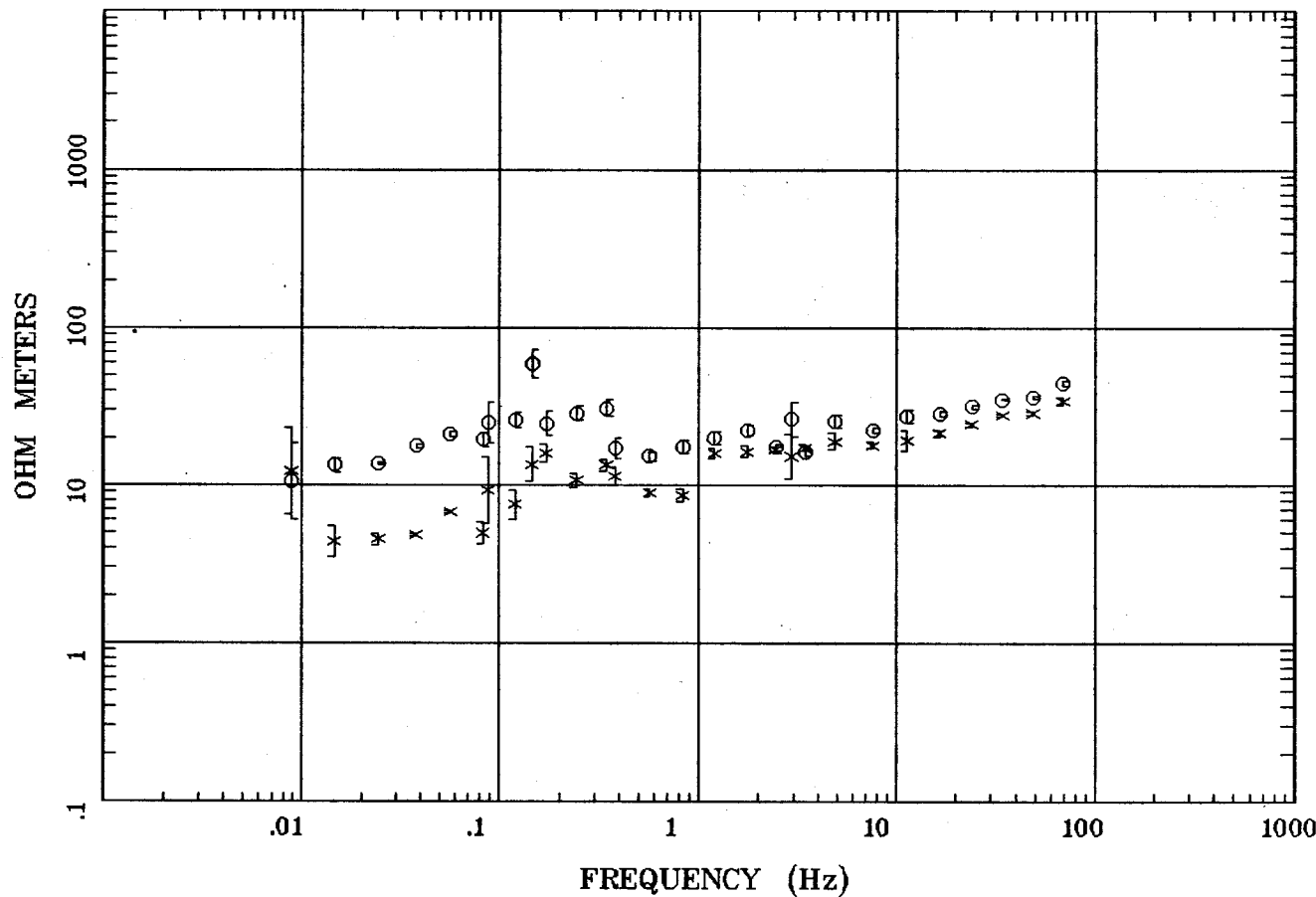
Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



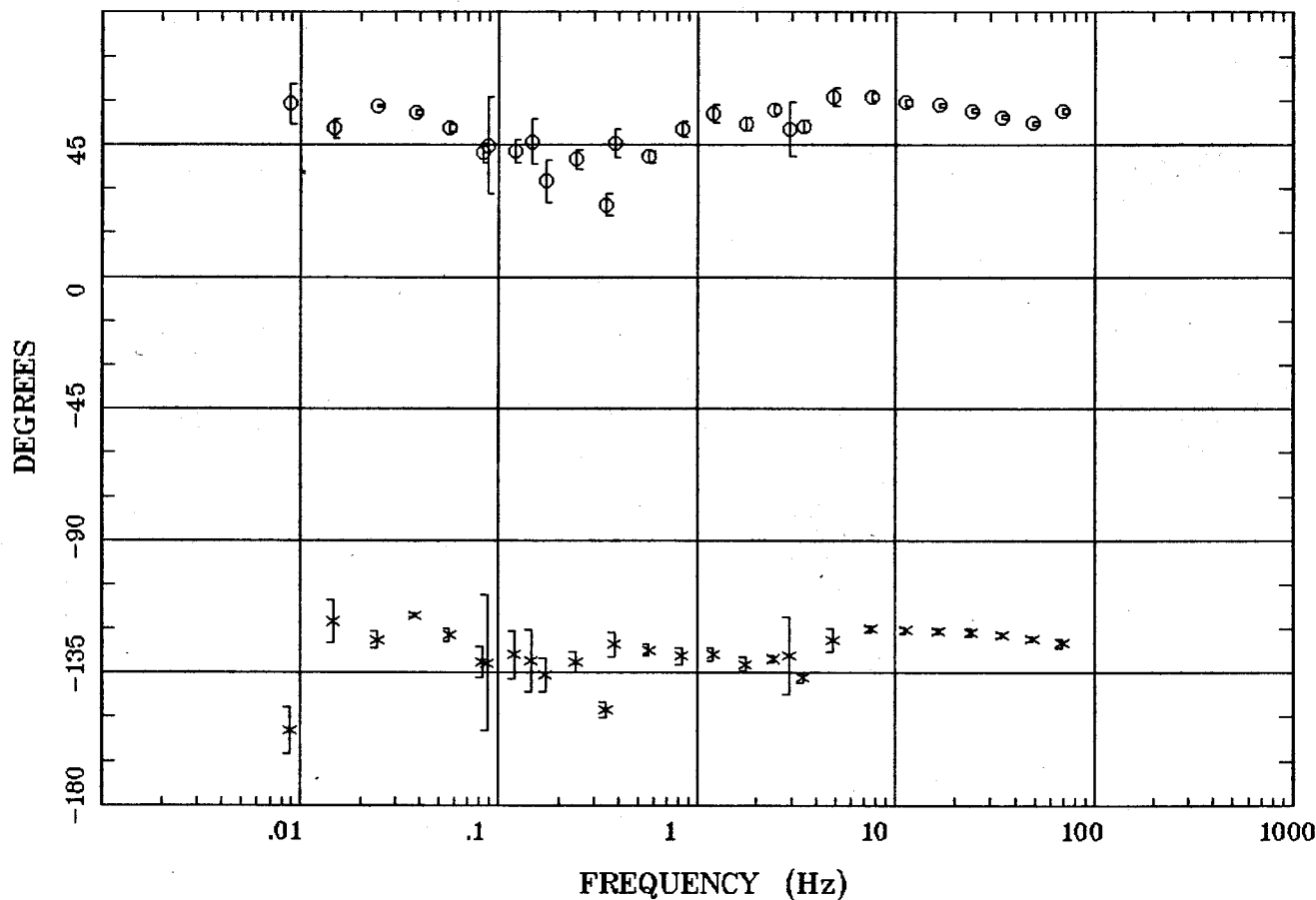
Client:
Remote: e-fld north 90m
Acquired: 15:5 Sep 07, 2003
Survey Co:USGS

Rotation:
Filename: ap08n.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



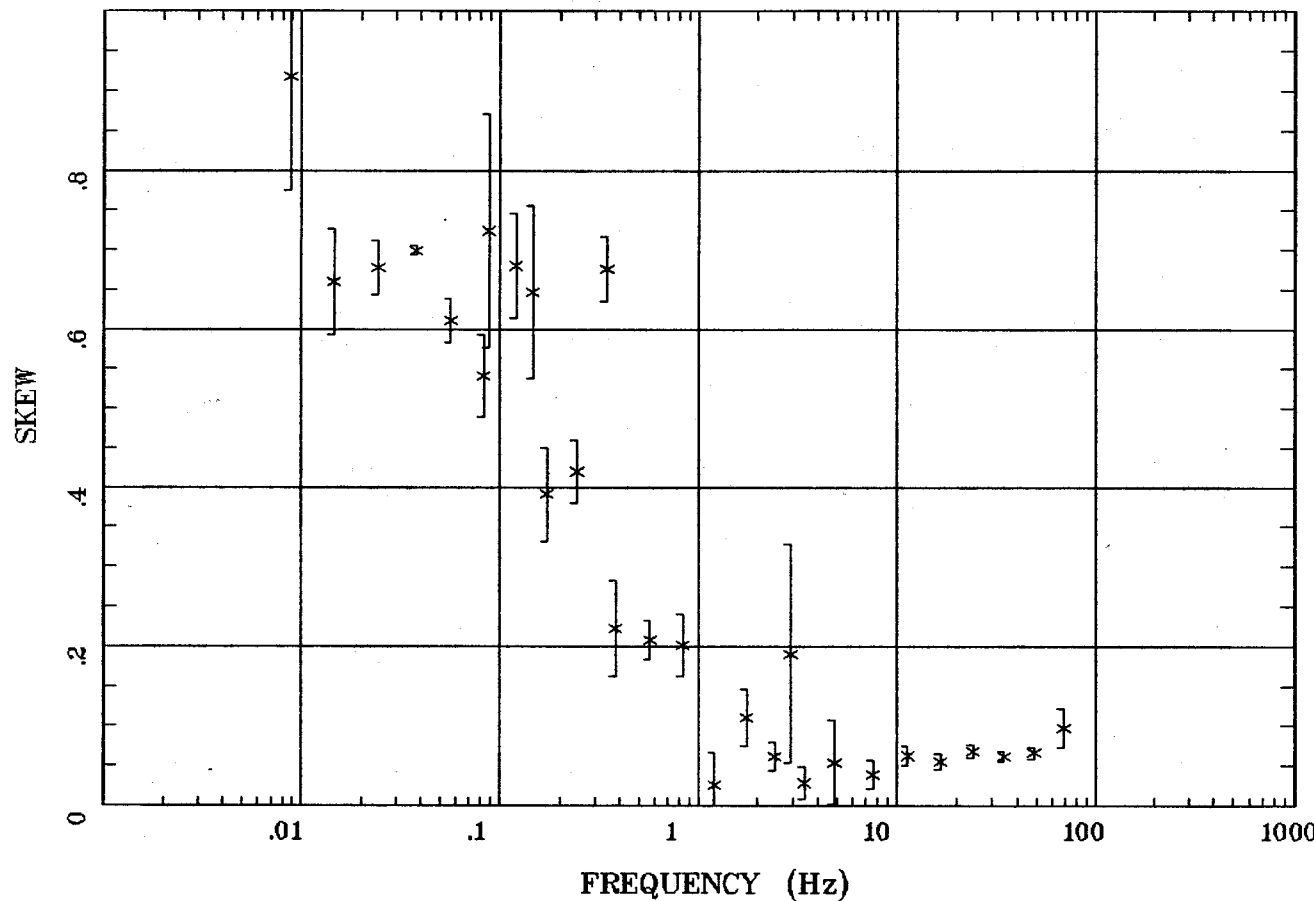
Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

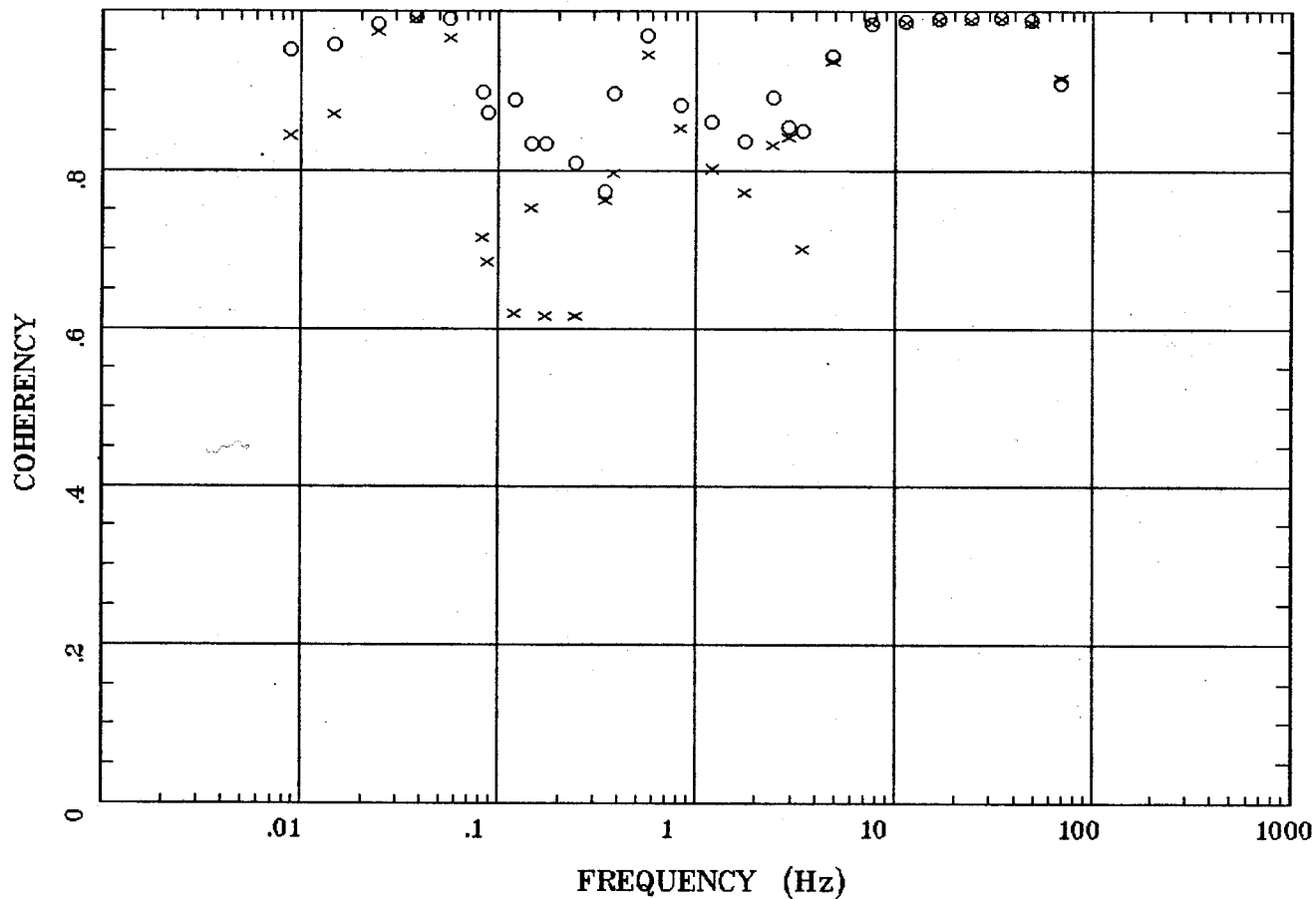


Client:
 Remote: e-fld south 90m
 Acquired: 10:0 Sep 08, 2003
 Survey Co:USGS

Rotation:
 Filename: ap09m.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 08:36 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >

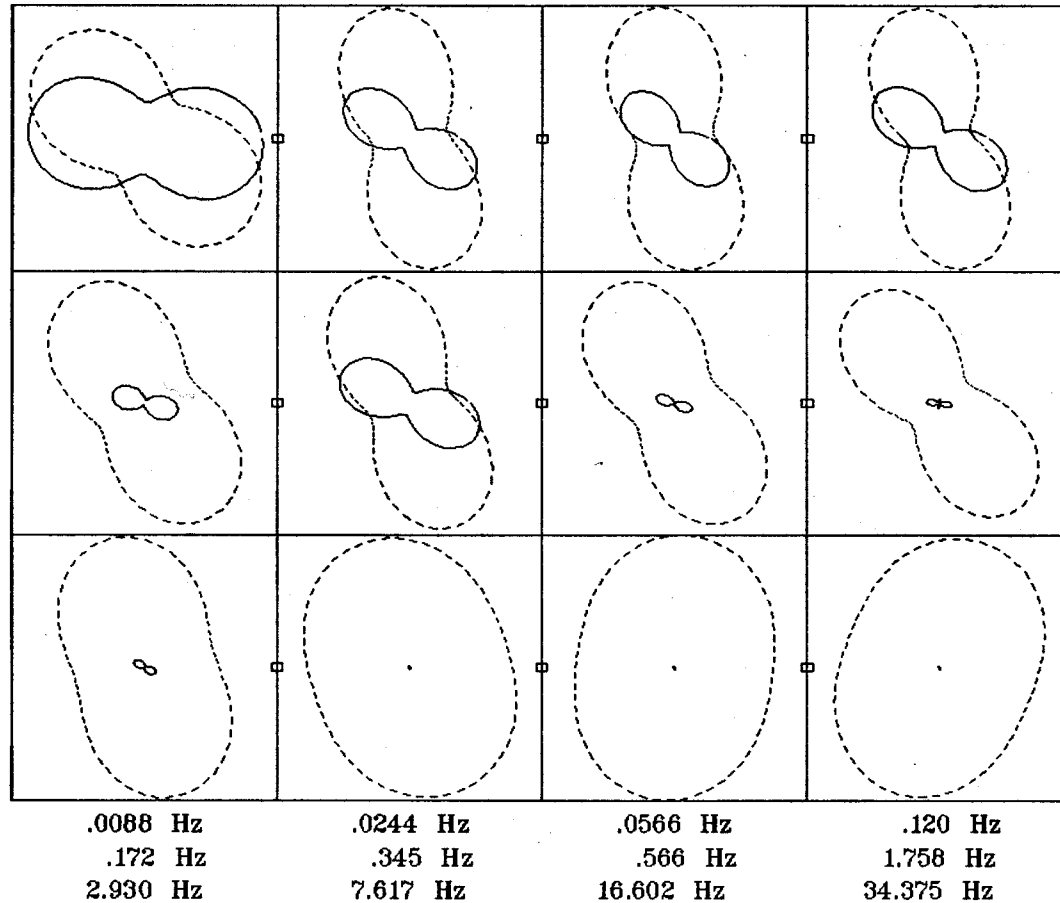
E MULT Coh.

Wendover, NV 100kmap Station 9



Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld south 90m

Acquired: 10:0 Sep 08, 2003

Survey Co:USGS

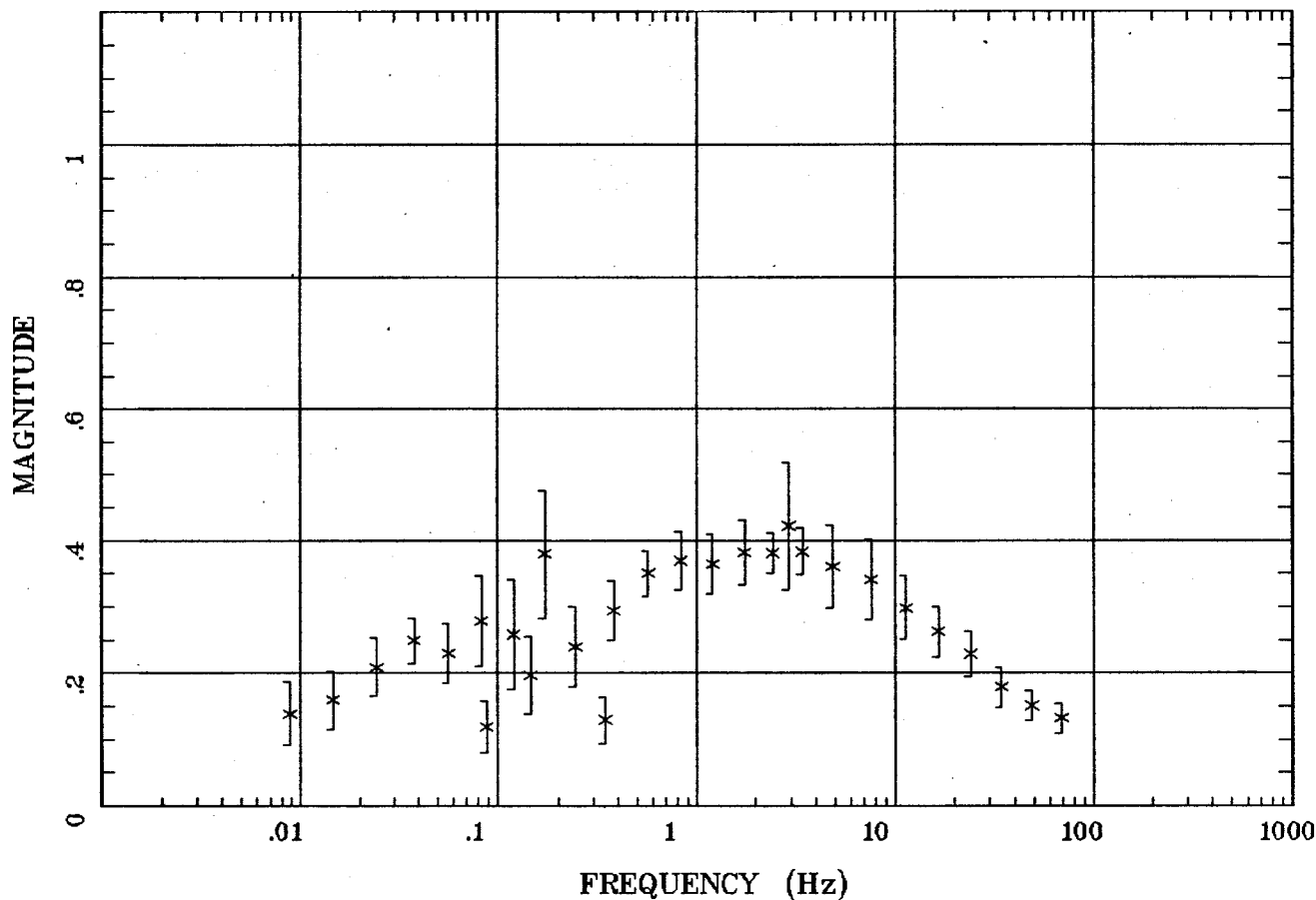
Rotation:

Filename: ap09m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 08:36 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >

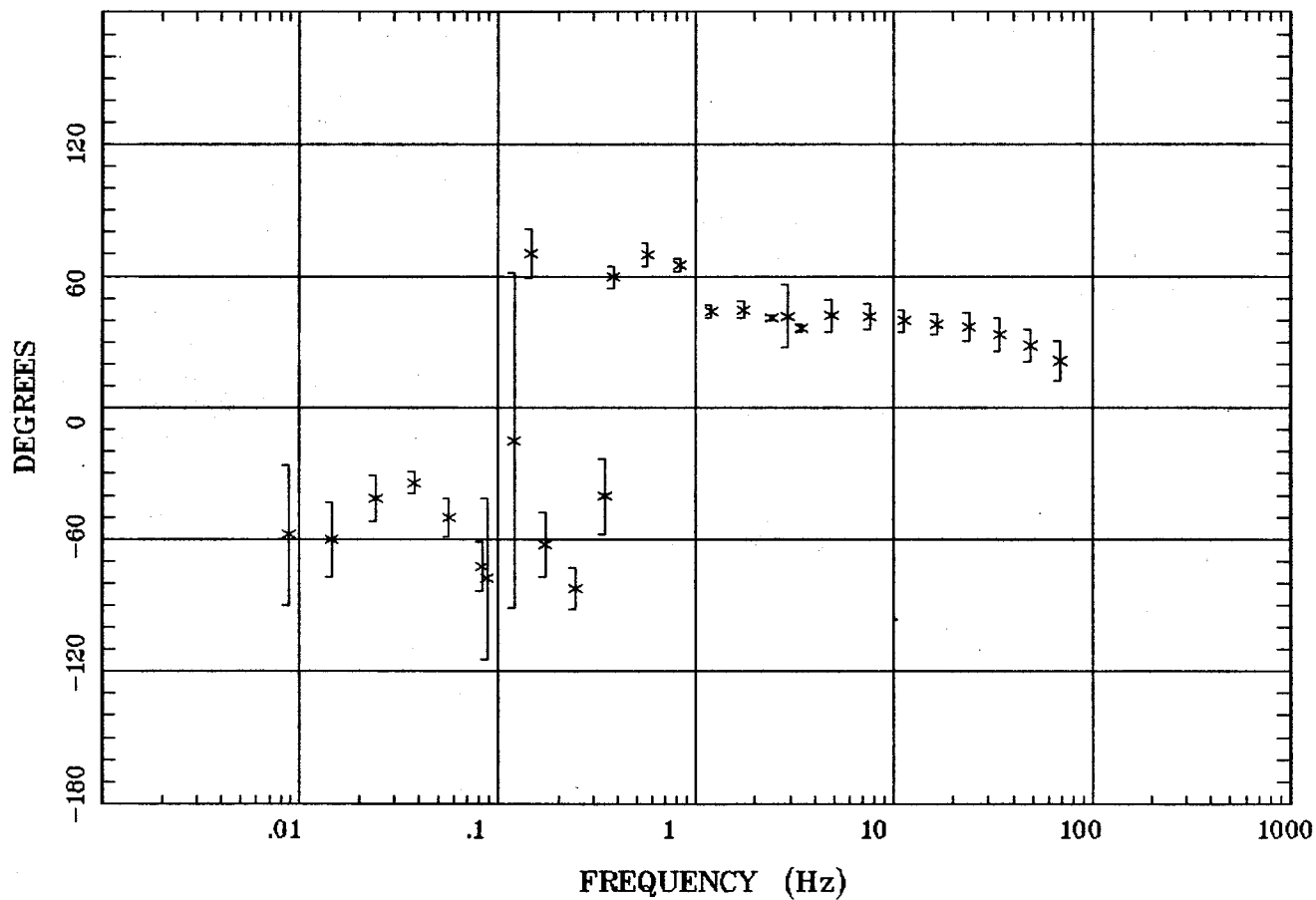


Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

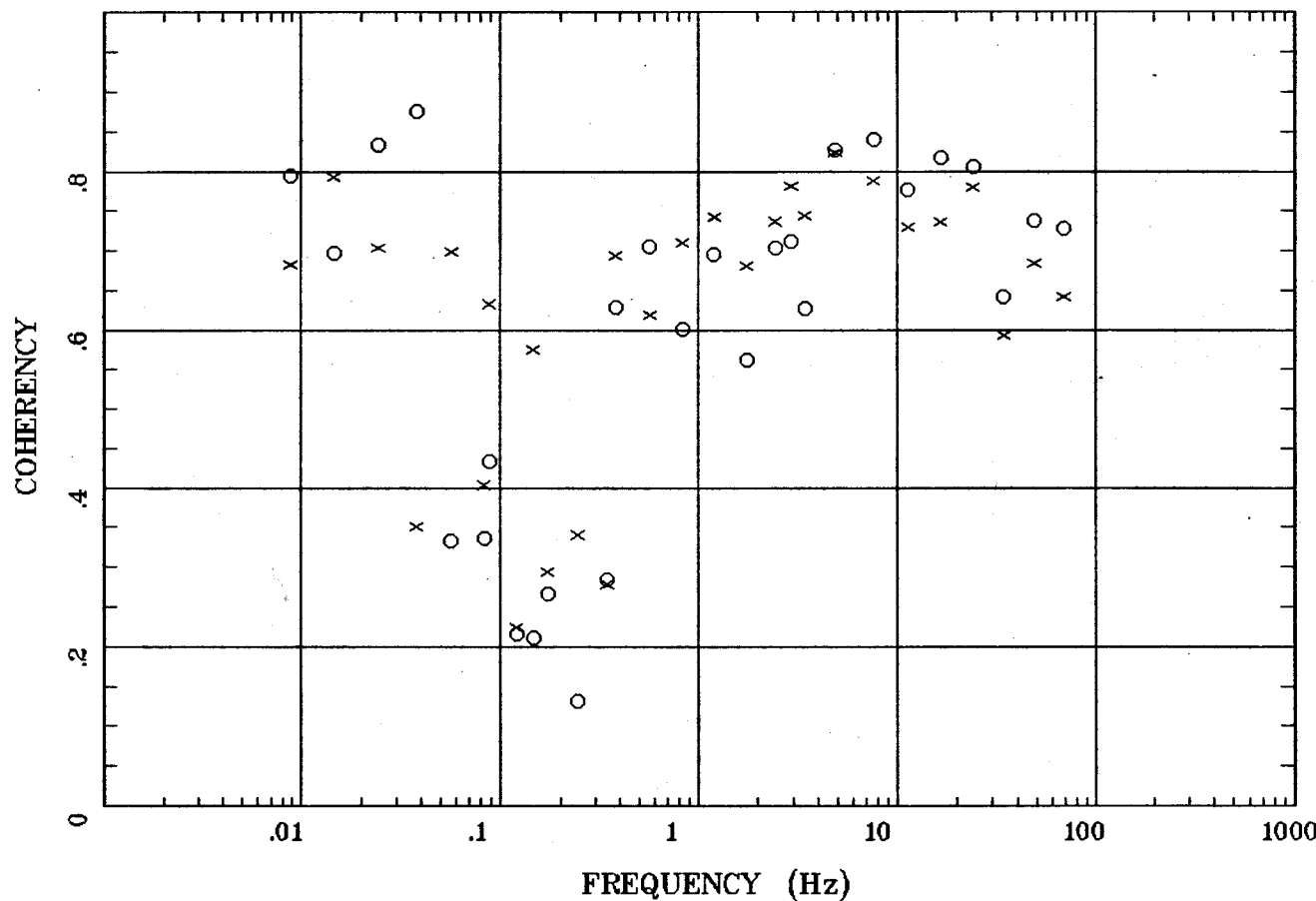
TIPPER STRIKE

Wendover, NV 100kmap Station 9



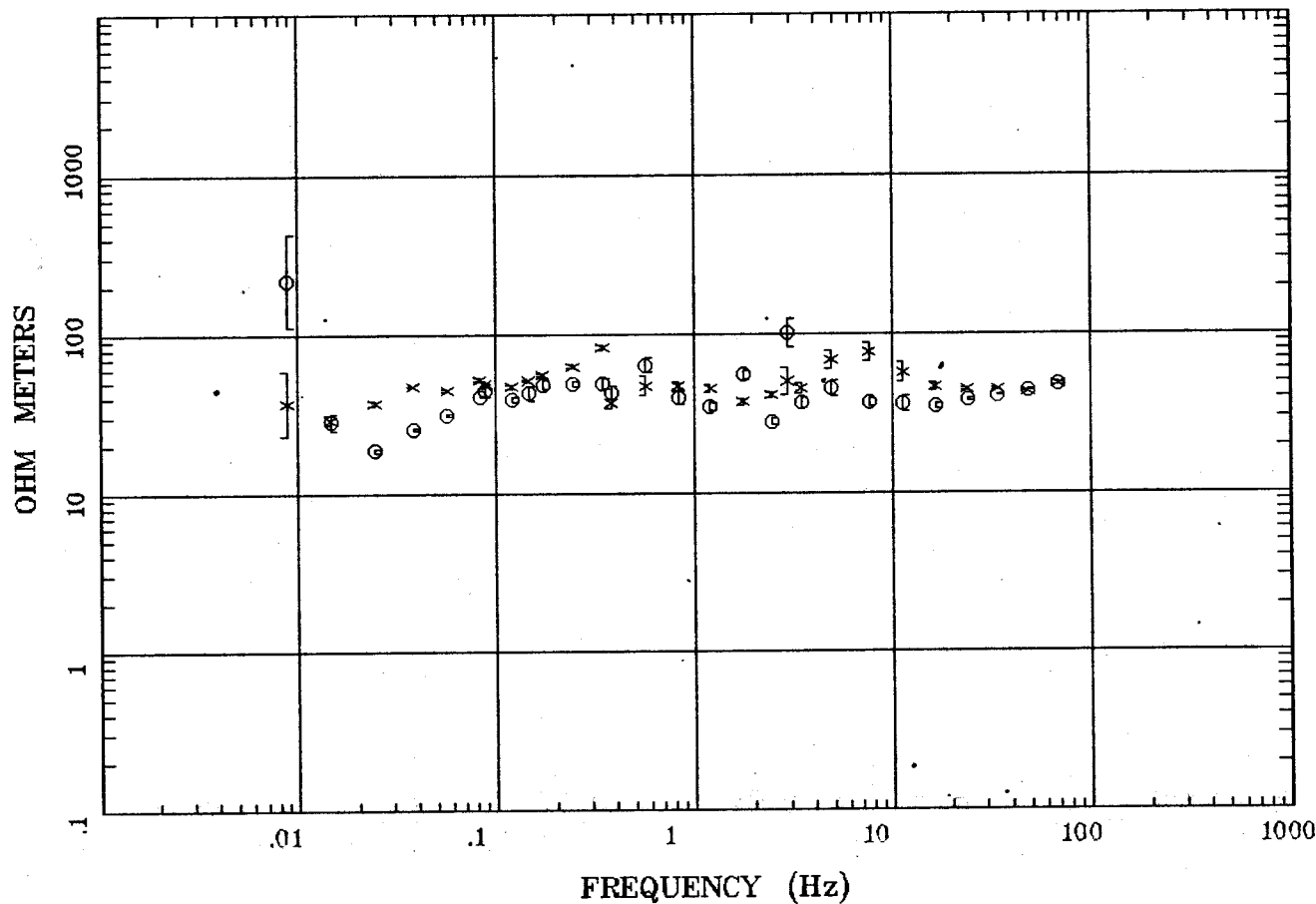
Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



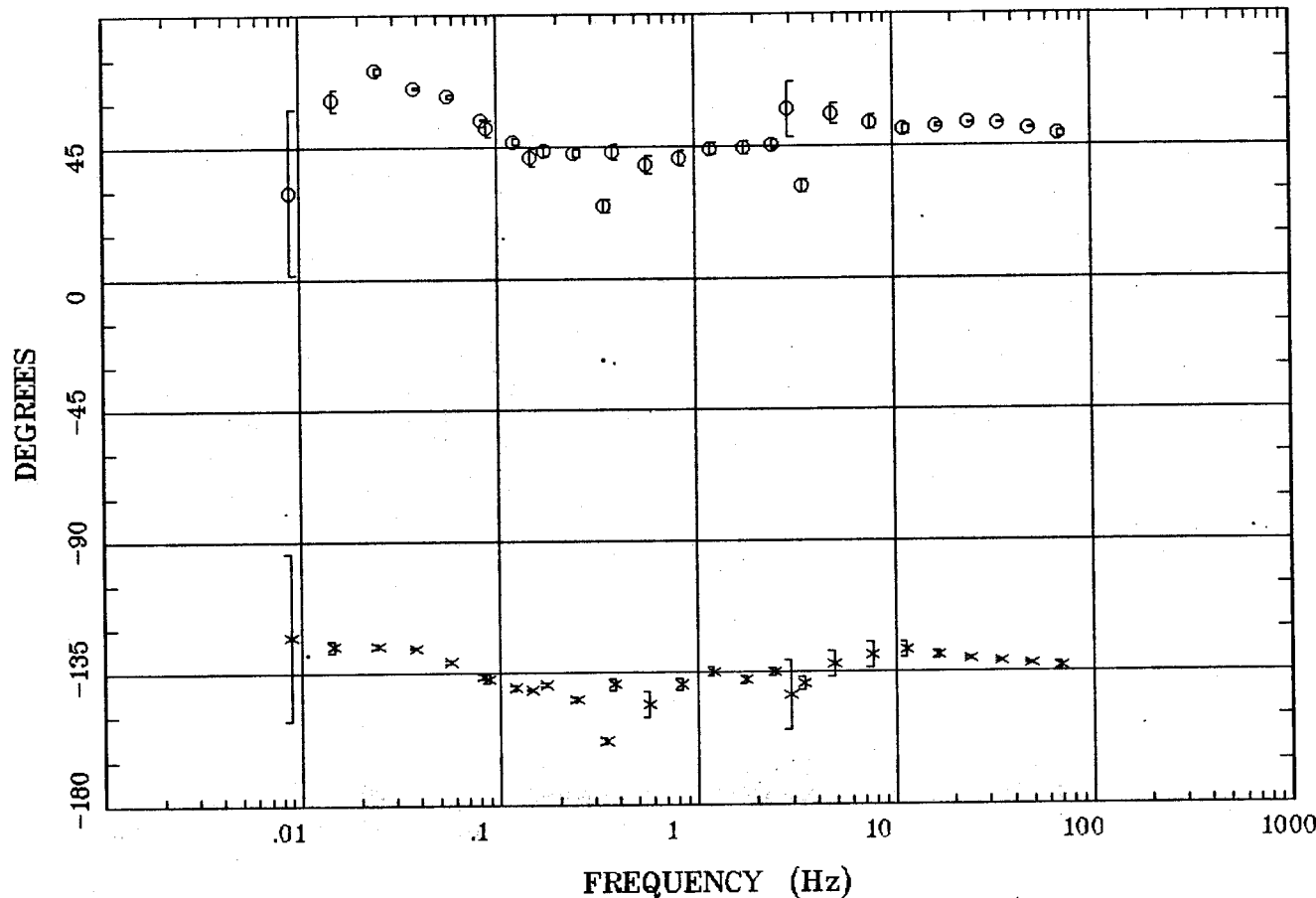
Client:
Remote: e-fld south 90m
Acquired: 10:0 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap09m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:36 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



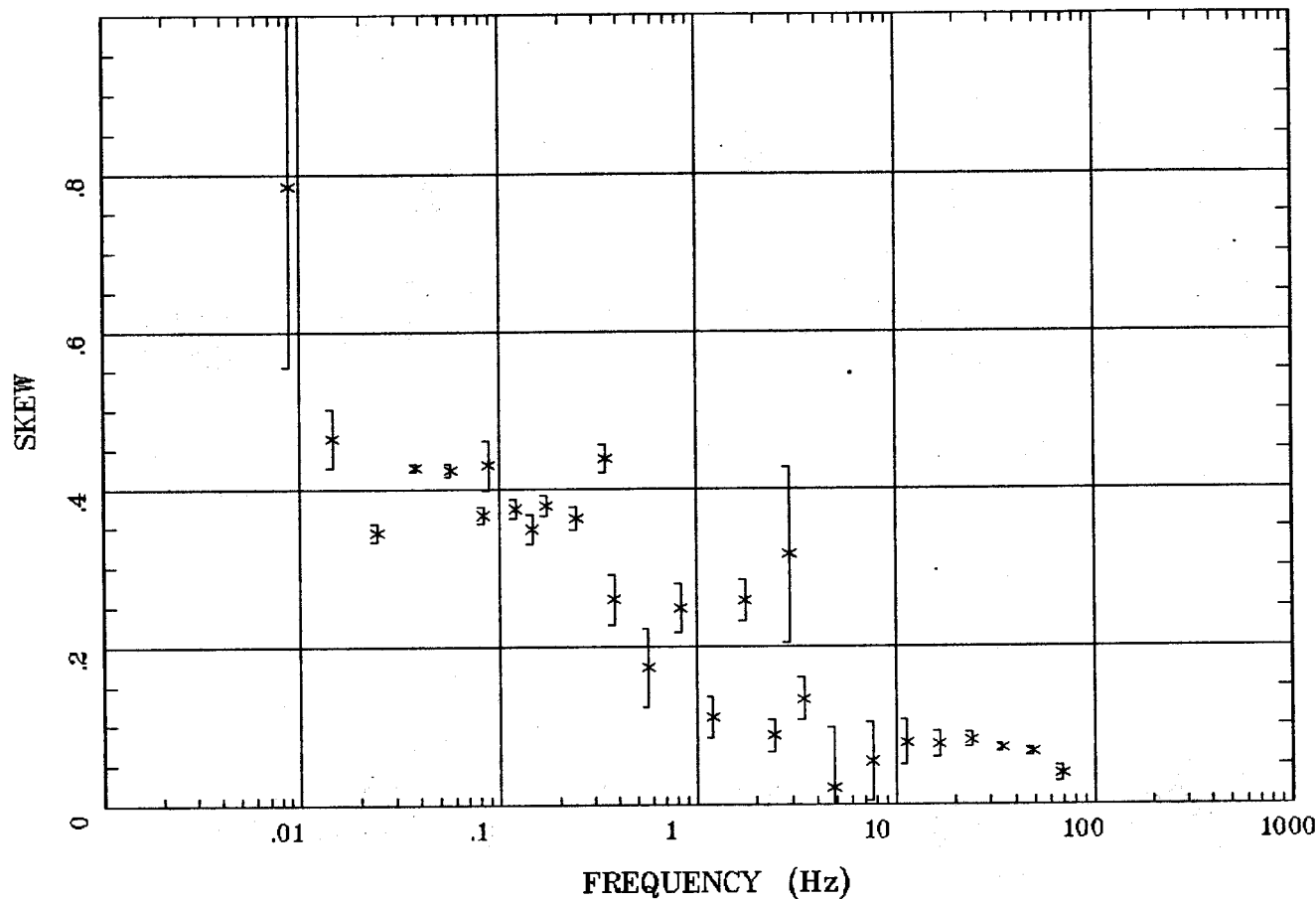
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch1 Ch2
Plotted: 14:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



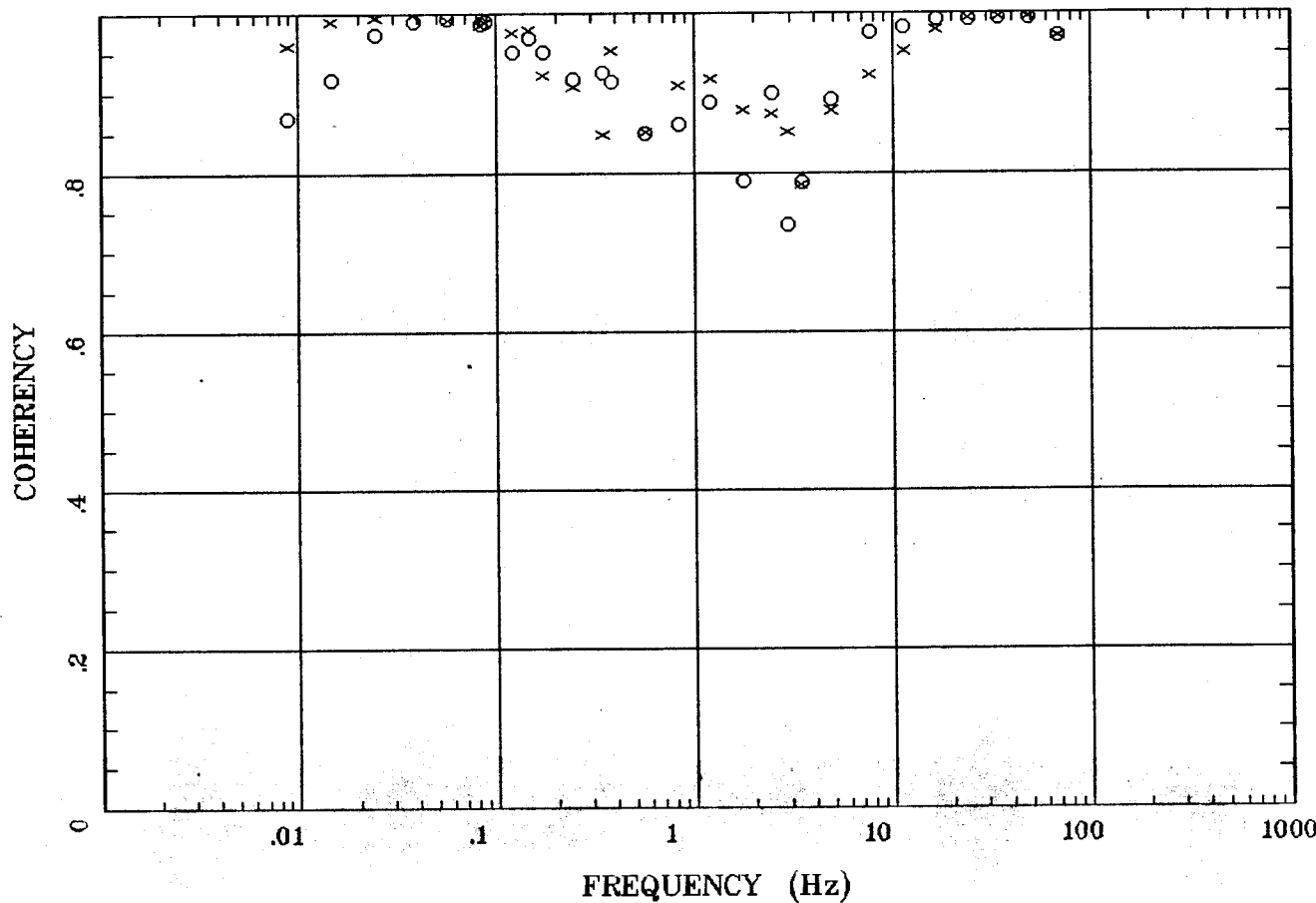
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch1 Ch2
Plotted: 14:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



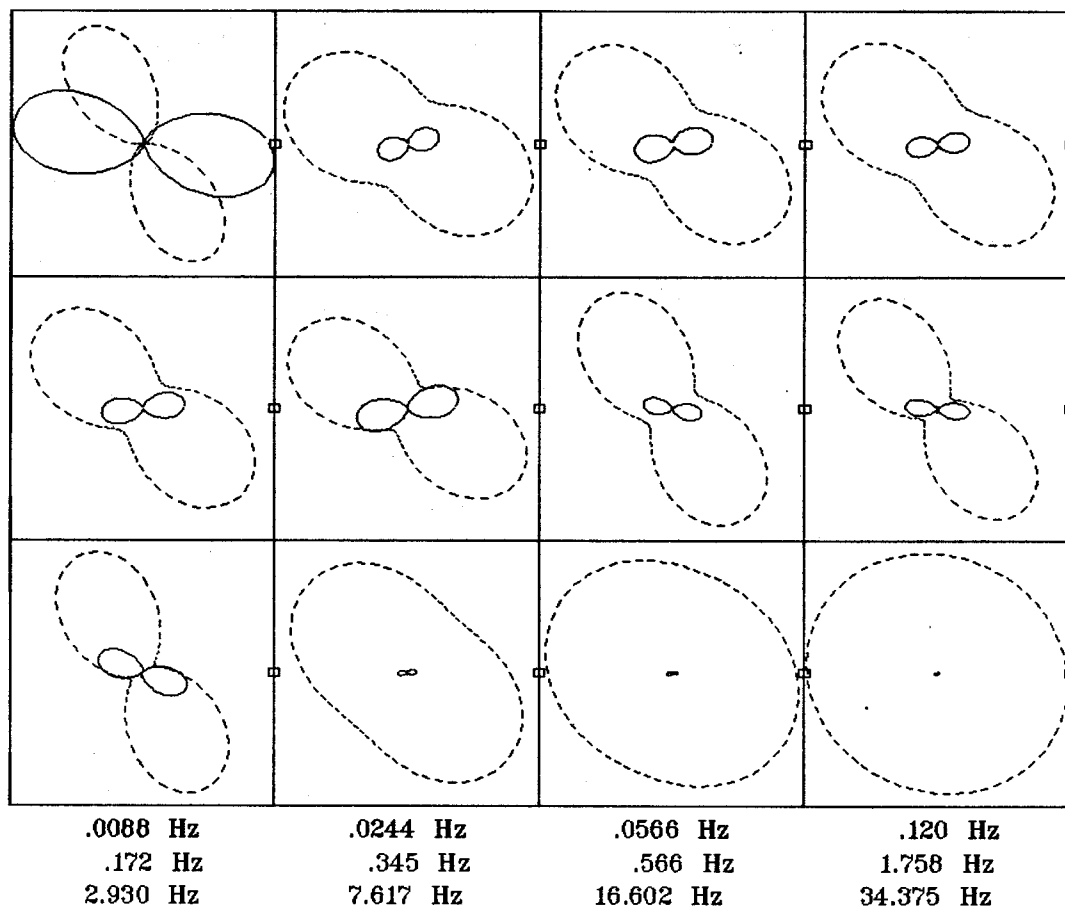
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch1 Ch2
Plotted: 14:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



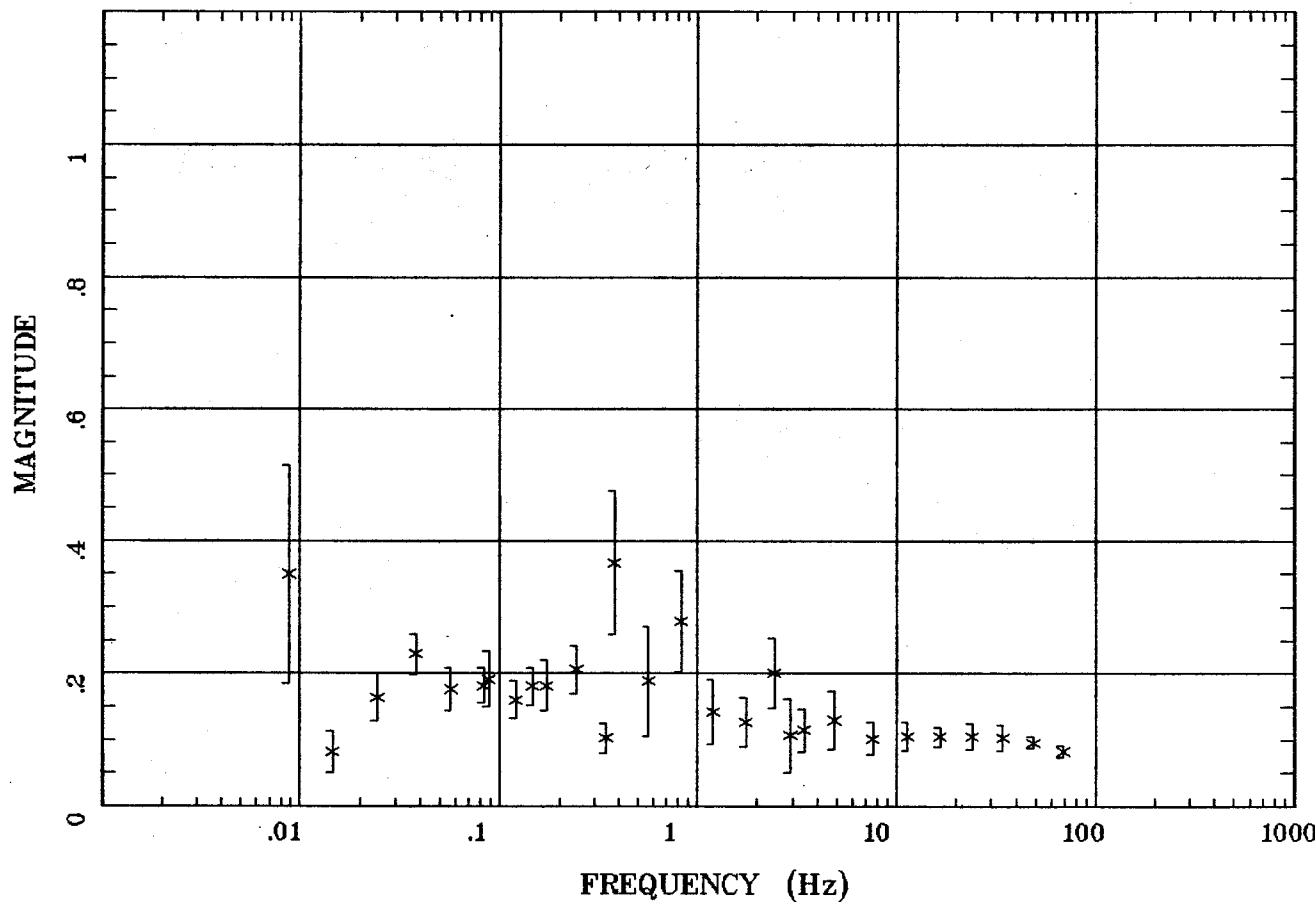
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch1 Ch2
Plotted: 14:28 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



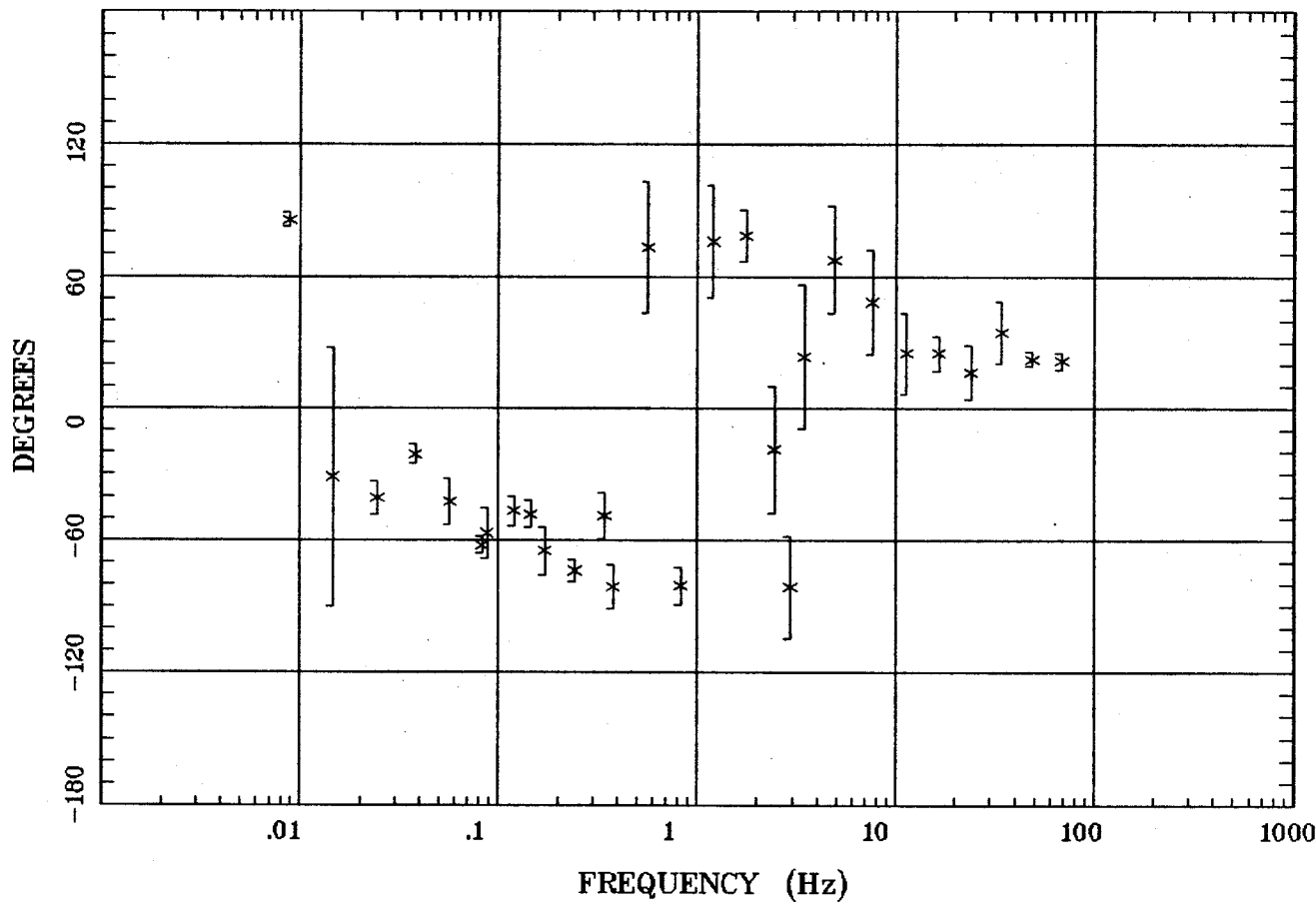
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:38 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



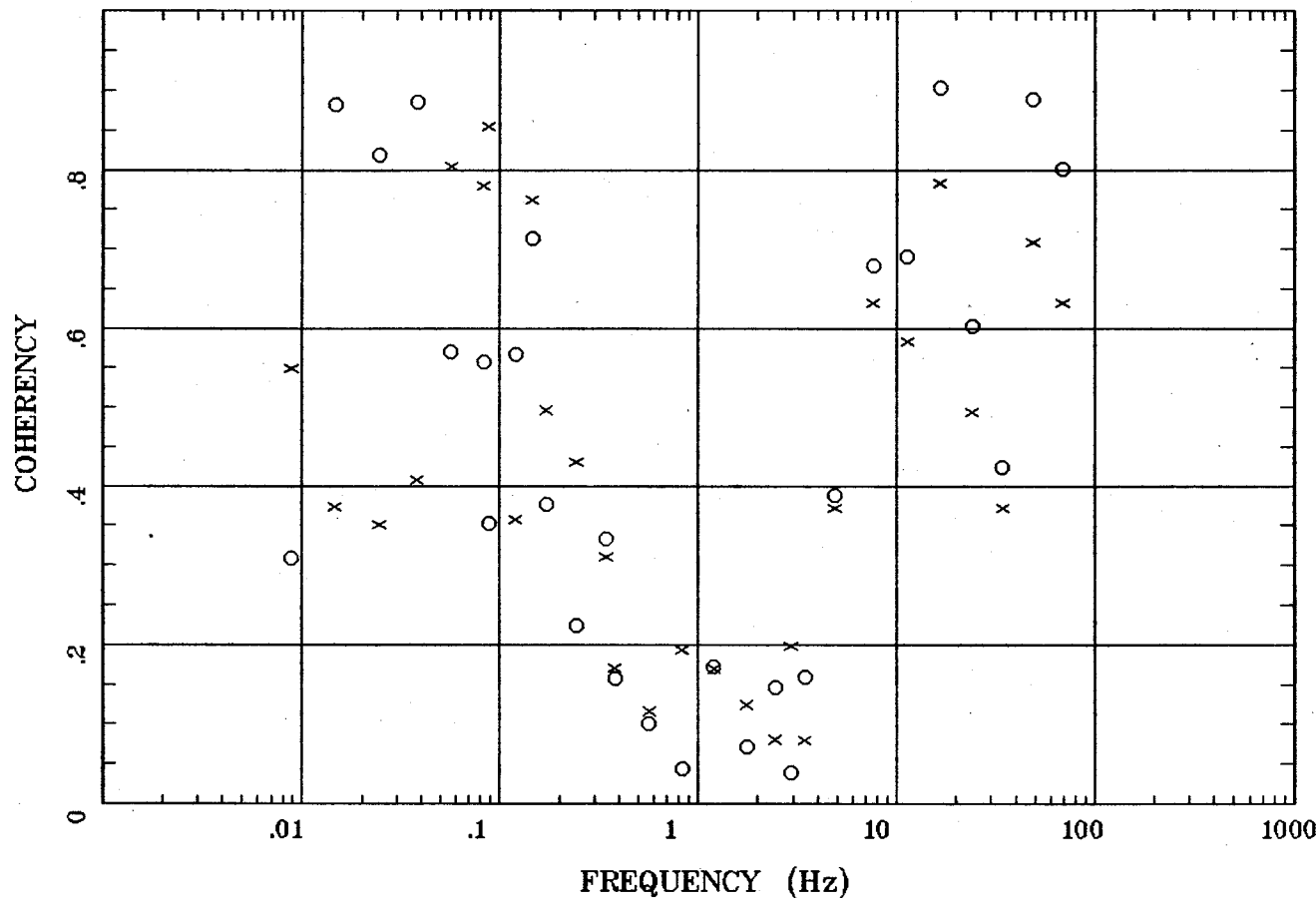
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:39 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



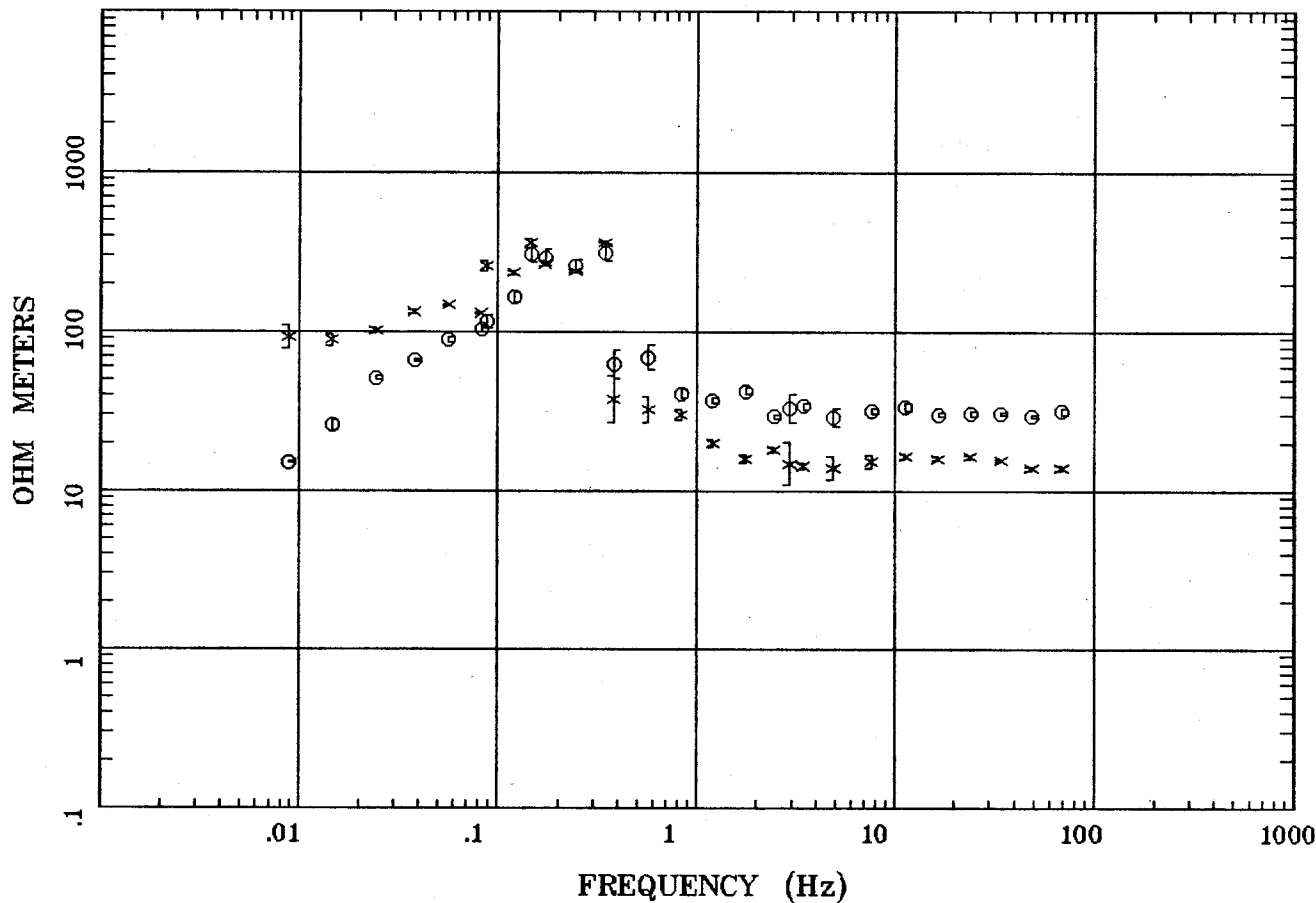
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:39 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



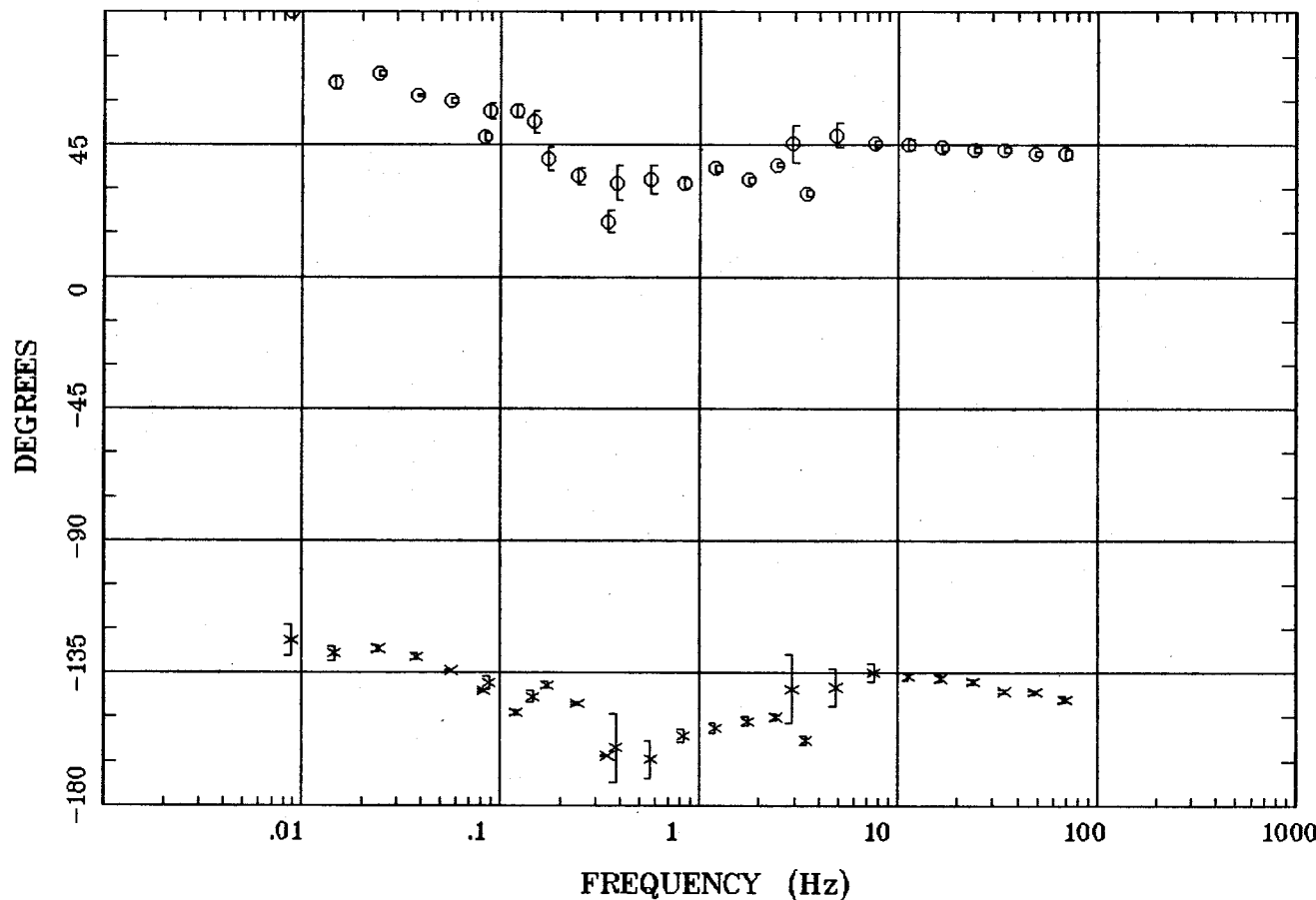
Client:
Remote: e-fld SE 35 m
Acquired: 14:2 Sep 08, 2003
Survey Co:USGS

Rotation:
Filename: ap10m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:39 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



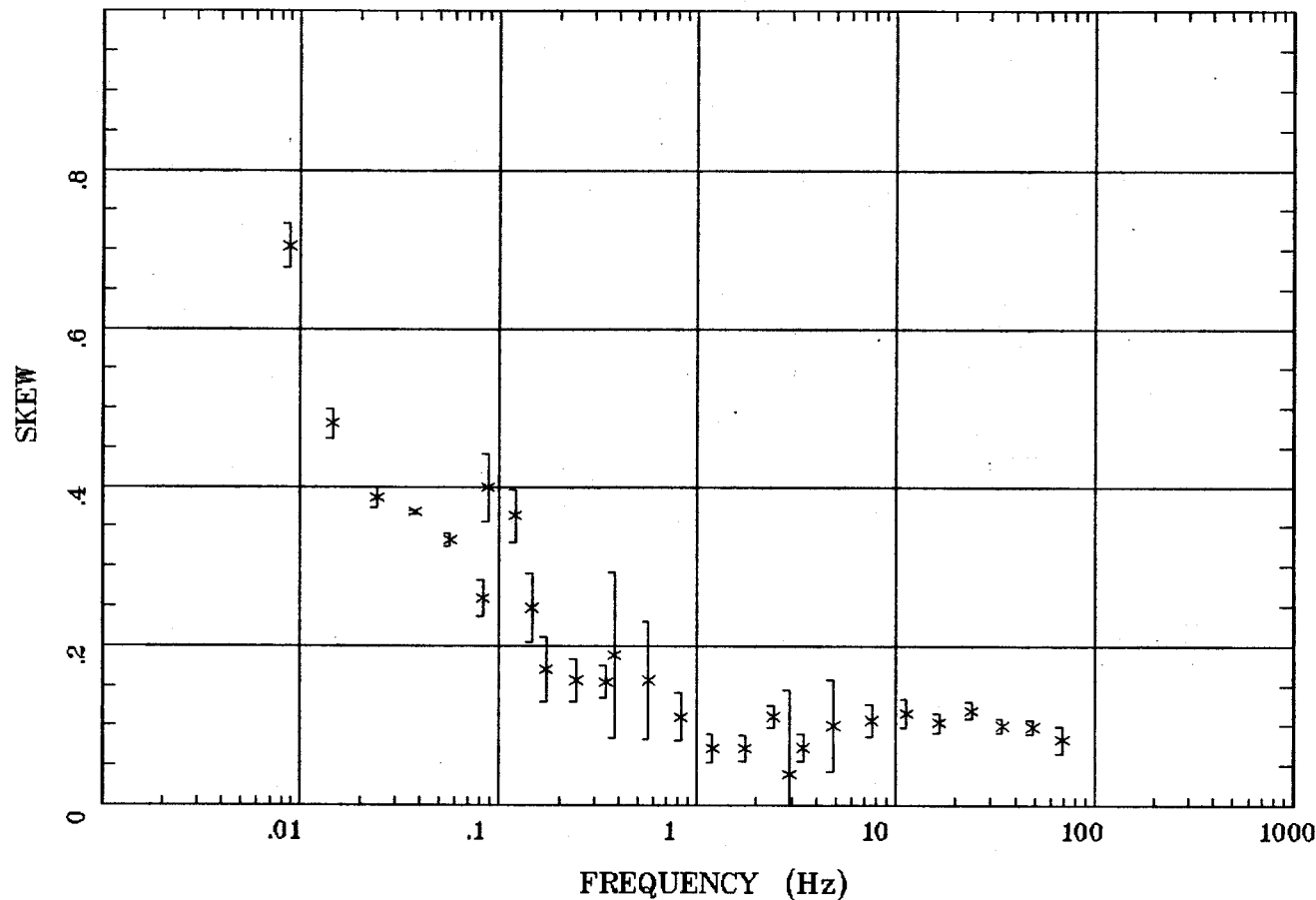
Client:
 Remote: e-fld south 90m
 Acquired: 11:0 Sep 12, 2003
 Survey Co:USGS

Rotation:
 Filename: ap11n.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 08:46 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >



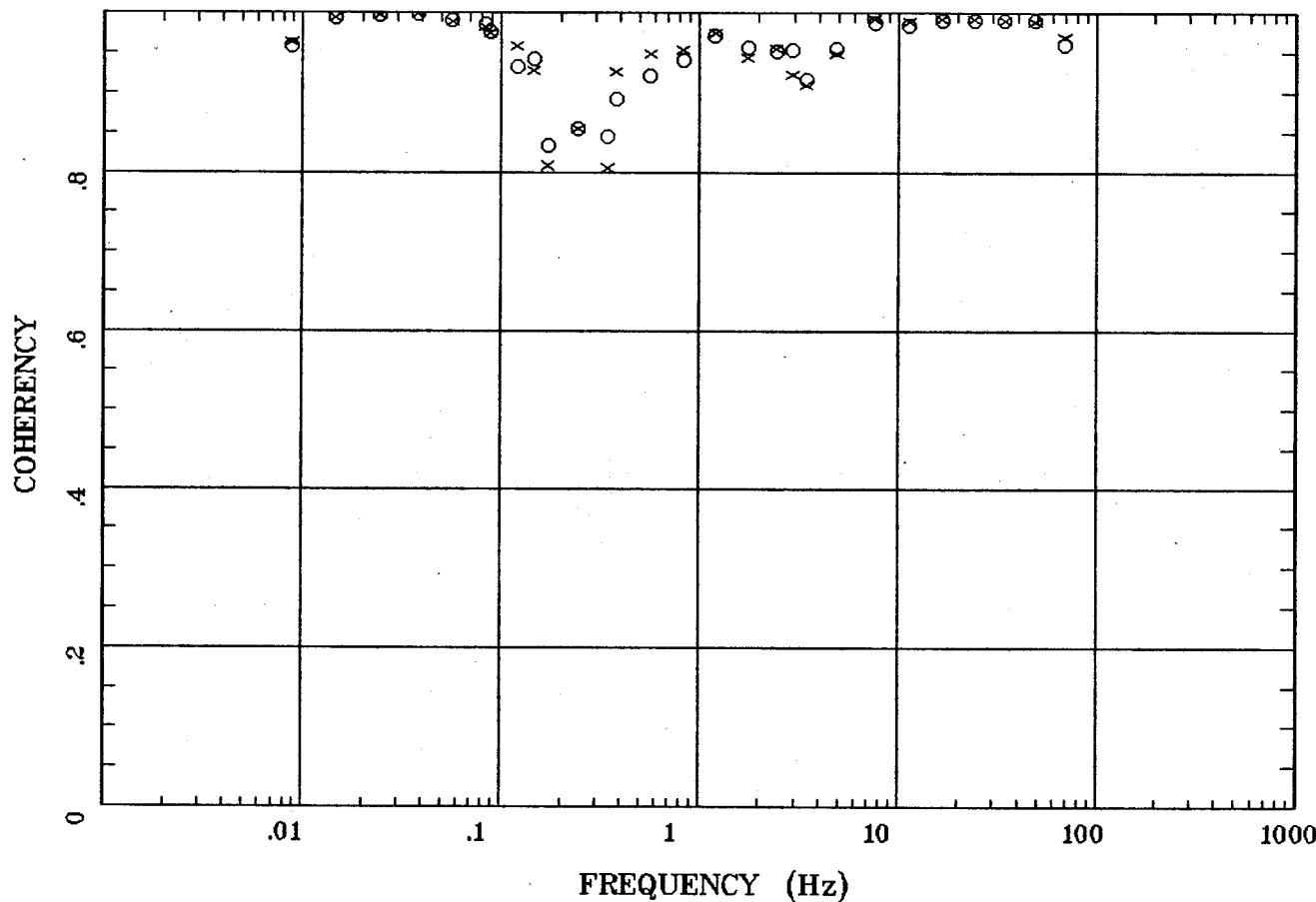
Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: ap11n.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



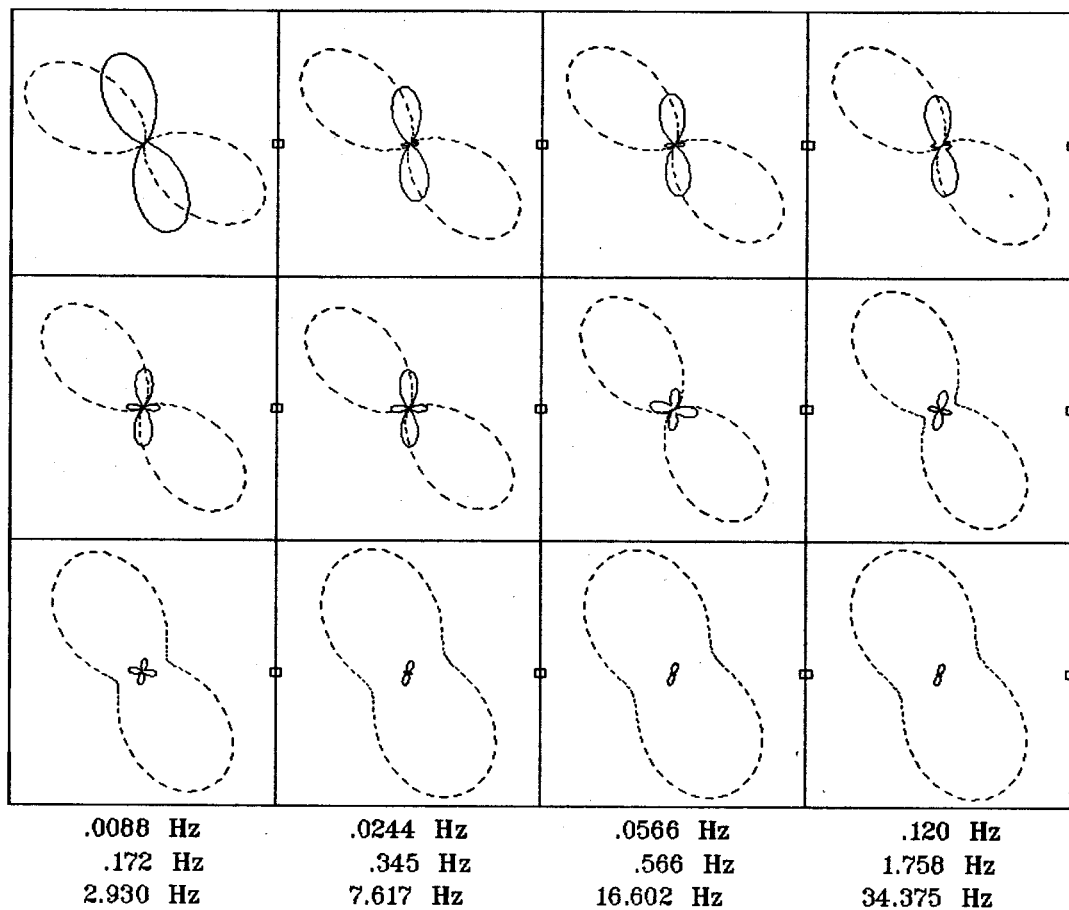
Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: ap11n.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: apln.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



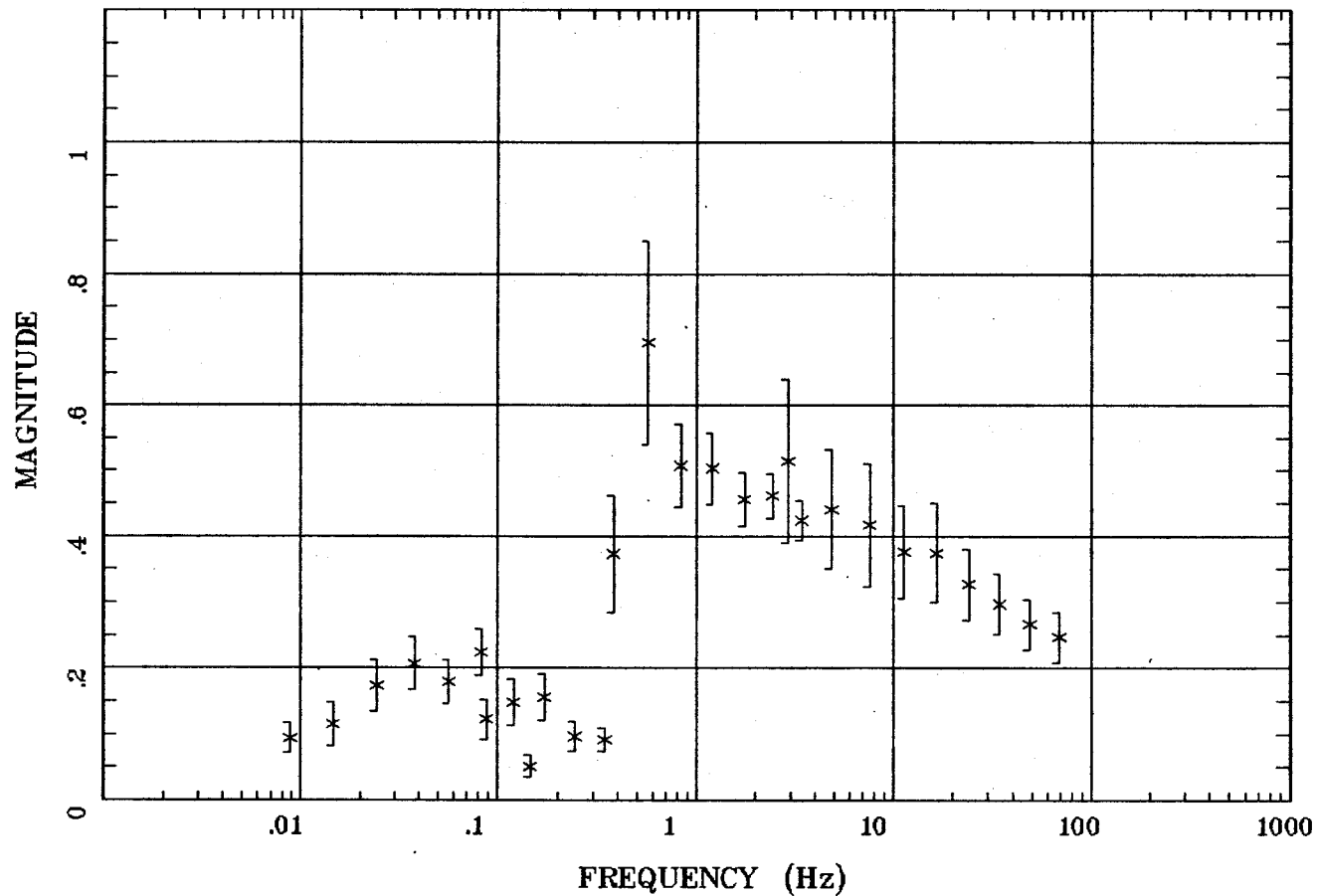
Client:
 Remote: e-fld south 90m
 Acquired: 11:0 Sep 12, 2003
 Survey Co:USGS

Rotation:
 Filename: ap11n.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 08:47 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >

TIPPER MAGNITUDE

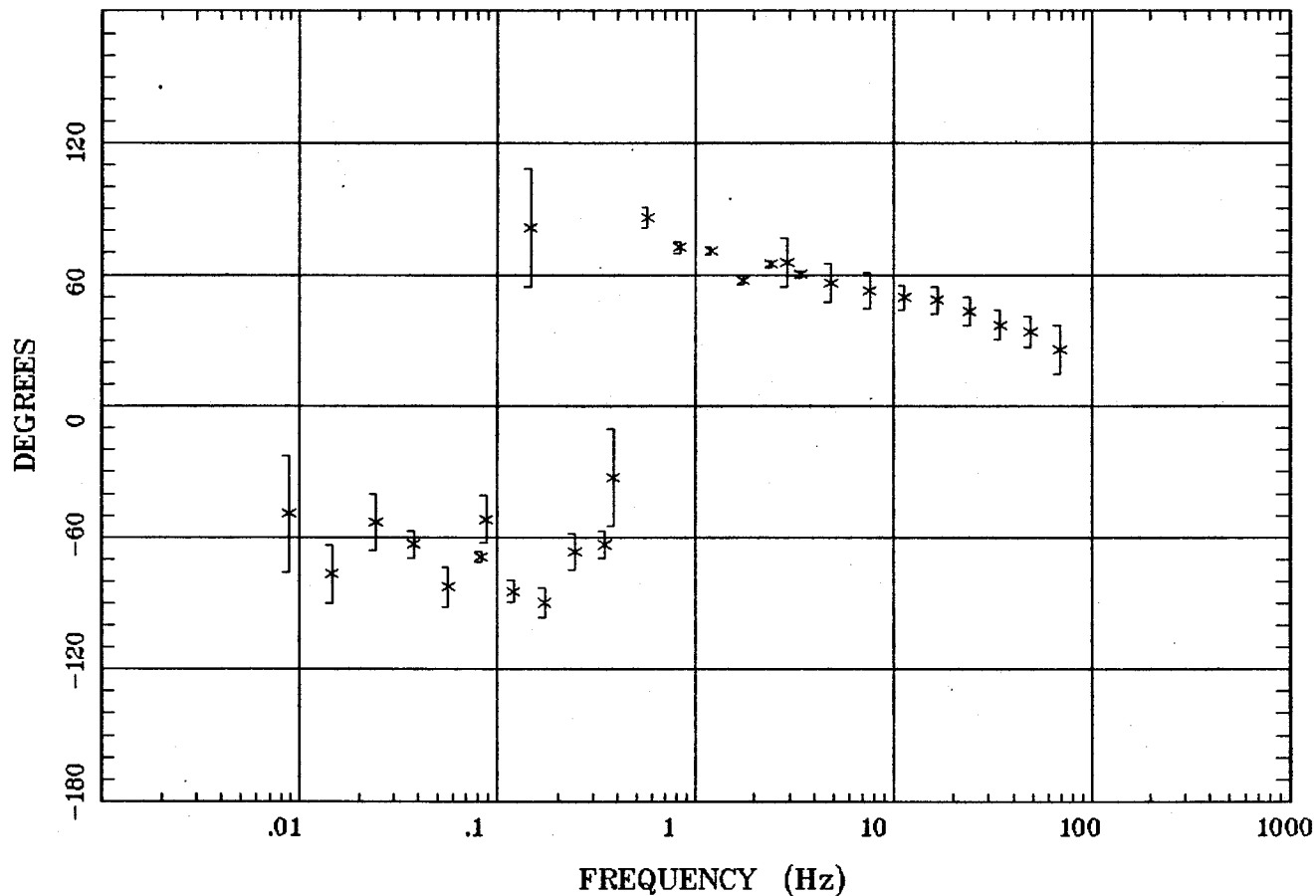
Currie, NV 100 K

Station 11



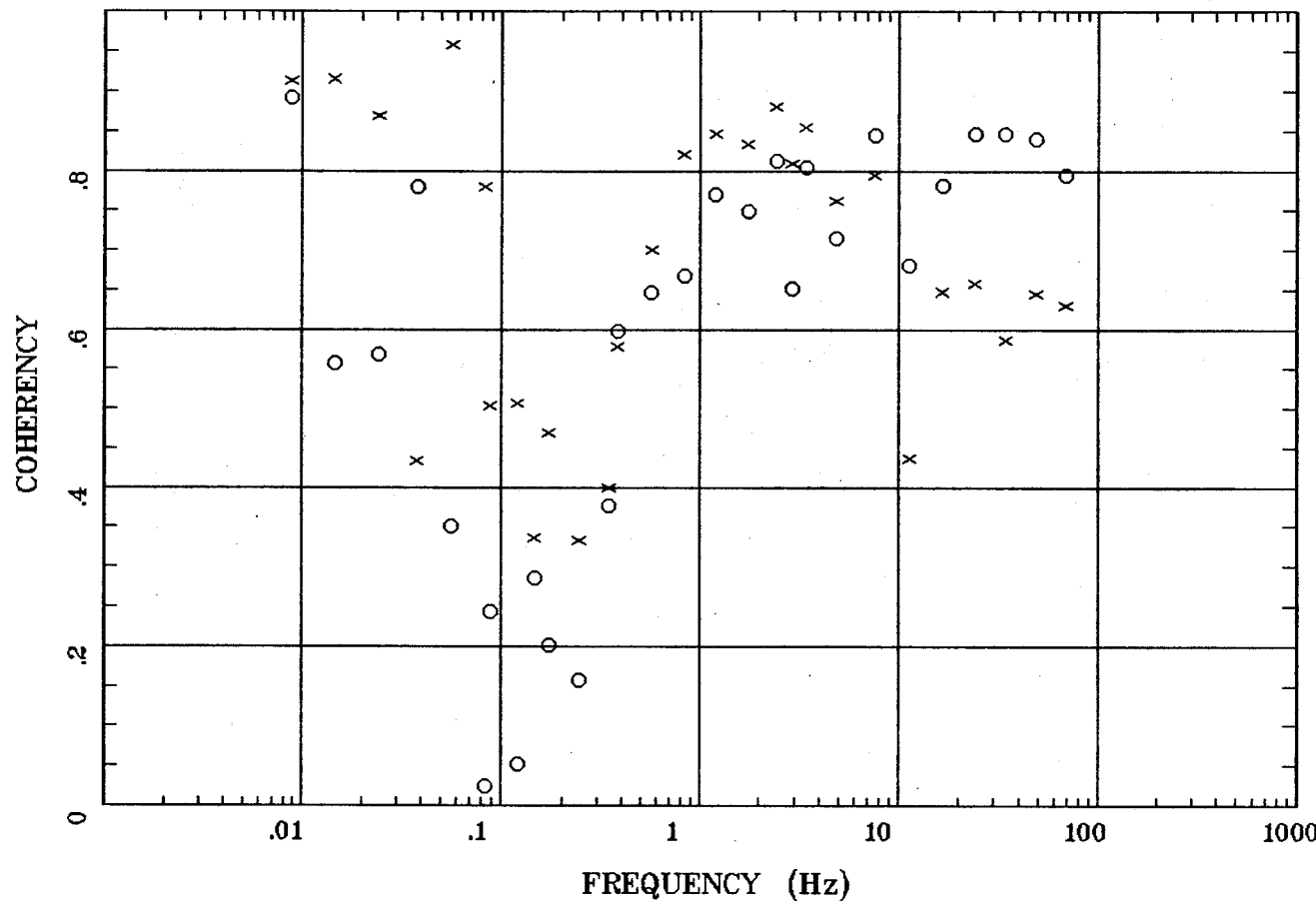
Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: ap11n.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



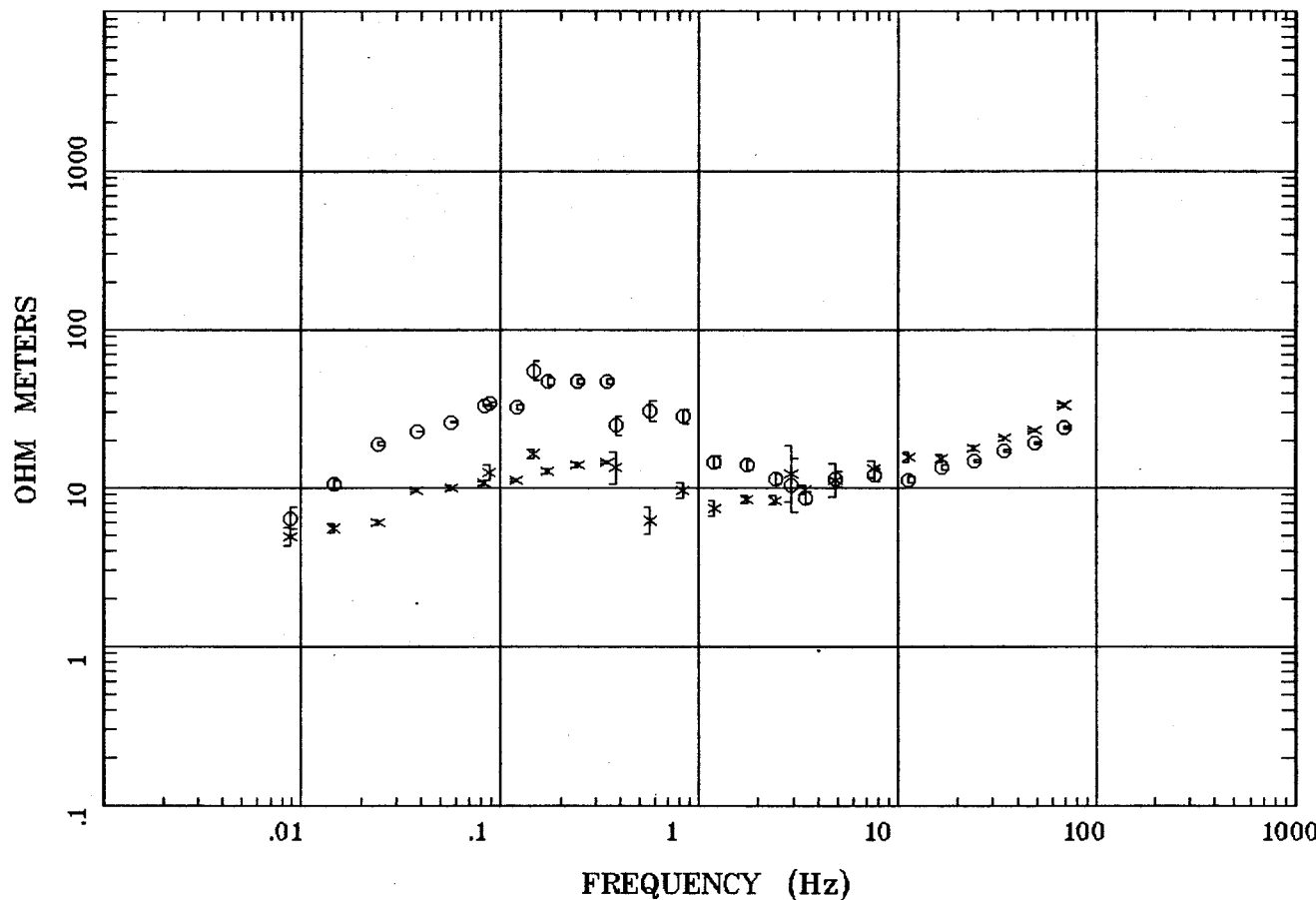
Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: ap11n.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



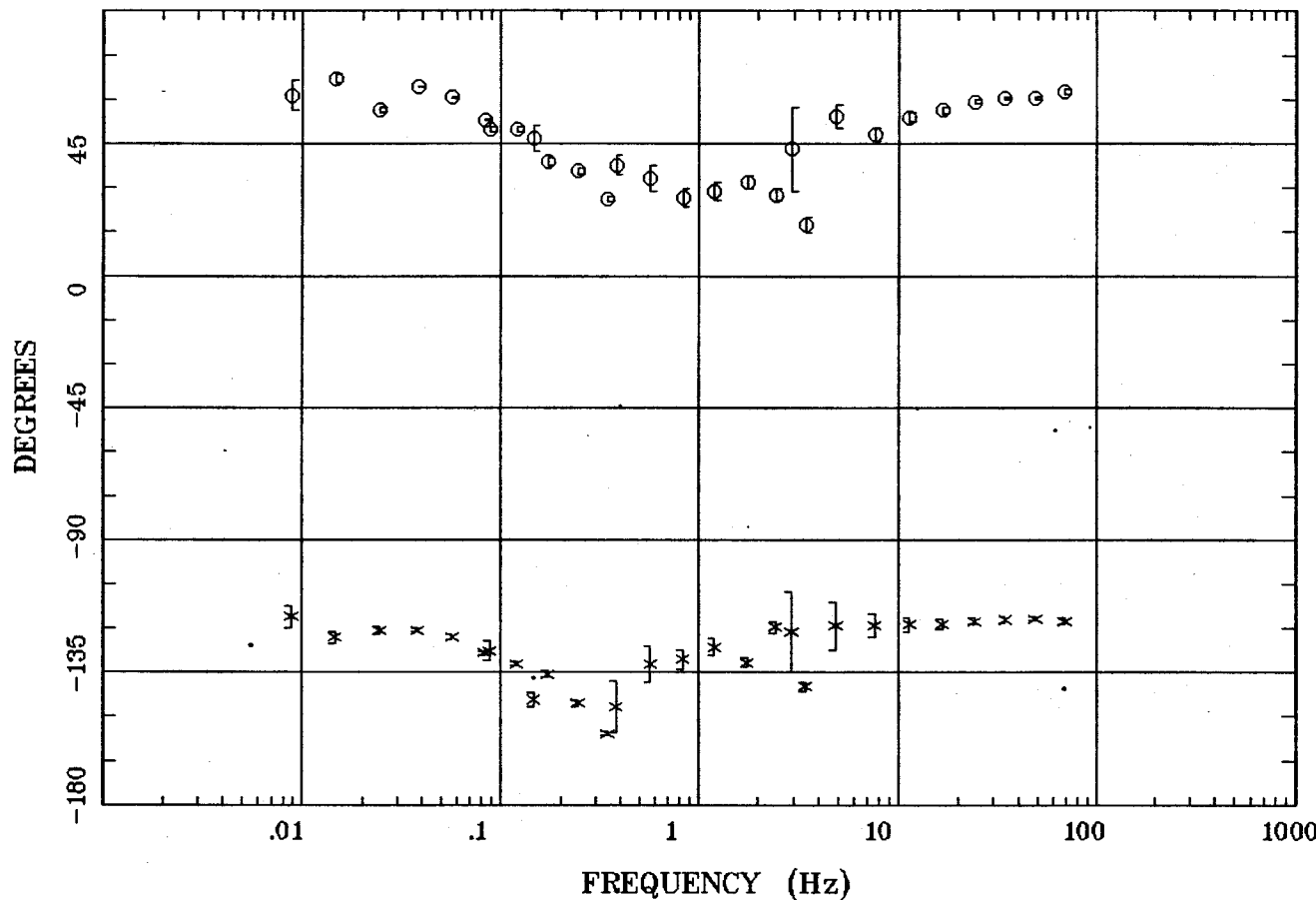
Client:
Remote: e-fld south 90m
Acquired: 11:0 Sep 12, 2003
Survey Co:USGS

Rotation:
Filename: ap11n.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



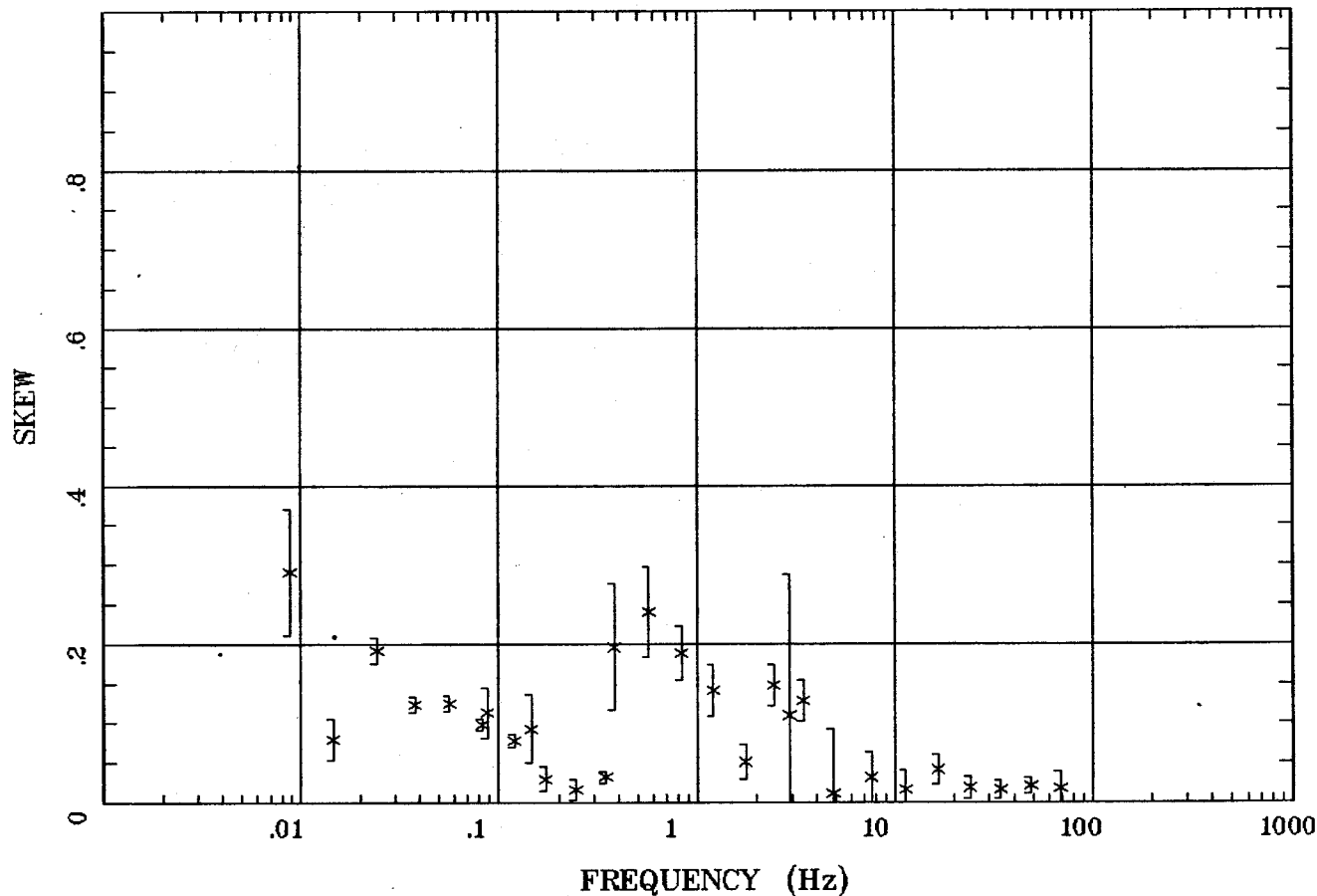
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



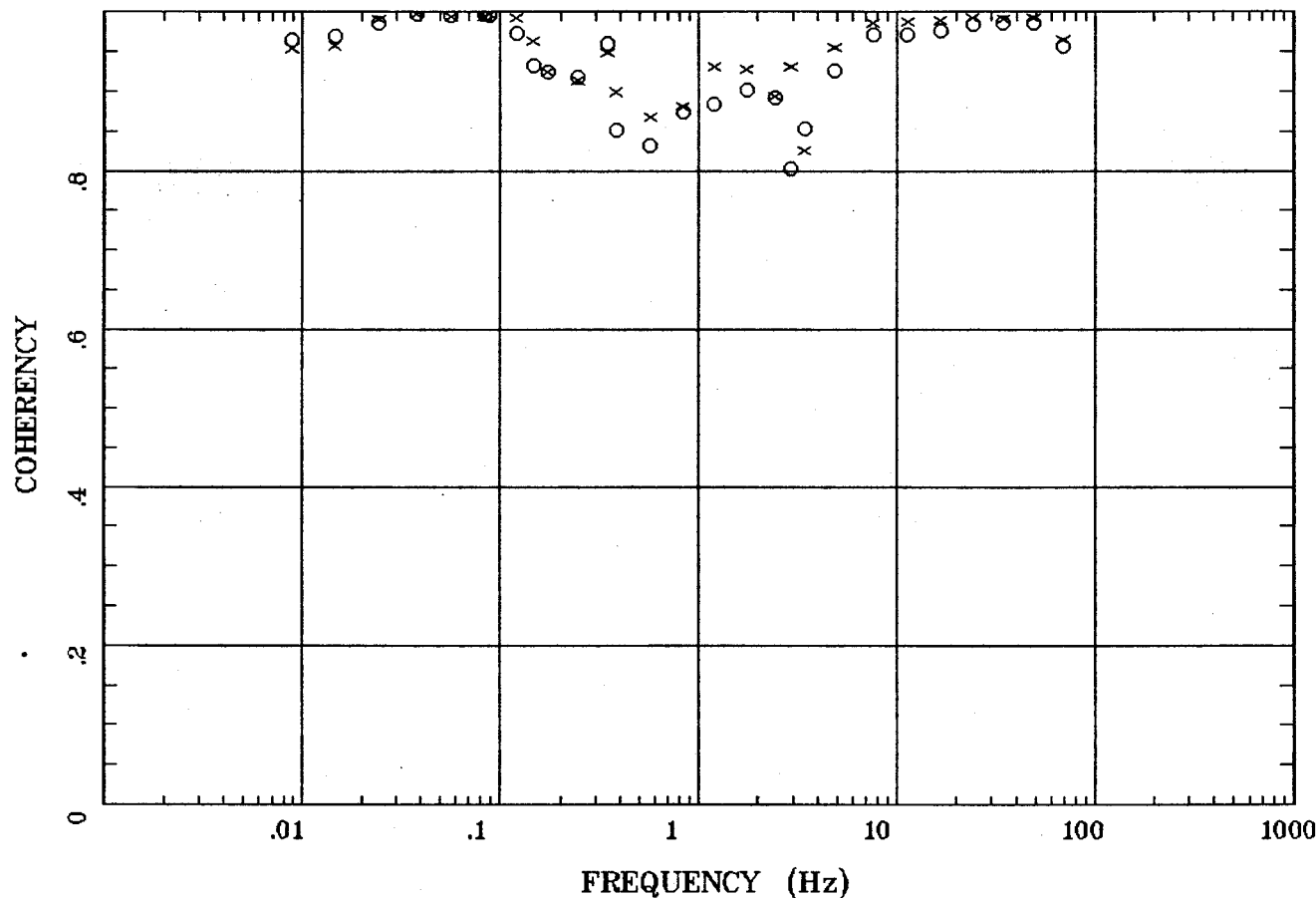
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



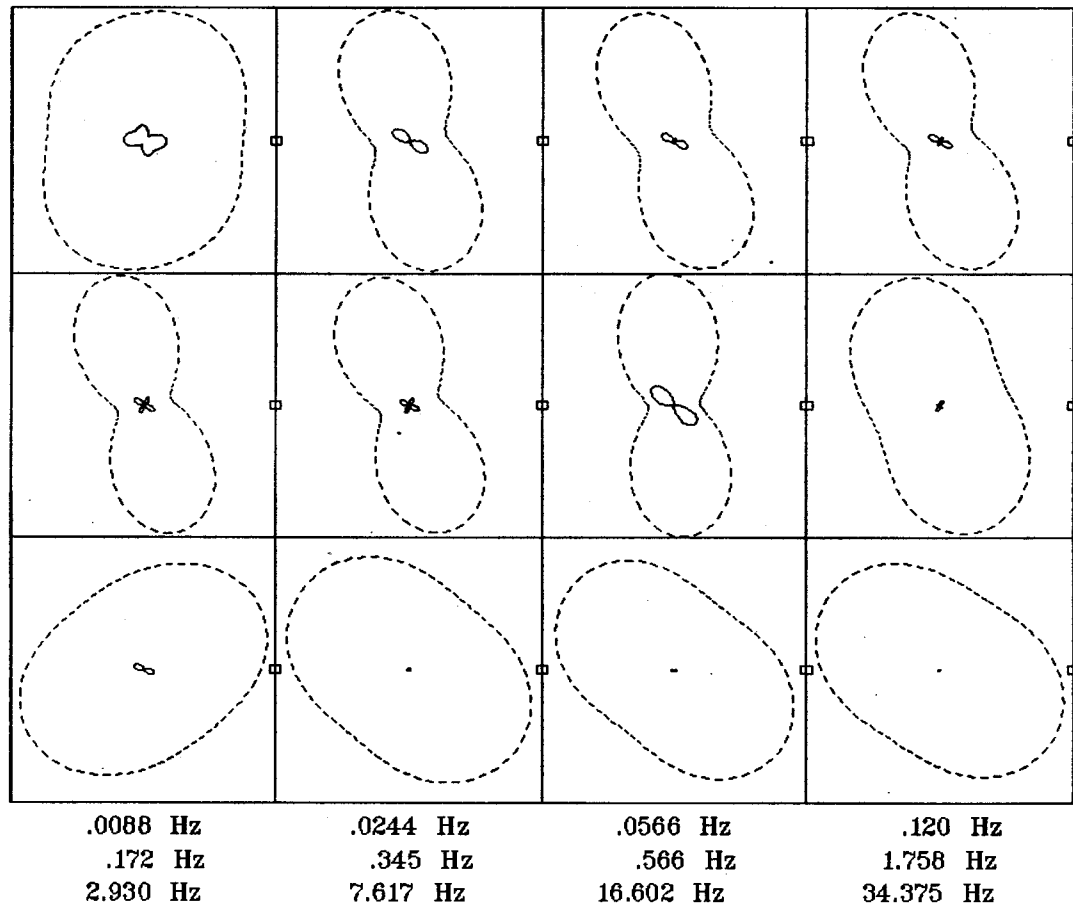
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:47 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



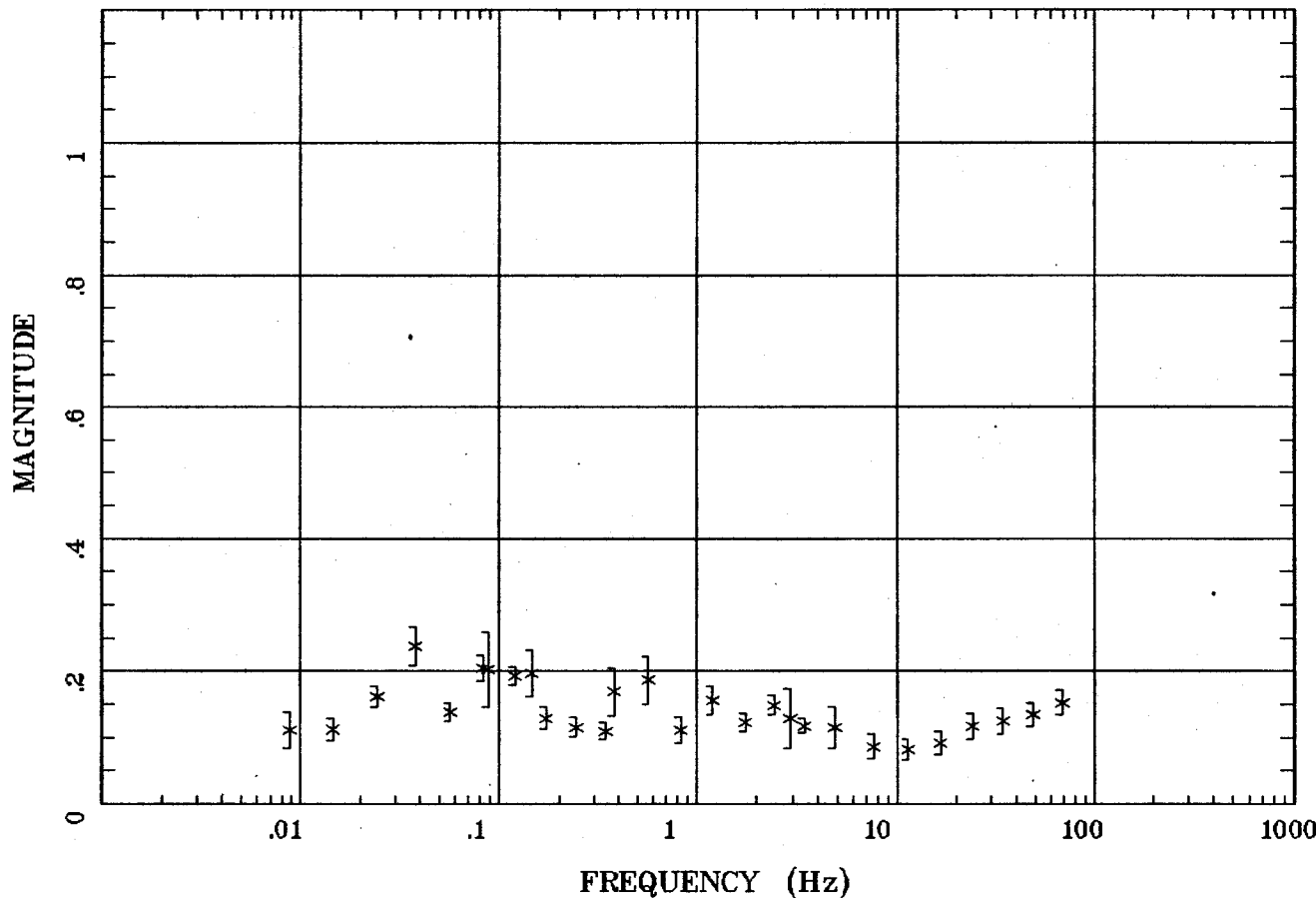
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:48 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



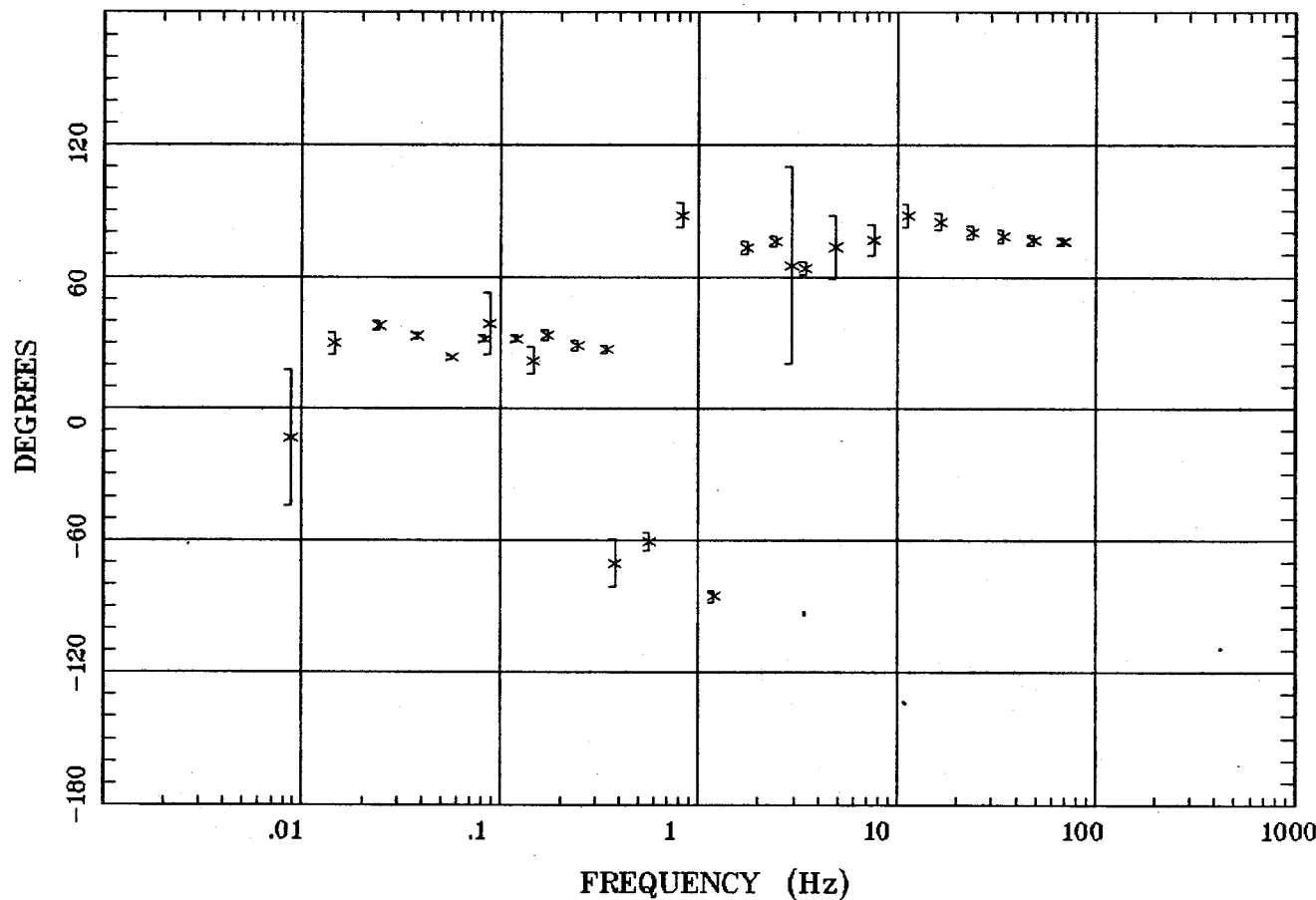
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:48 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



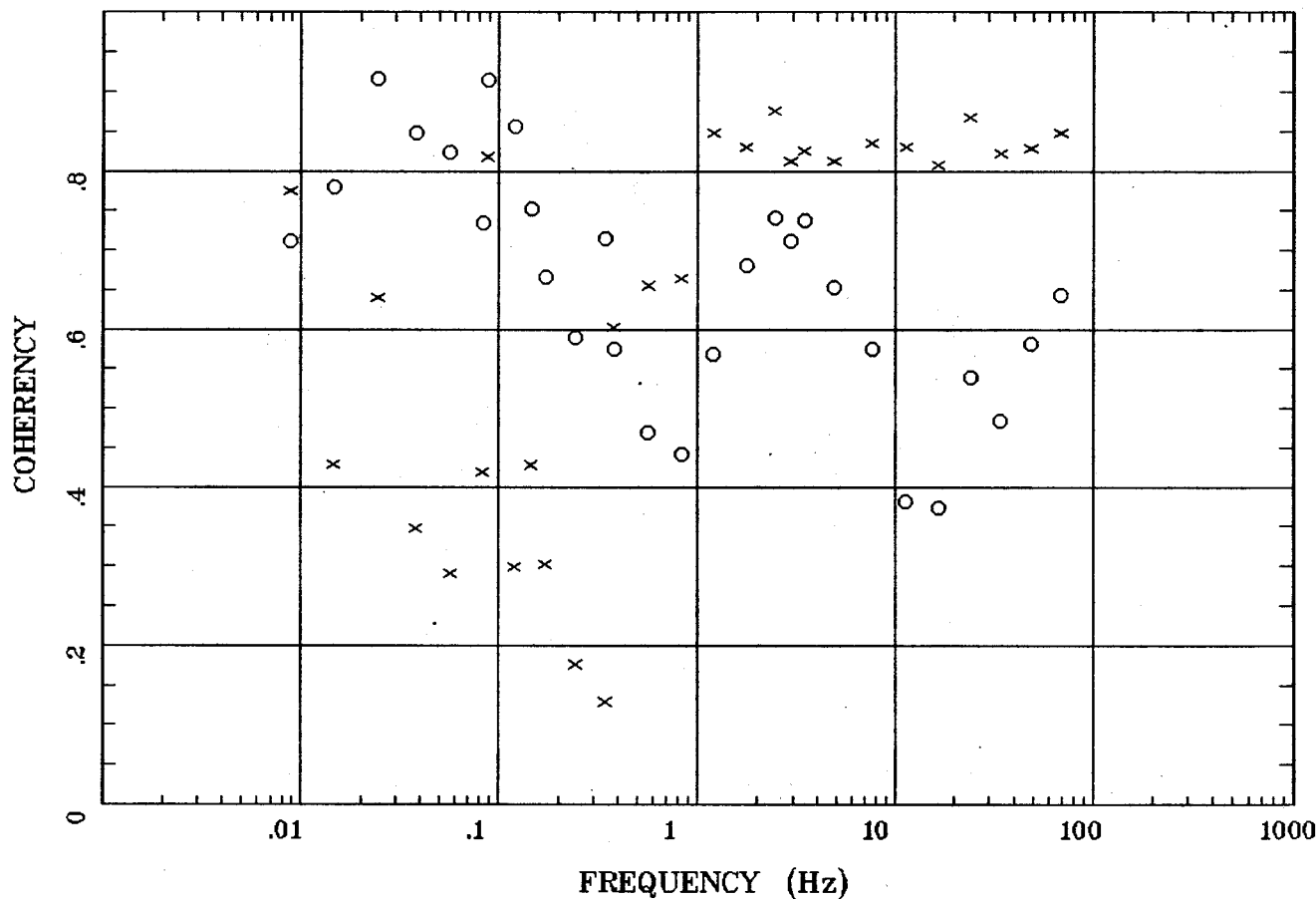
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:48 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



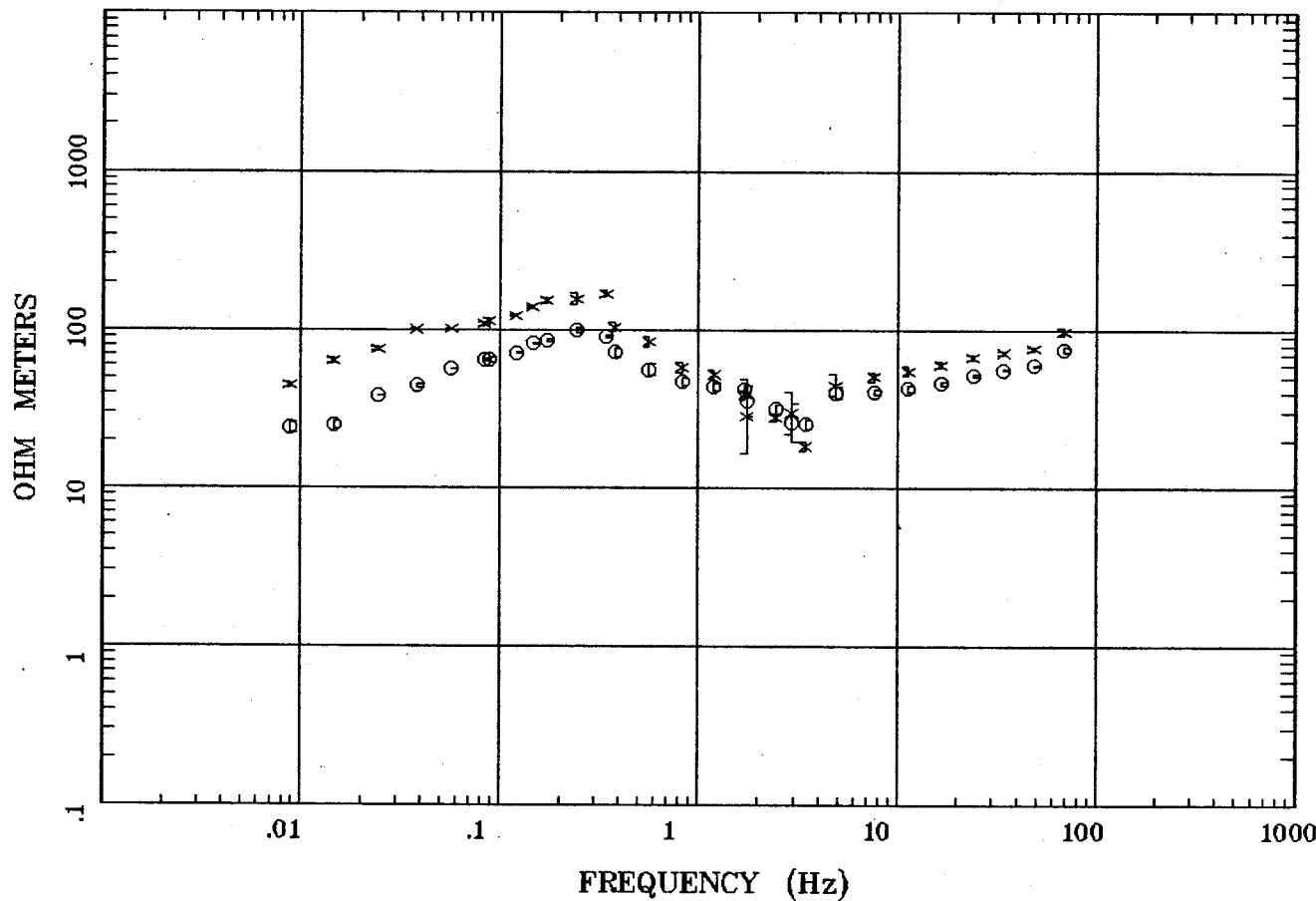
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:48 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



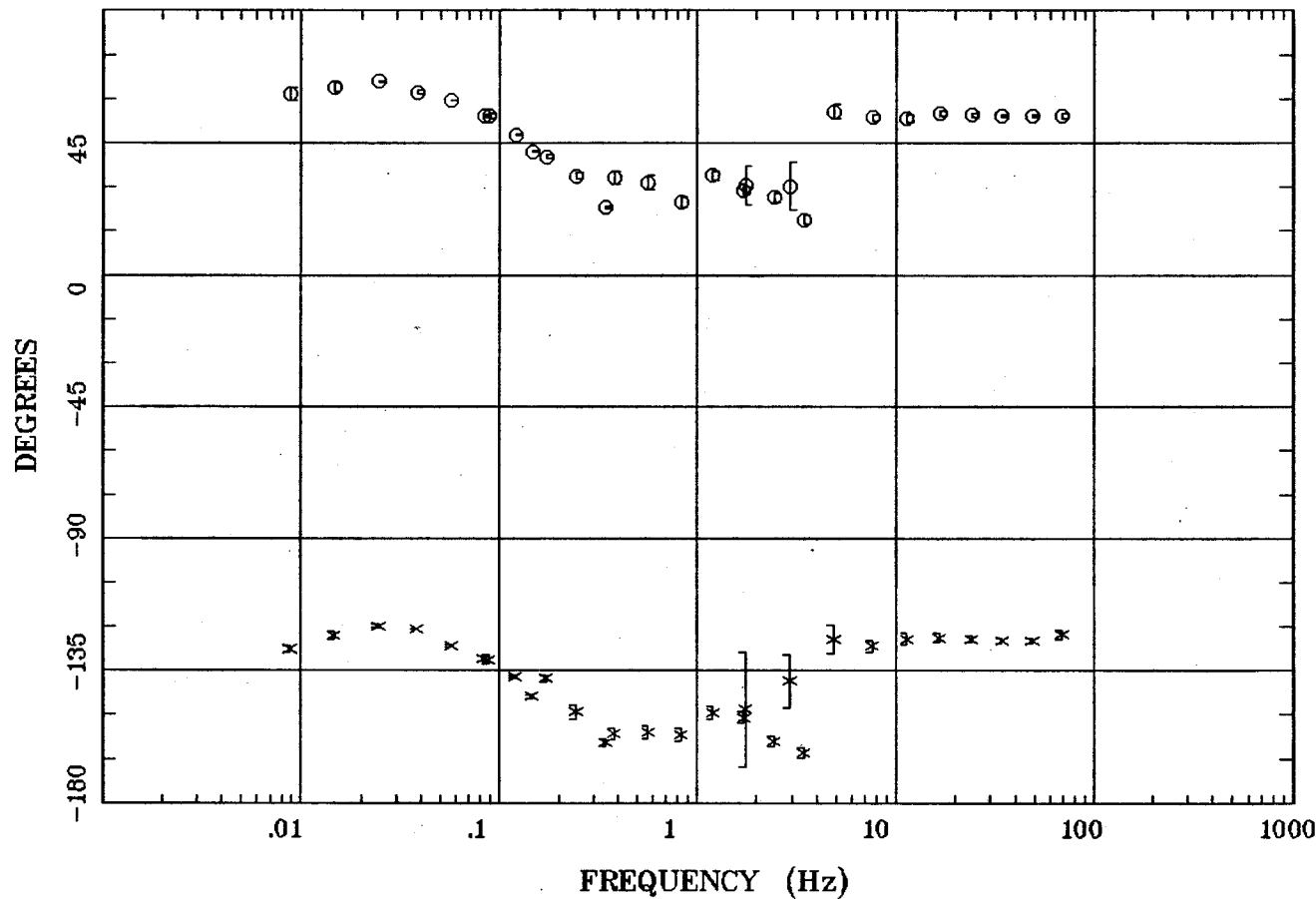
Client:
Remote: e-fld east 90m
Acquired: 10:3 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap12m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:48 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



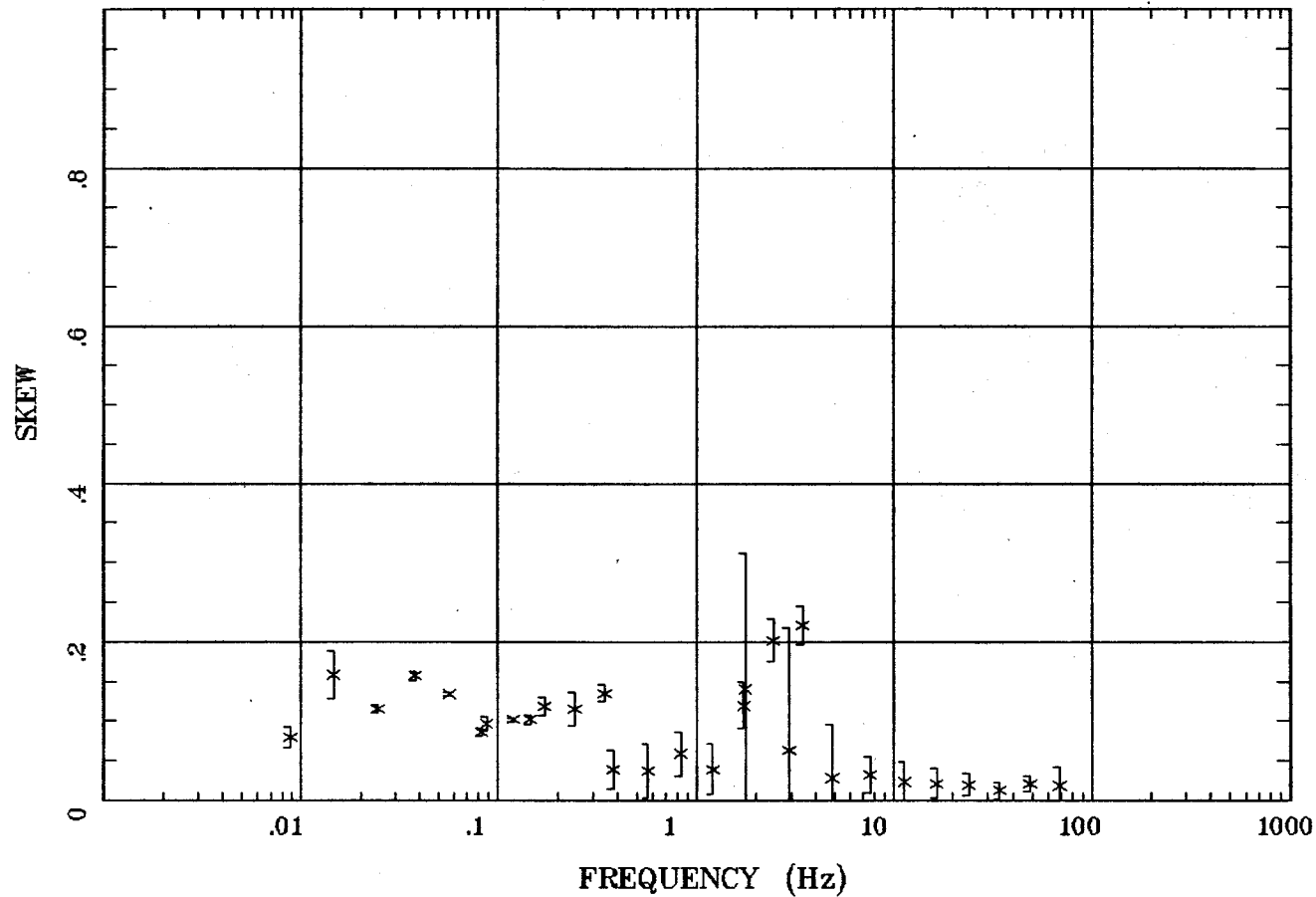
Client:
 Remote: e-fld NE 90m
 Acquired: 14:1 Sep 09, 2003
 Survey Co:USGS

Rotation:
 Filename: ap13mall.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 08:49 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



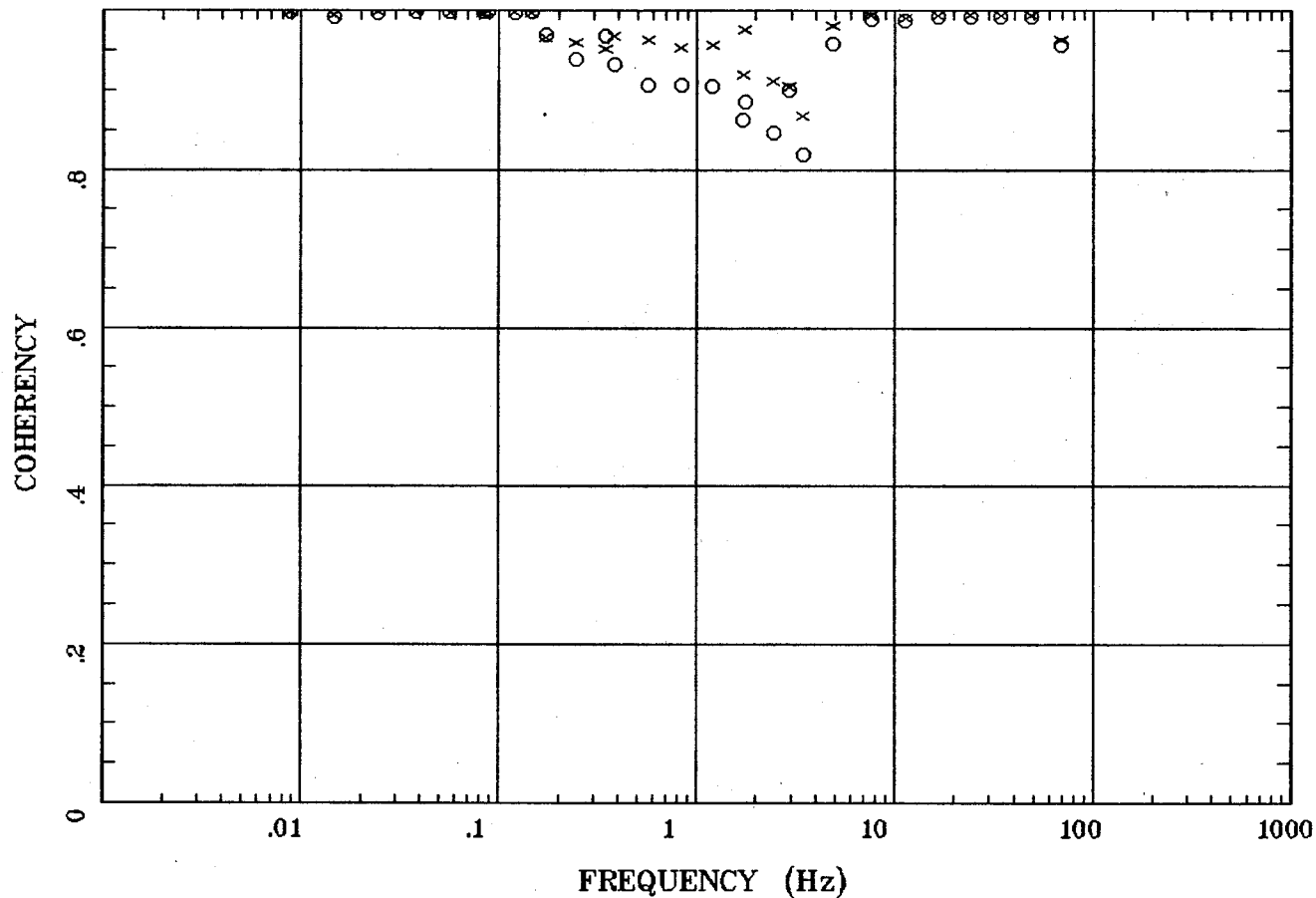
Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

E MULT Coh.

Currie, NV 100 K

Station 13



Client:

Remote: e-fld NE 90m

Acquired: 14:1 Sep 09, 2003

Survey Co:USGS

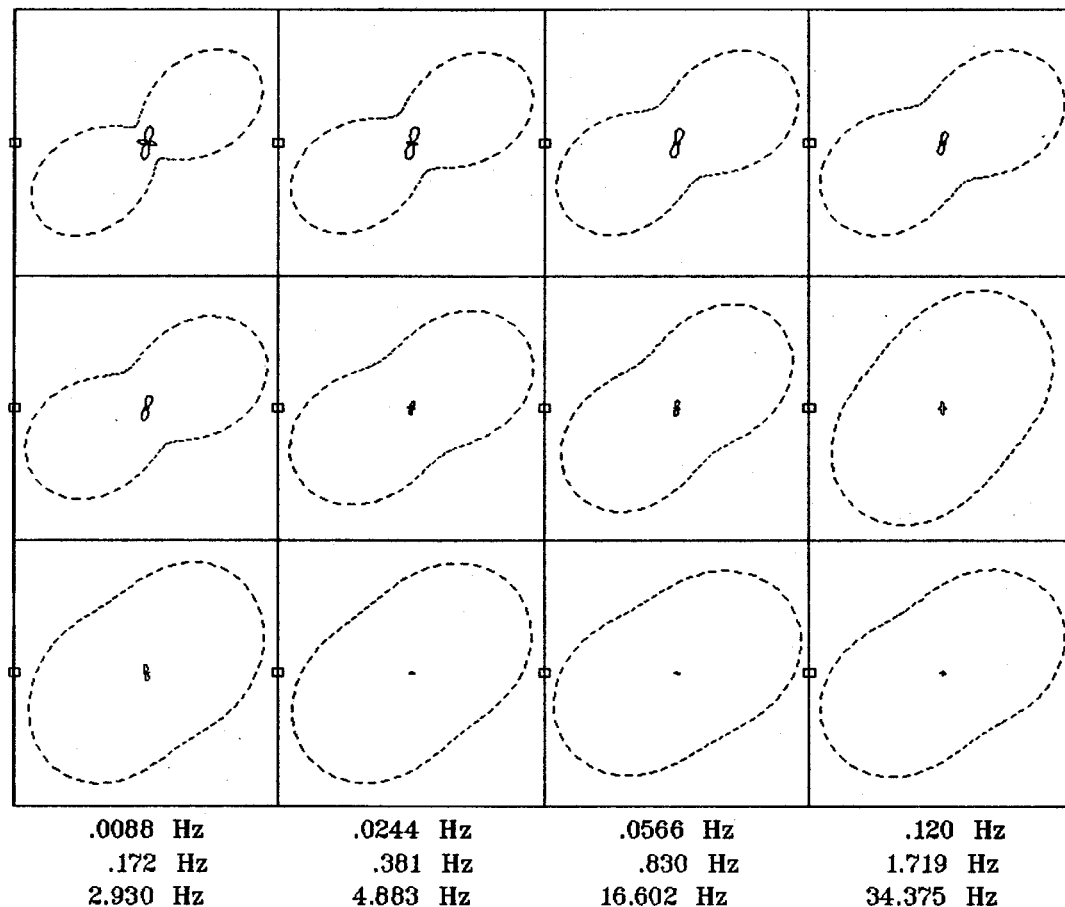
Rotation:

Filename: ap13mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

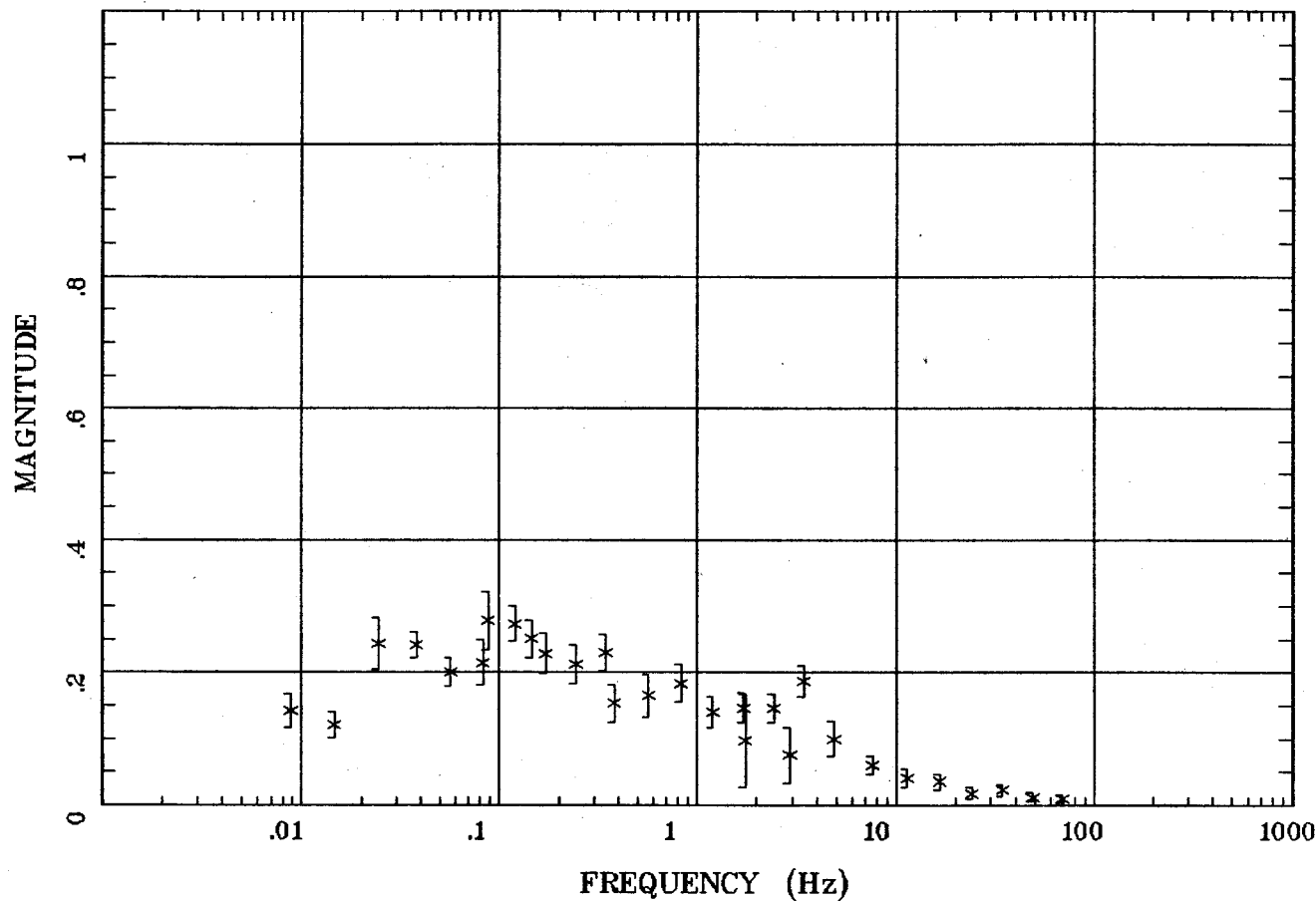
Plotted: 08:49 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



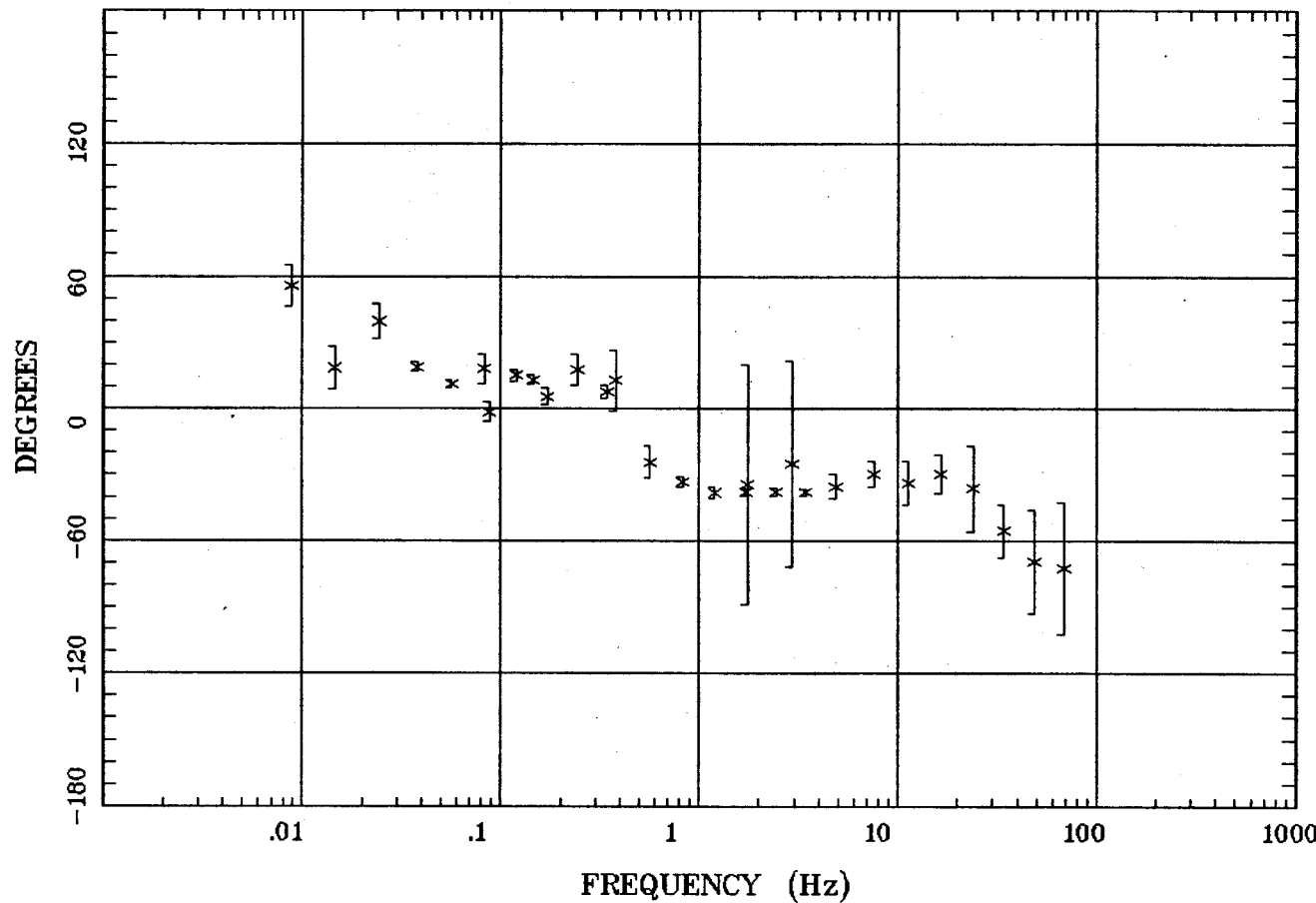
Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



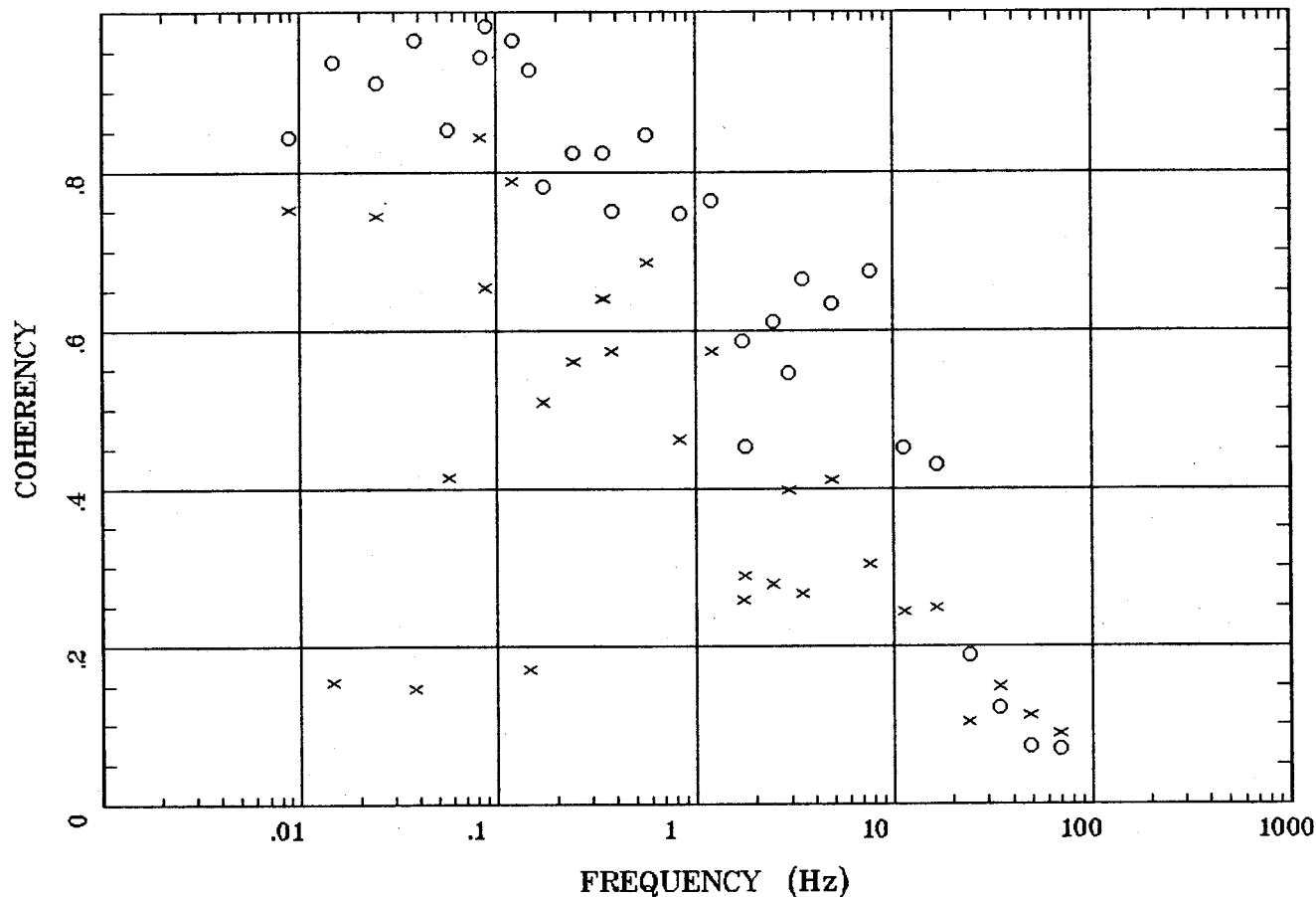
Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



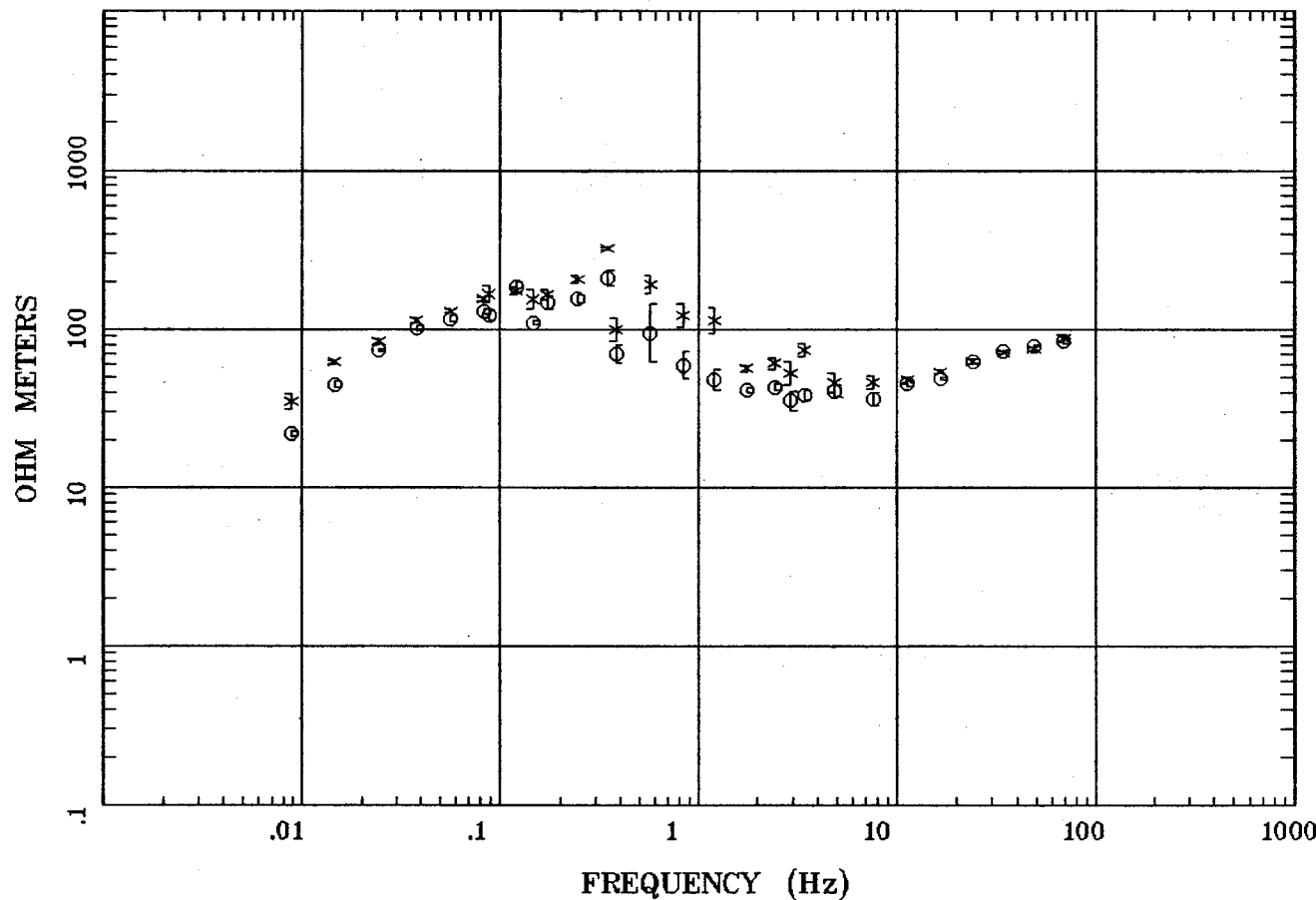
Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



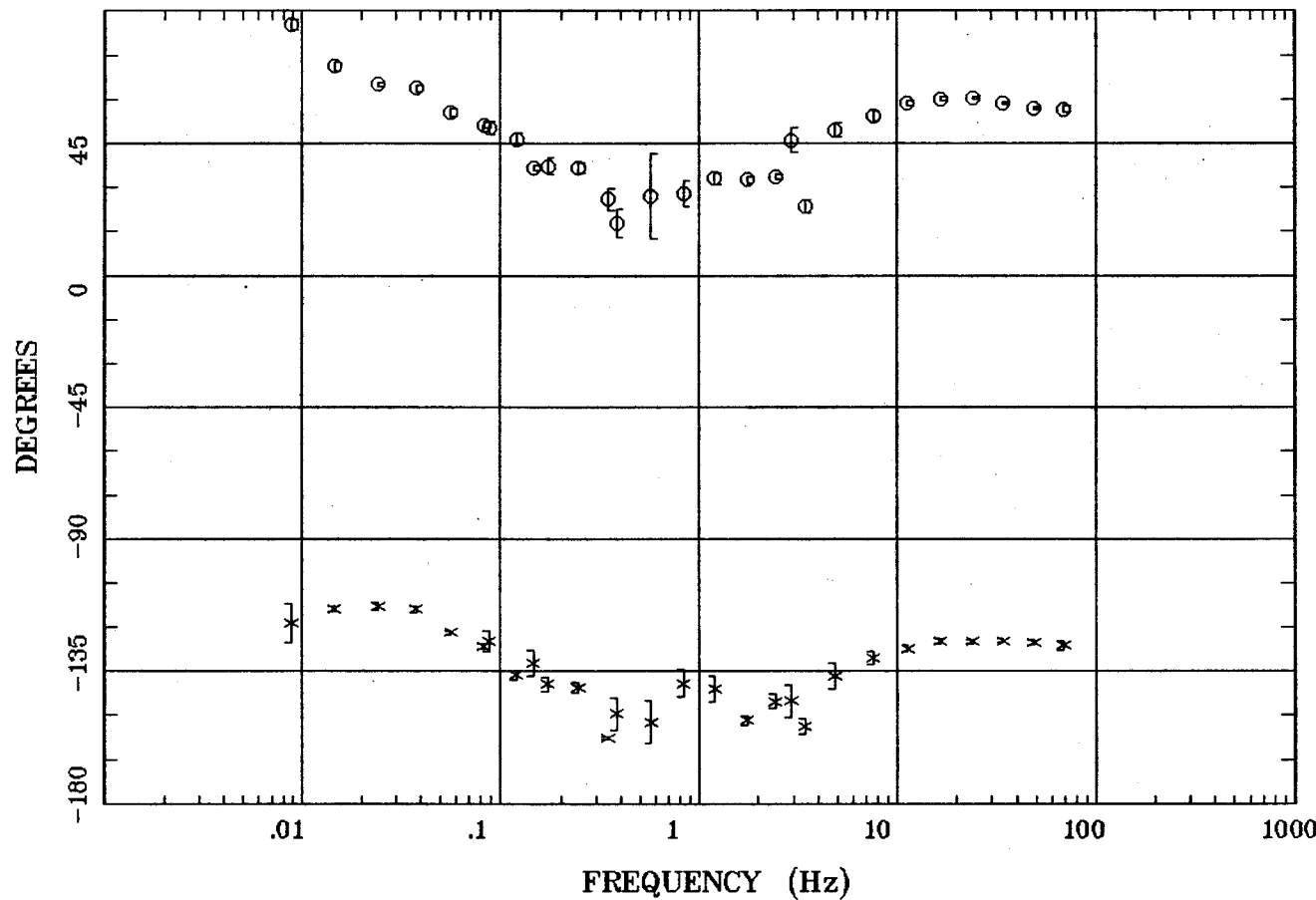
Client:
Remote: e-fld NE 90m
Acquired: 14:1 Sep 09, 2003
Survey Co:USGS

Rotation:
Filename: ap13mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



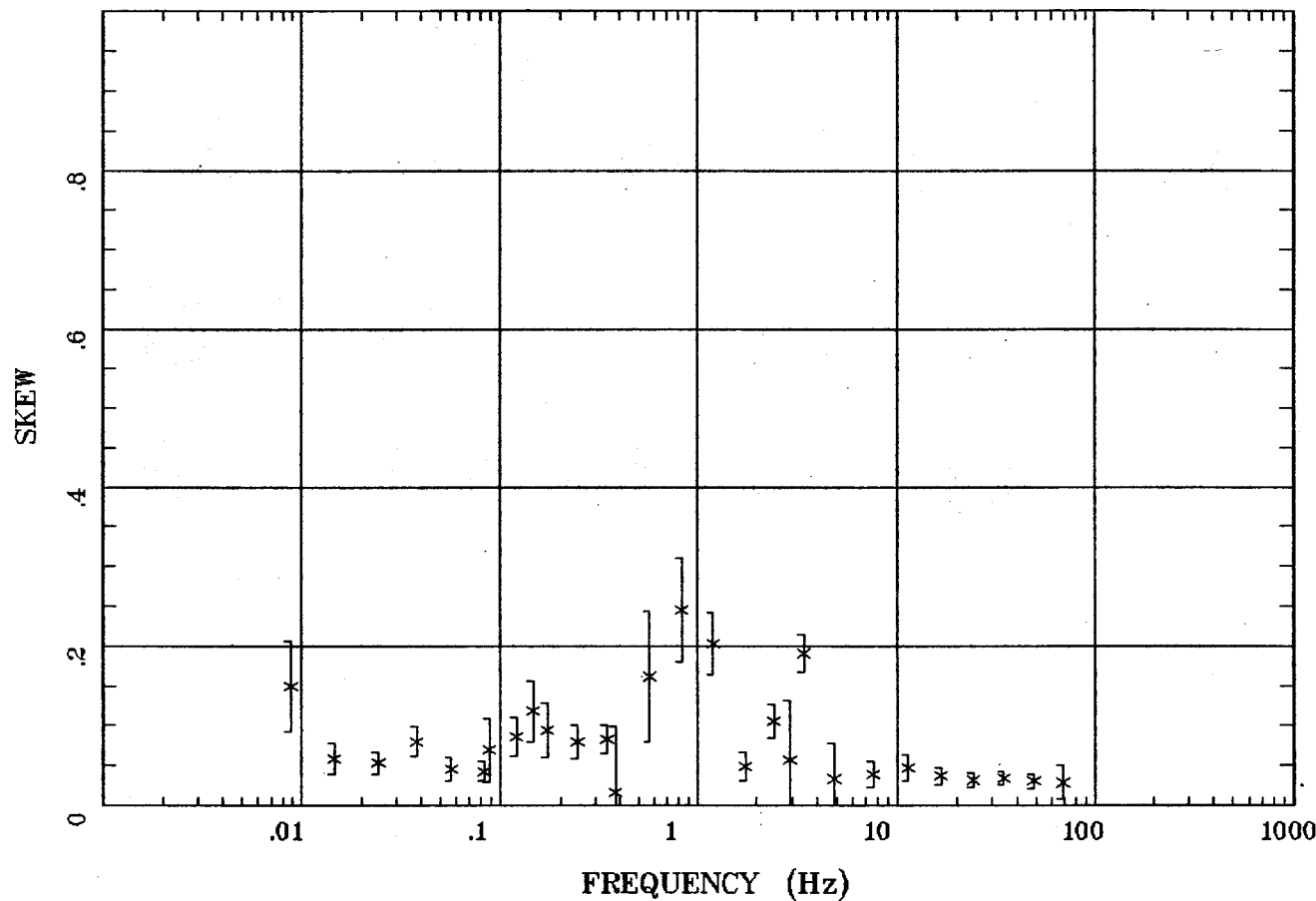
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:49 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



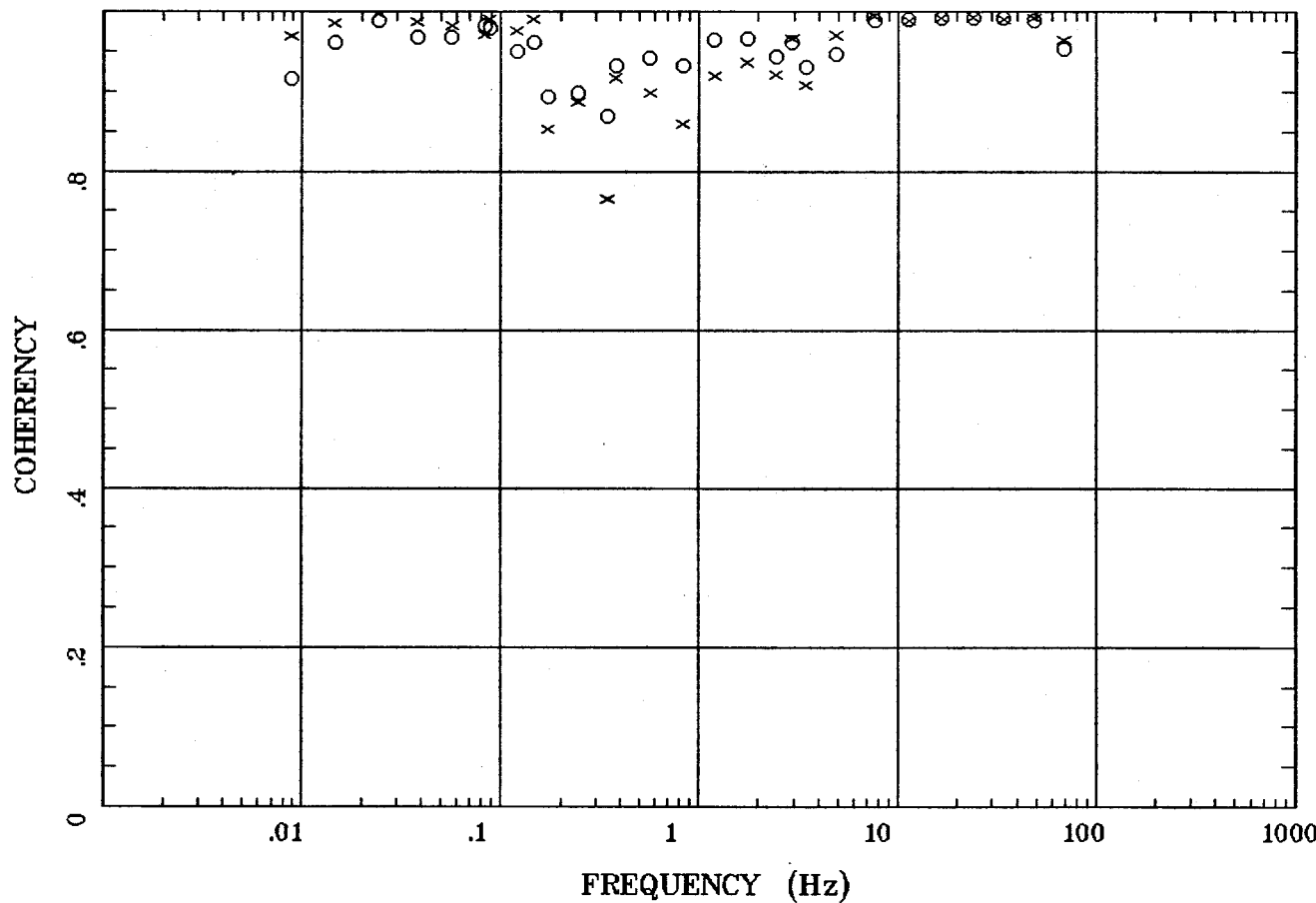
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



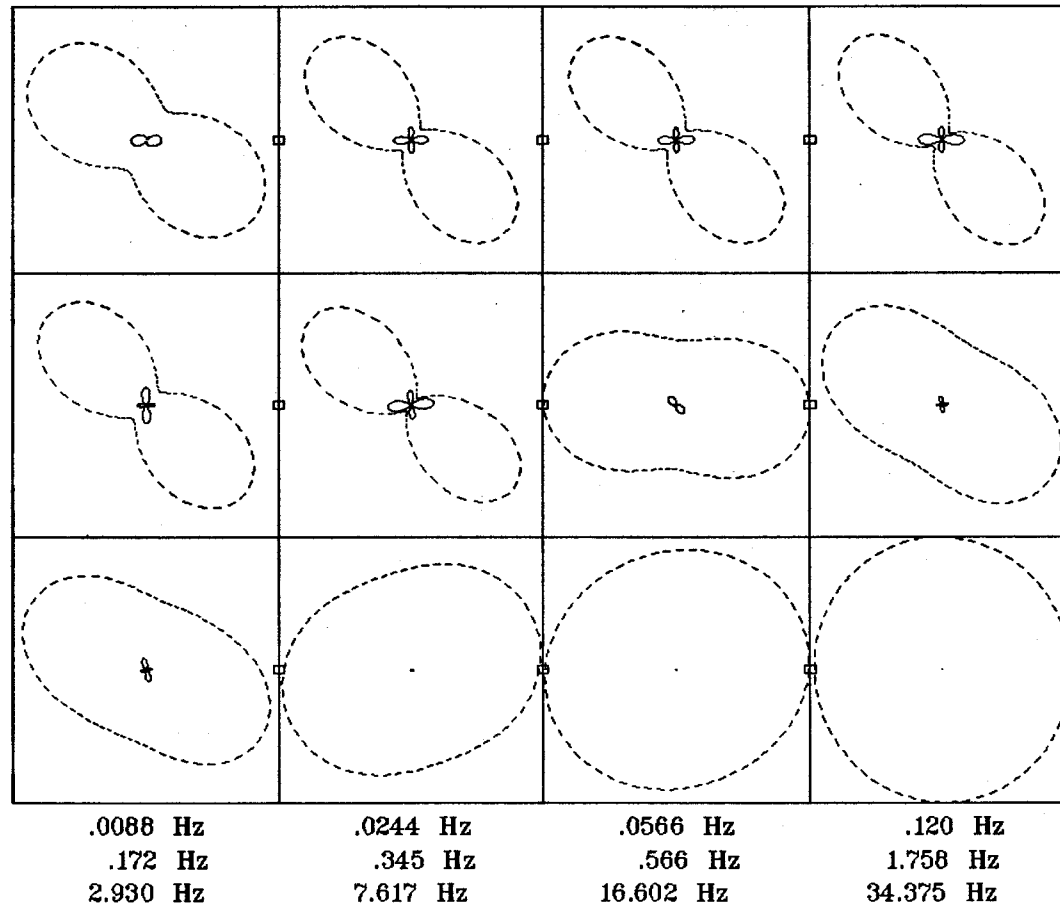
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



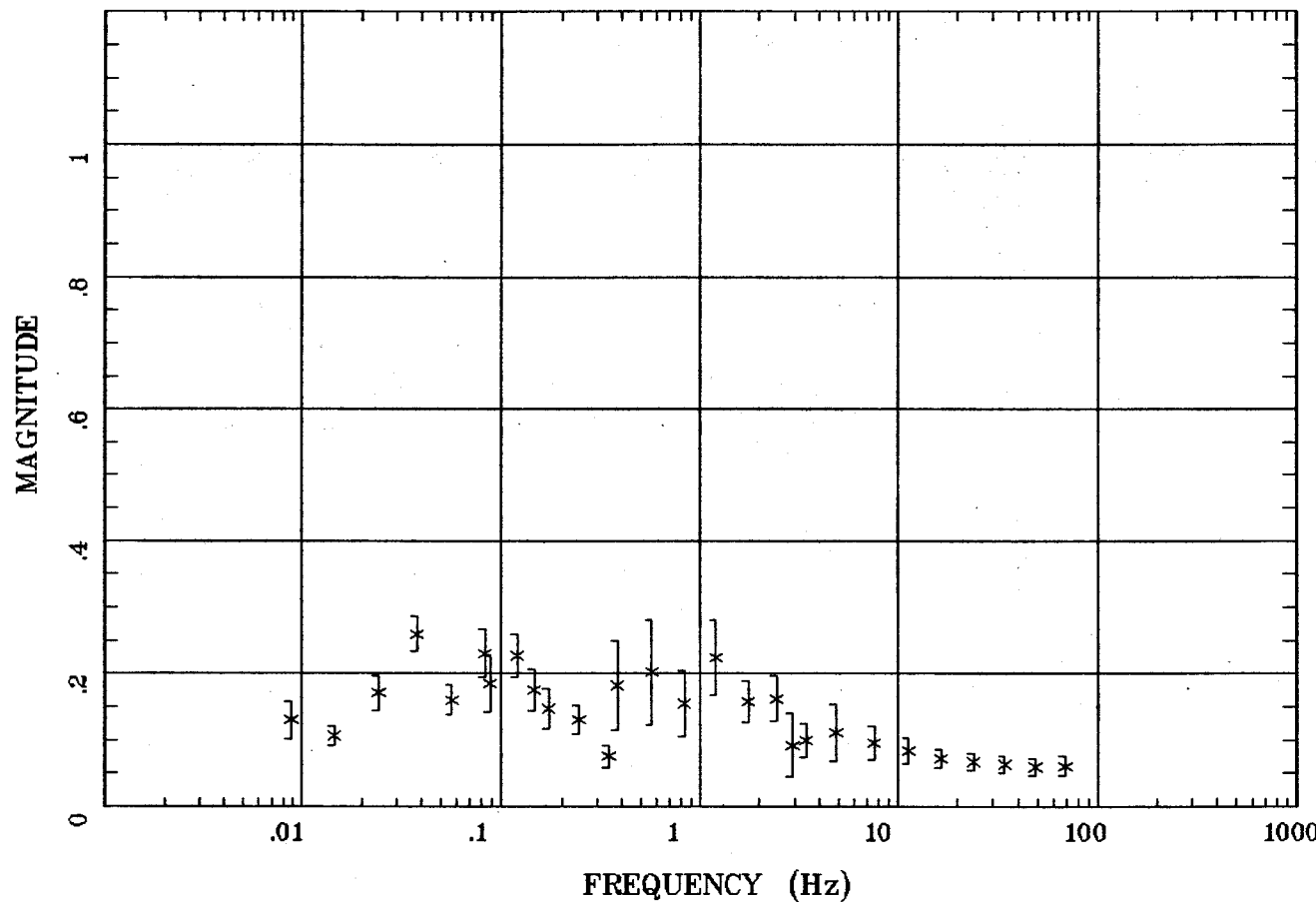
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



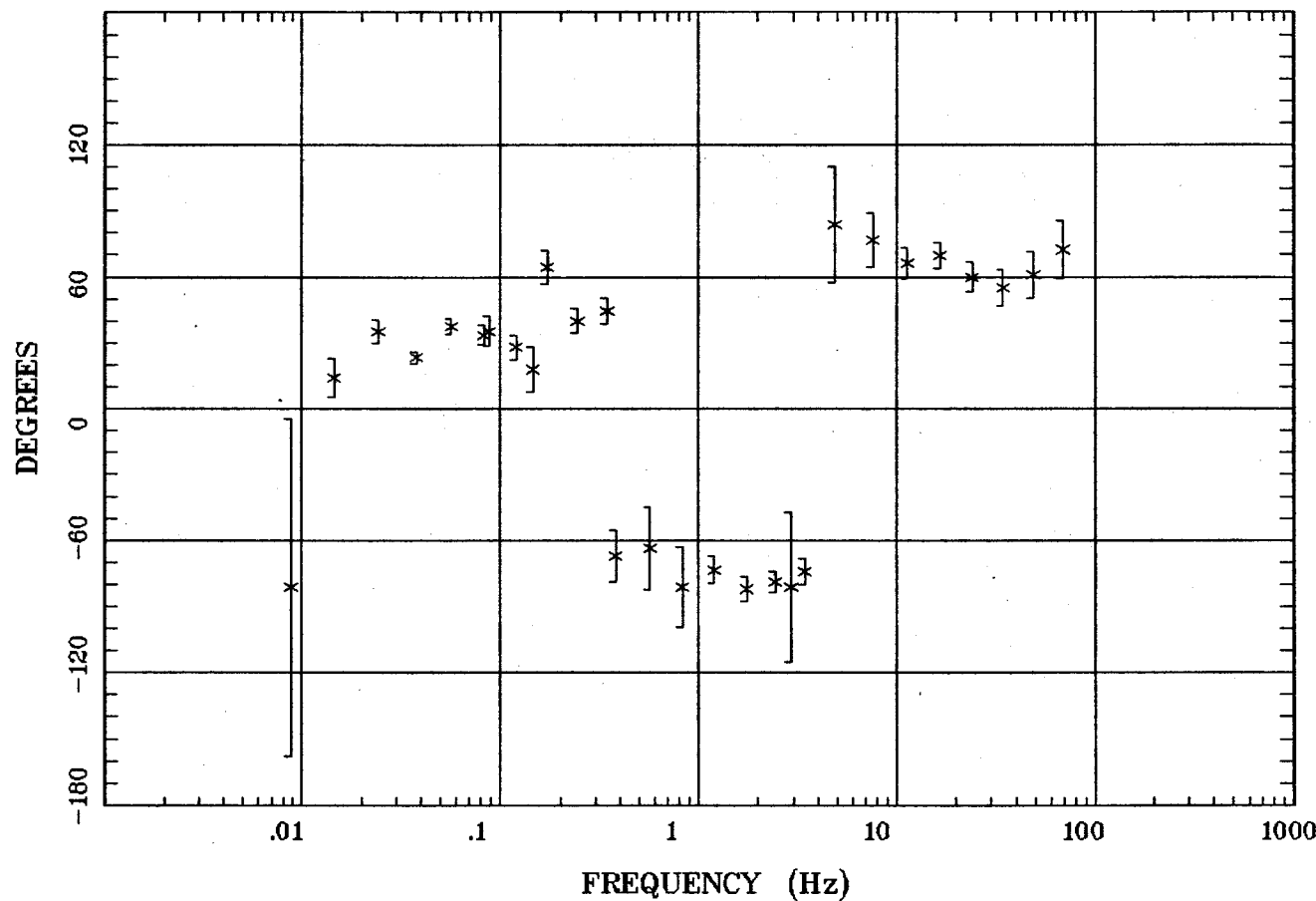
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



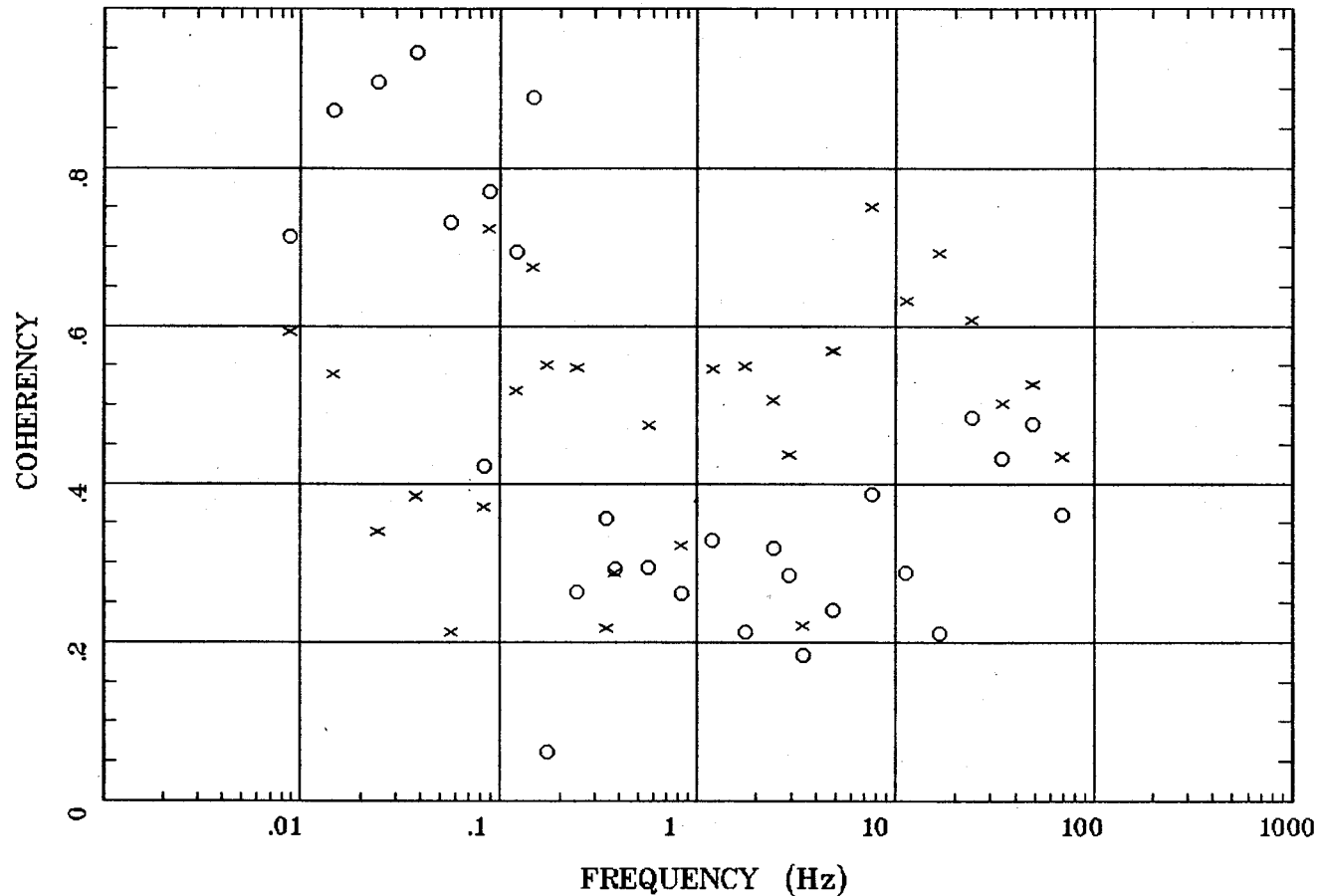
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



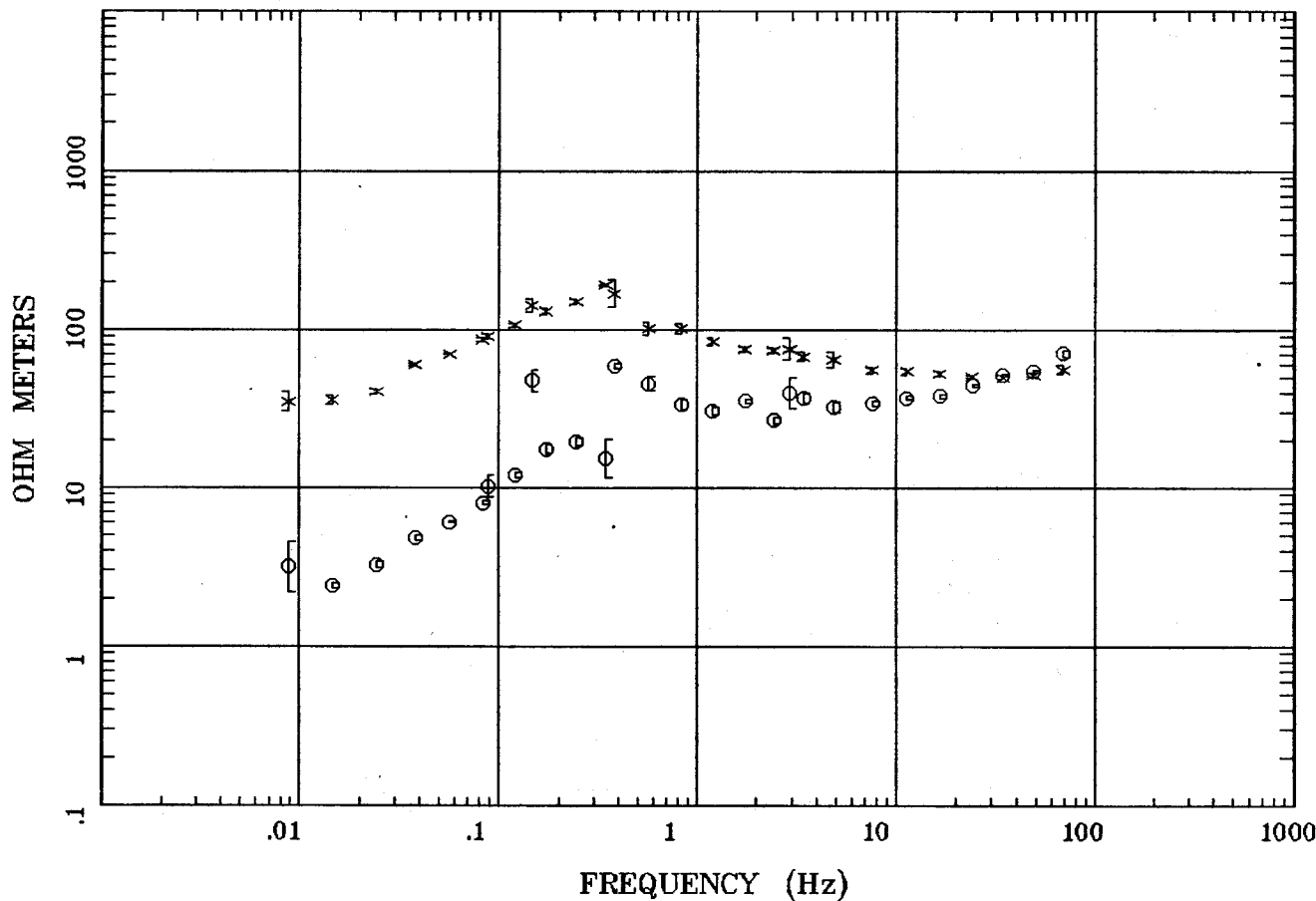
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



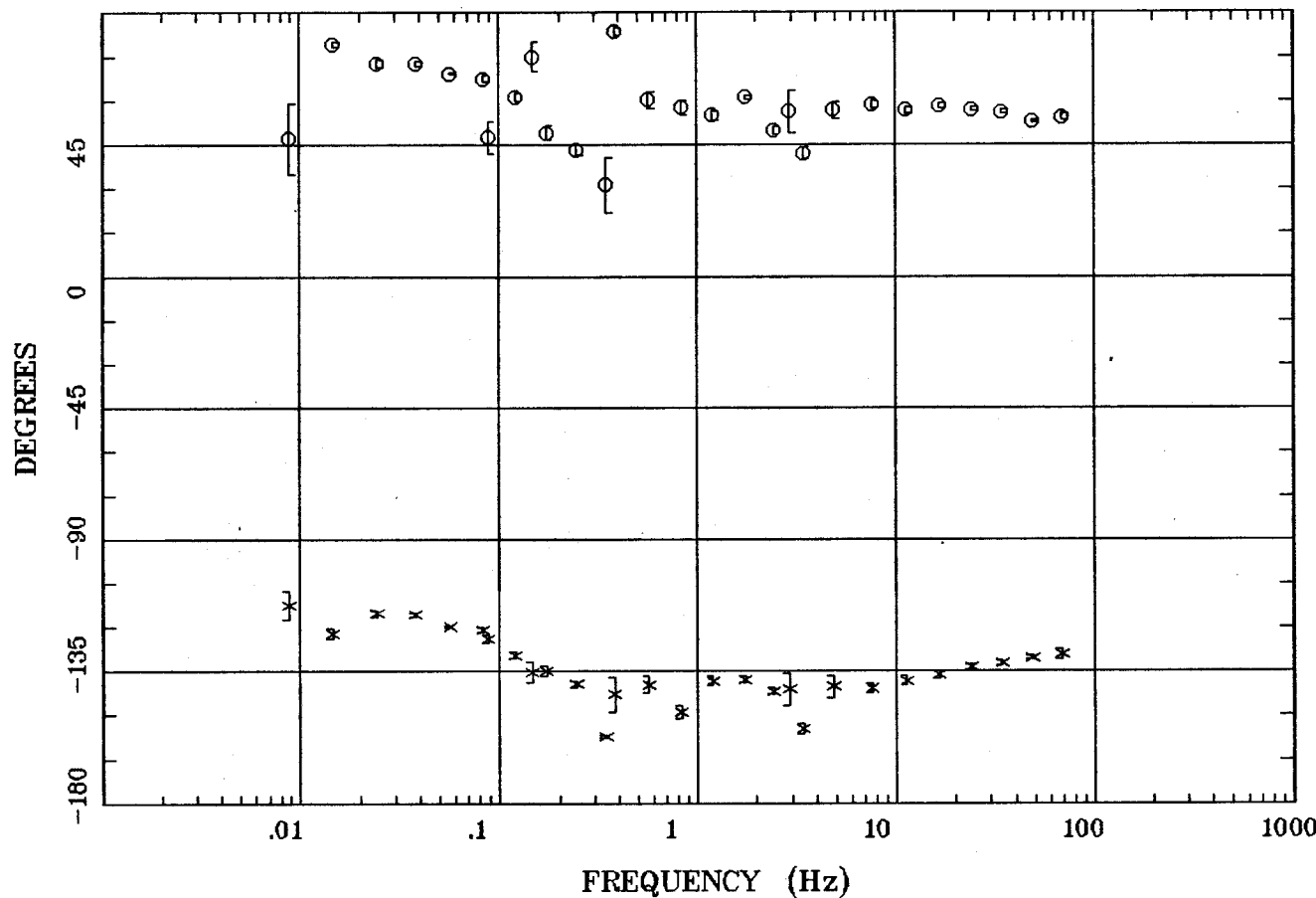
Client:
Remote: e-fld SE 90m
Acquired: 10:5 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap14mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:50 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



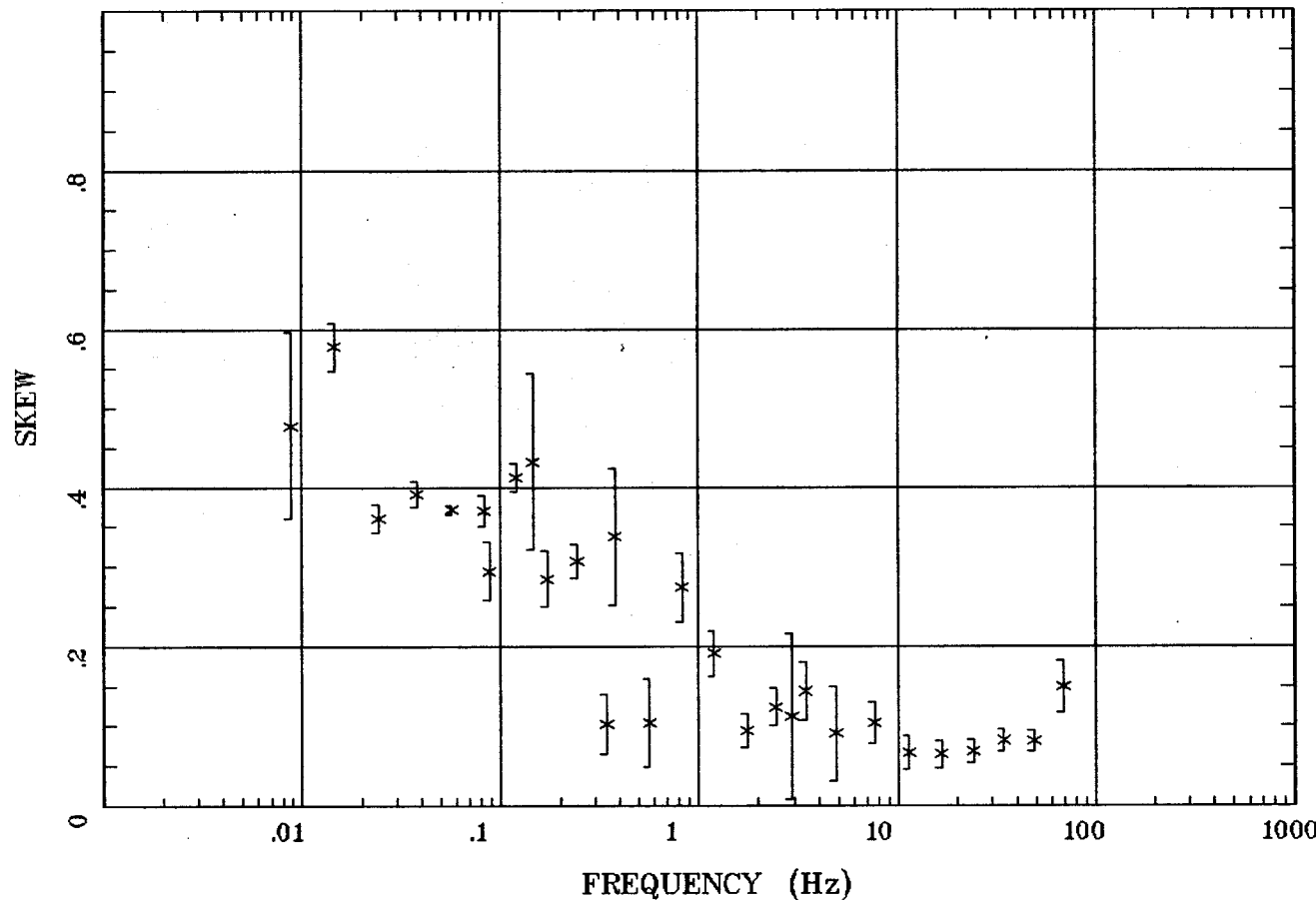
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



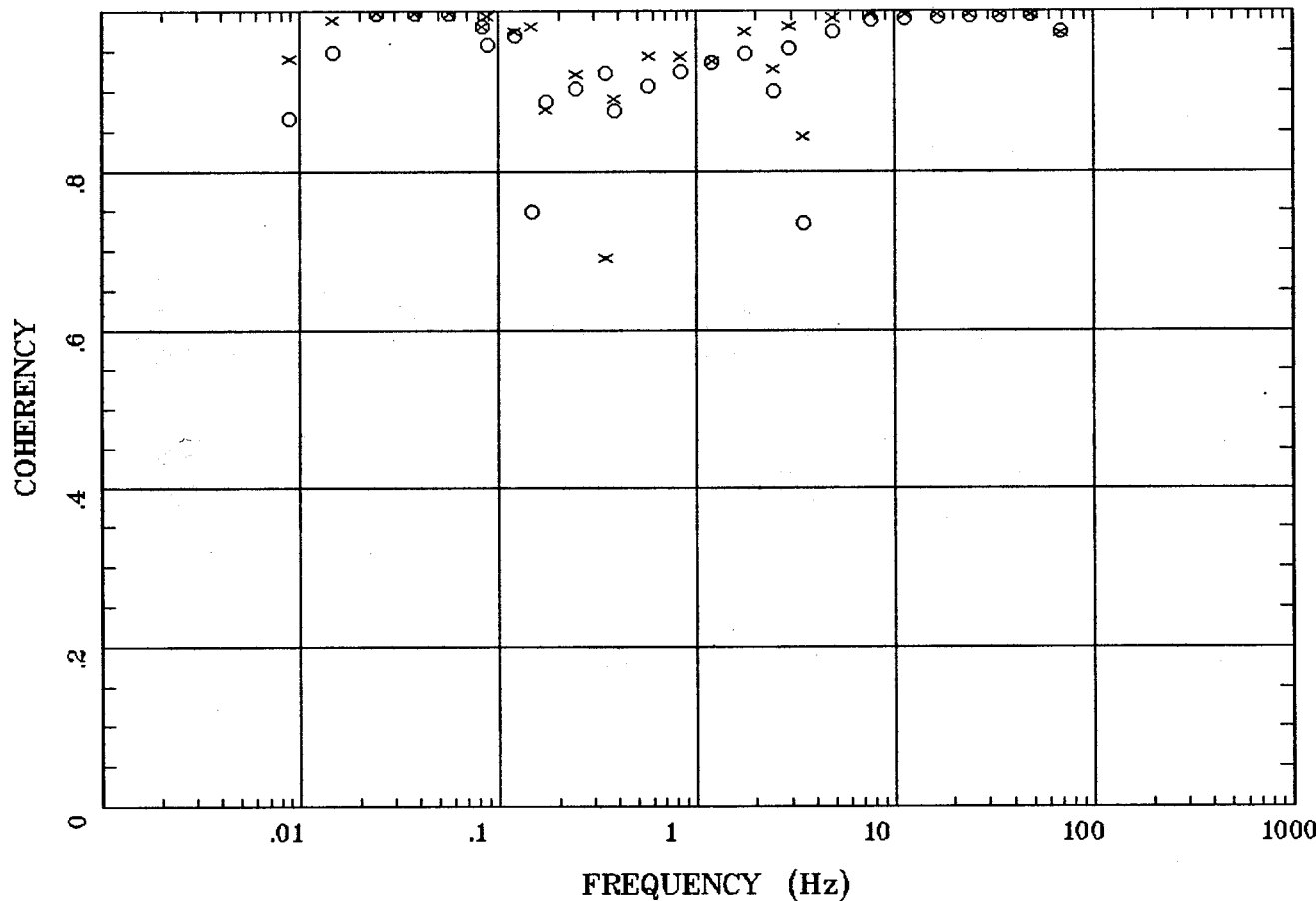
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



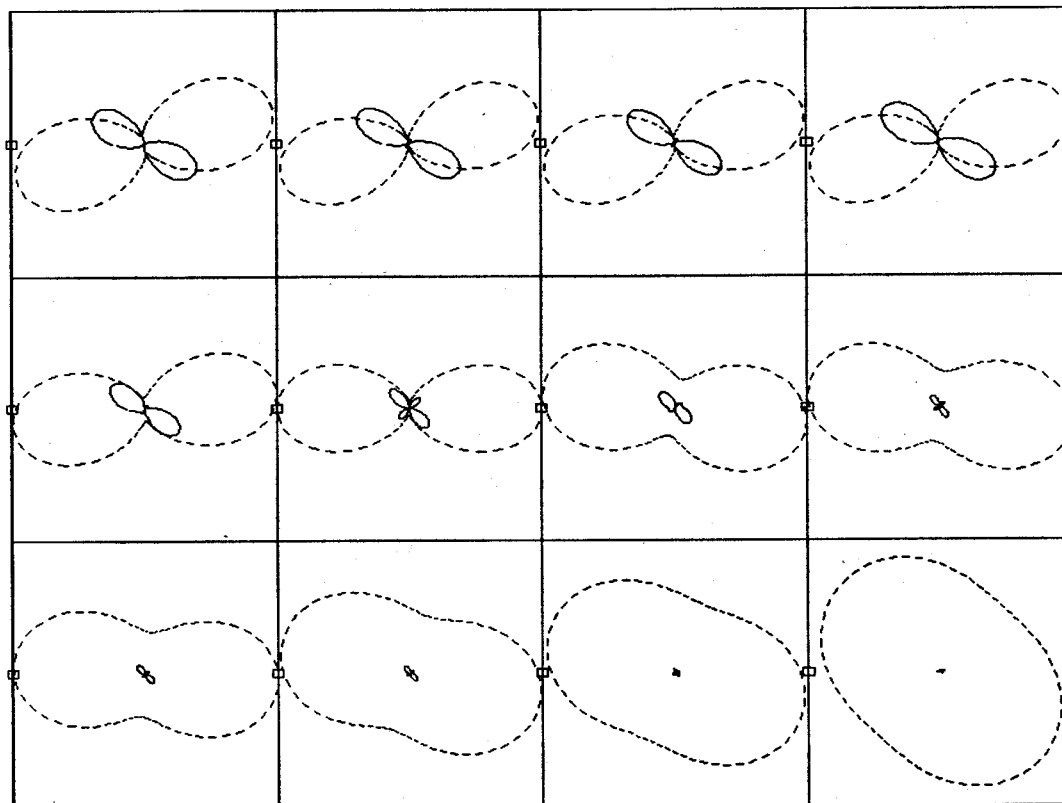
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch6 Ch7 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:29 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



.0088 Hz

.0244 Hz

.0566 Hz

.120 Hz

.172 Hz

.345 Hz

.566 Hz

1.758 Hz

2.930 Hz

7.617 Hz

16.602 Hz

34.375 Hz

Client:

Remote: e-fld E 90 m

Acquired: 14:2 Sep 10, 2003

Survey Co:USGS

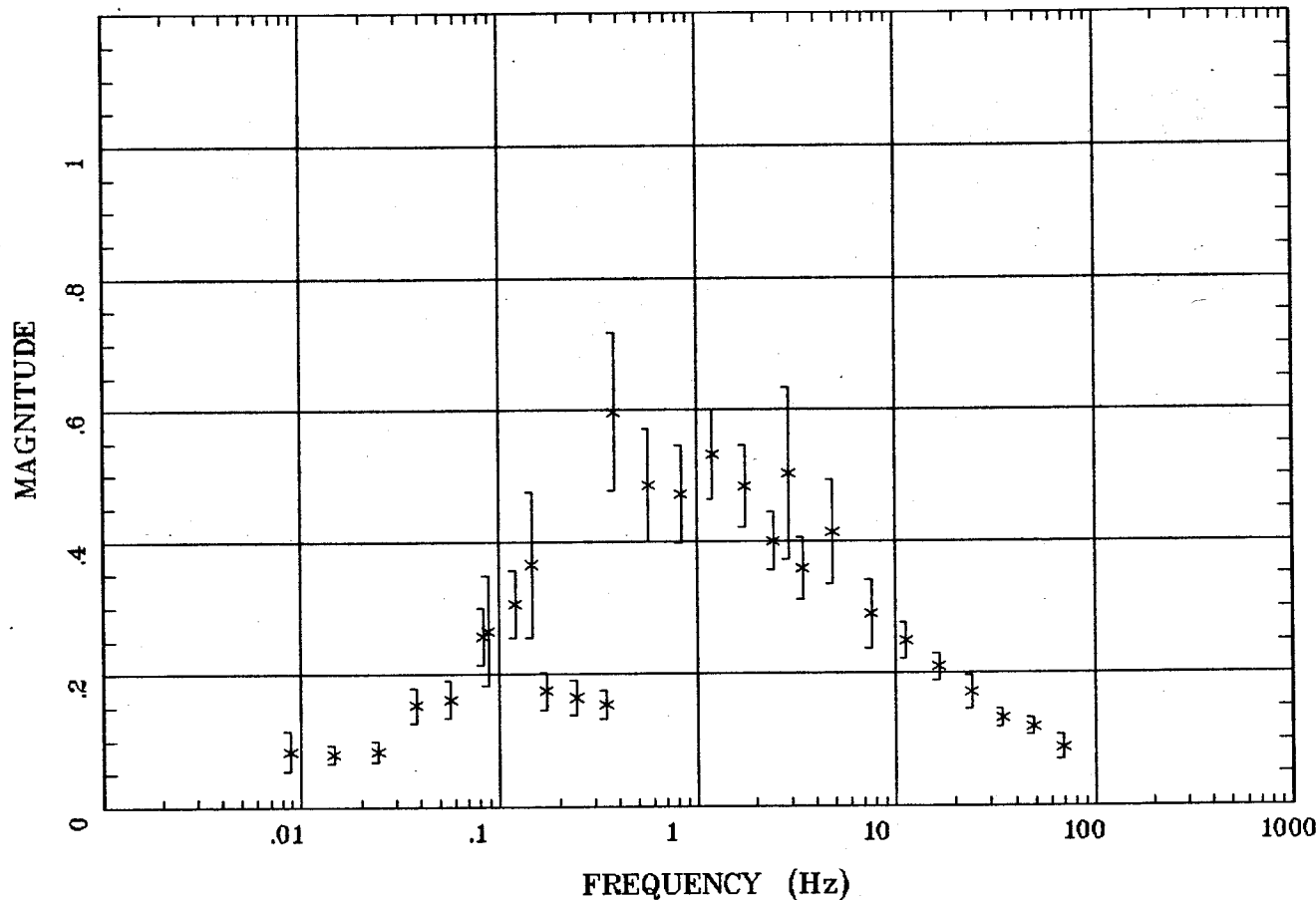
Rotation:

Filename: ap15m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

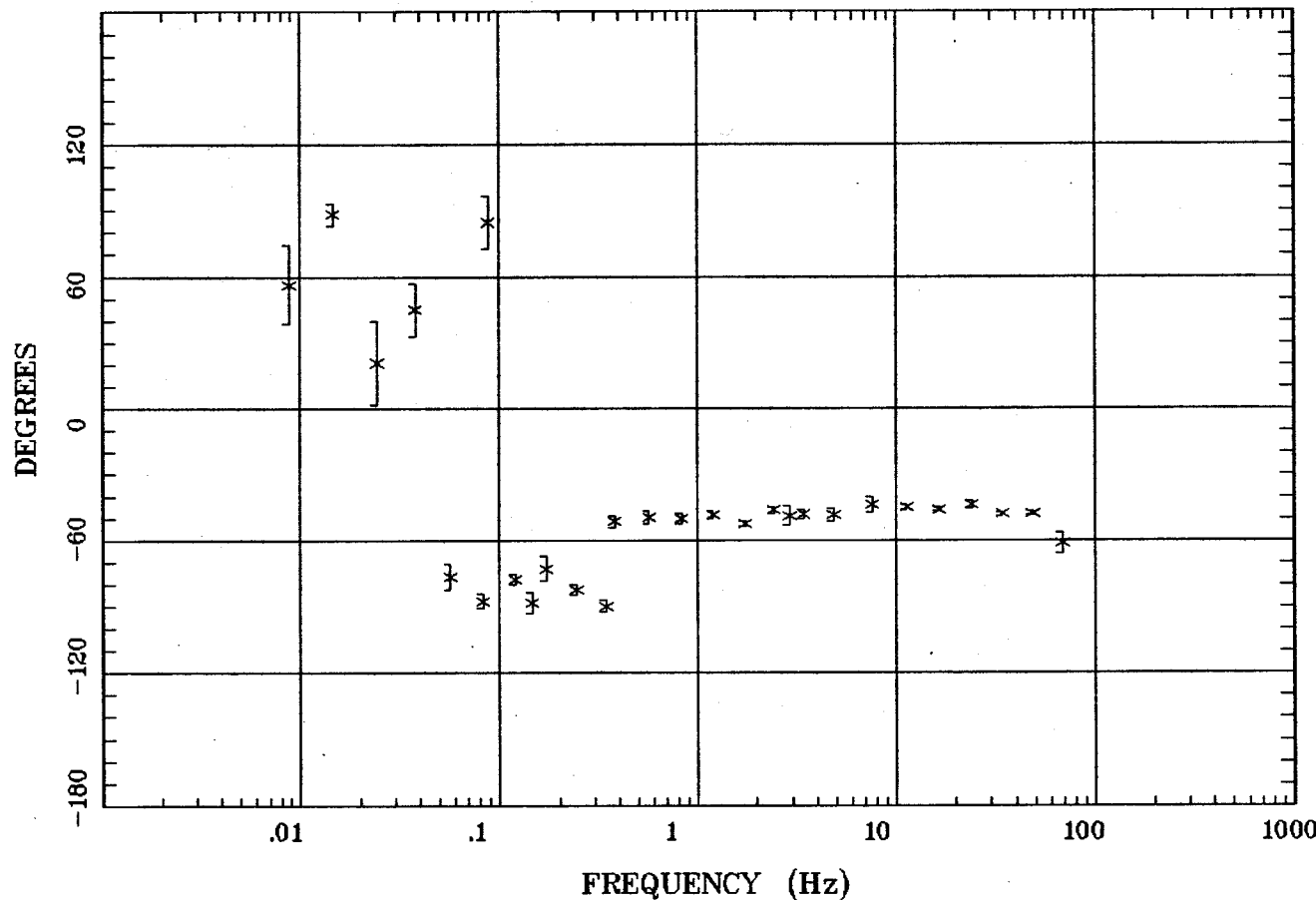
Plotted: 08:51 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



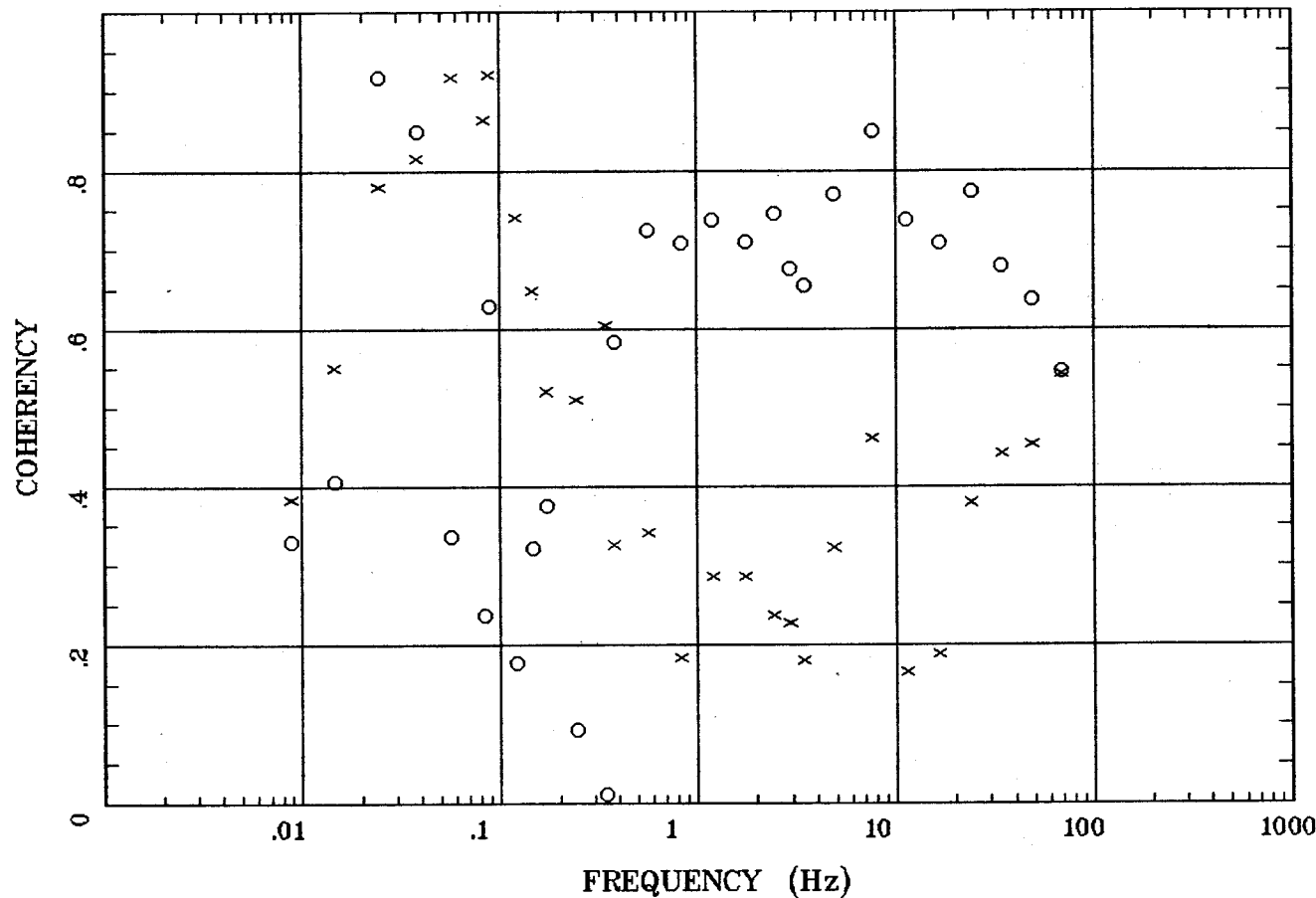
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:51 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



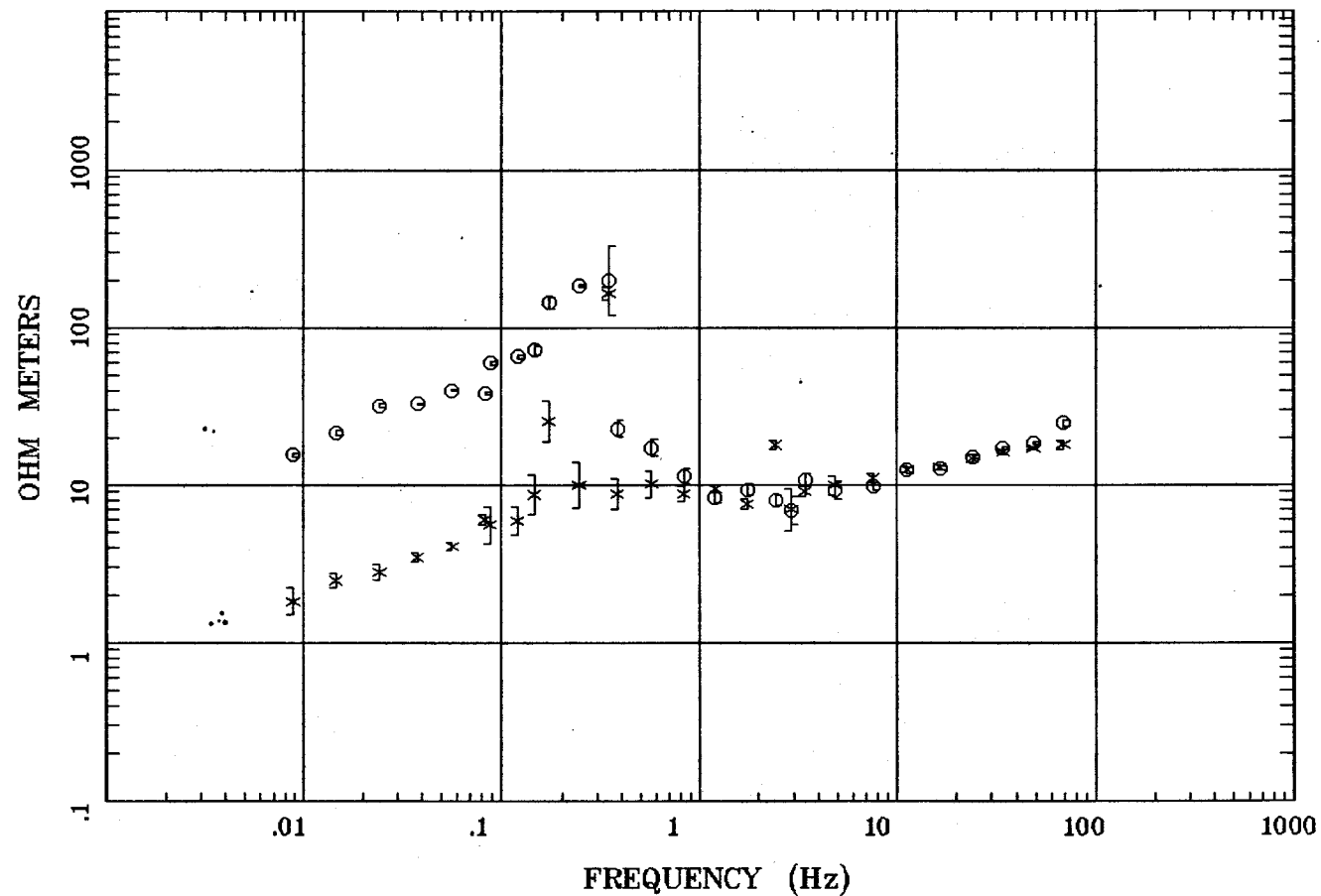
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:51 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



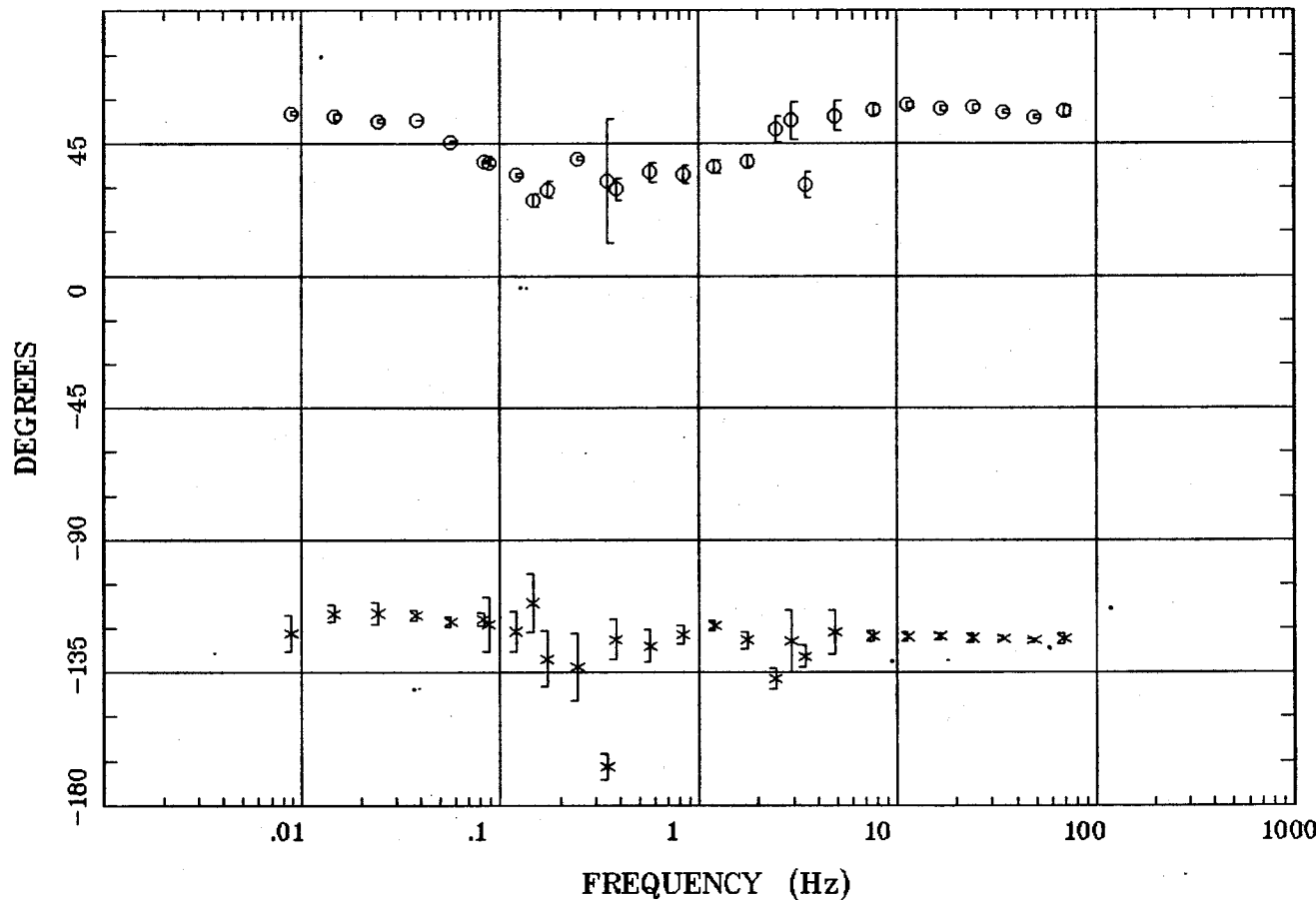
Client:
Remote: e-fld E 90 m
Acquired: 14:2 Sep 10, 2003
Survey Co:USGS

Rotation:
Filename: ap15m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 08:51 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



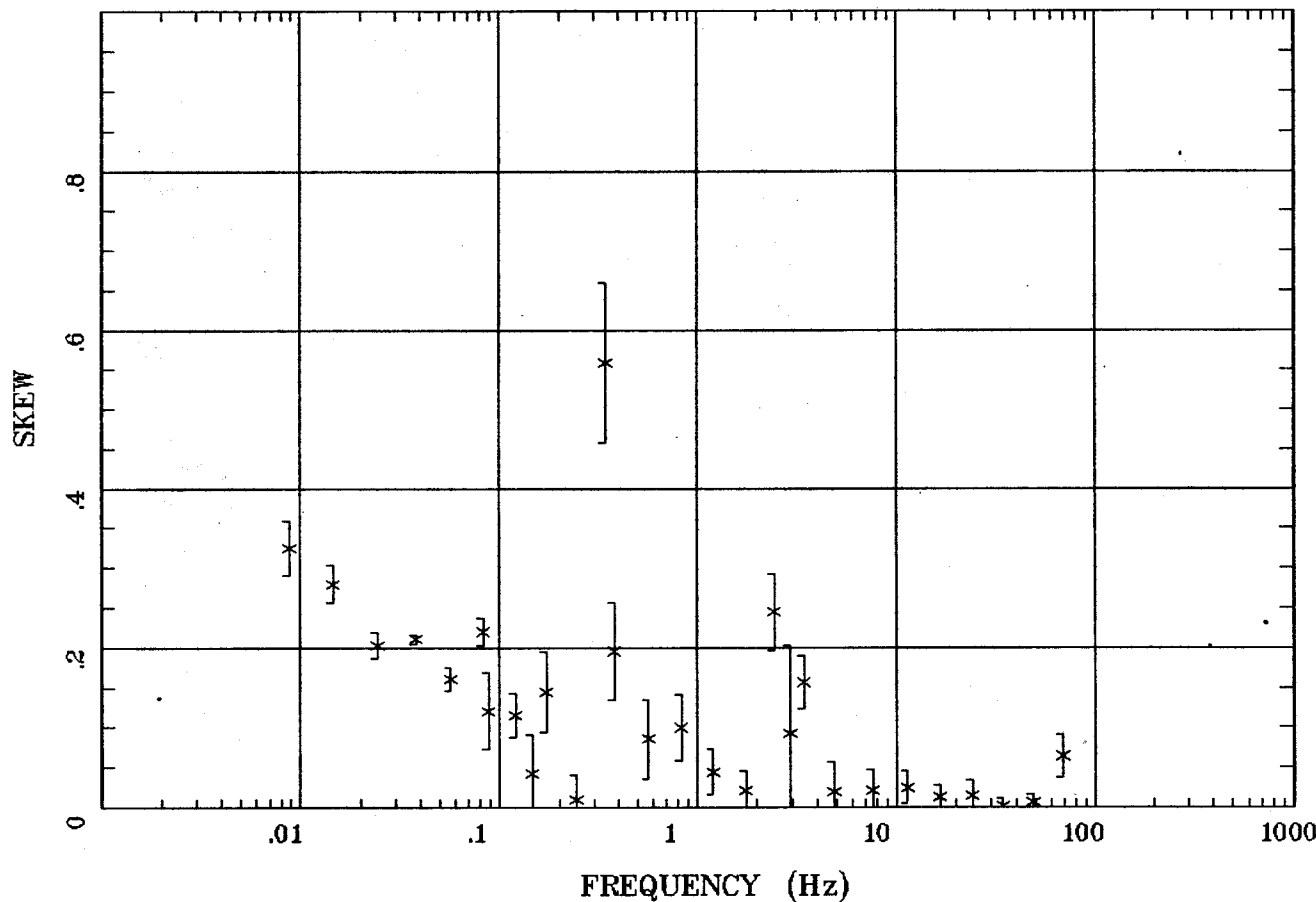
Client:
 Remote: e-fld N 90m
 Acquired: 10:4 Sep 11, 2003
 Survey Co:USGS

Rotation:
 Filename: ap16m.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 14:16 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >



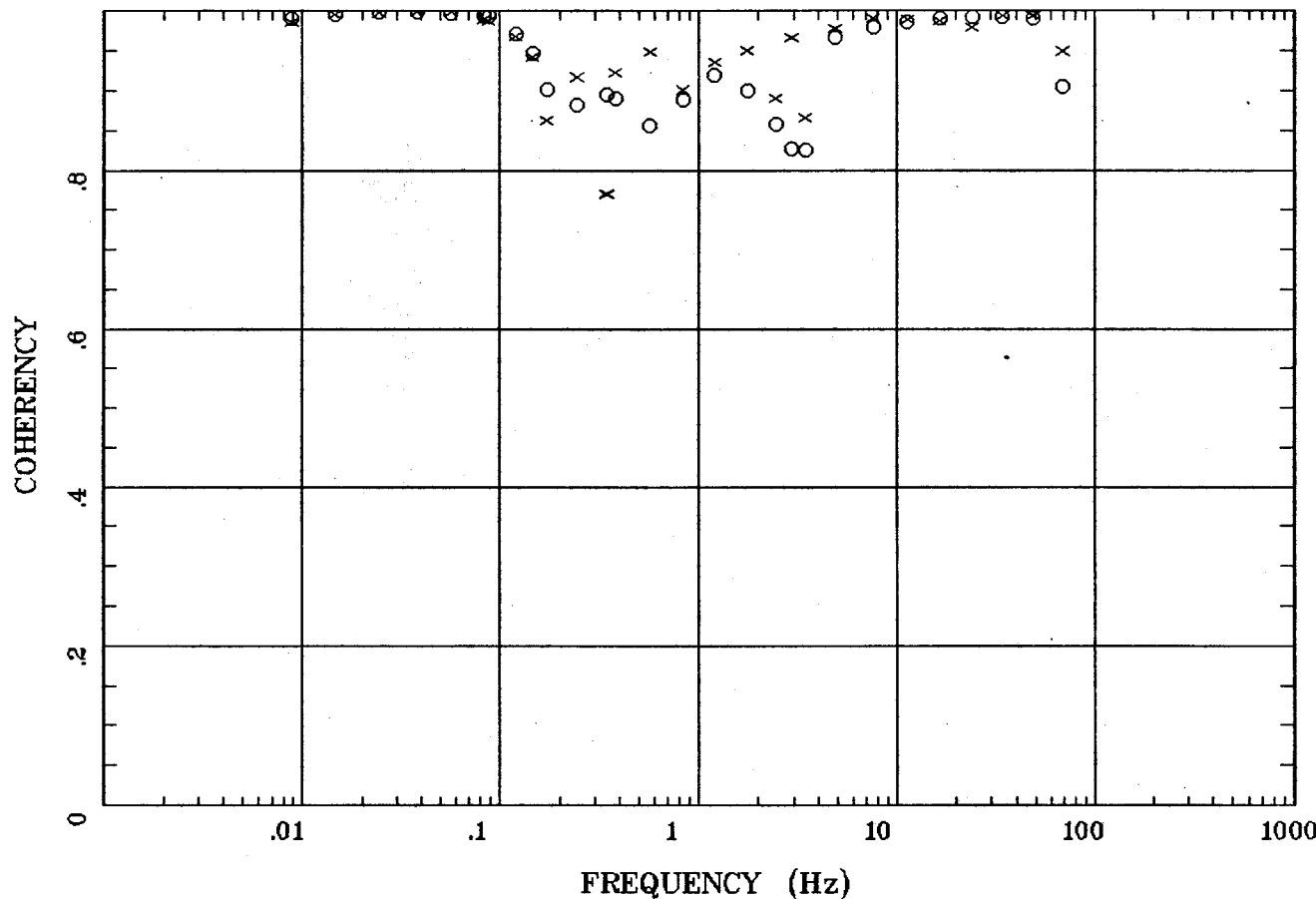
Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



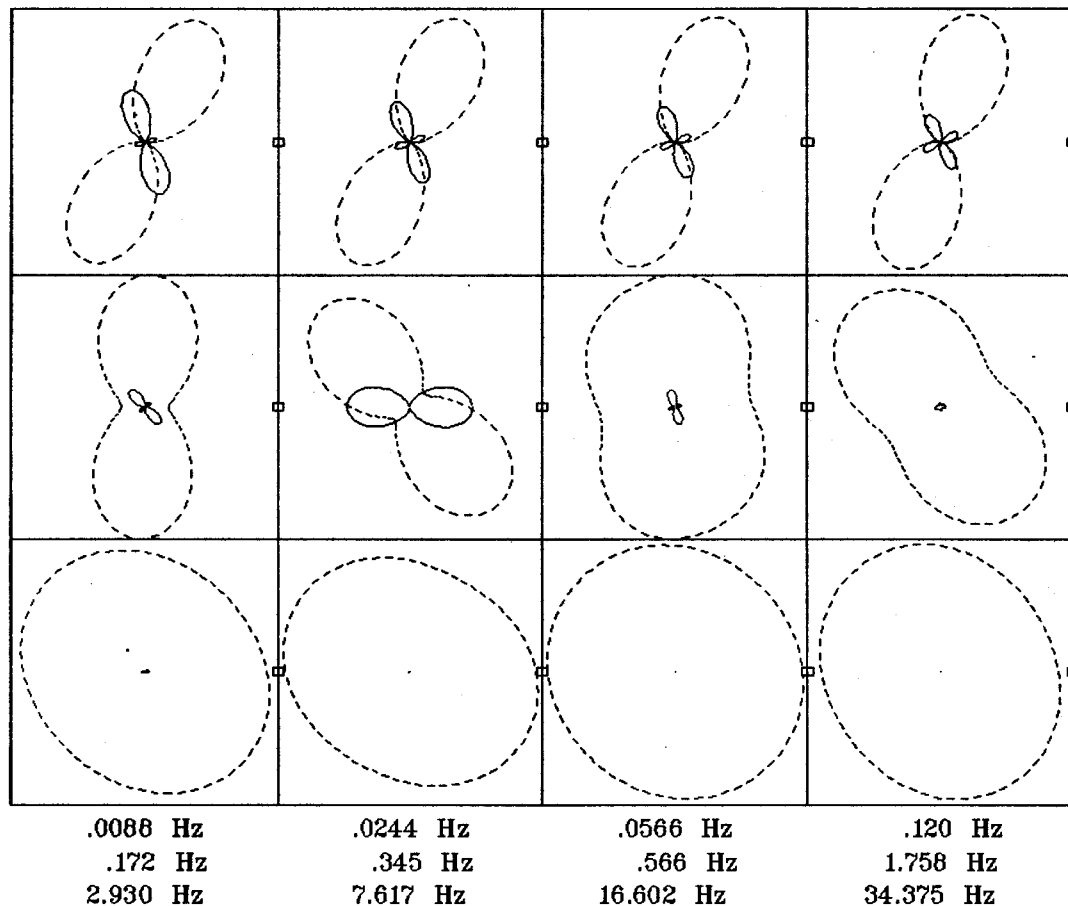
Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



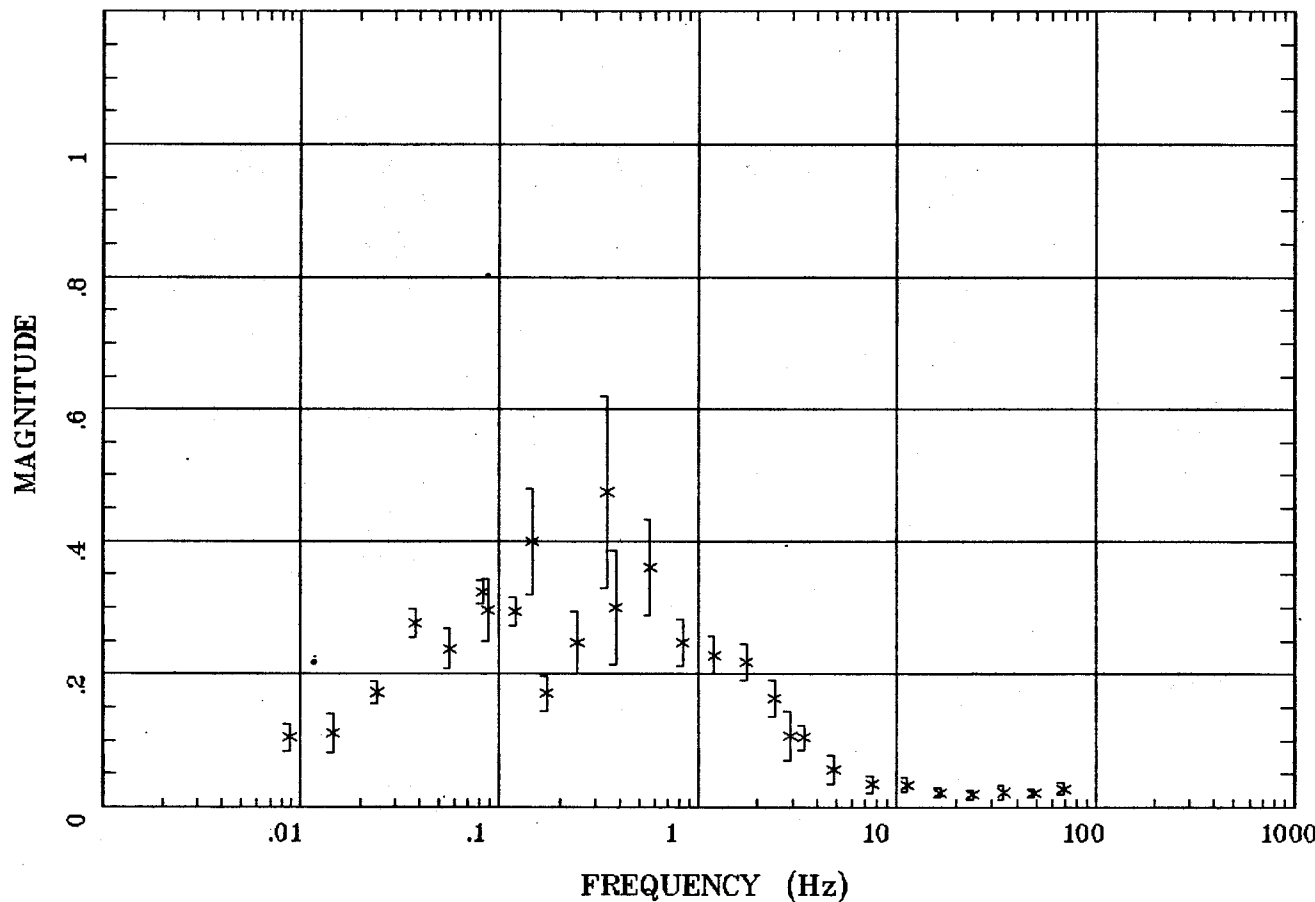
Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

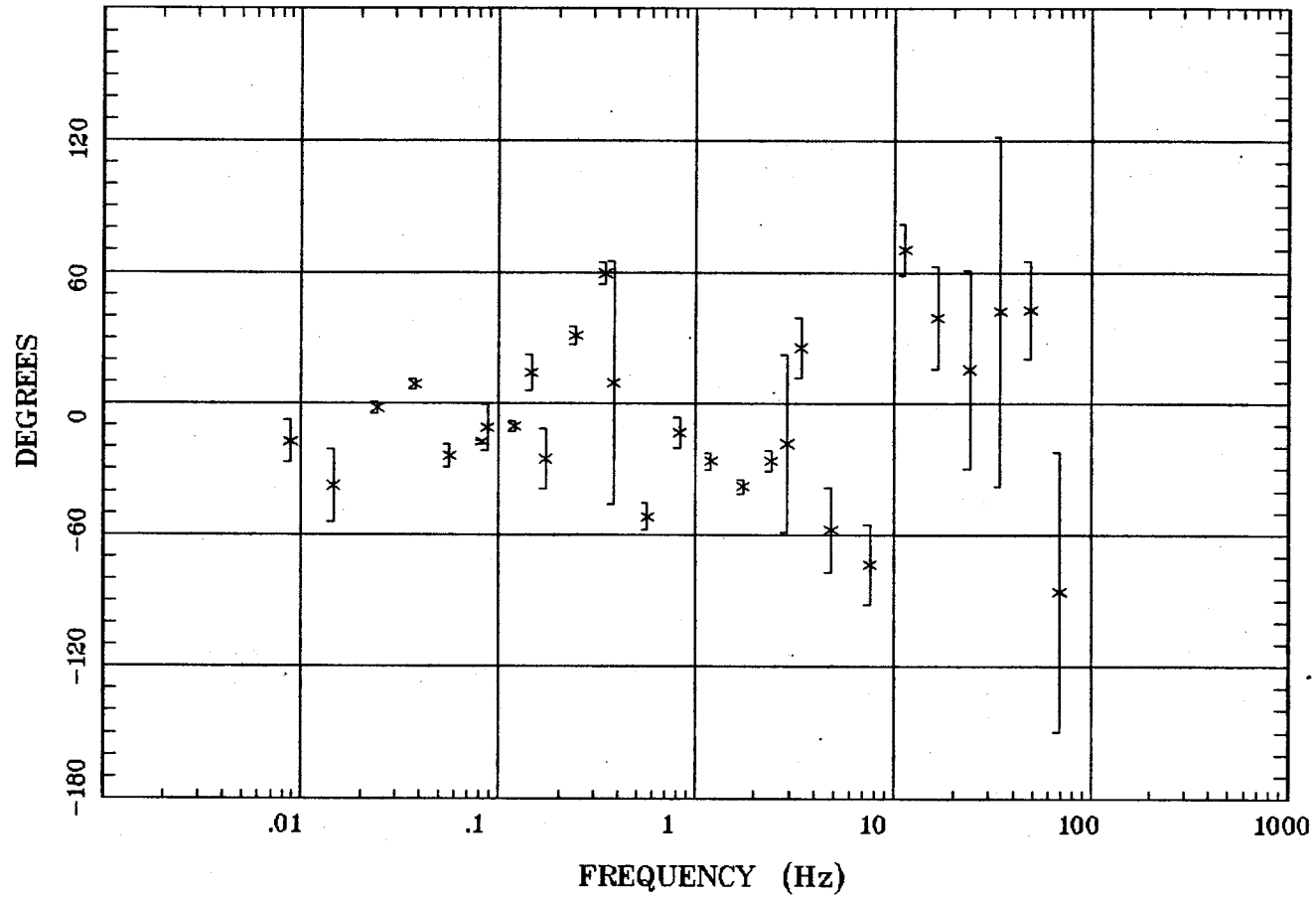


Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

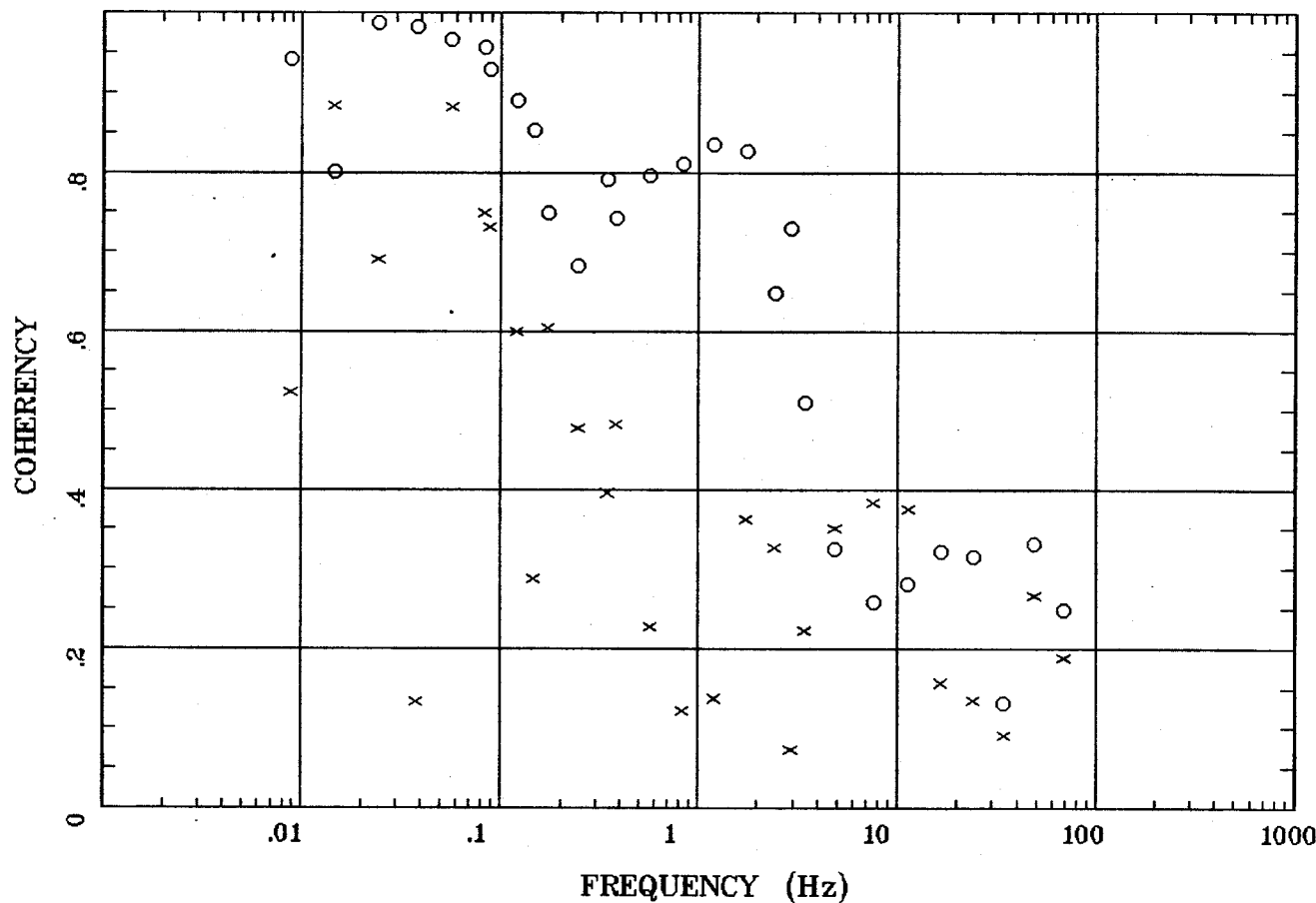
TIPPER STRIKE

Kern Mts., NV 100k Station 16



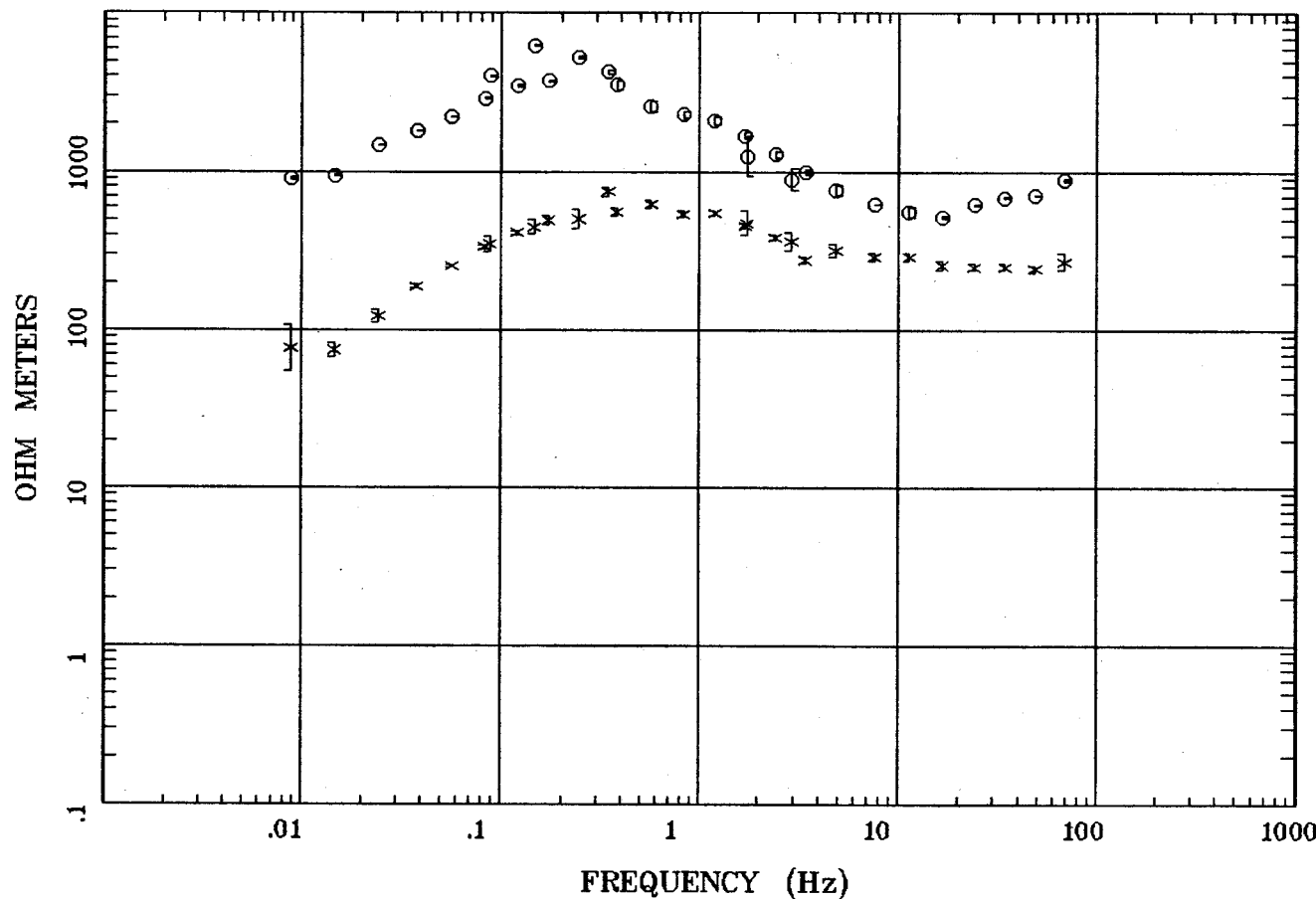
Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



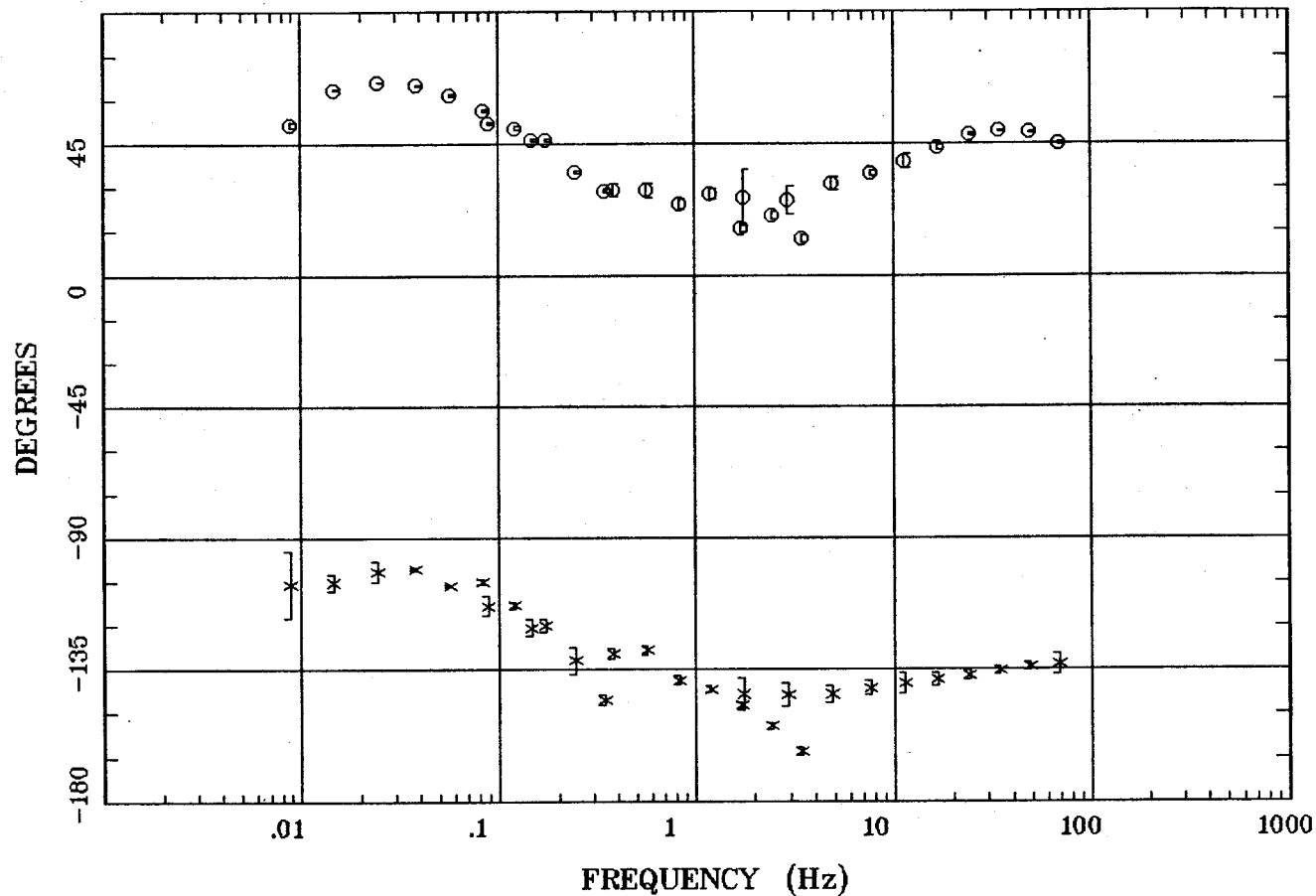
Client:
Remote: e-fld N 90m
Acquired: 10:4 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap16m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:16 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



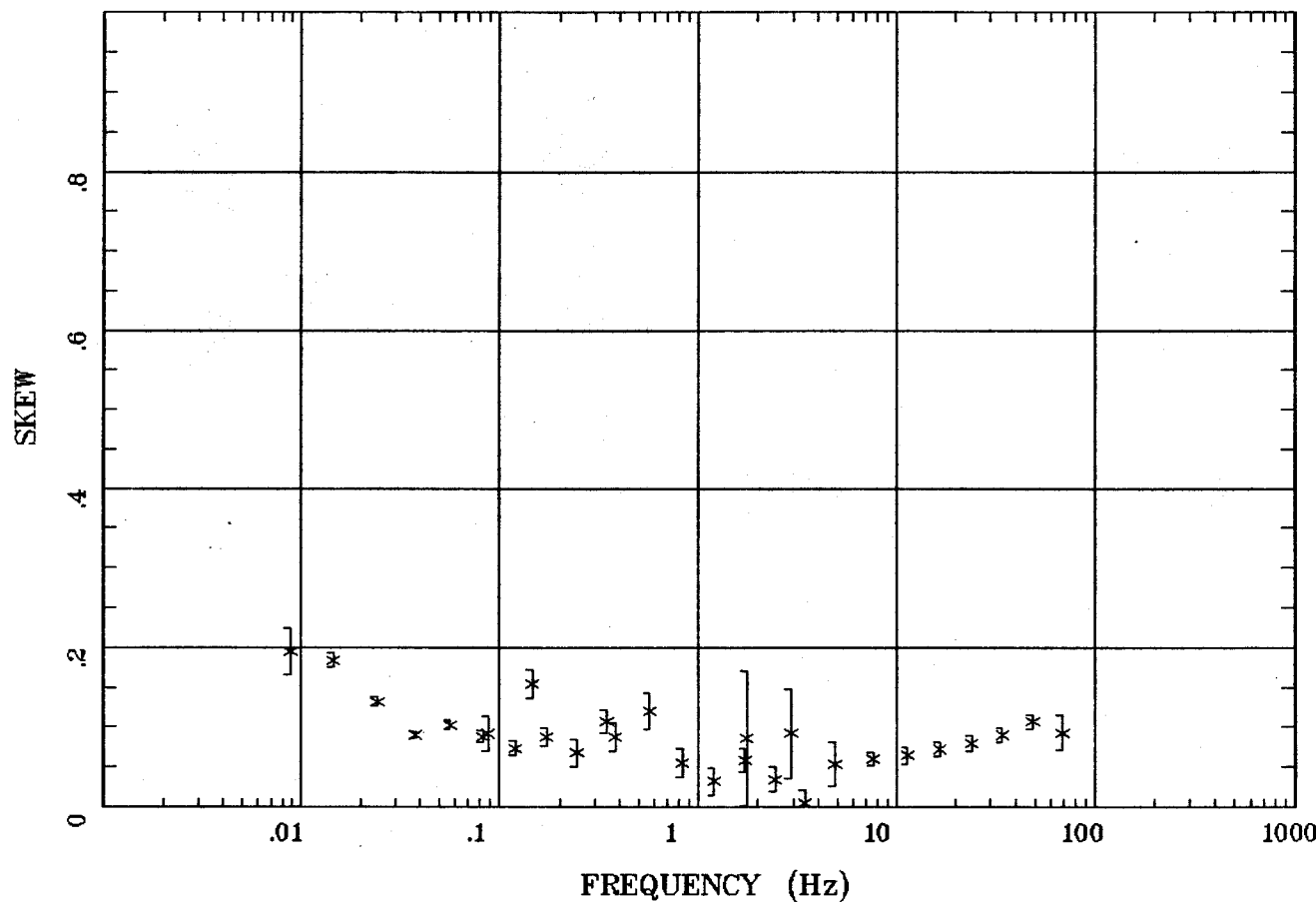
Client:
Remote: e-fld West 90m
Acquired: 14:1 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap17mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:19 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



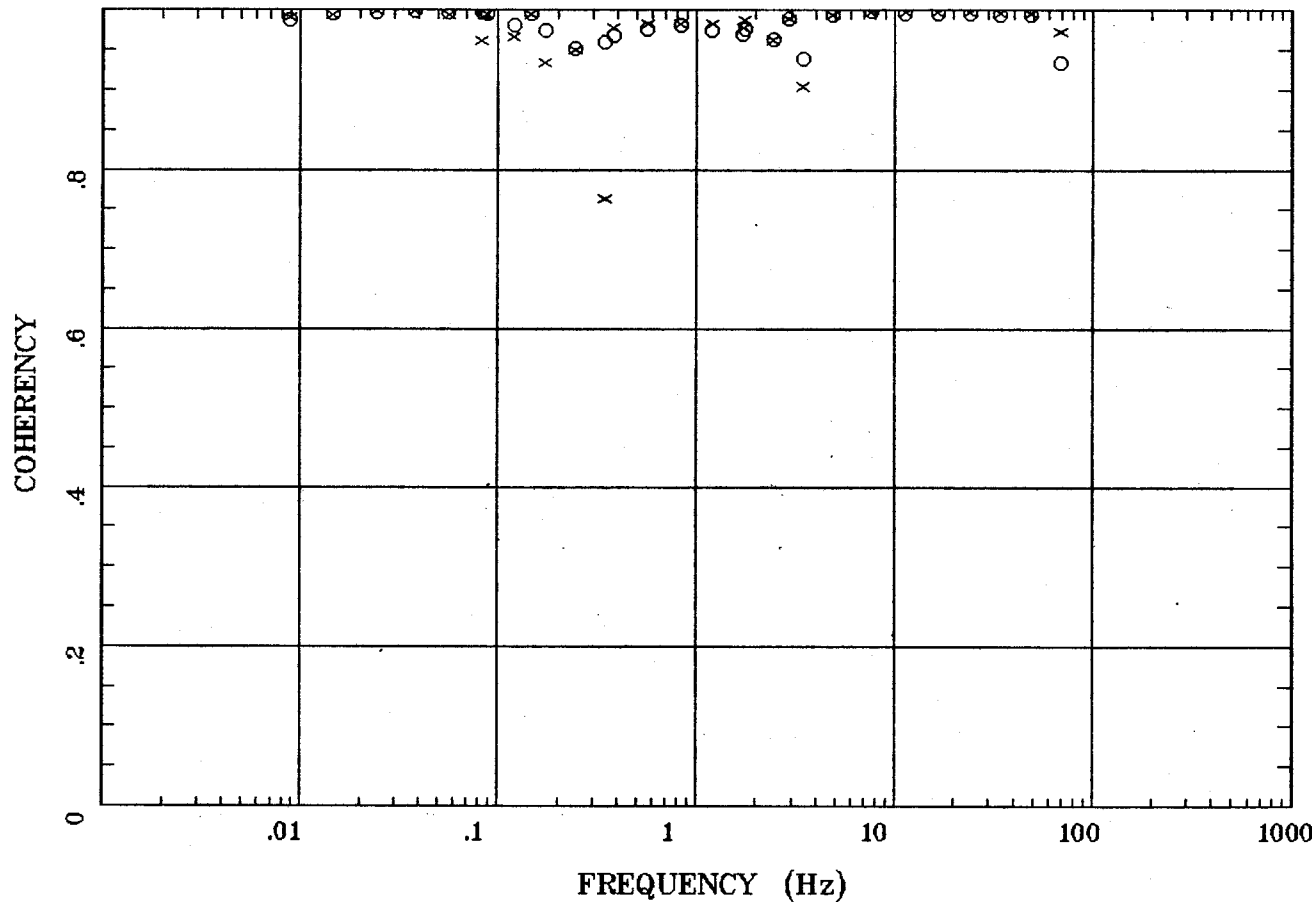
Client:
Remote: e-fld West 90m
Acquired: 14:1 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap17mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:19 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



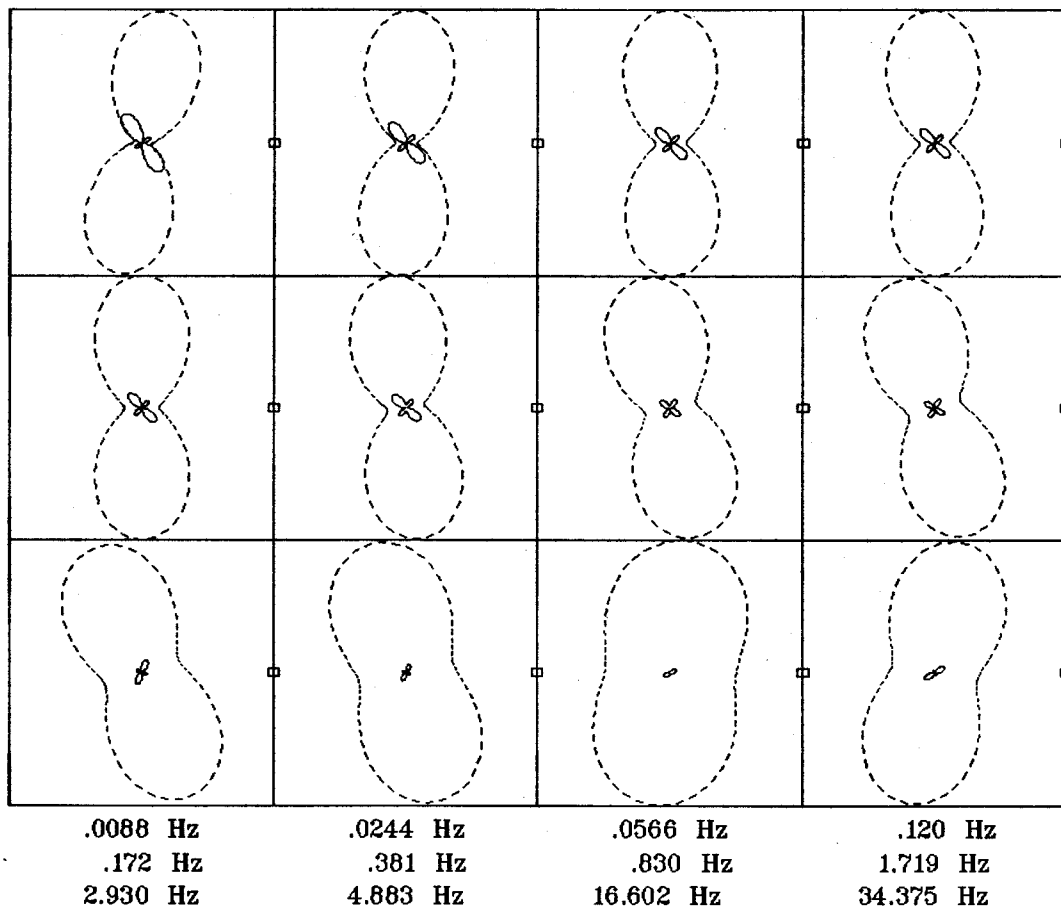
Client:
Remote: e-fld West 90m
Acquired: 14:1 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap17mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:19 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld West 90m
Acquired: 14:1 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap17mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:19 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld West 90m

Acquired: 14:1 Sep 11, 2003

Survey Co:USGS

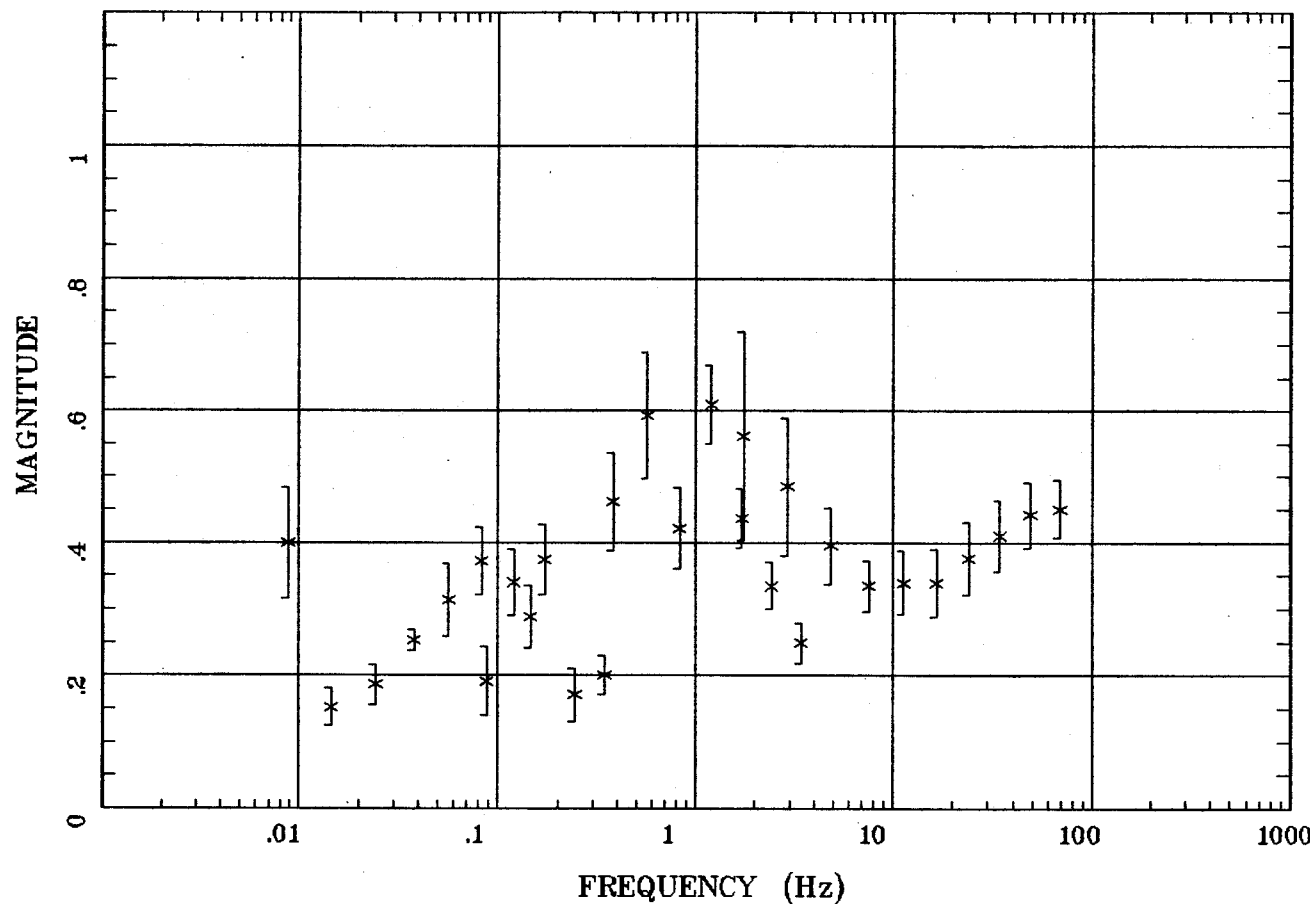
Rotation:

Filename: ap17mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 11:19 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



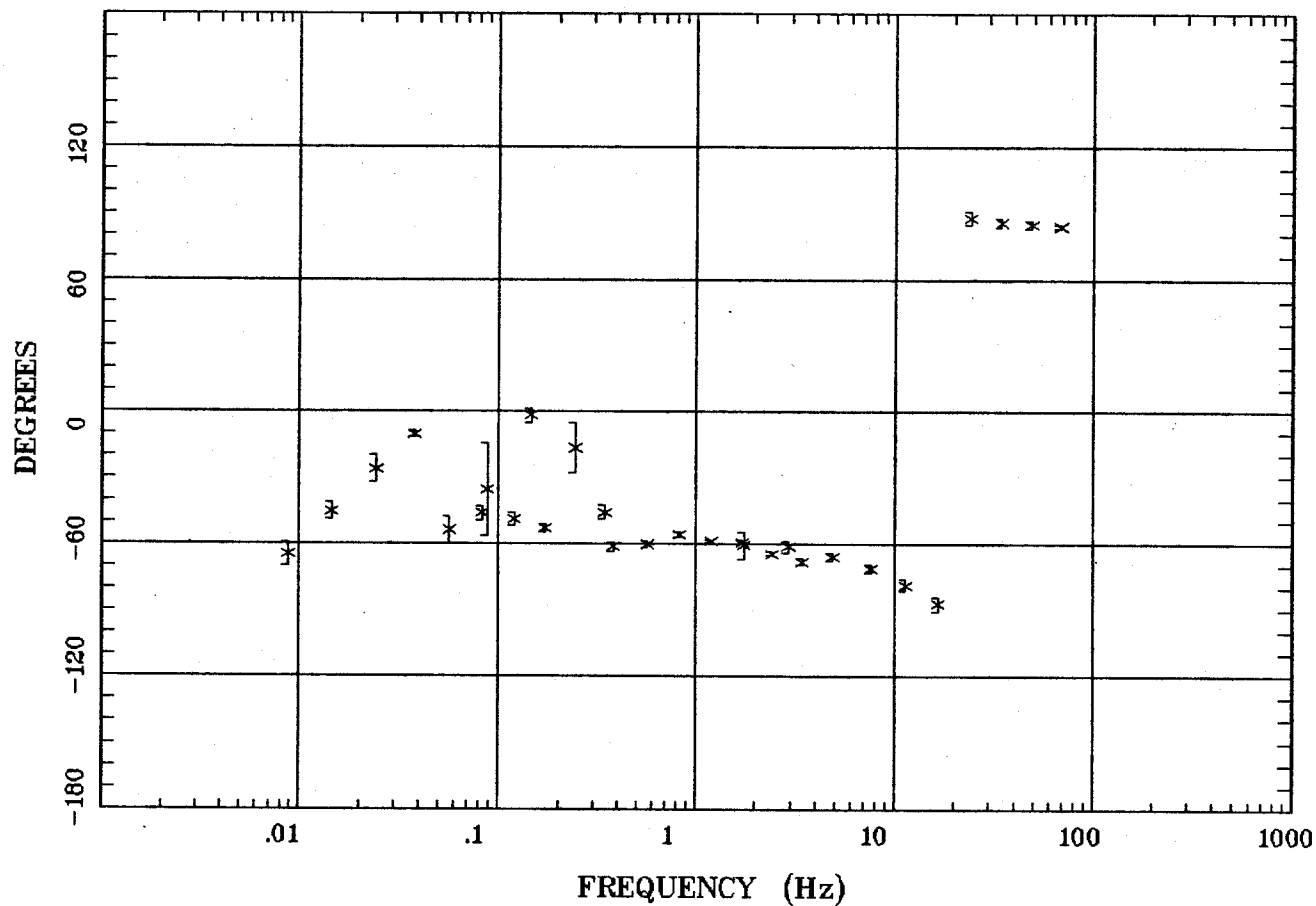
Client:
Remote: e-fld West 90m
Acquired: 14:1 Sep 11, 2003
Survey Co:USGS

Rotation:
Filename: ap17mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:19 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

TIPPER STRIKE

Kern Mts., NV 100k

Station 17



Client:

Remote: e-fld West 90m

Acquired: 14:1 Sep 11, 2003

Survey Co:USGS

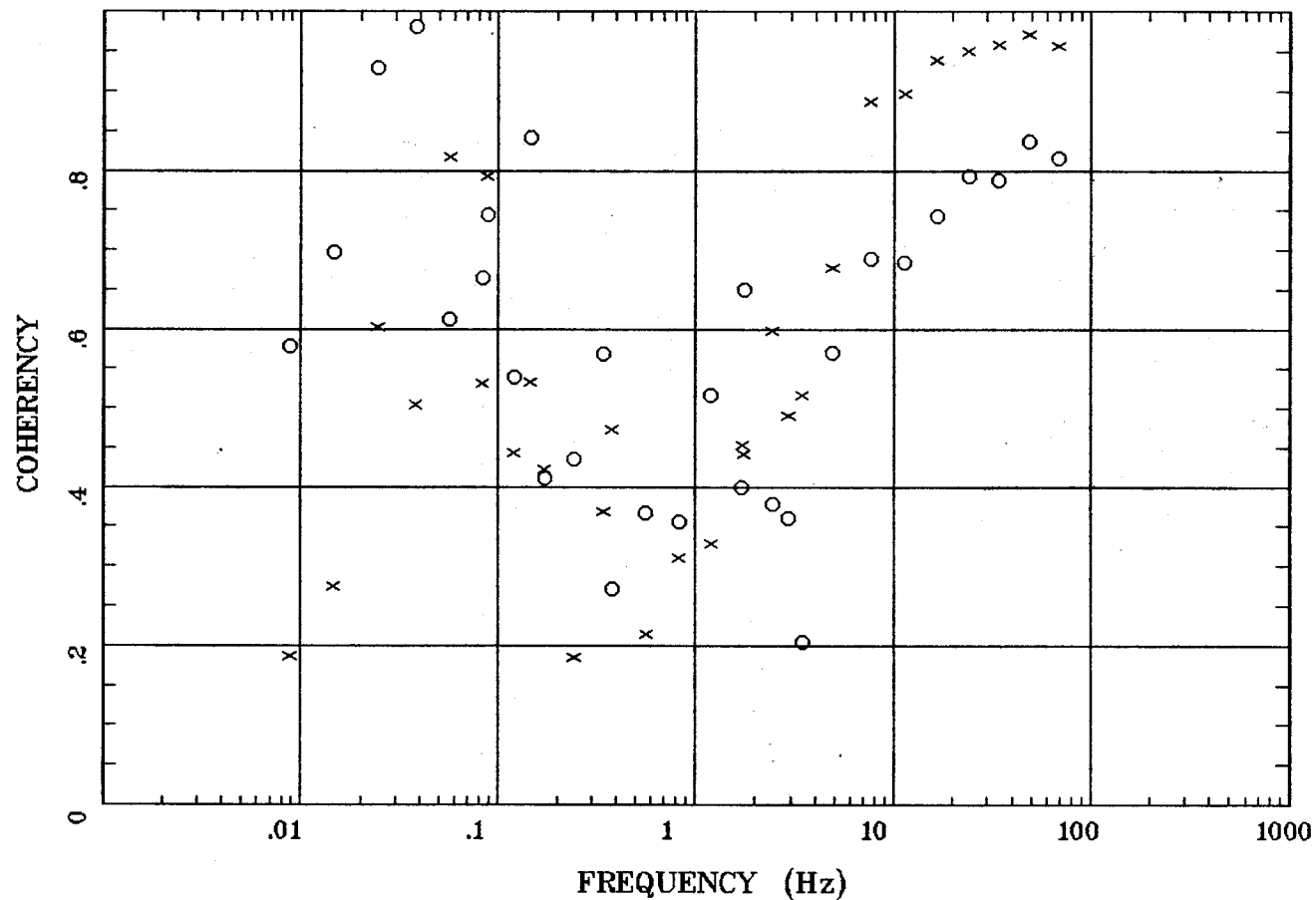
Rotation:

Filename: ap17mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 11:19 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld West 90m

Acquired: 14:1 Sep 11, 2003

Survey Co:USGS

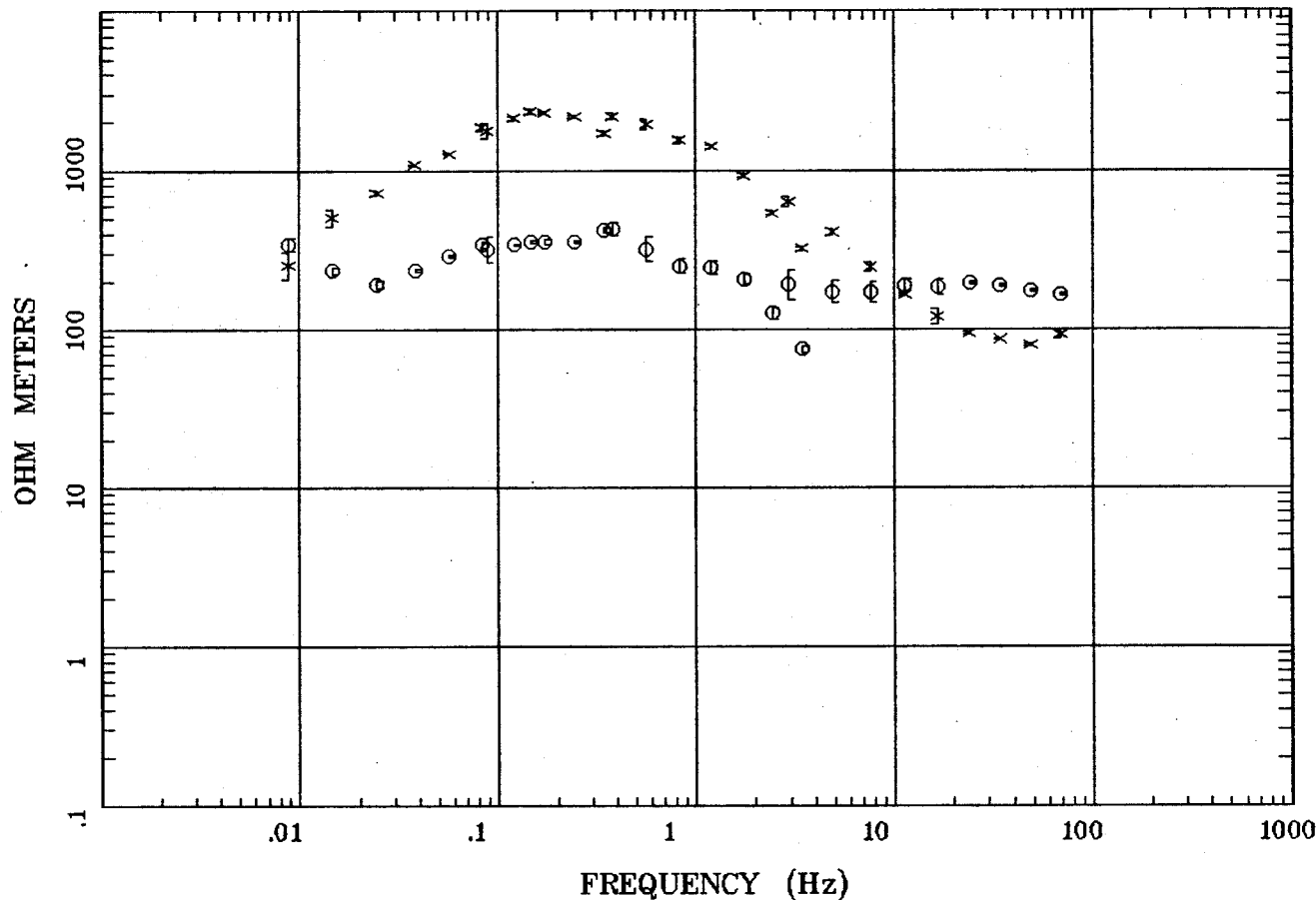
Rotation:

Filename: ap17mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

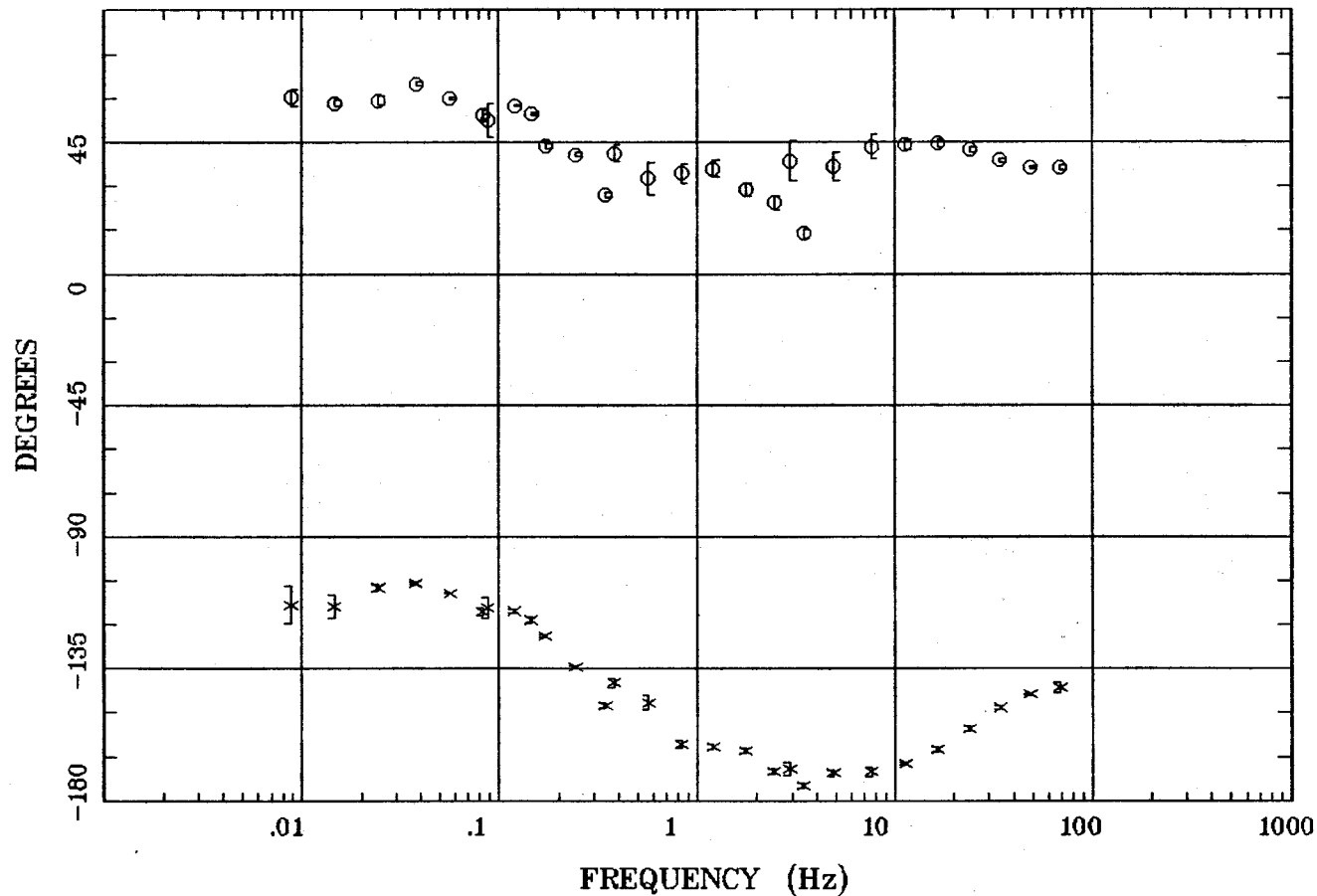
Plotted: 11:19 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



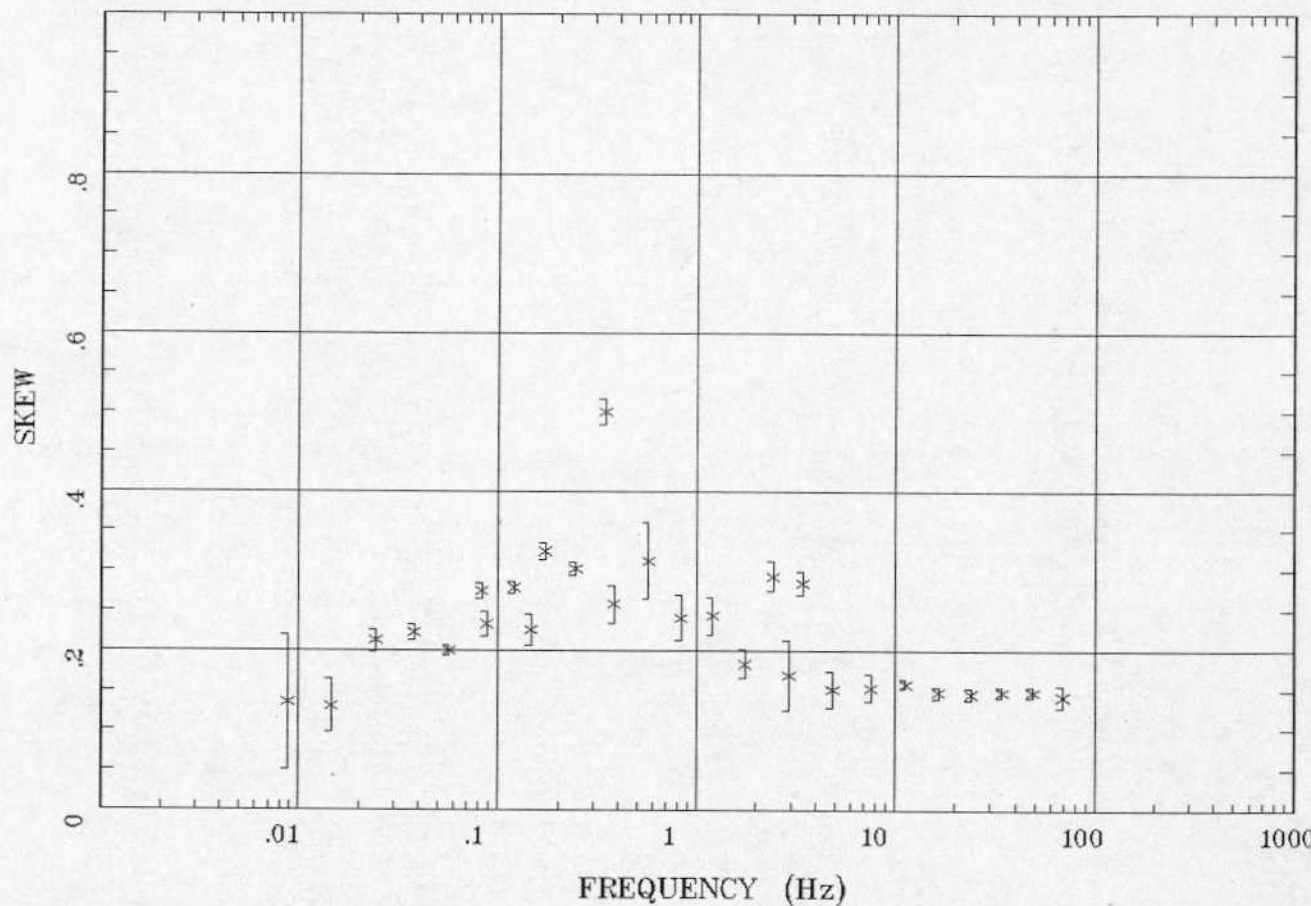
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



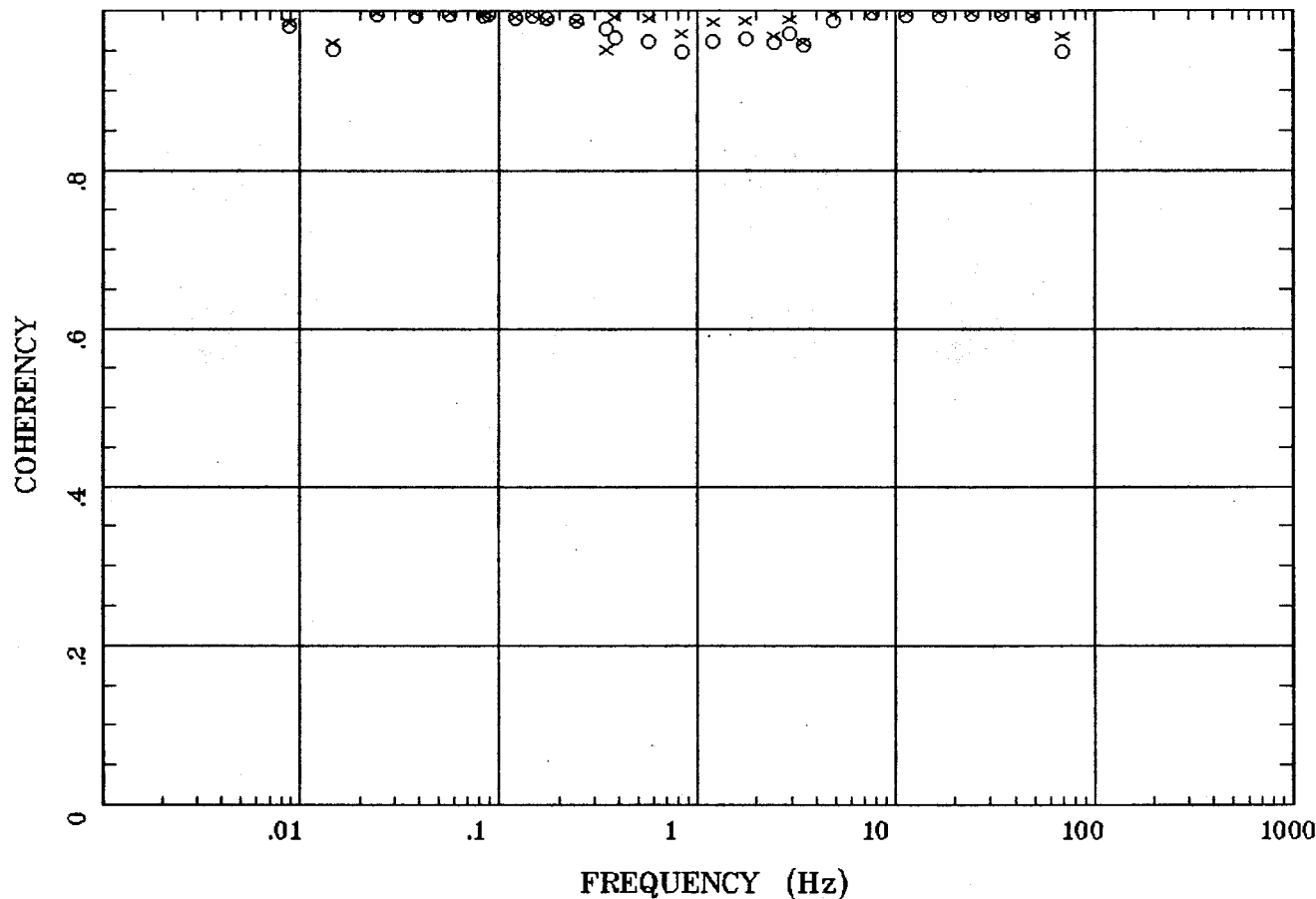
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



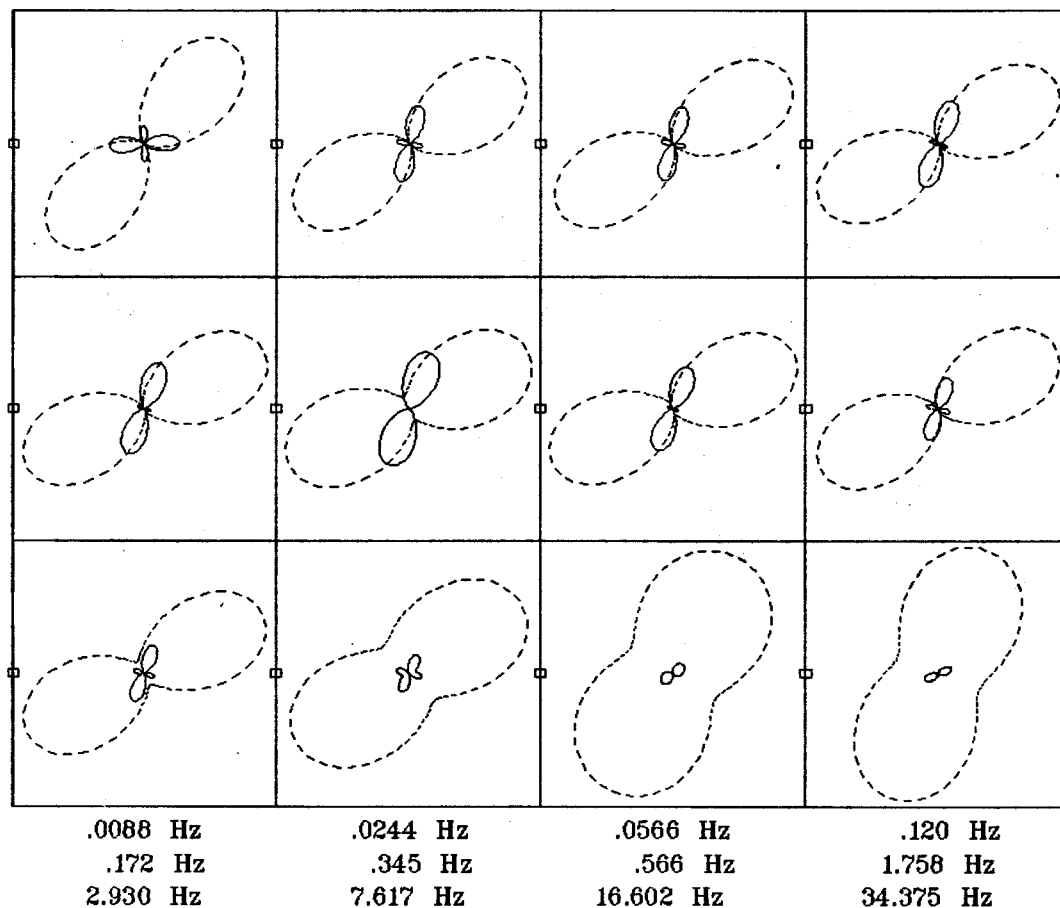
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld North 90m

Acquired: 10:4 Sep 16, 2003

Survey Co:USGS

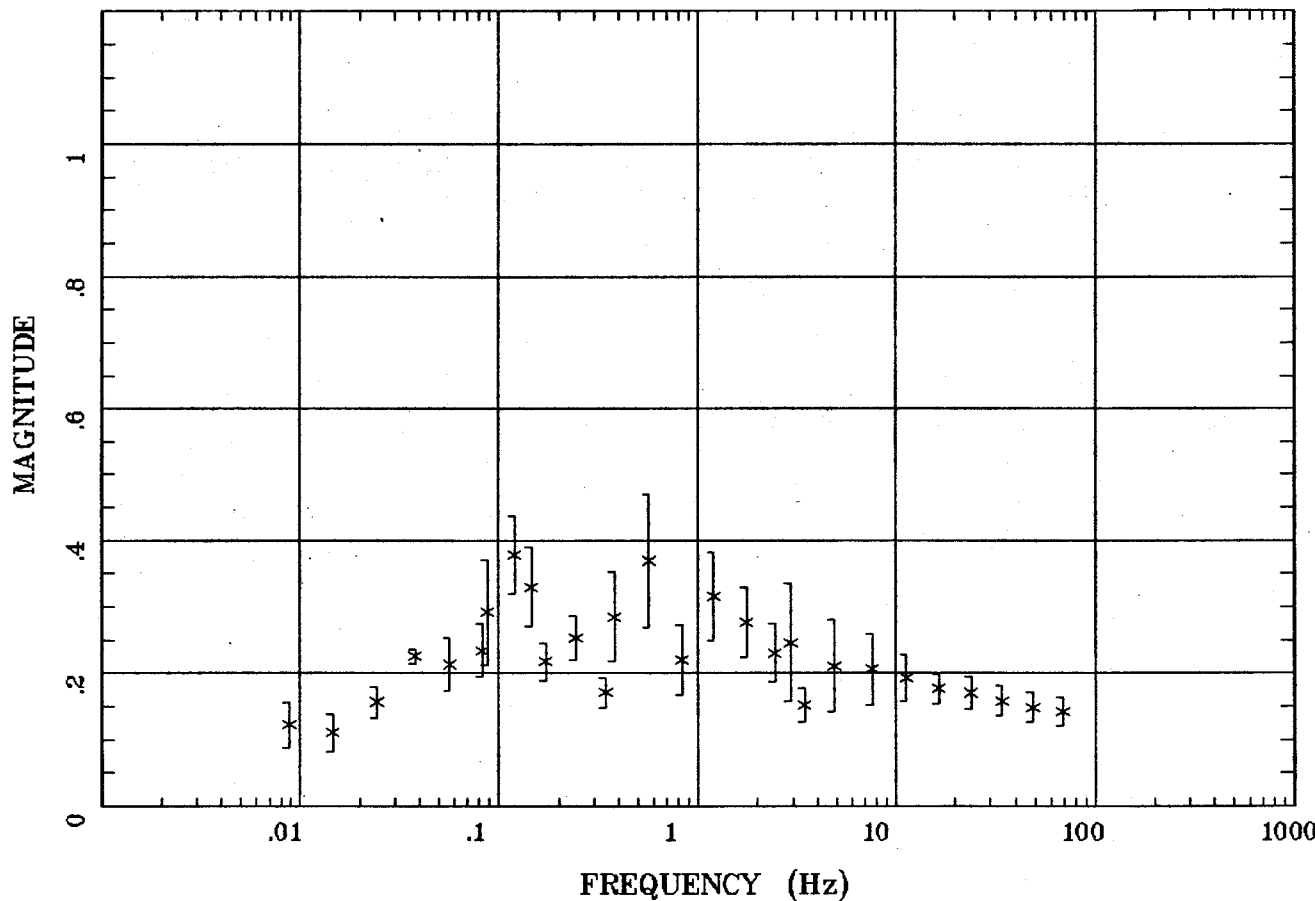
Rotation:

Filename: ap18m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

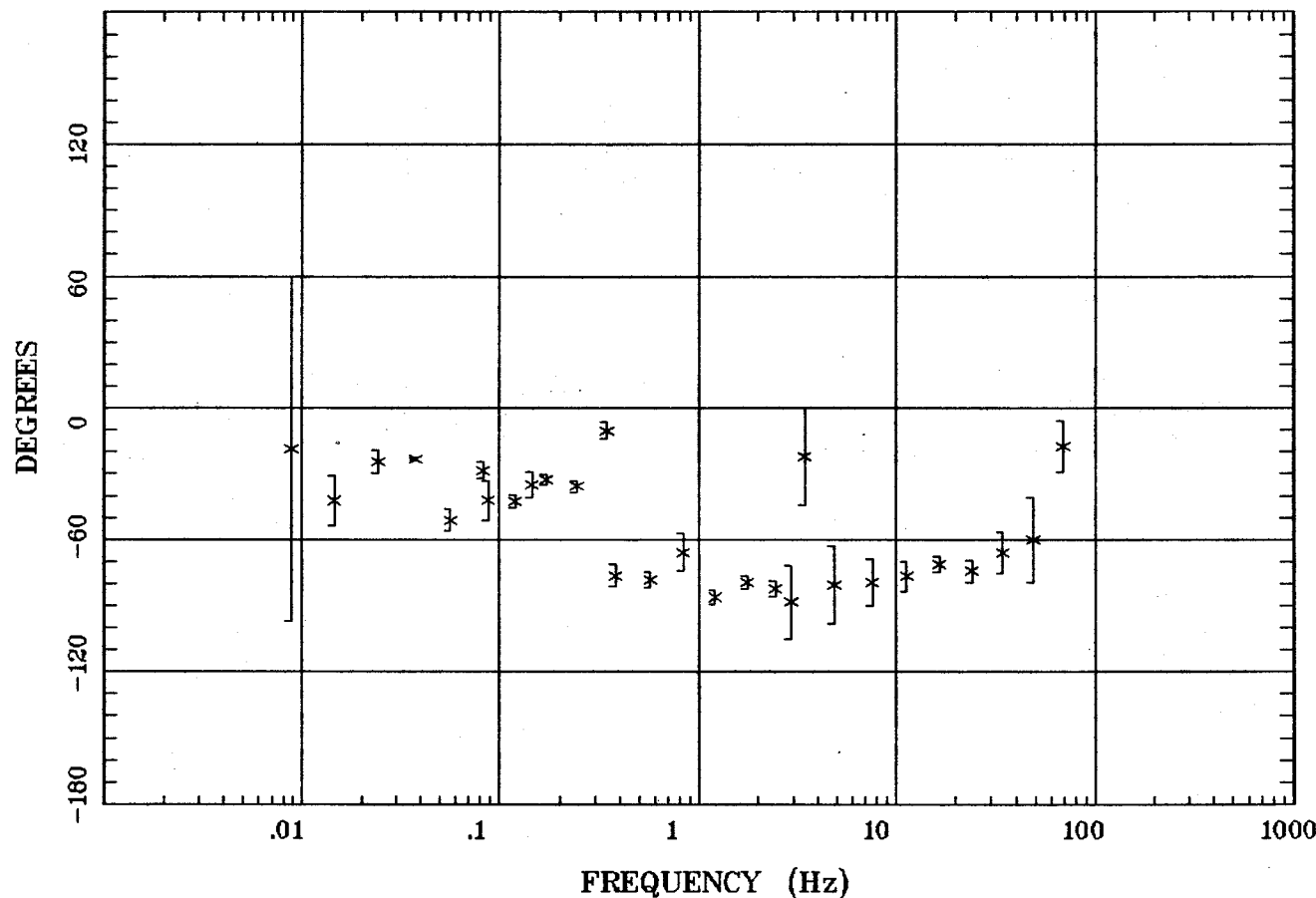
Plotted: 11:20 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



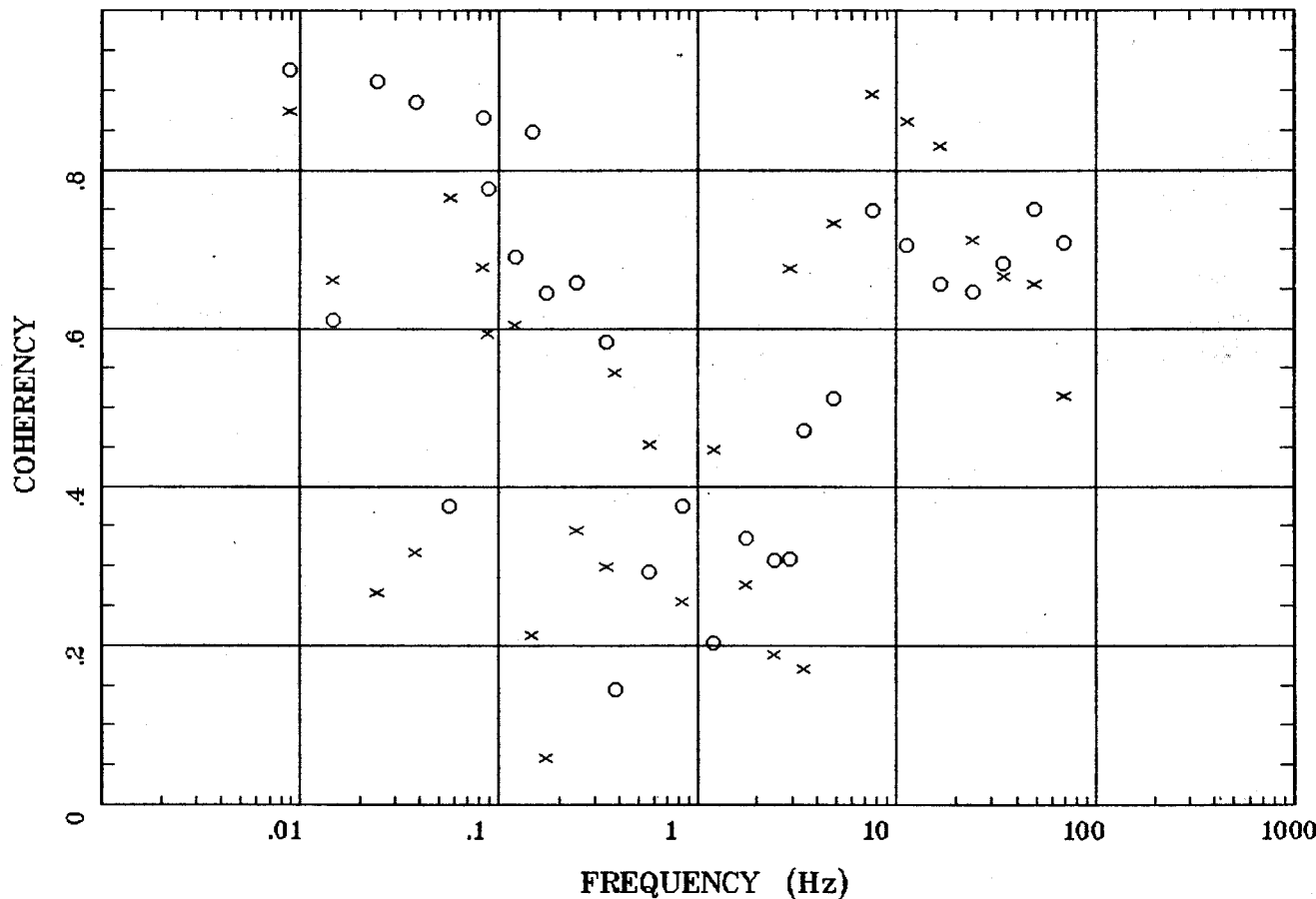
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



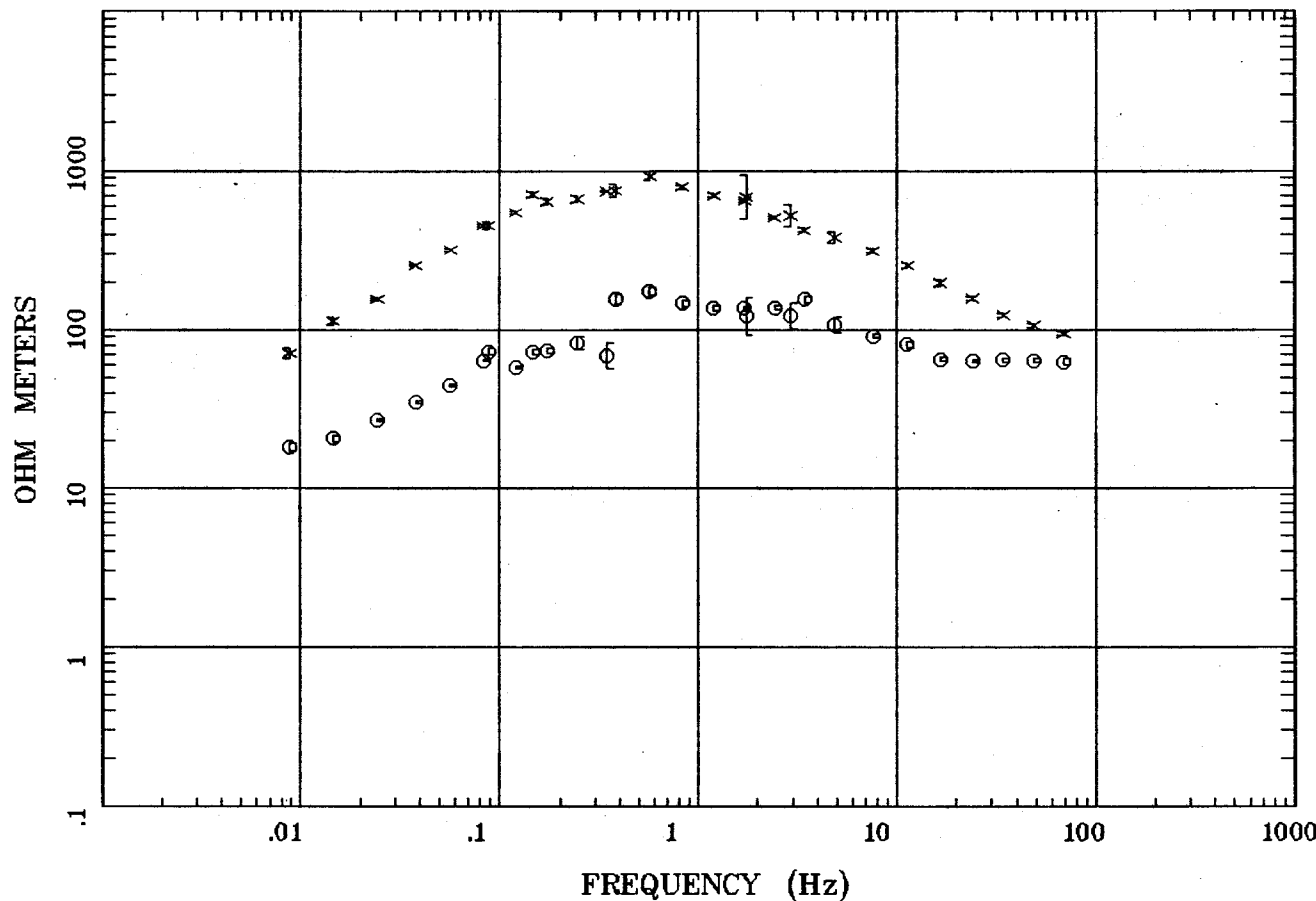
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



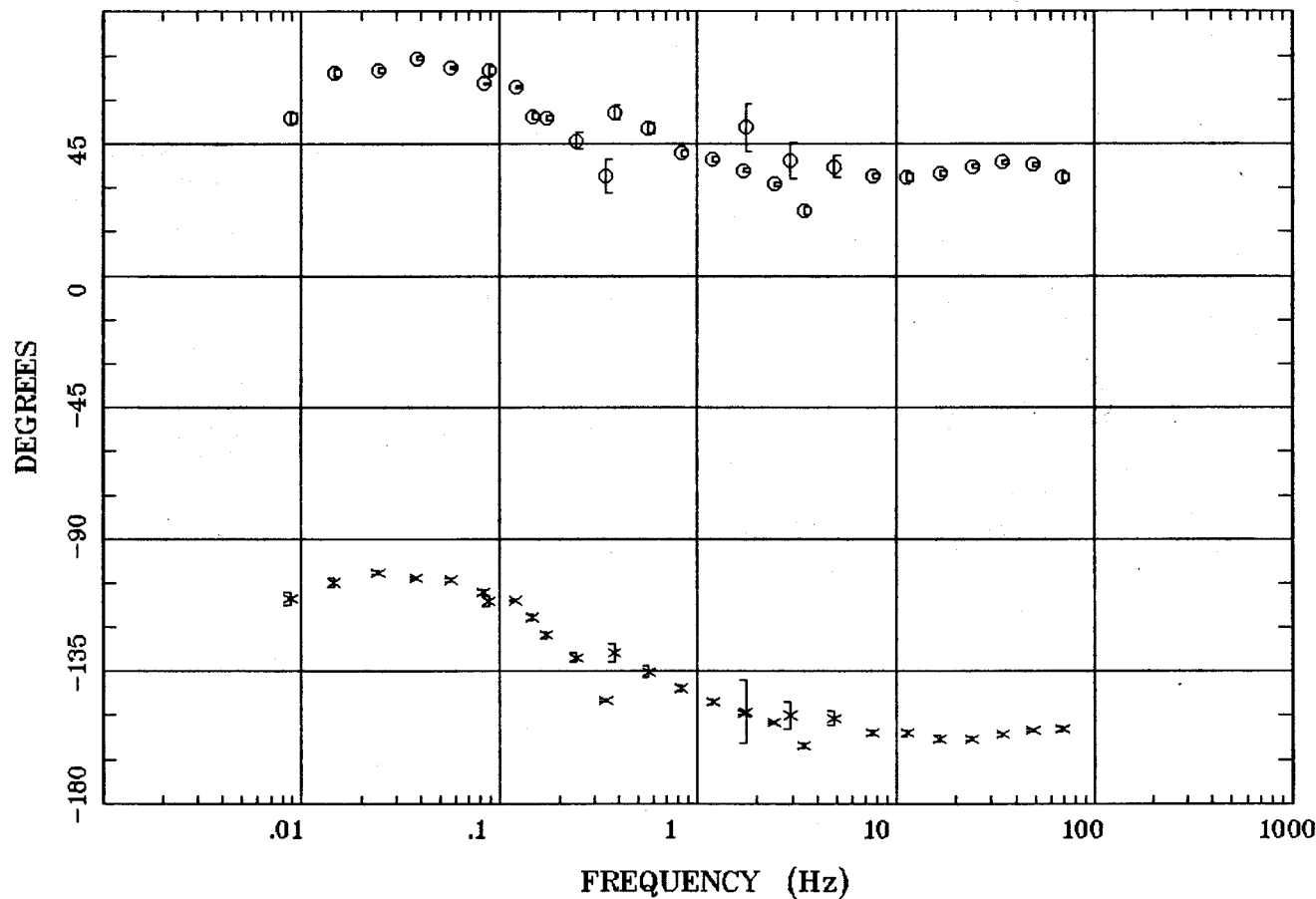
Client:
Remote: e-fld North 90m
Acquired: 10:4 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap18m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



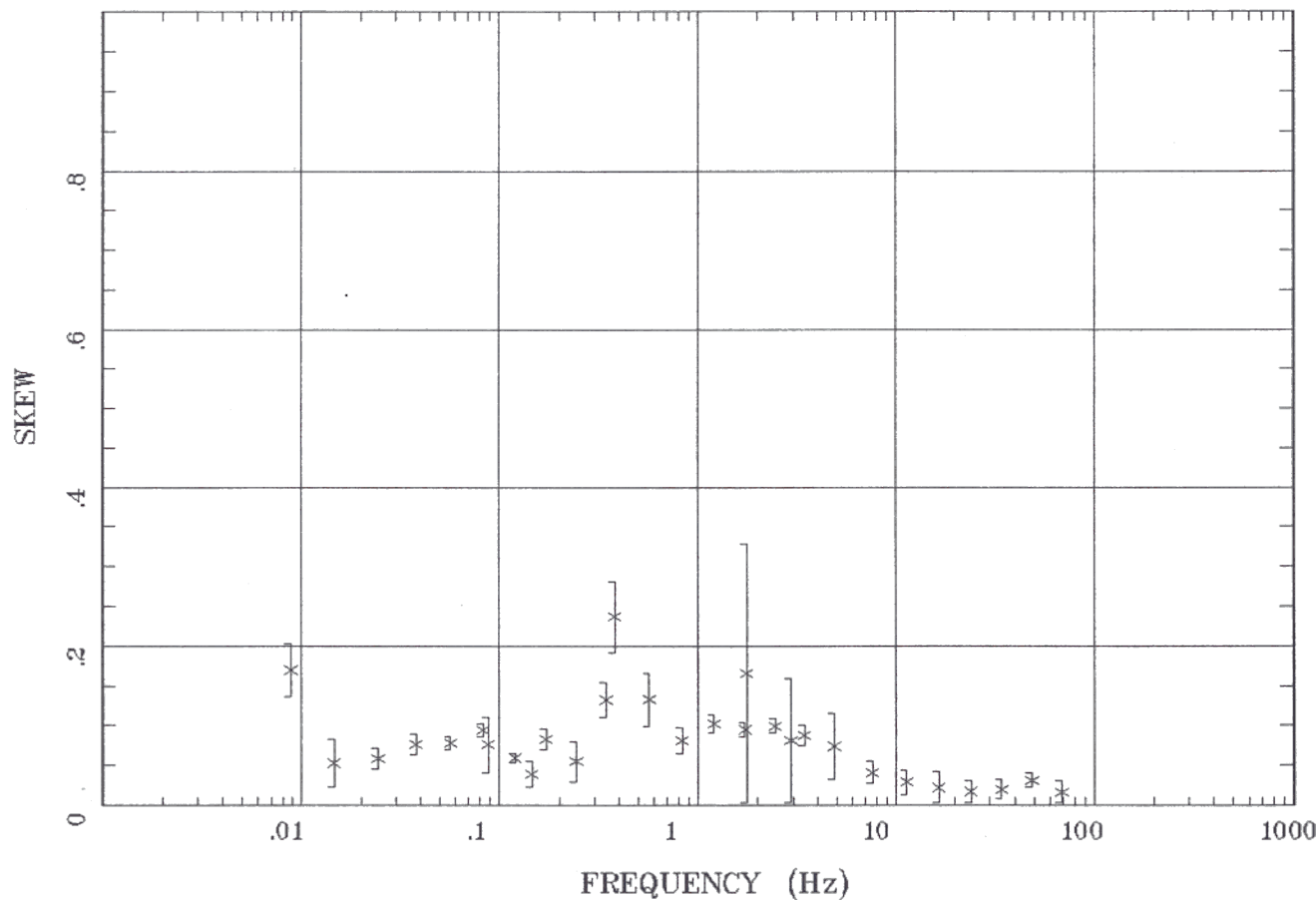
Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



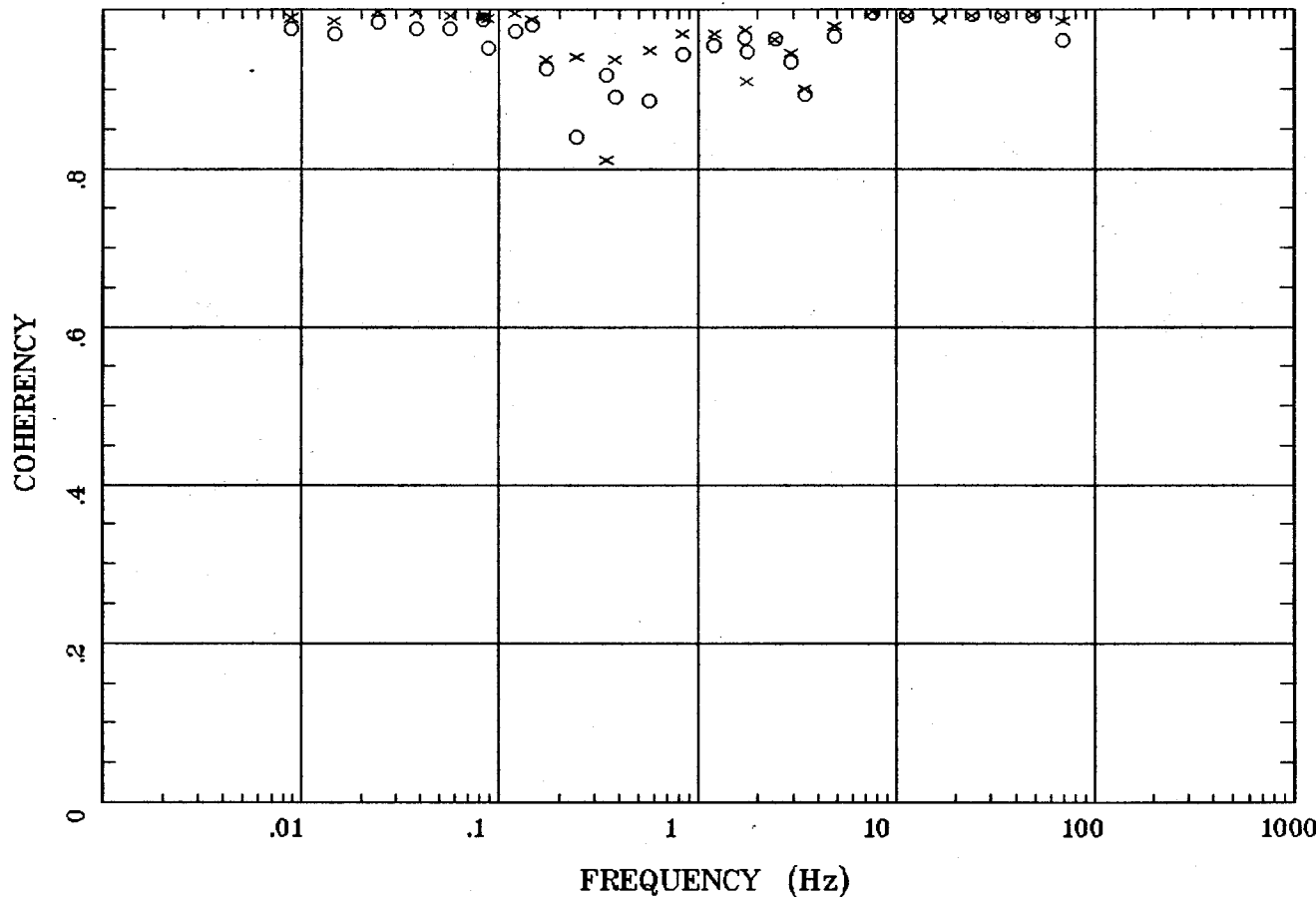
Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



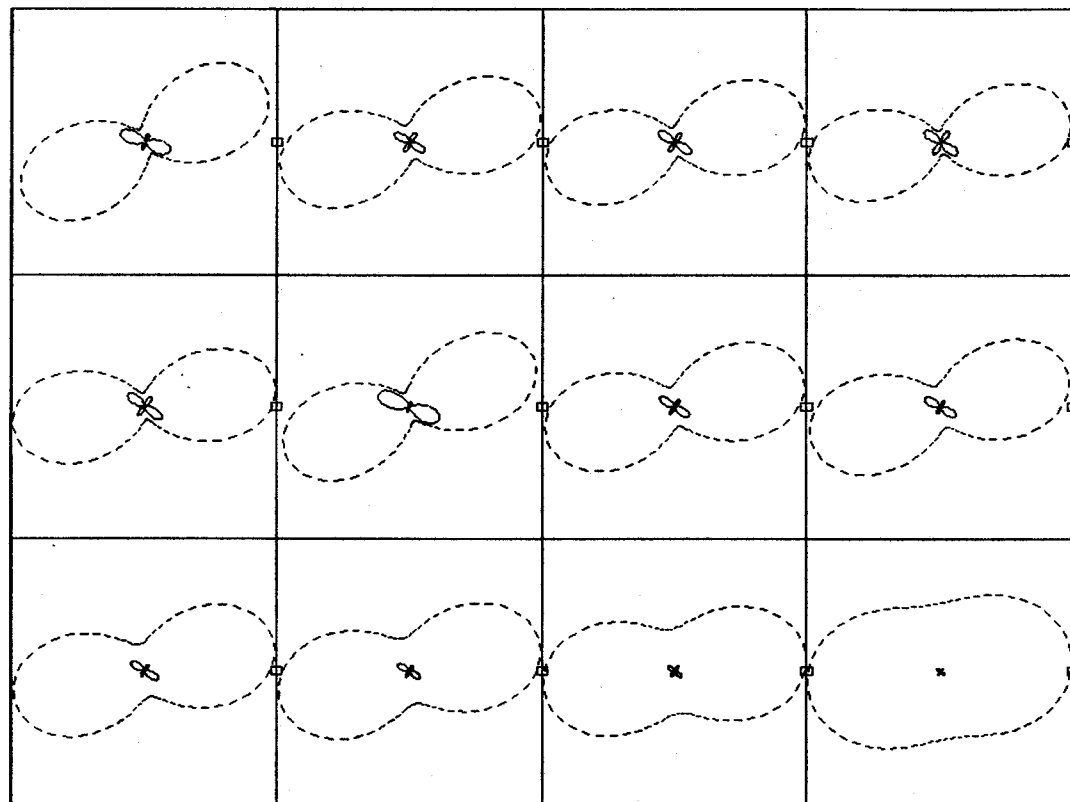
Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:20 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



.0088 Hz

.0244 Hz

.0566 Hz

.120 Hz

.172 Hz

.381 Hz

.830 Hz

1.719 Hz

2.930 Hz

4.883 Hz

16.602 Hz

34.375 Hz

Client:

Remote: e-fld South 90m

Acquired: 14:2 Sep 16, 2003

Survey Co:USGS

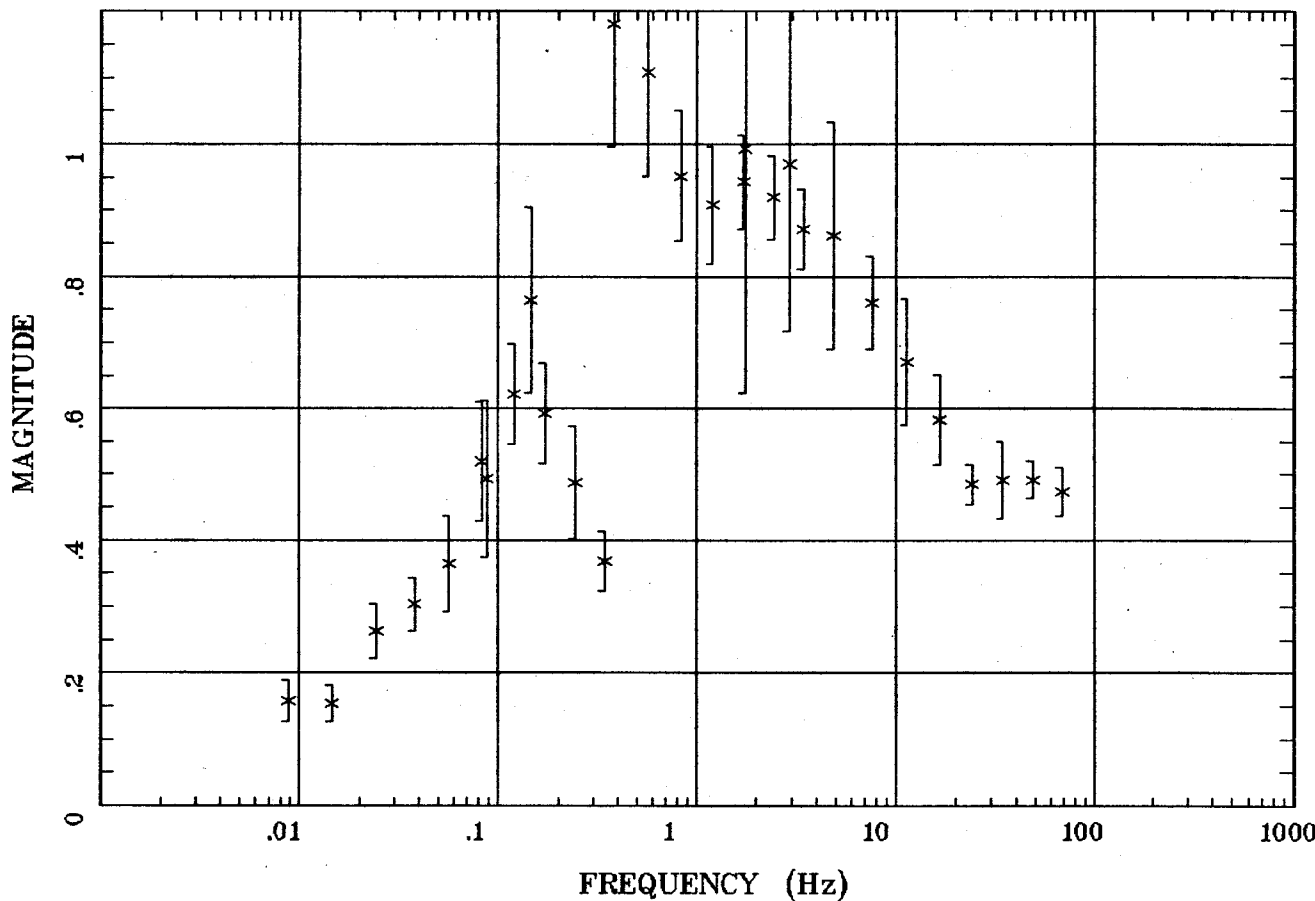
Rotation:

Filename: ap19mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

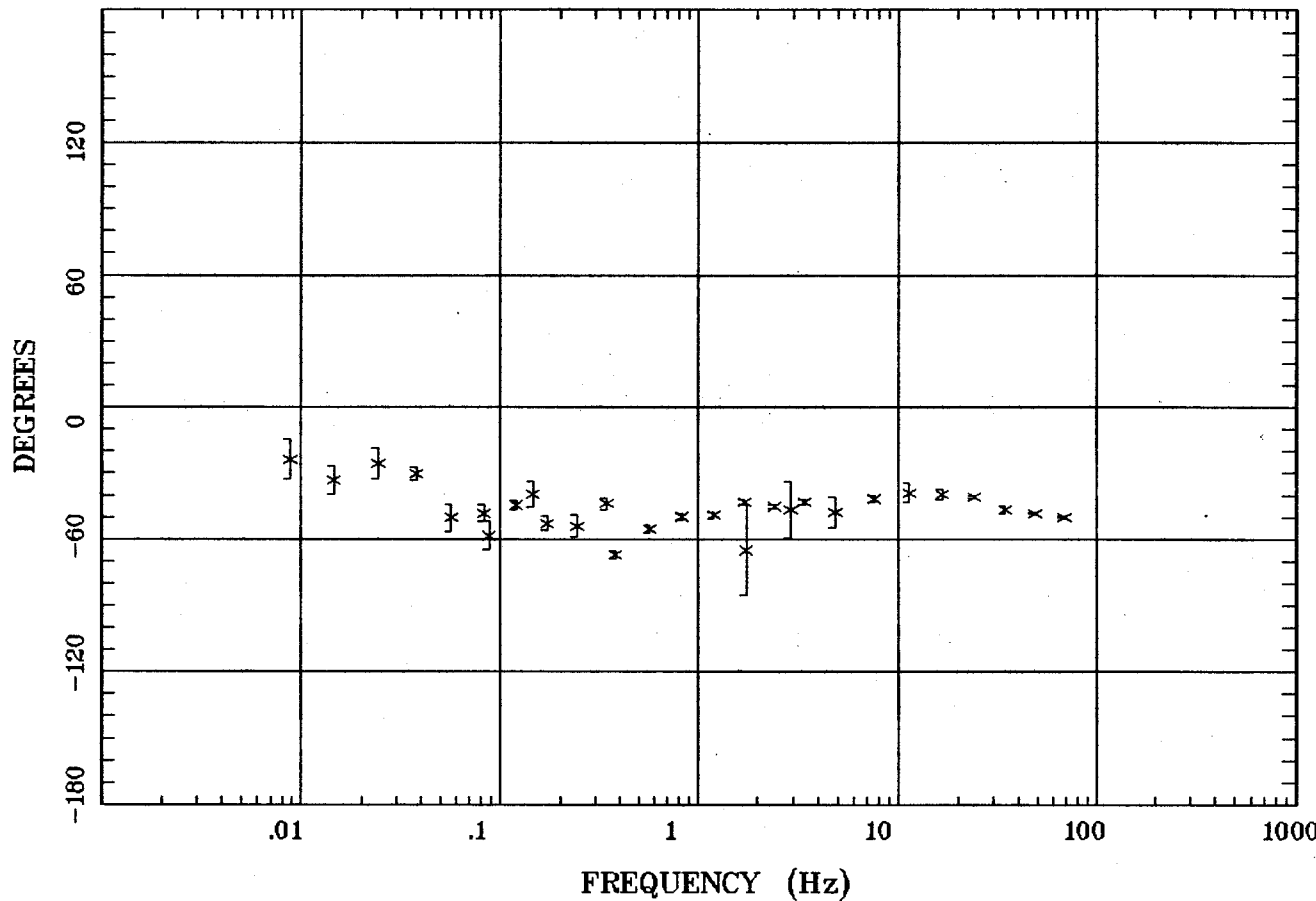
Plotted: 11:21 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



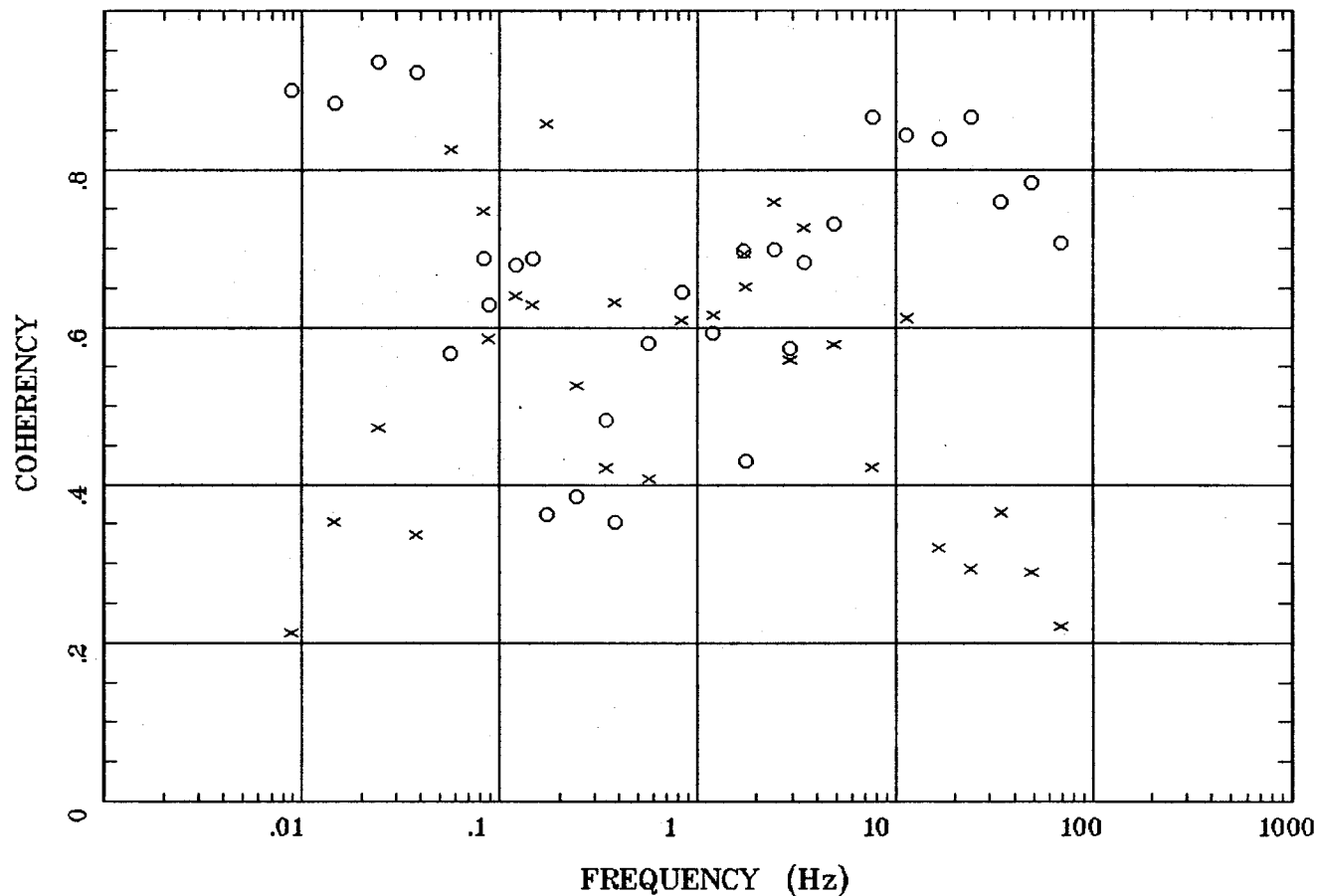
Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



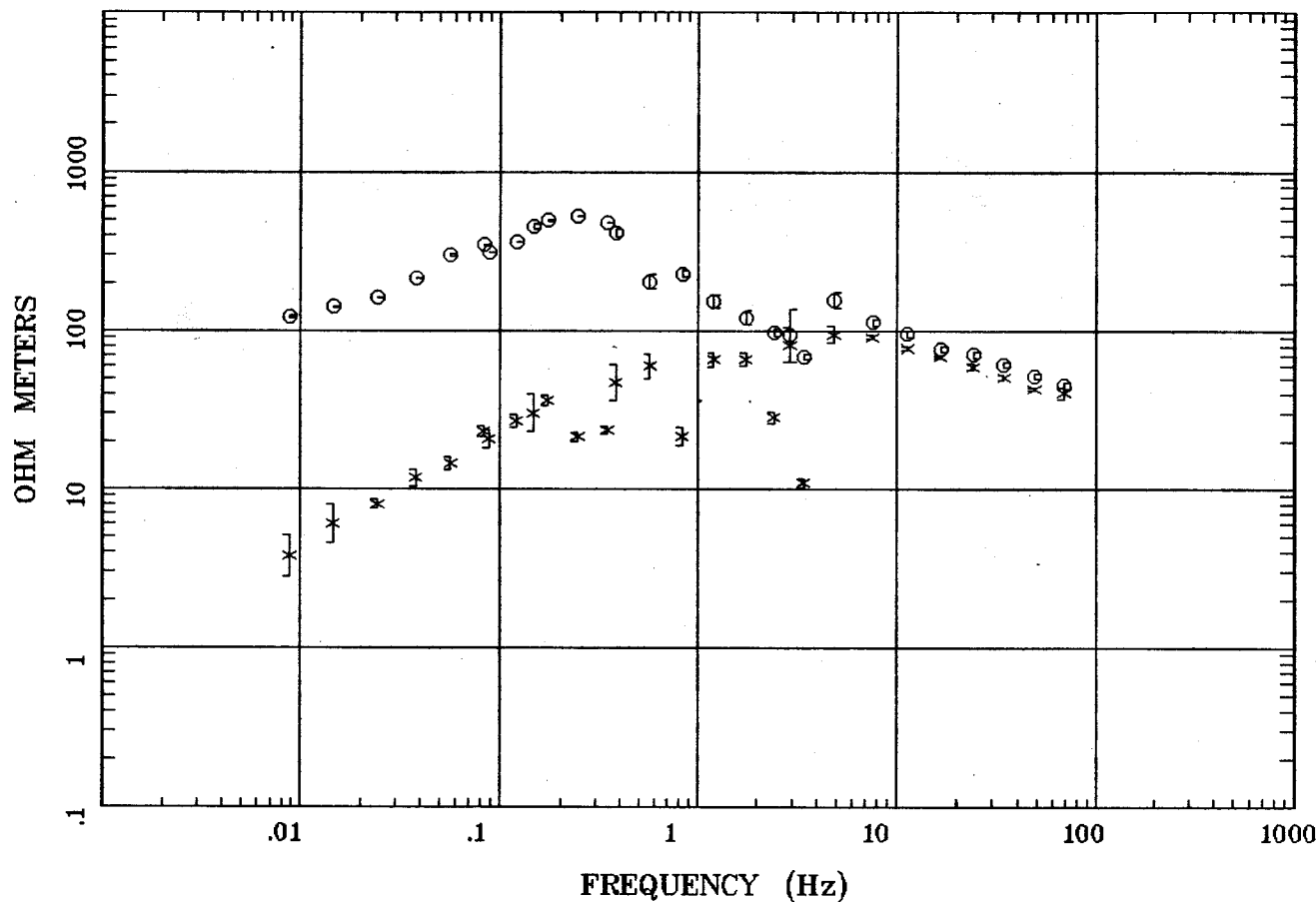
Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld South 90m
Acquired: 14:2 Sep 16, 2003
Survey Co:USGS

Rotation:
Filename: ap19mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



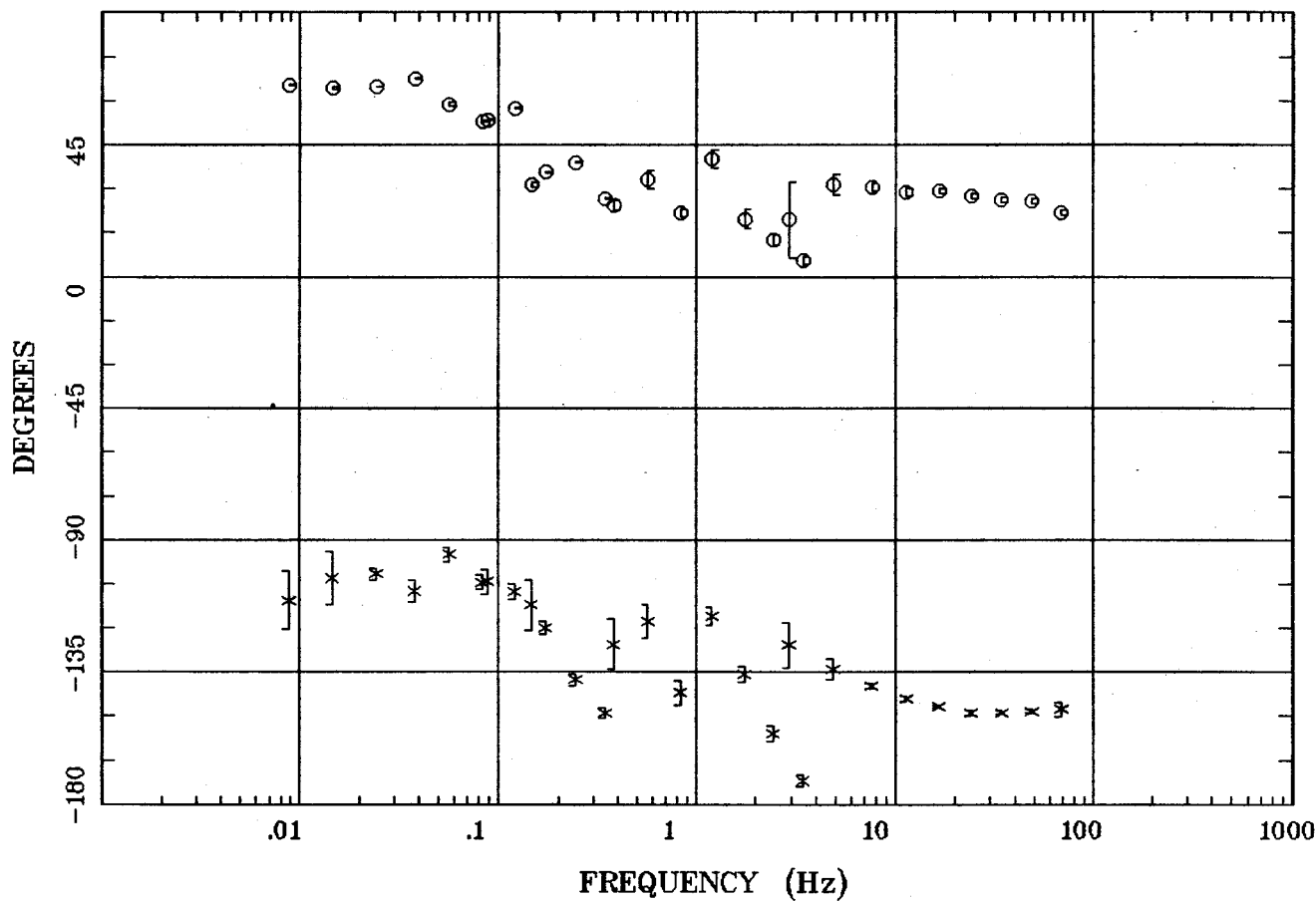
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >

IMPEDANCE PHASE

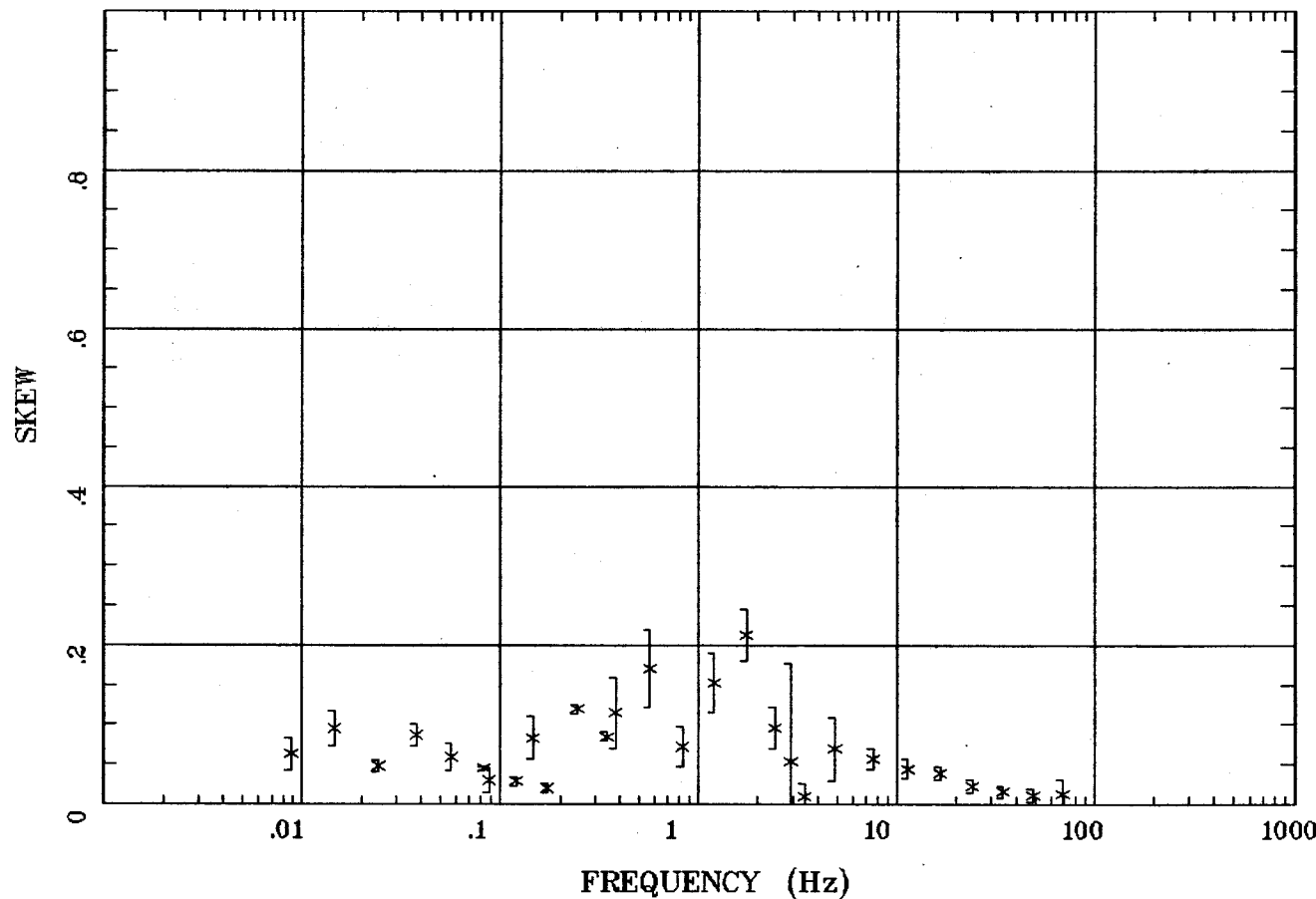
Ely, NV 100k

Station 20



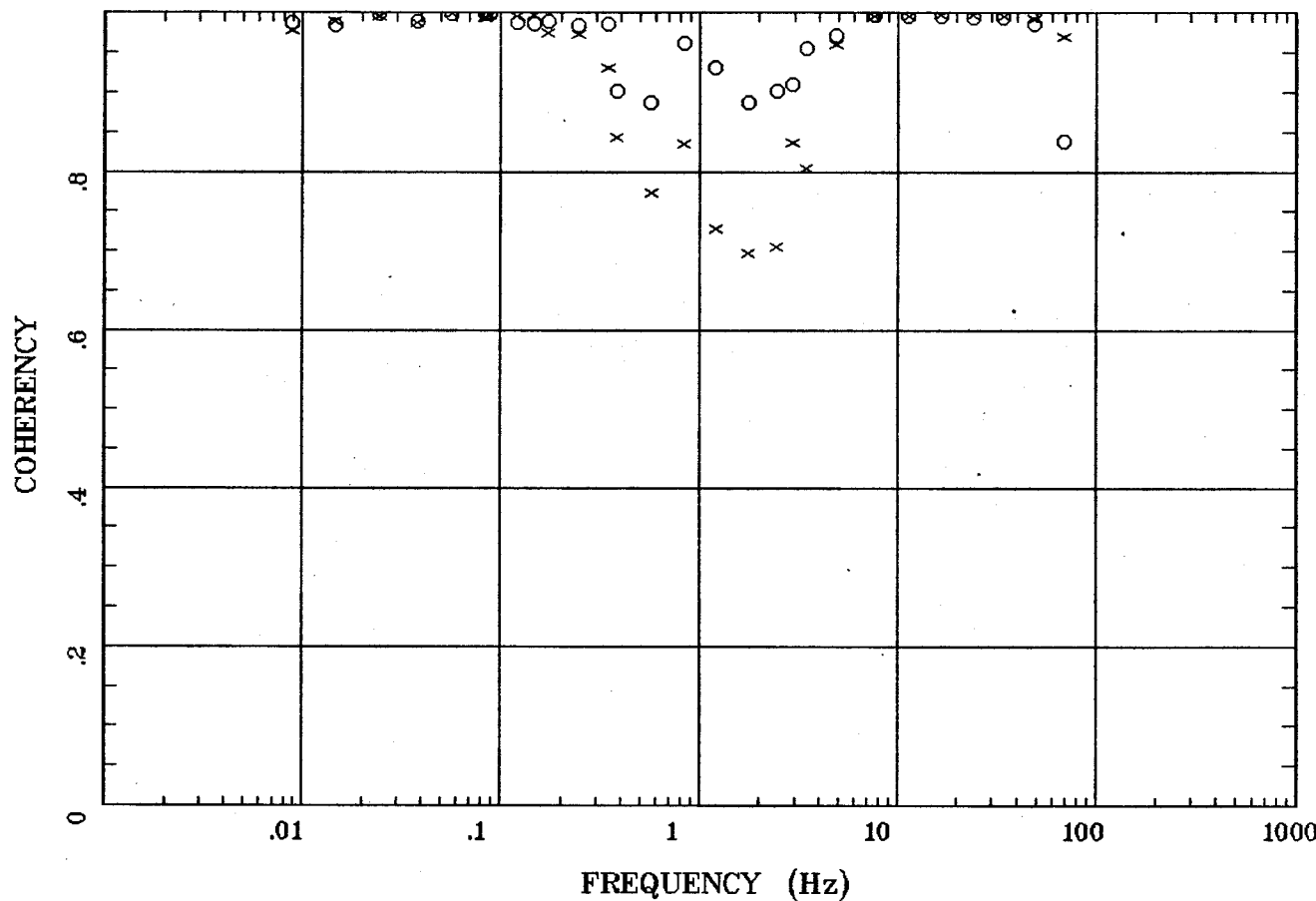
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



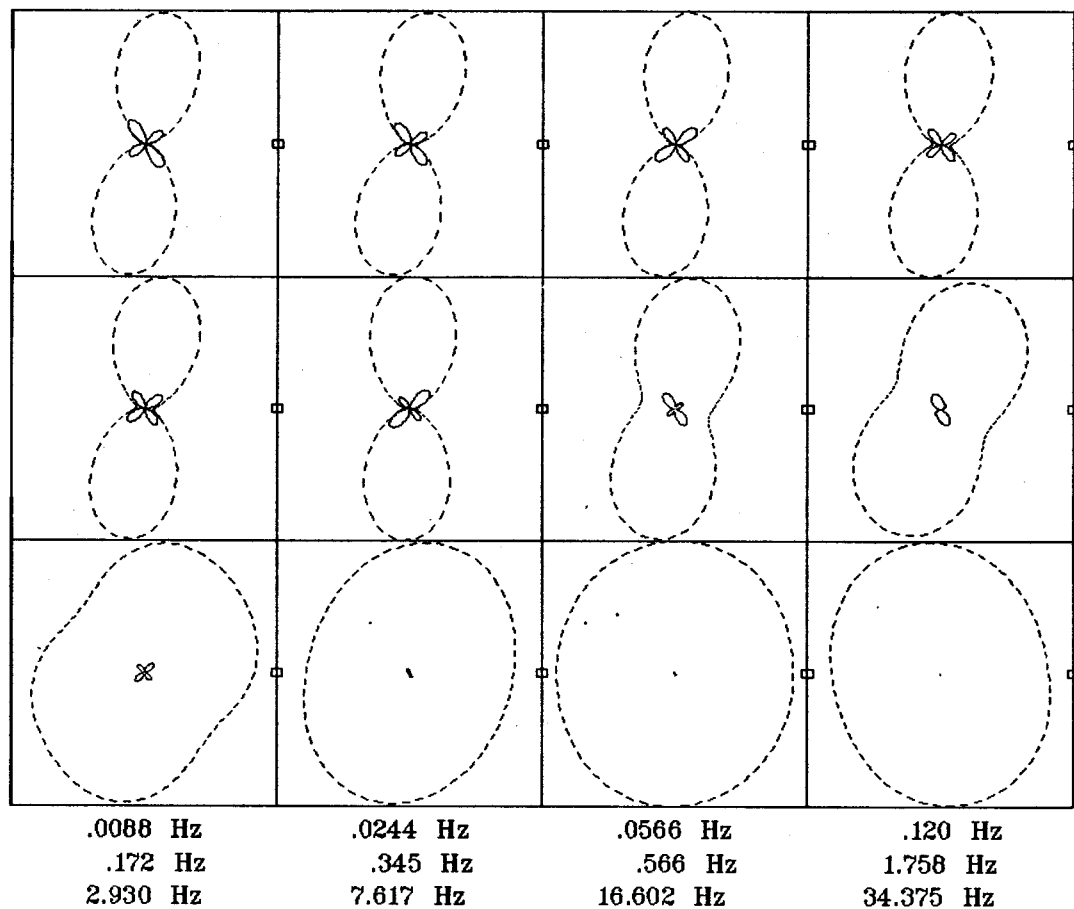
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



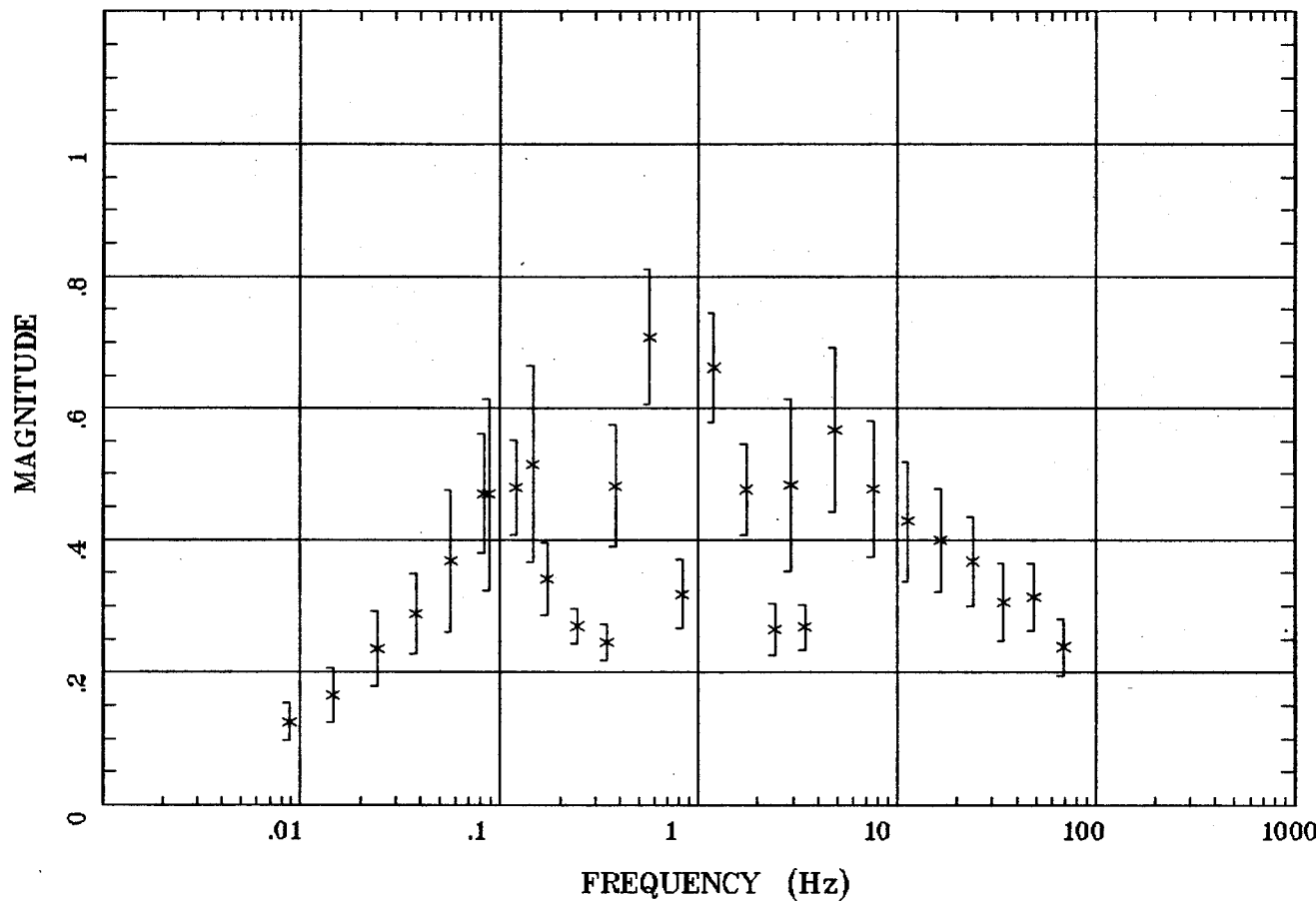
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



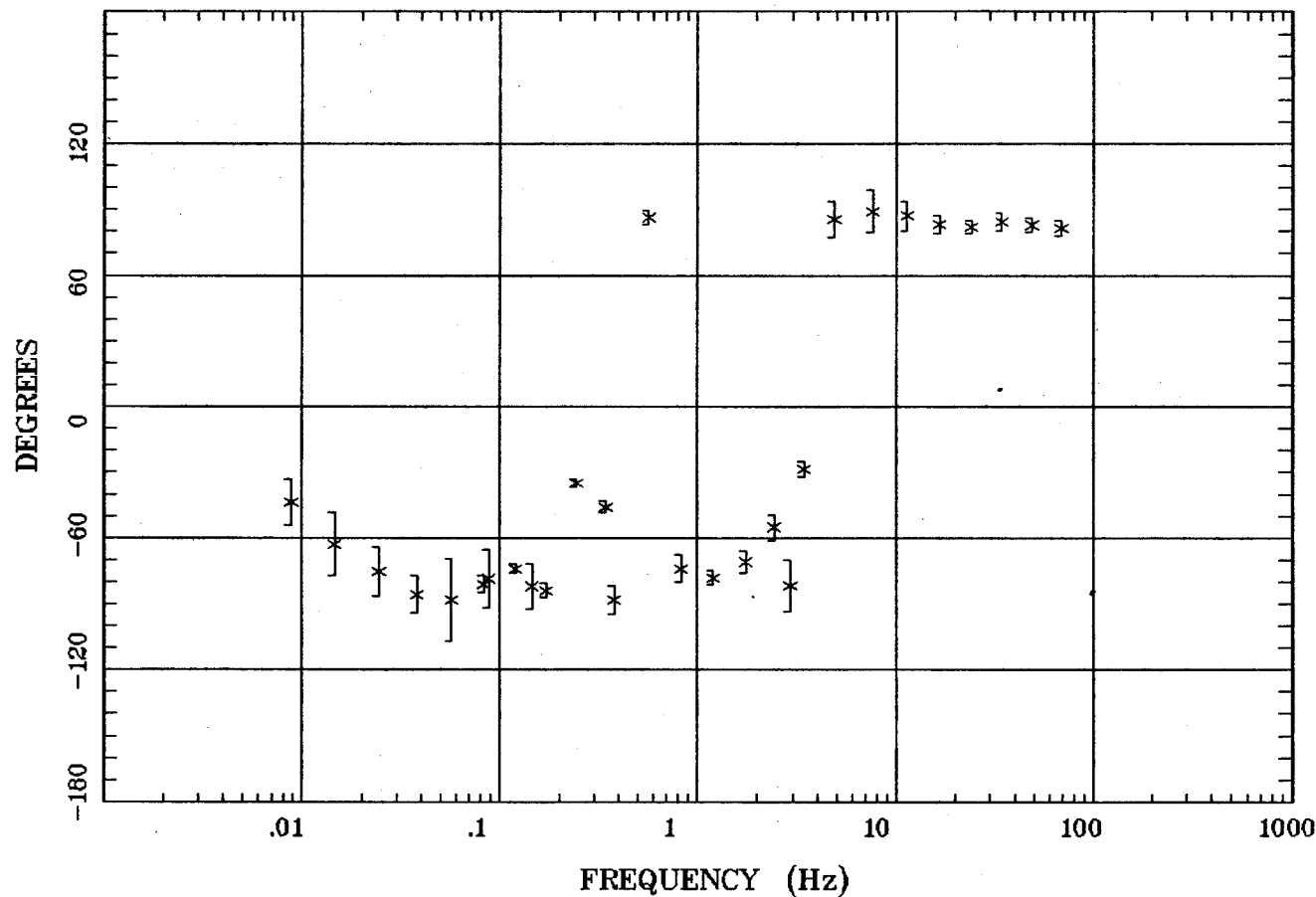
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



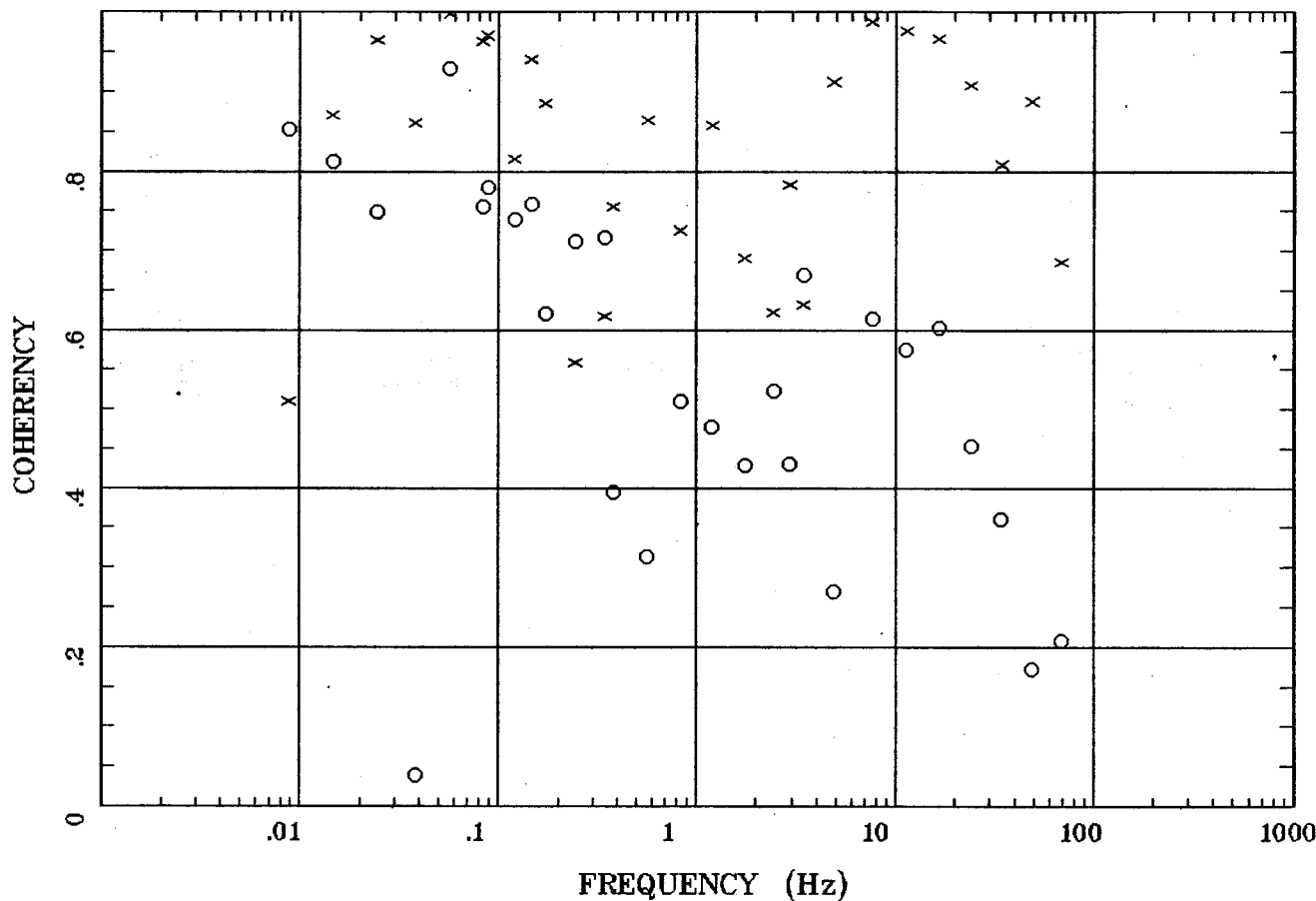
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



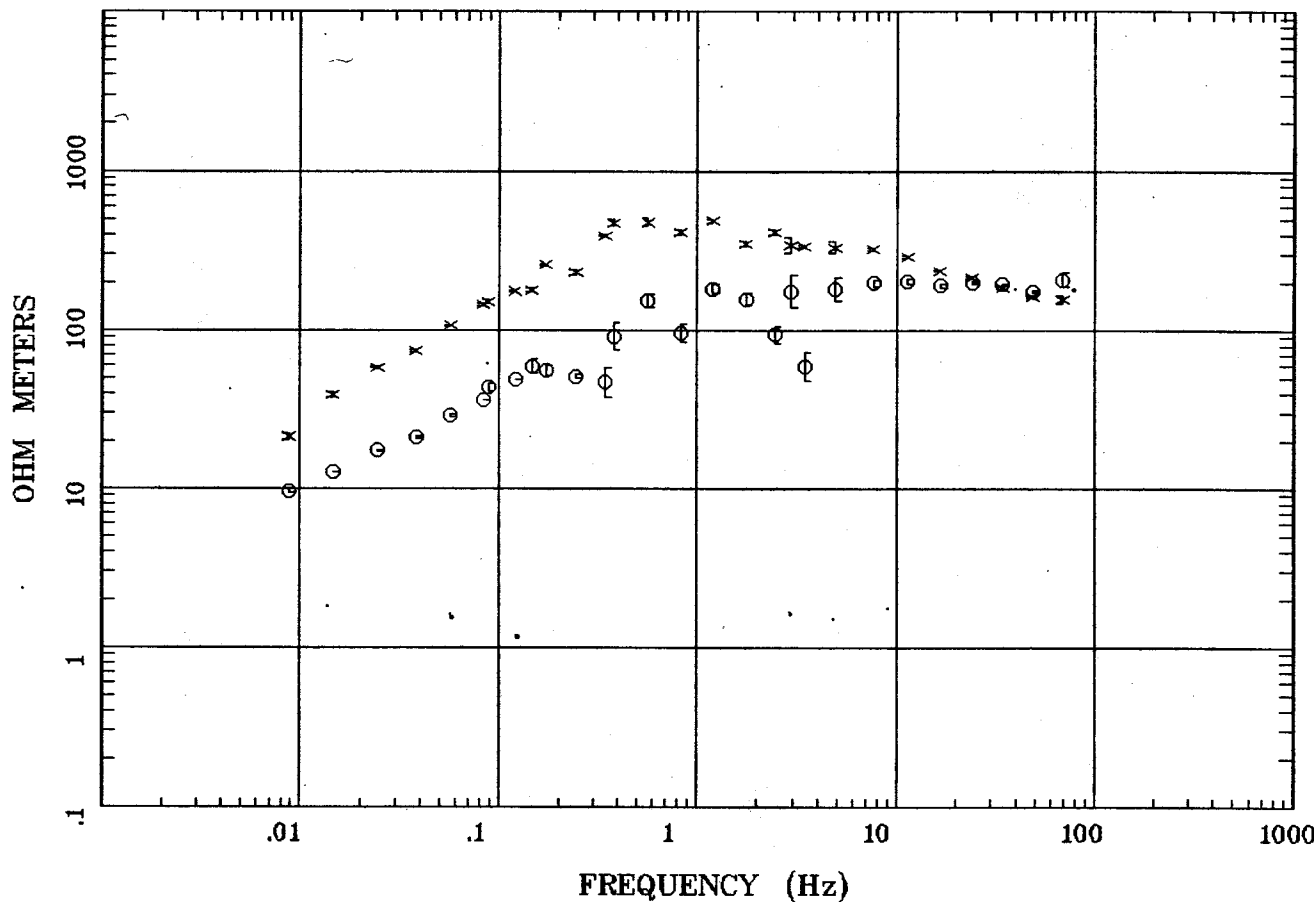
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:21 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



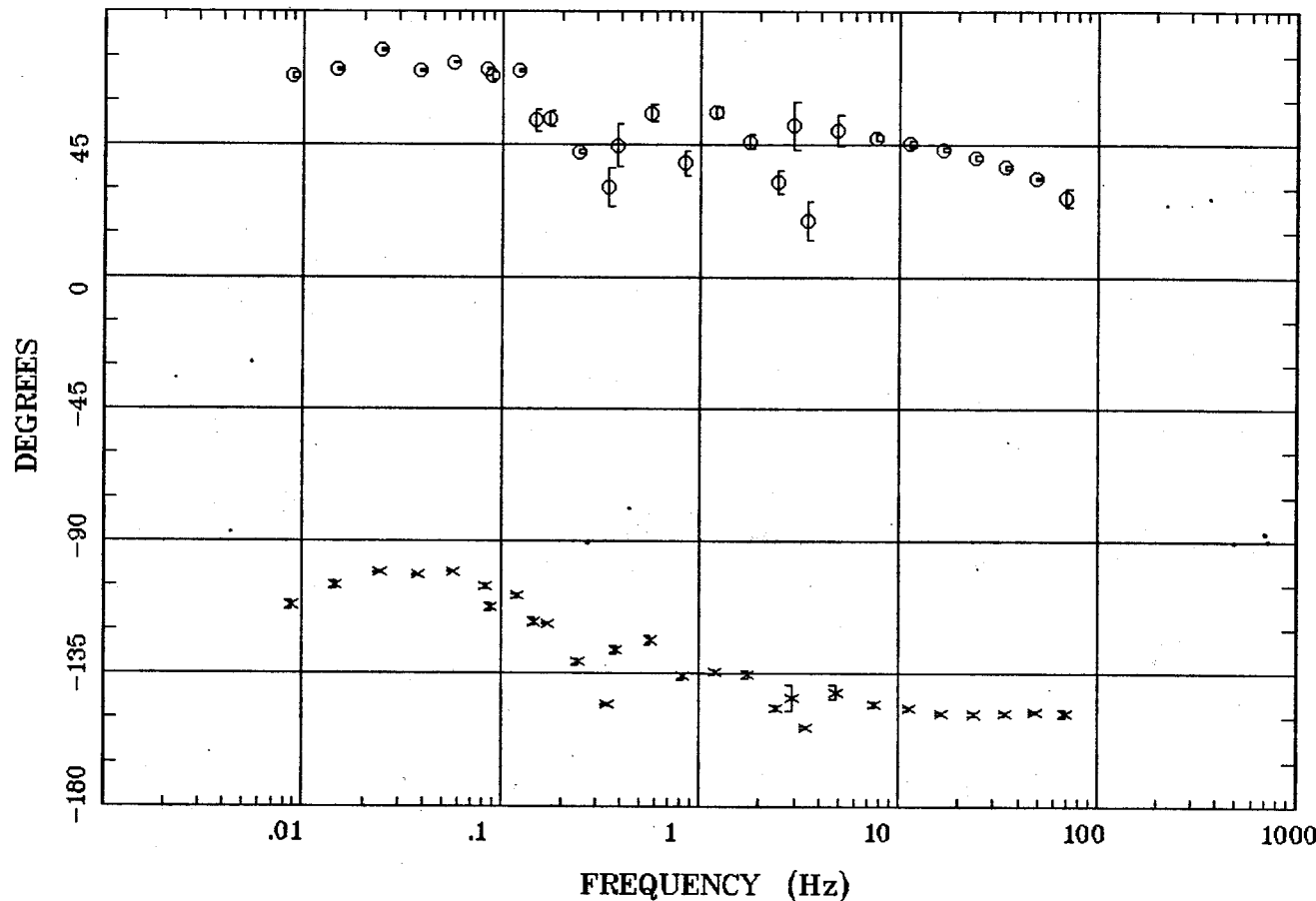
Client:
Remote: e-fld E 90 m
Acquired: 10:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap20m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:22 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



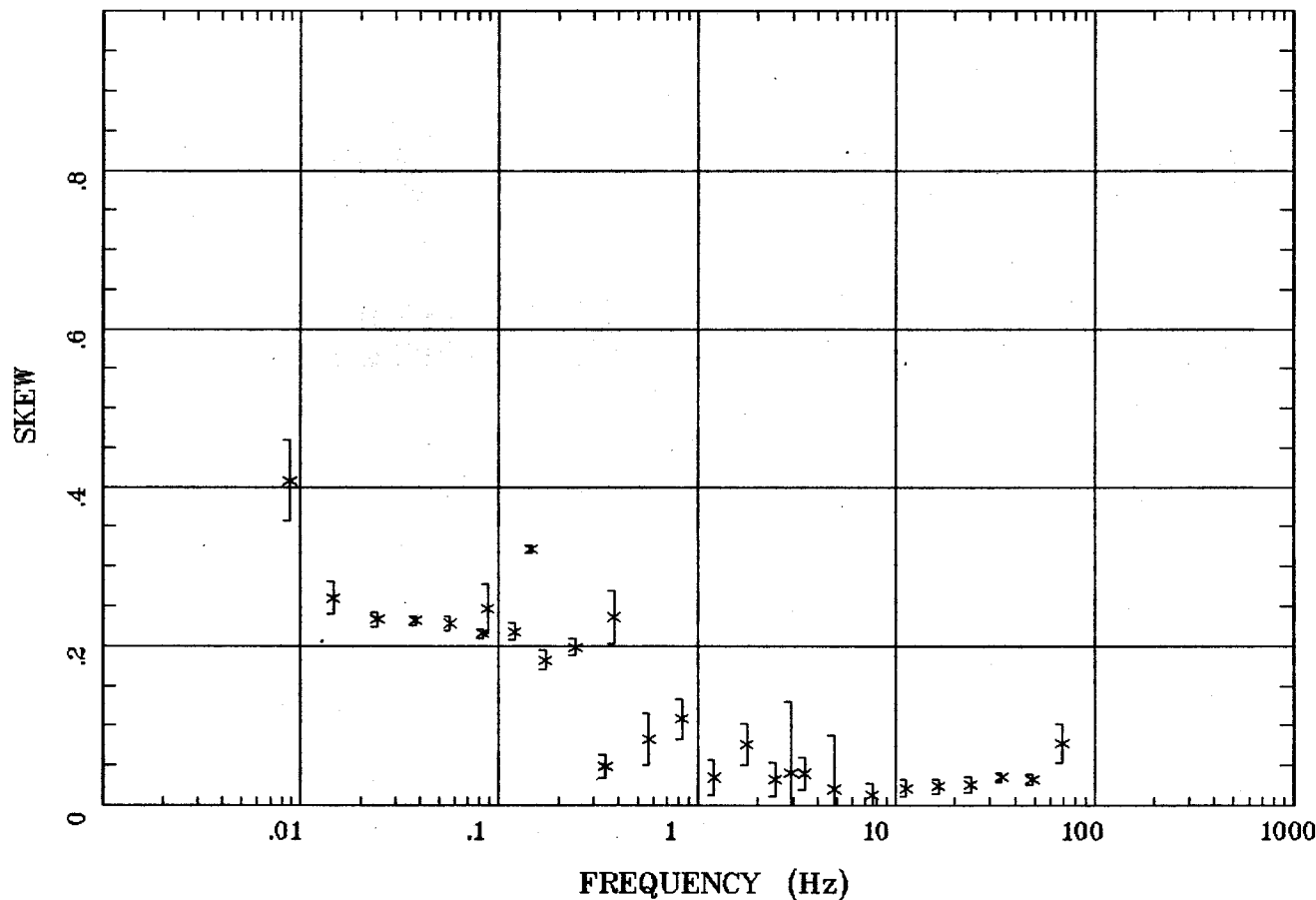
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



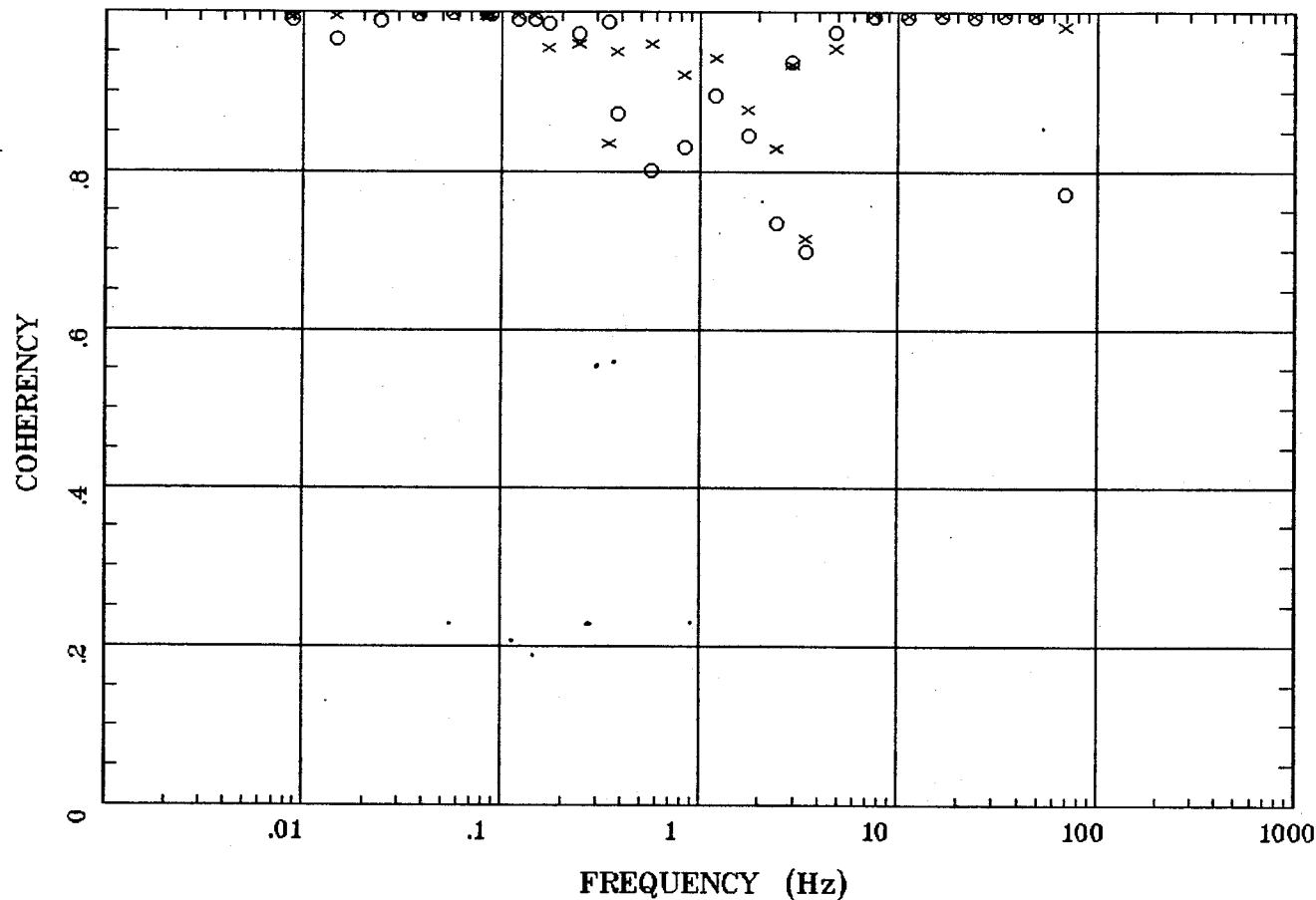
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



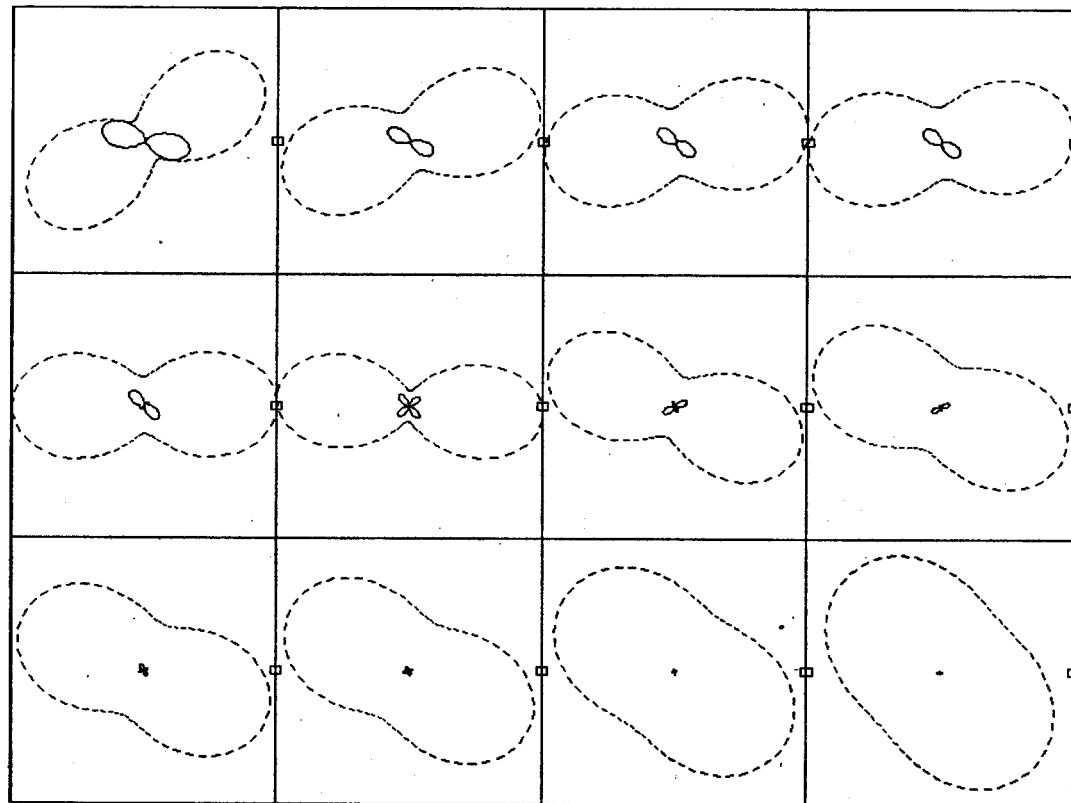
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



.0088 Hz

.0244 Hz

.0566 Hz

.120 Hz

.172 Hz

.345 Hz

.566 Hz

1.758 Hz

2.930 Hz

7.617 Hz

16.602 Hz

34.375 Hz

Client:

Remote: e-fld E 90 m

Acquired: 14:4 Sep 17, 2003

Survey Co:USGS

Rotation:

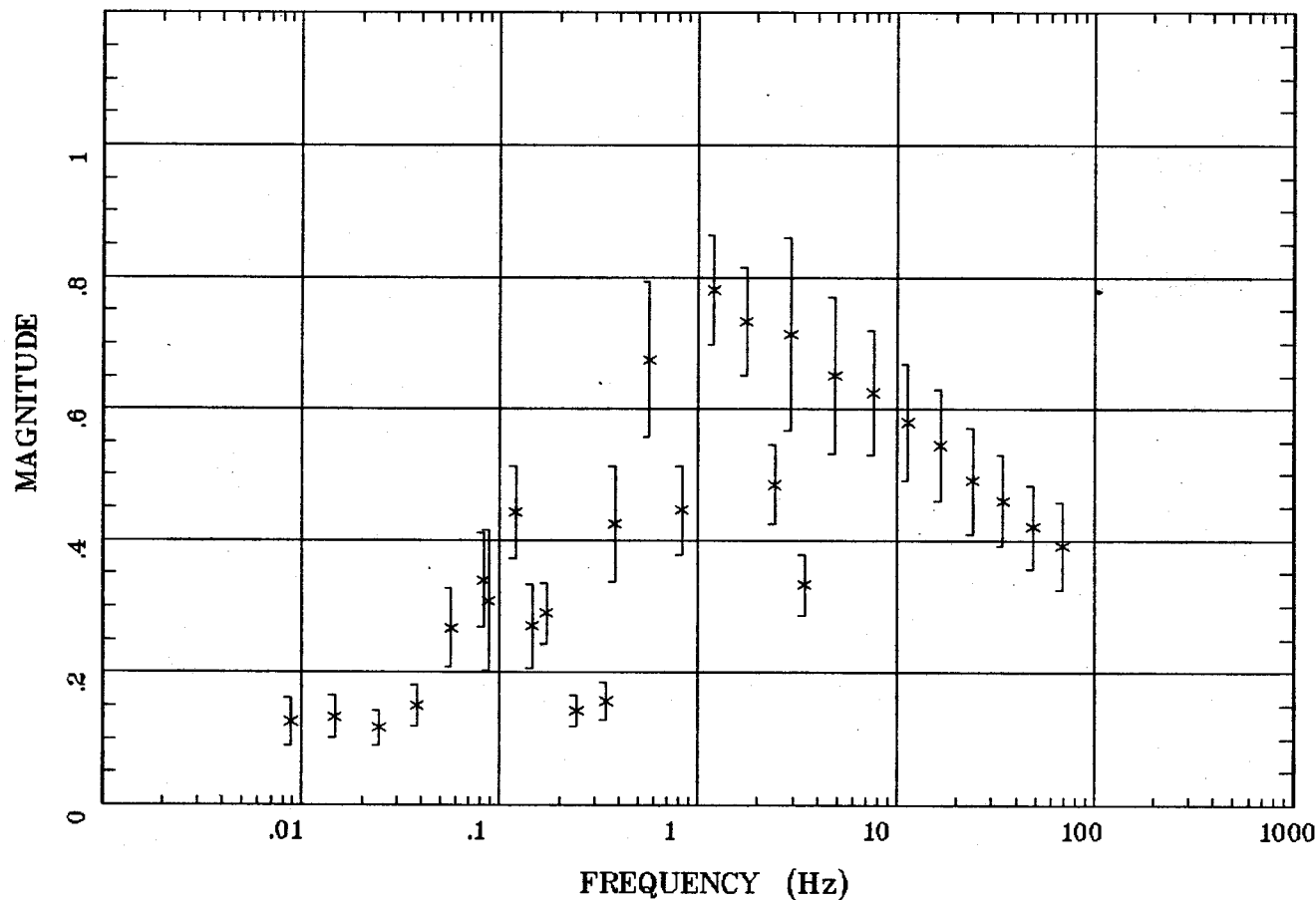
Filename: ap21m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

Plotted: 14:17 Sep 24, 2003

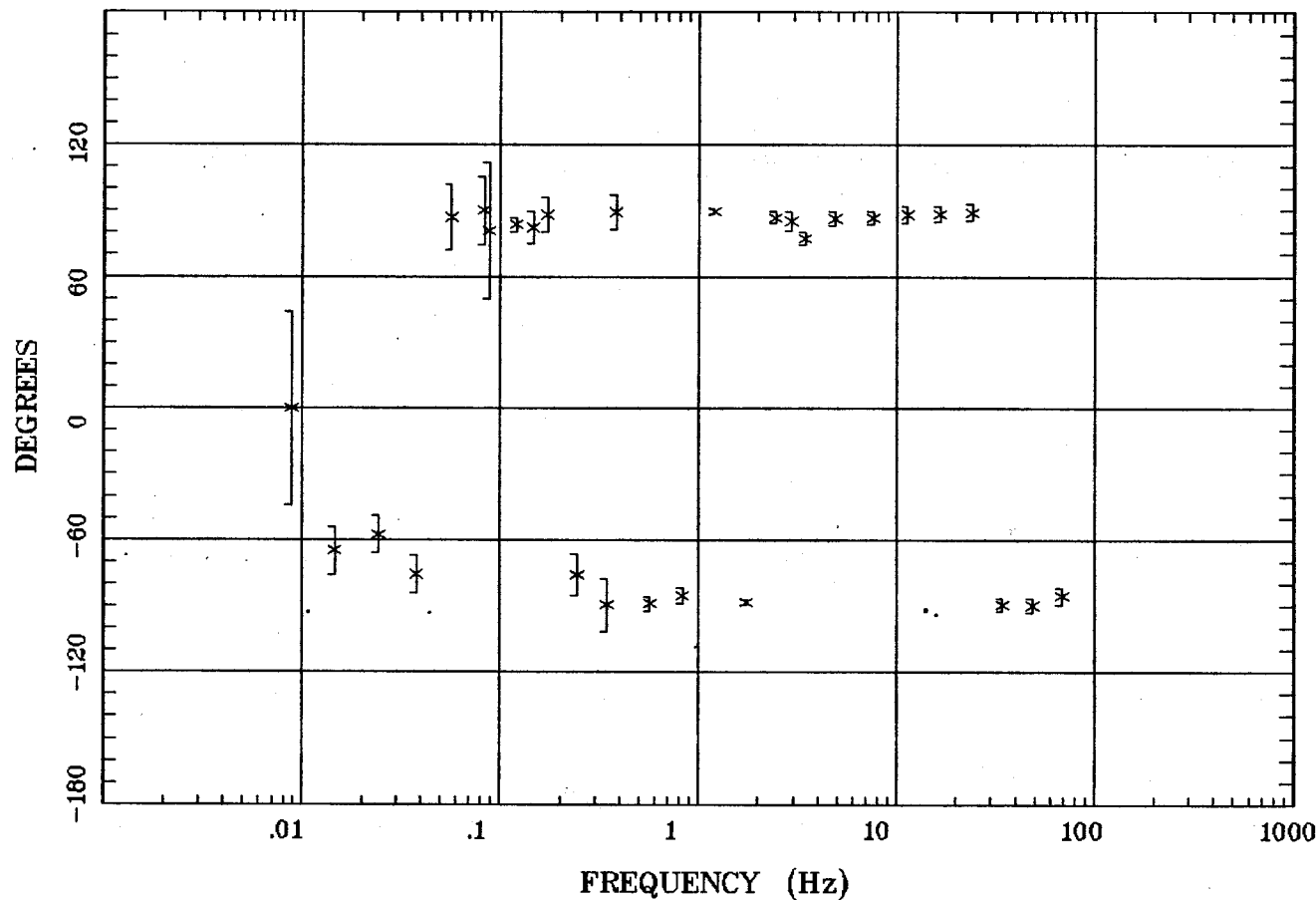
< EMI - ElectroMagnetic Instruments >

Station 21



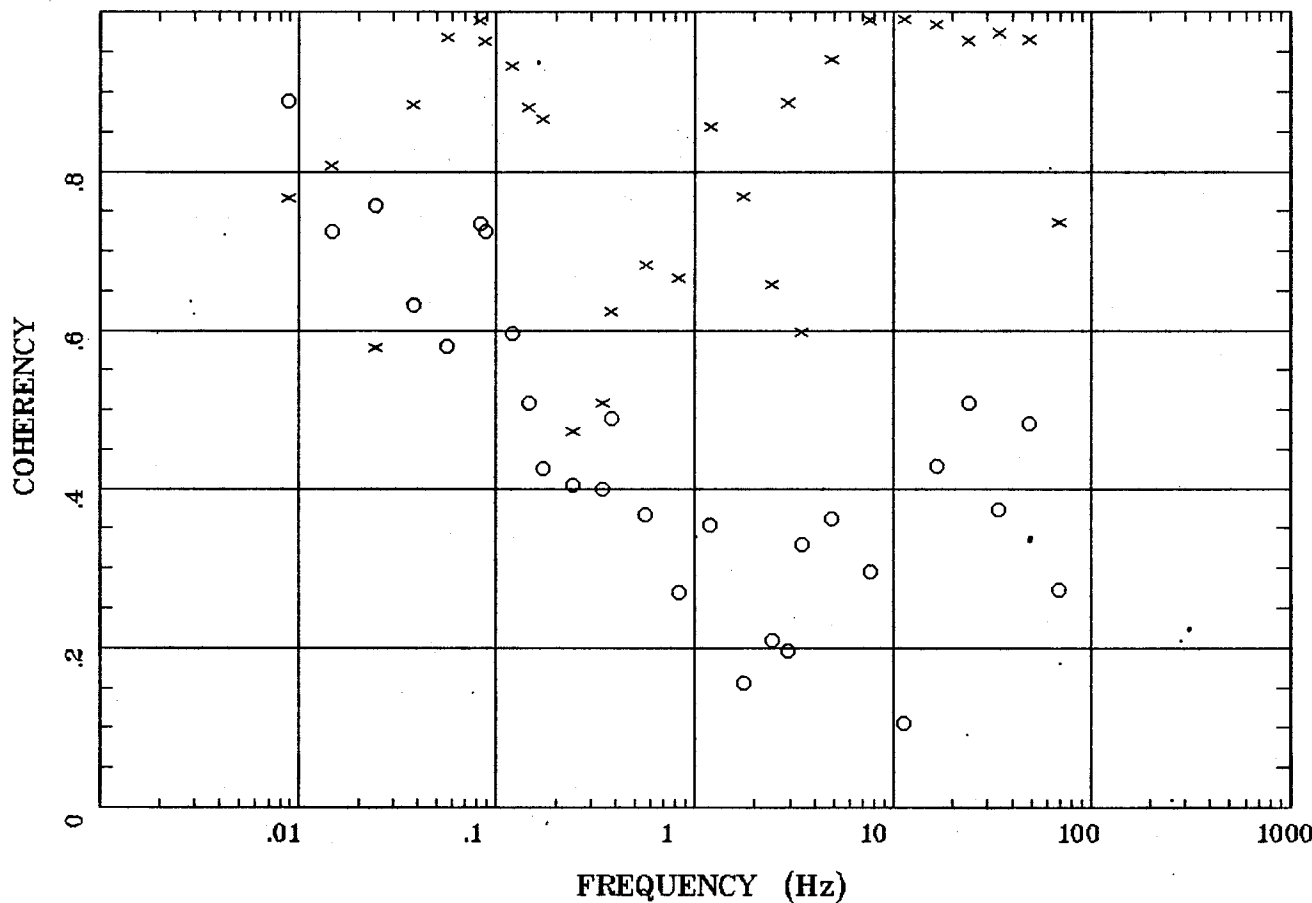
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



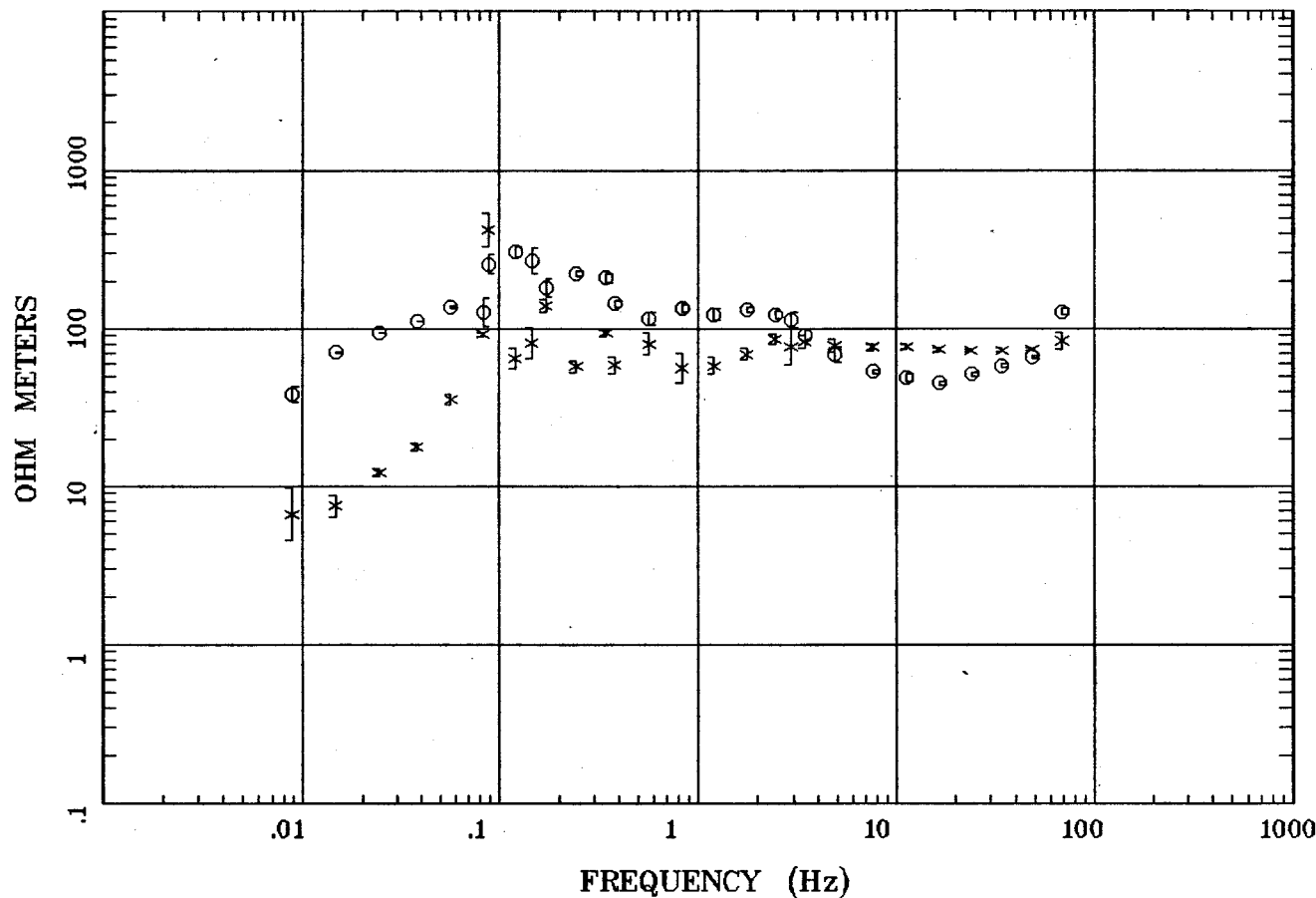
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



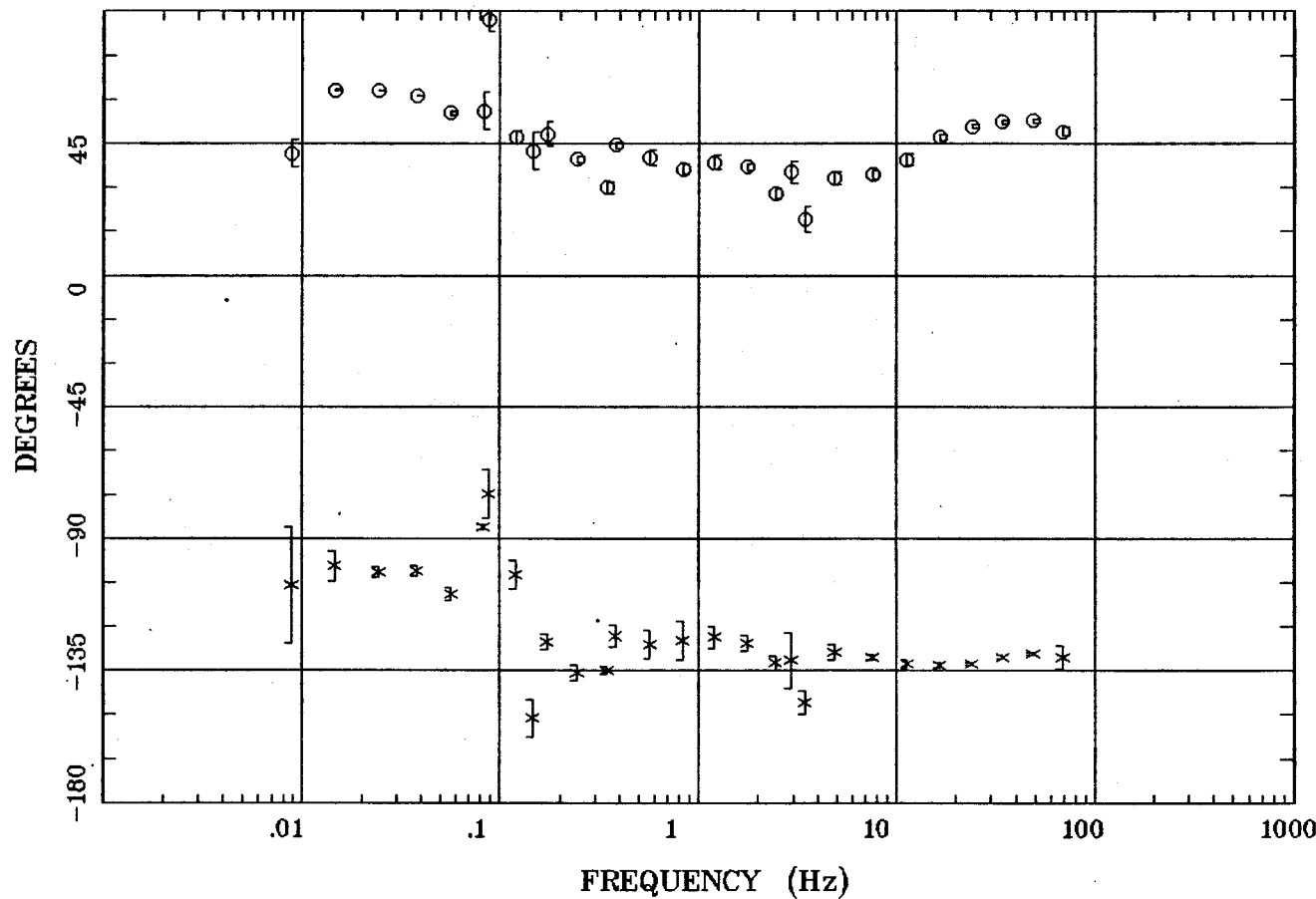
Client:
Remote: e-fld E 90 m
Acquired: 14:4 Sep 17, 2003
Survey Co:USGS

Rotation:
Filename: ap21m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 14:17 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



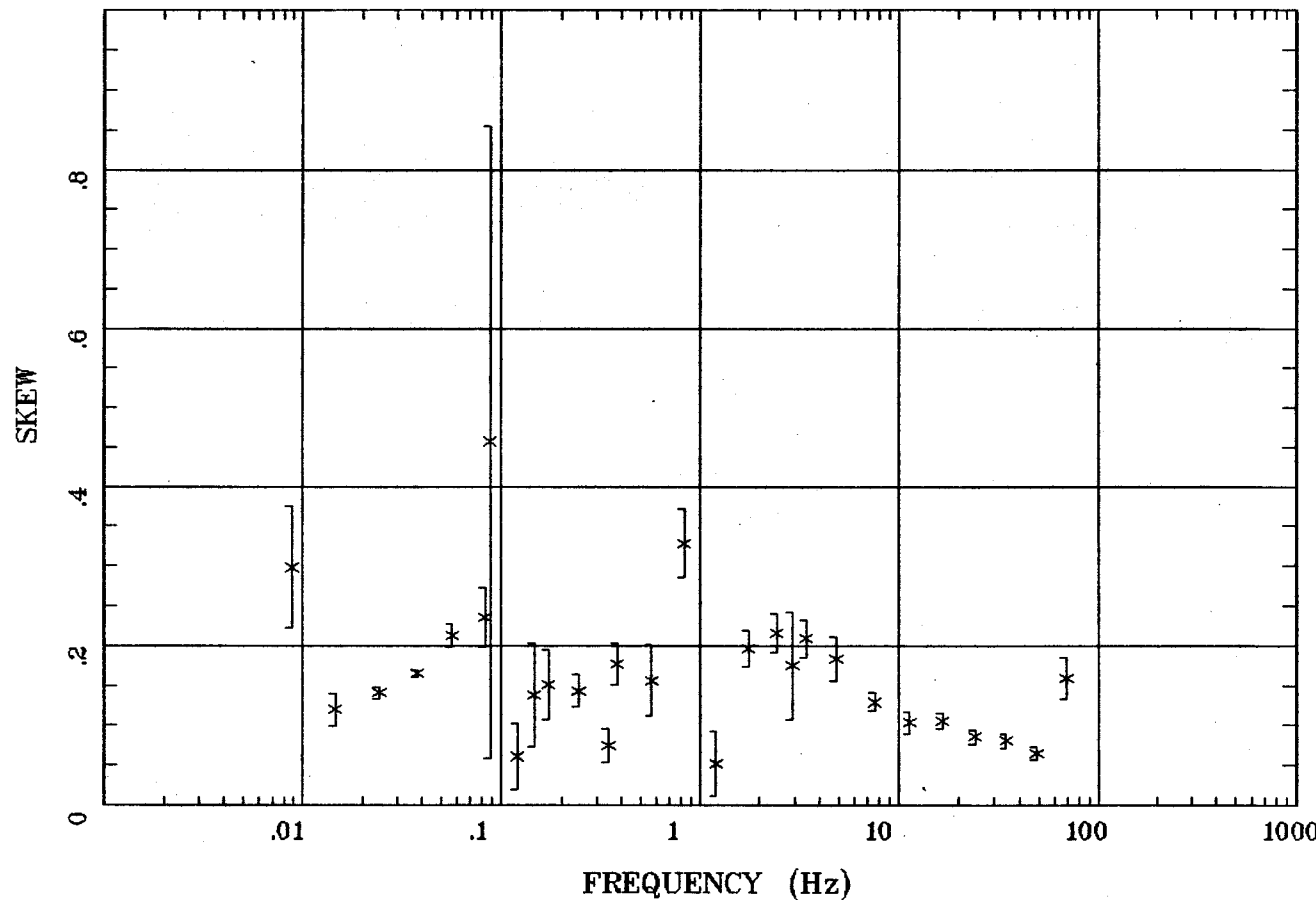
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



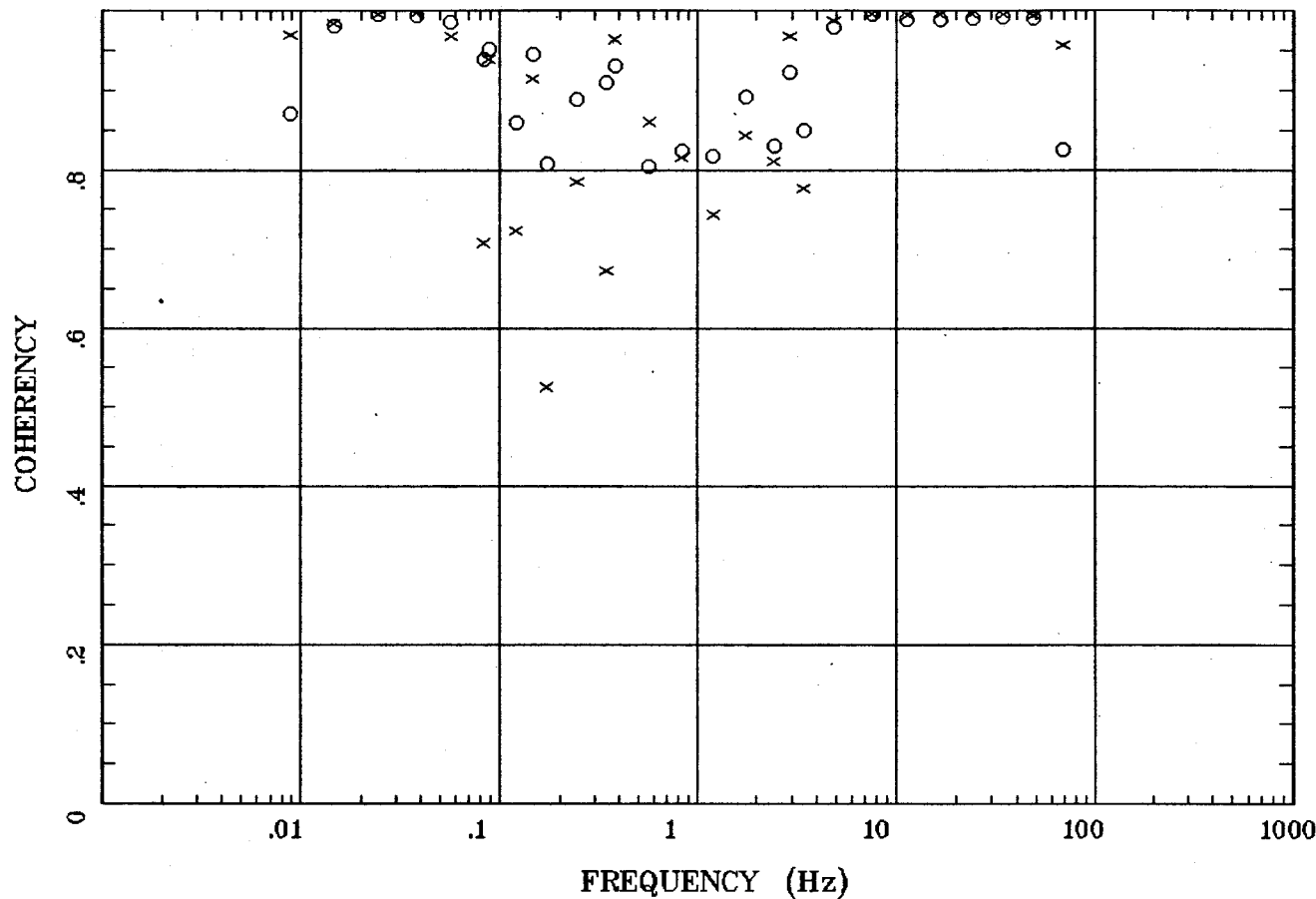
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



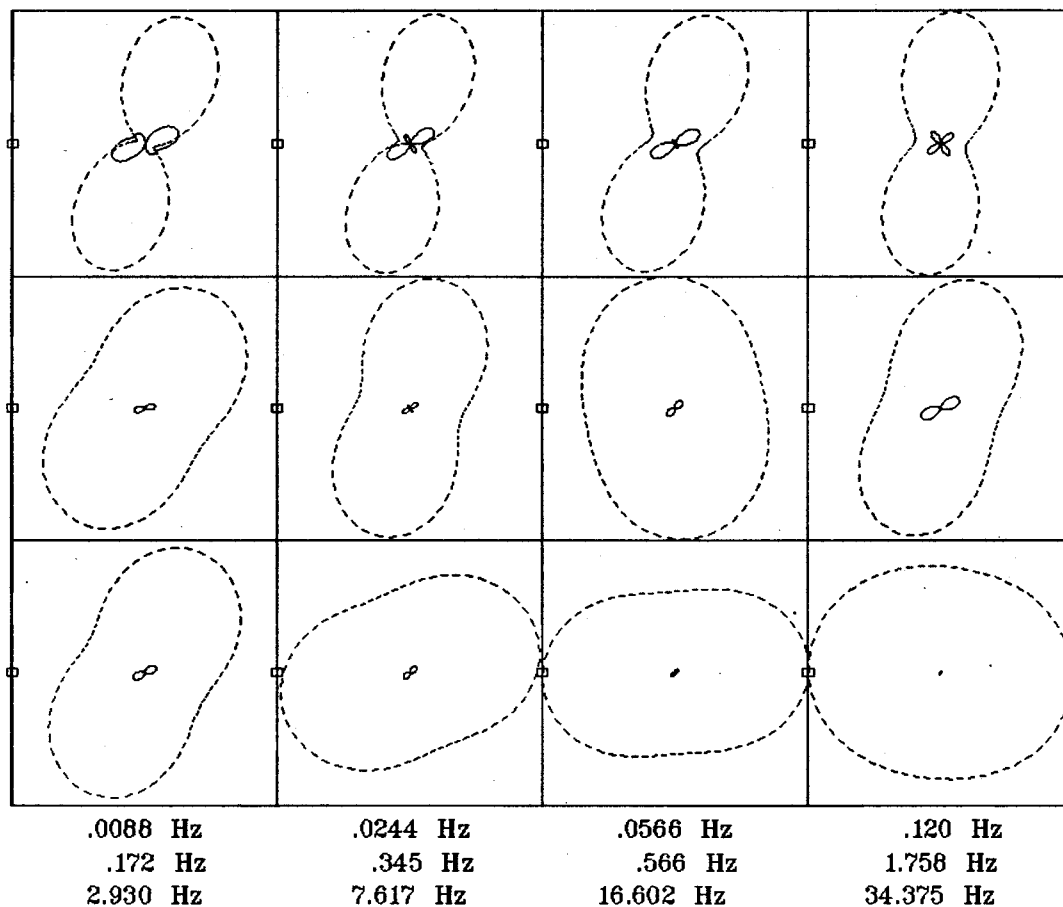
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld E 90 m

Acquired: 13:2 Sep 15, 2003

Survey Co:USGS

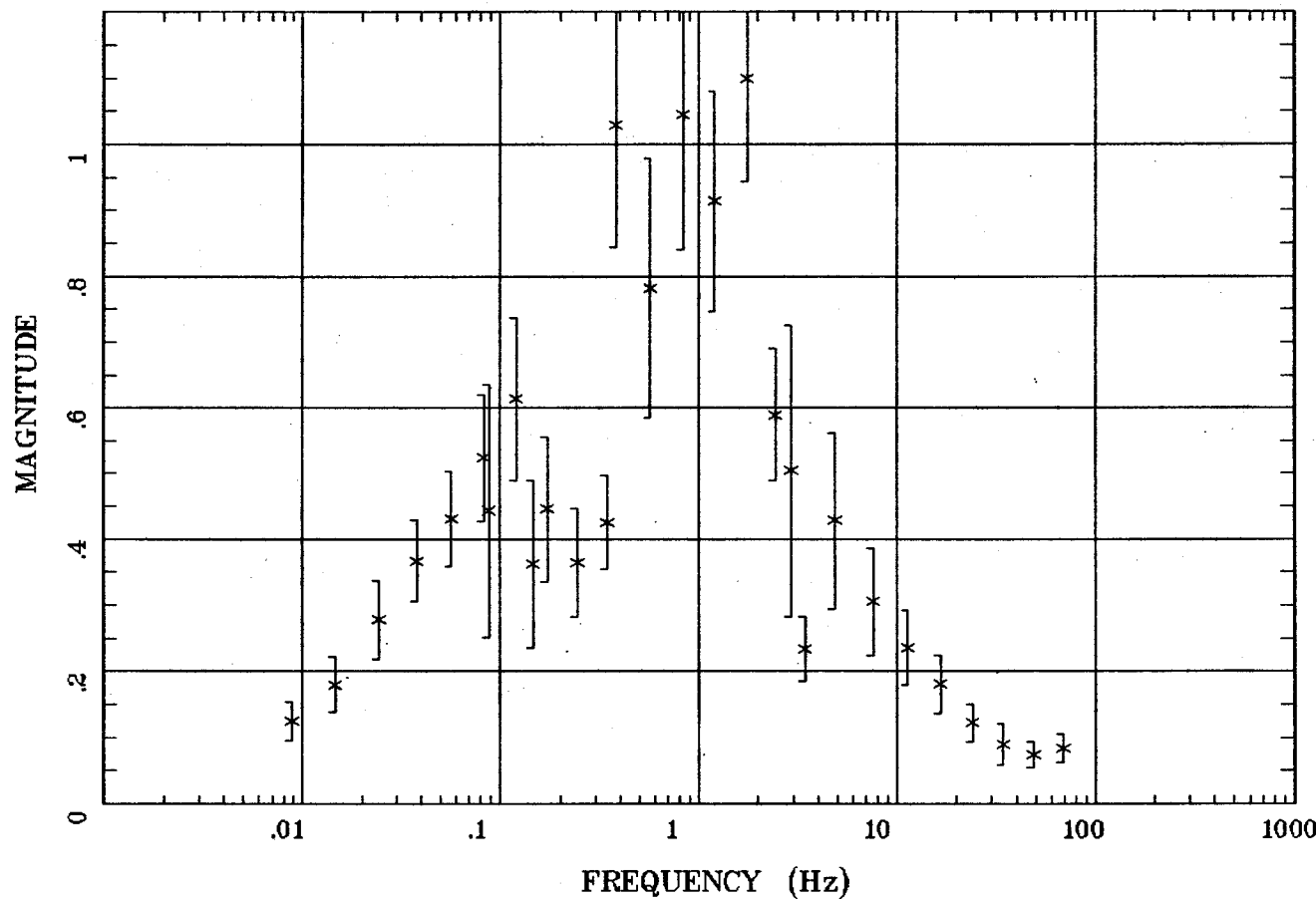
Rotation:

Filename: ap22m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

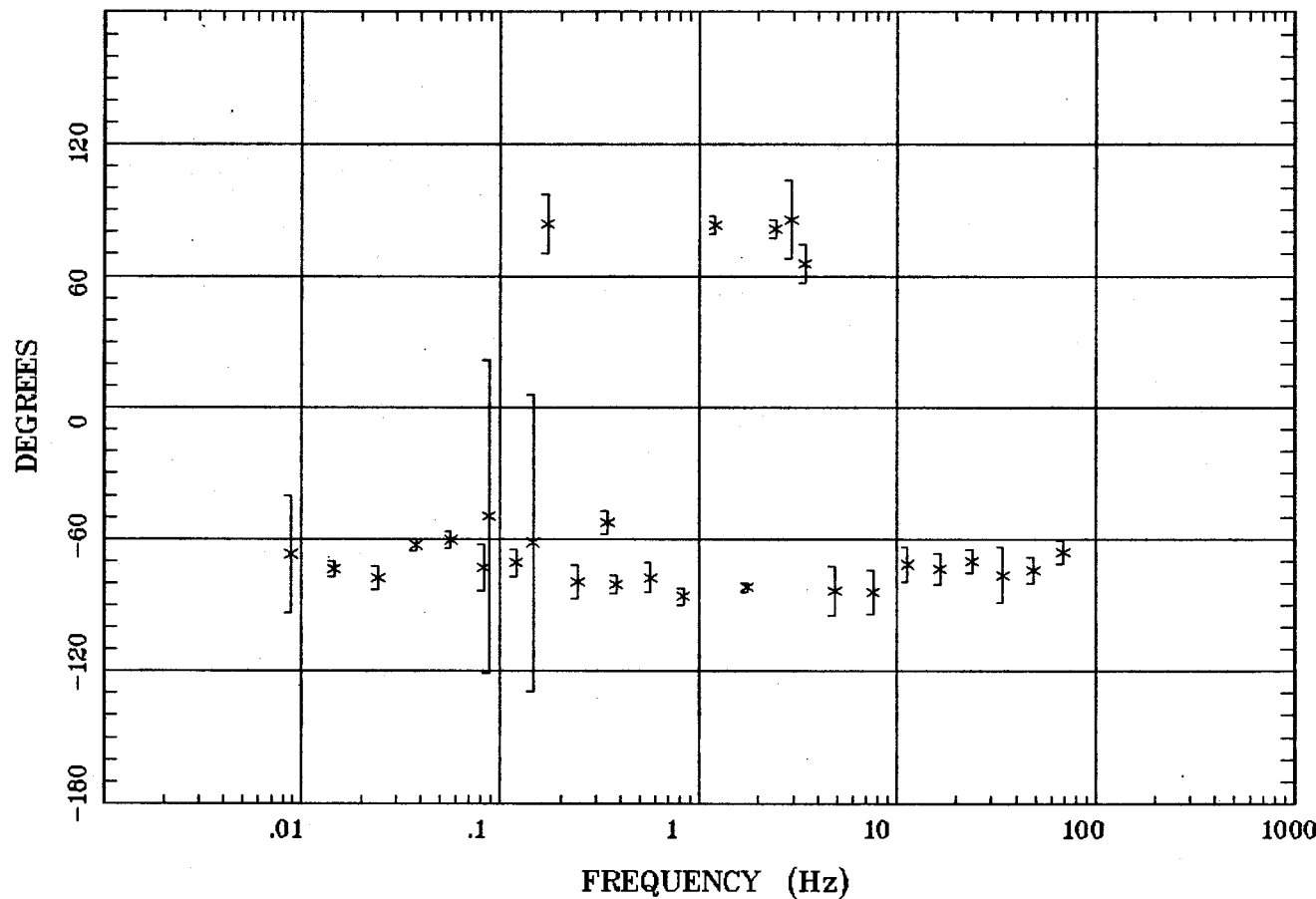
Plotted: 11:24 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



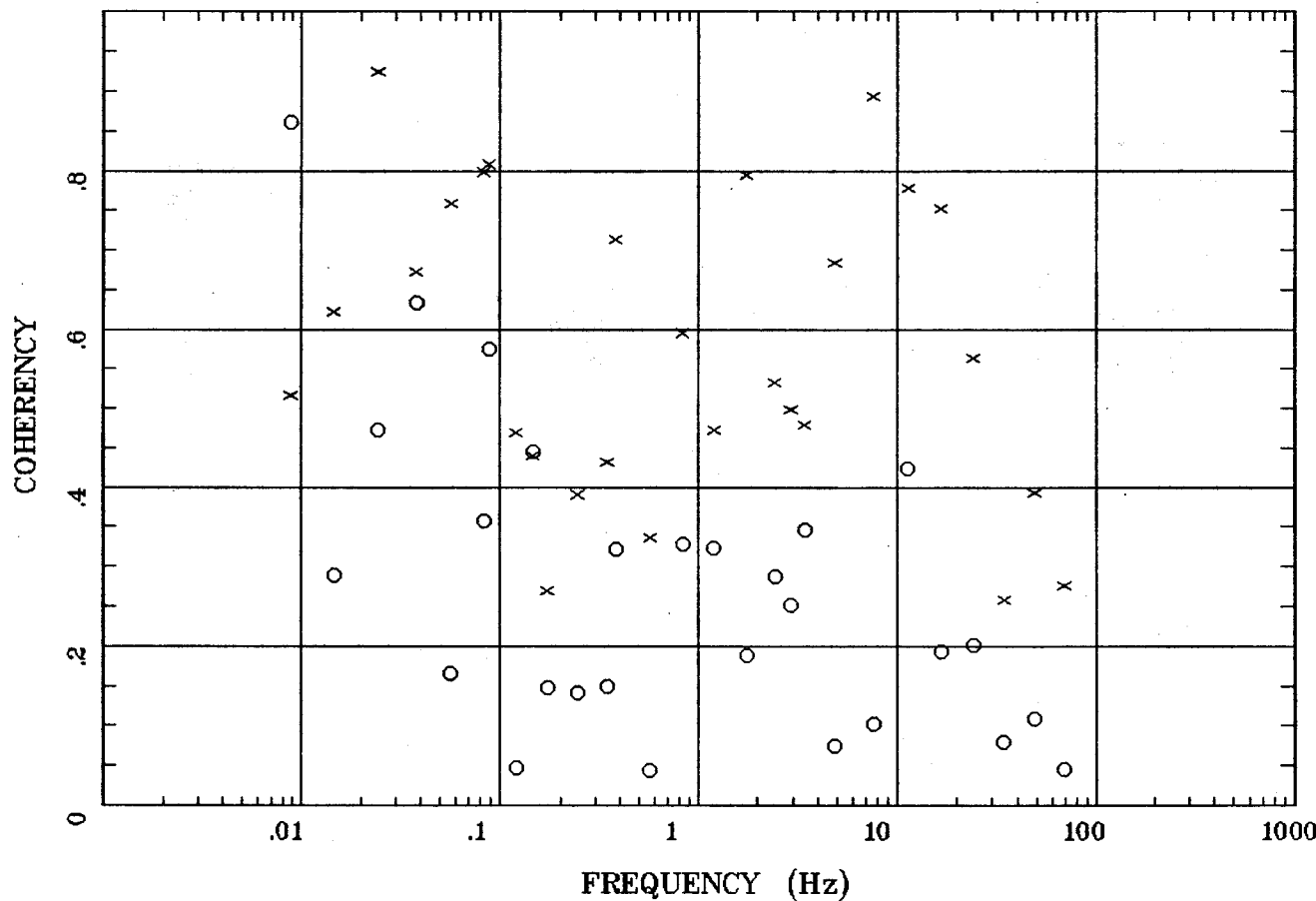
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



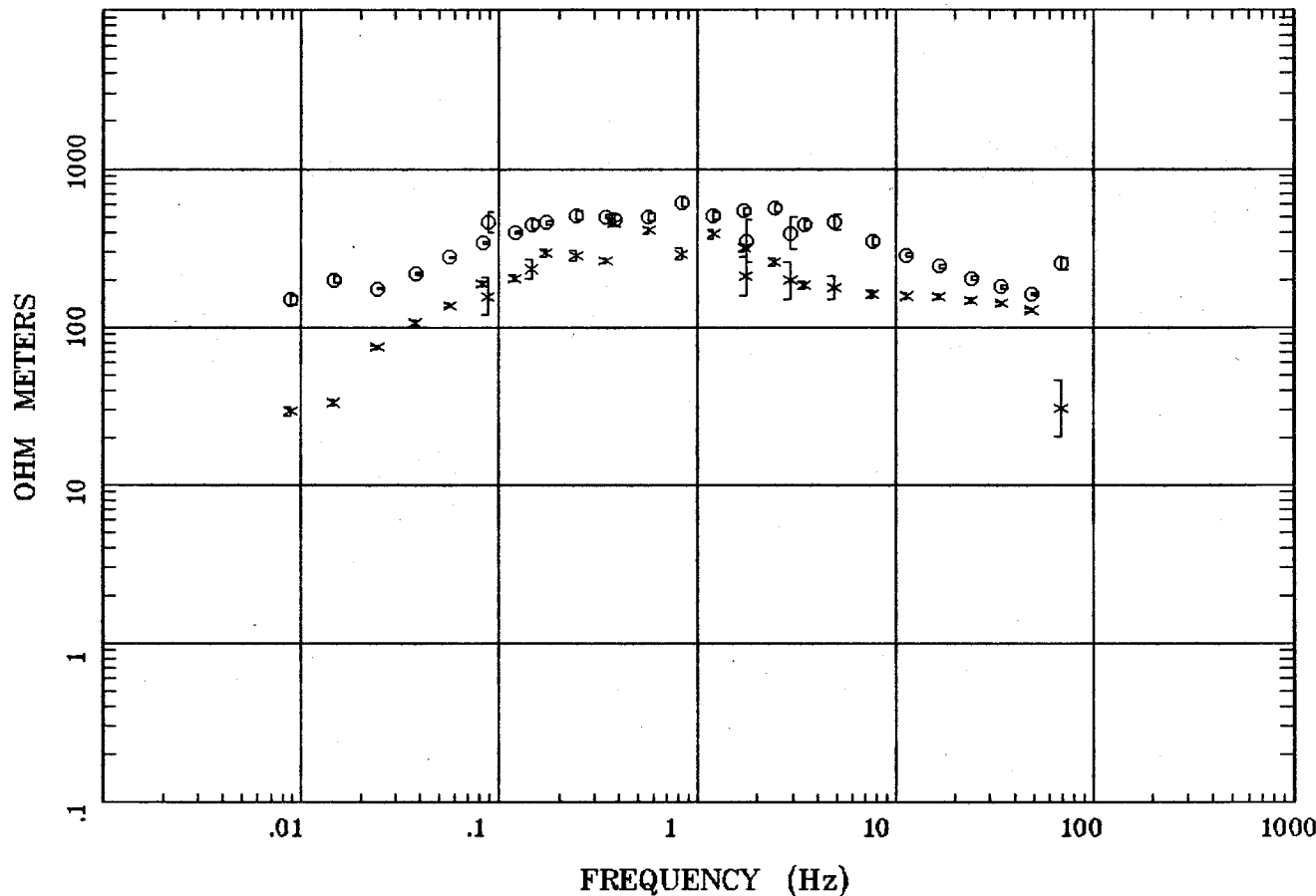
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap22m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



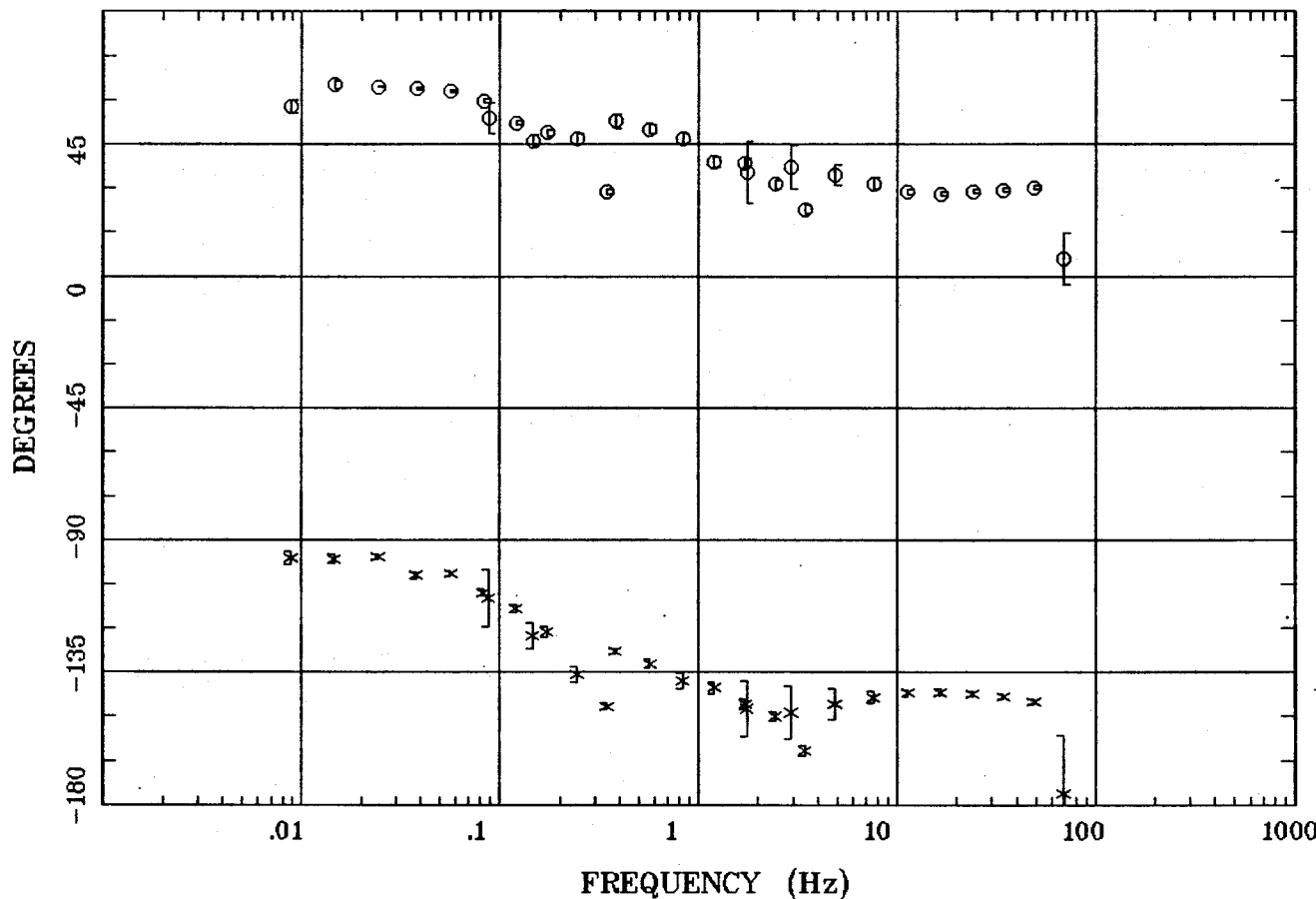
Client:
Remote: e-fld E 90 m
Acquired: 13:2 Sep 15, 2003
Survey Co:USGS

Rotation:
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Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:24 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



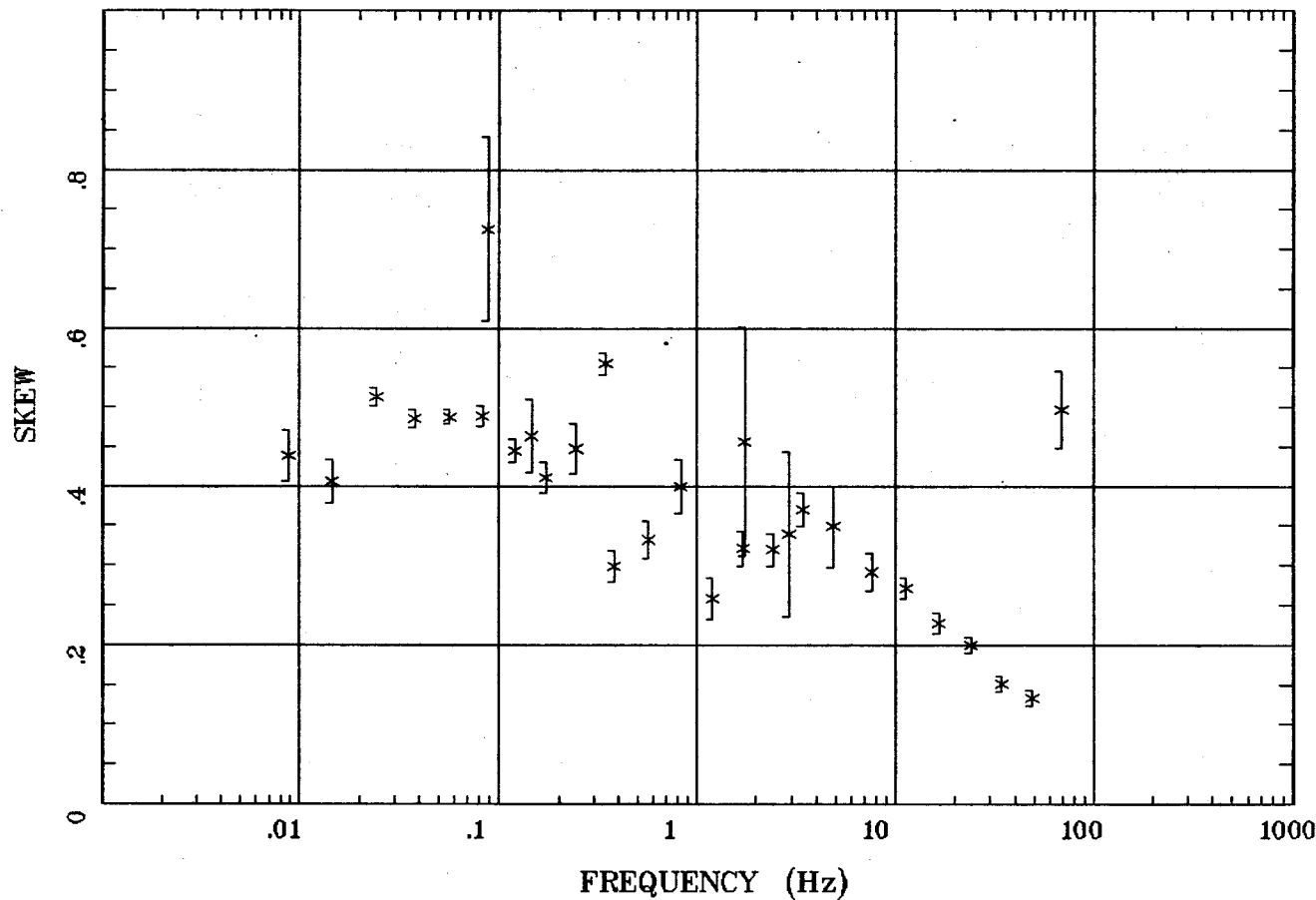
Client:
 Remote: e-fld E 90 m
 Acquired: 17:1 Sep 15, 2003
 Survey Co:USGS

Rotation:
 Filename: ap23mall.avg
 Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
 Plotted: 11:25 Sep 24, 2003
 < EMI - ElectroMagnetic Instruments >



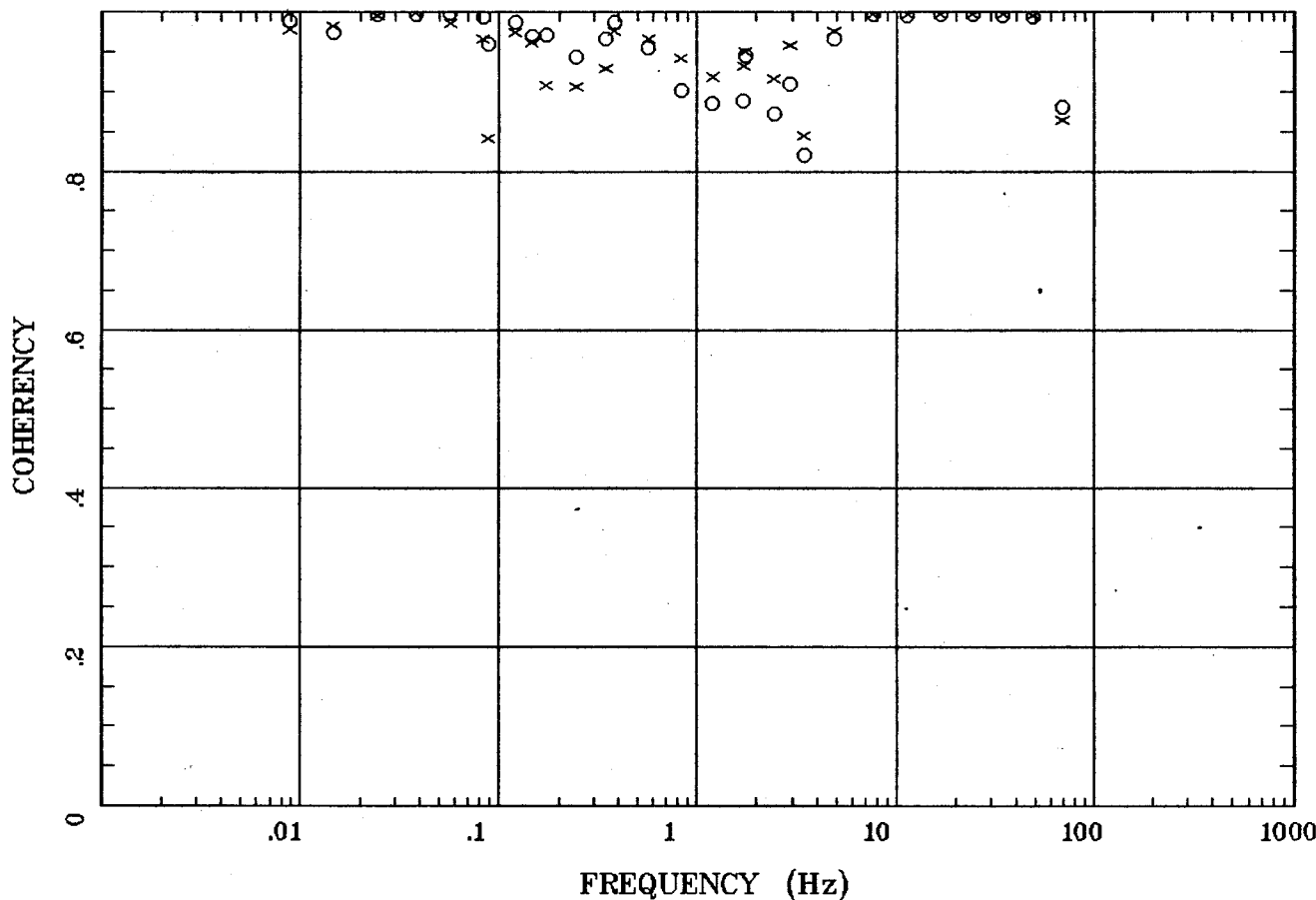
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Remote: e-fld E 90 m
Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
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Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



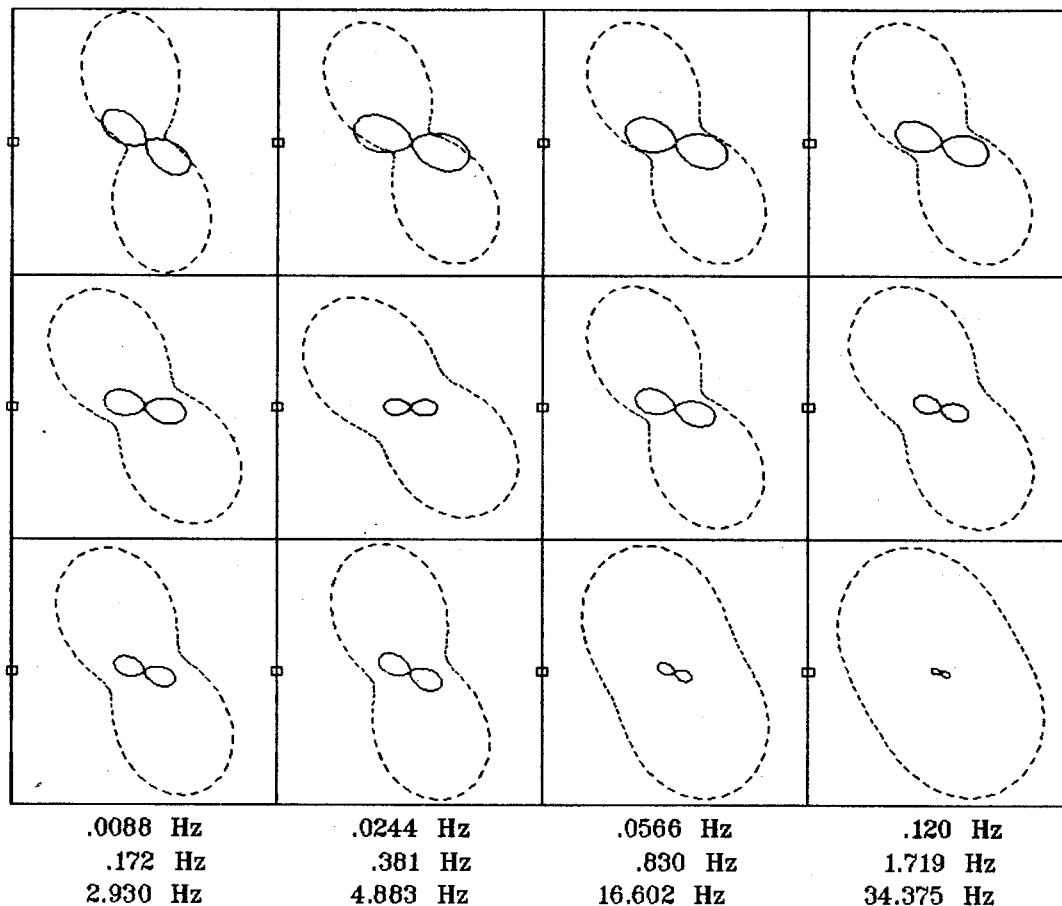
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Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap23mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



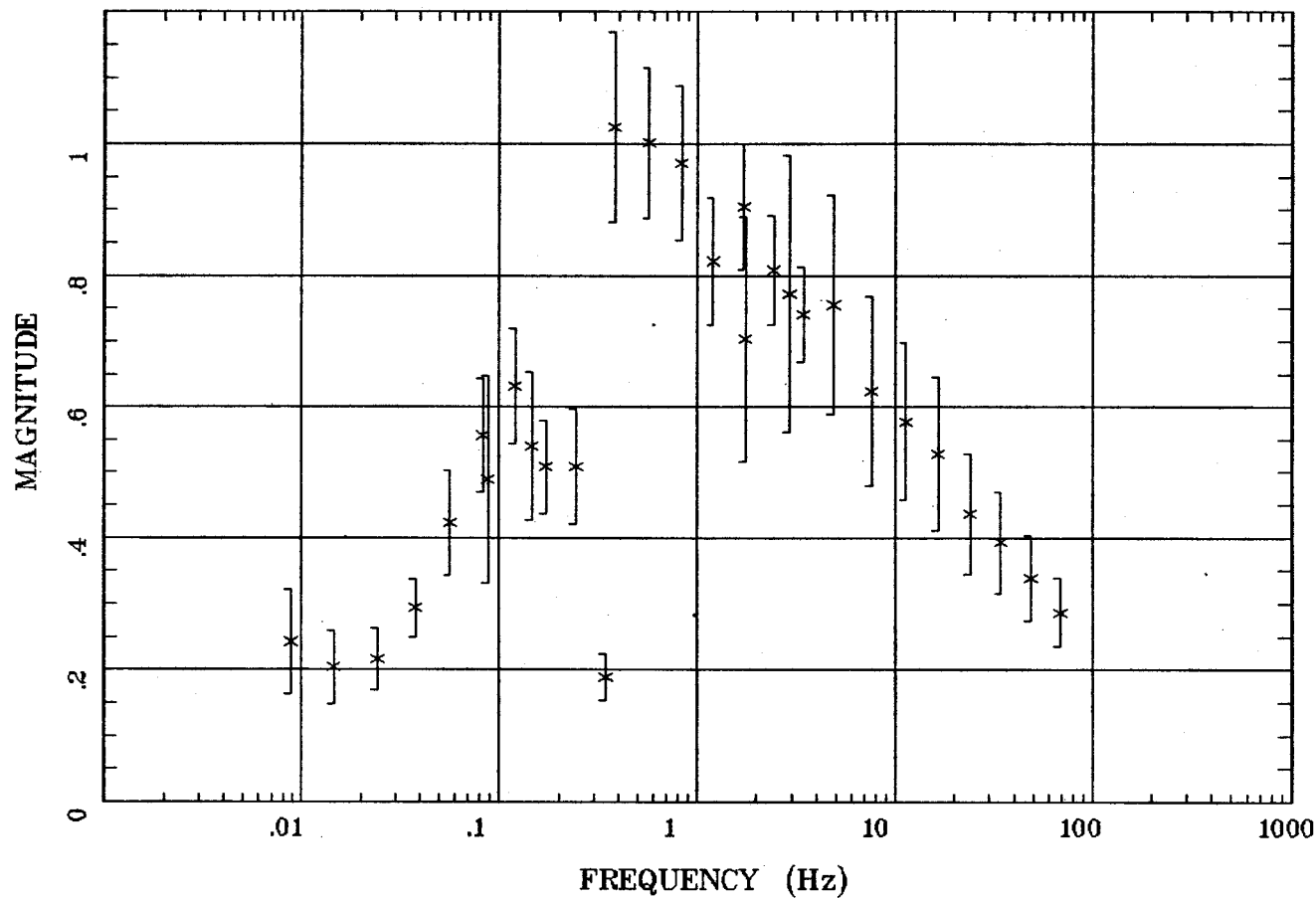
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Remote: e-fld E 90 m
Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap23mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



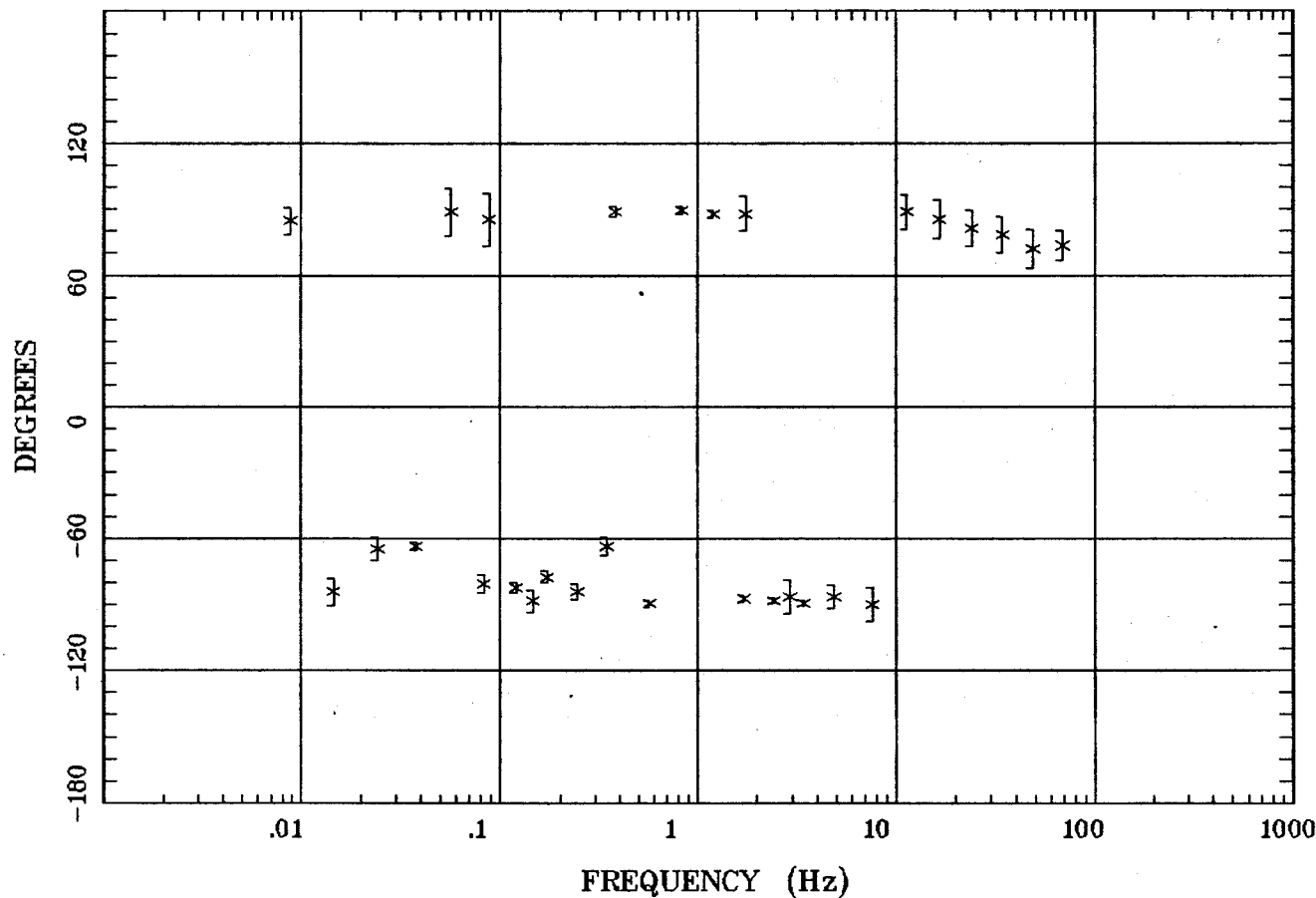
Client:
Remote: e-fld E 90 m
Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap23mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



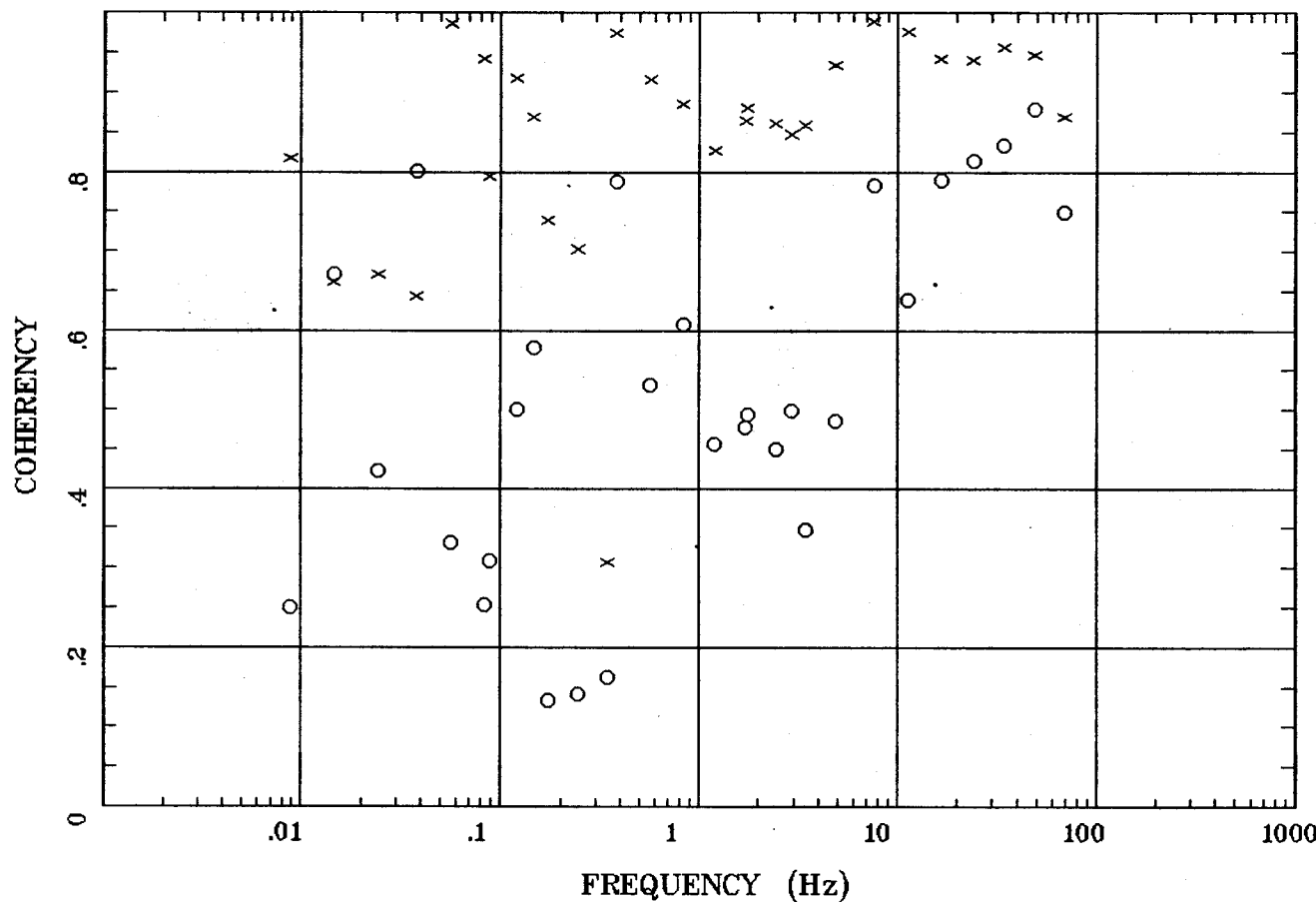
Client:
Remote: e-fld E 90 m
Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
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Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



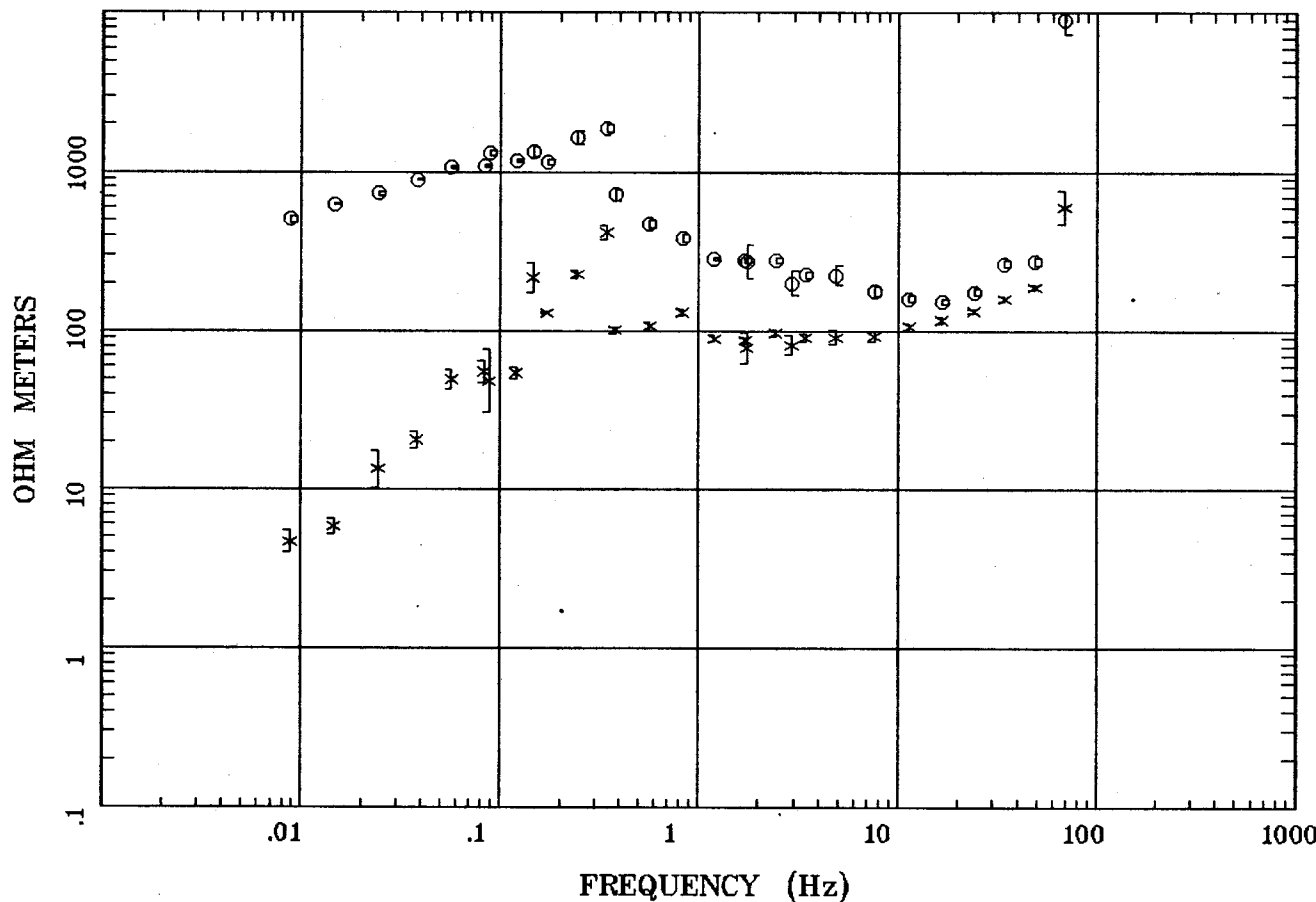
Client:
Remote: e-fld E 90 m
Acquired: 17:1 Sep 15, 2003
Survey Co:USGS

Rotation:
Filename: ap23mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



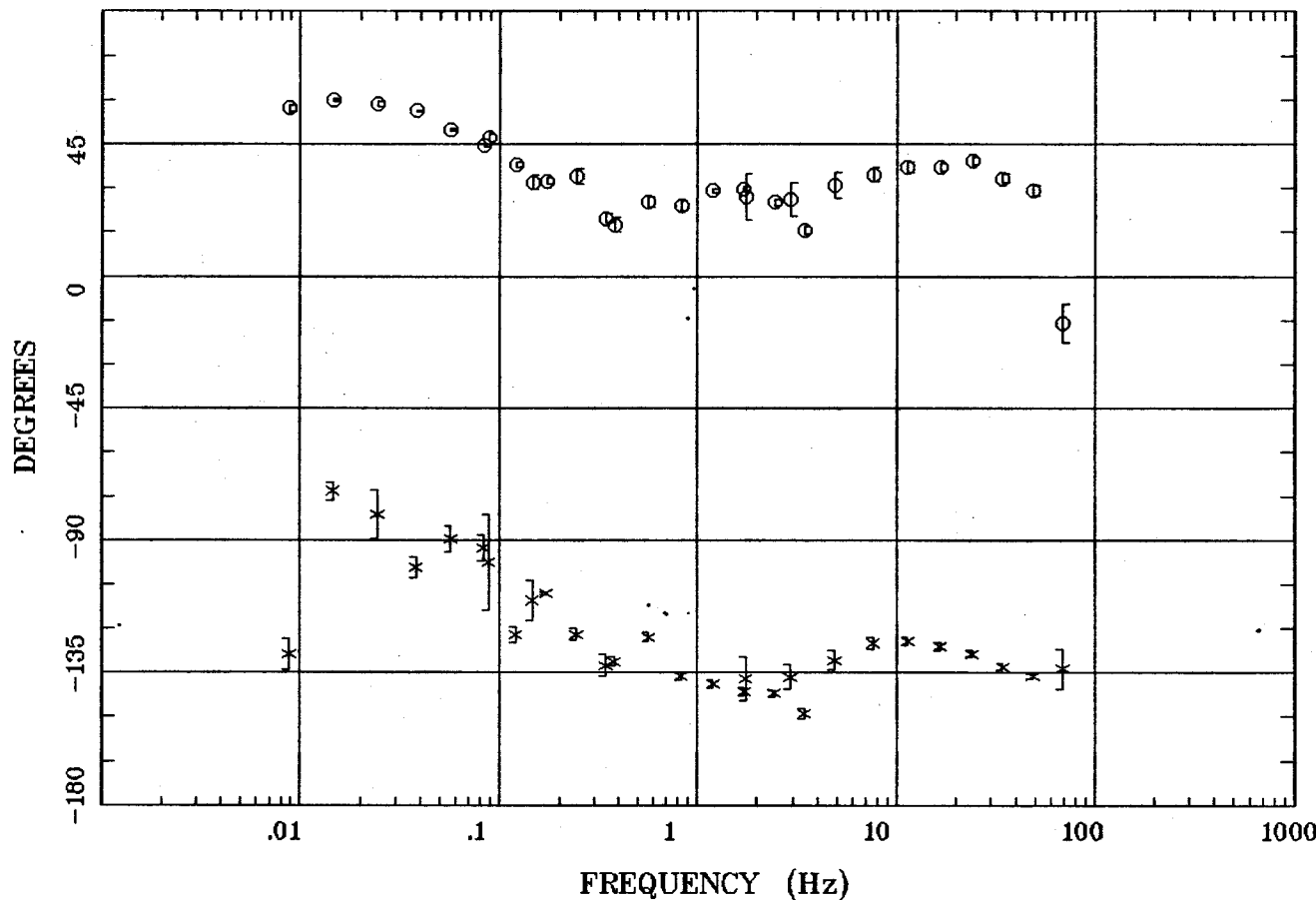
Client:
Remote: e-fld E 90 m
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Survey Co:USGS

Rotation:
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Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



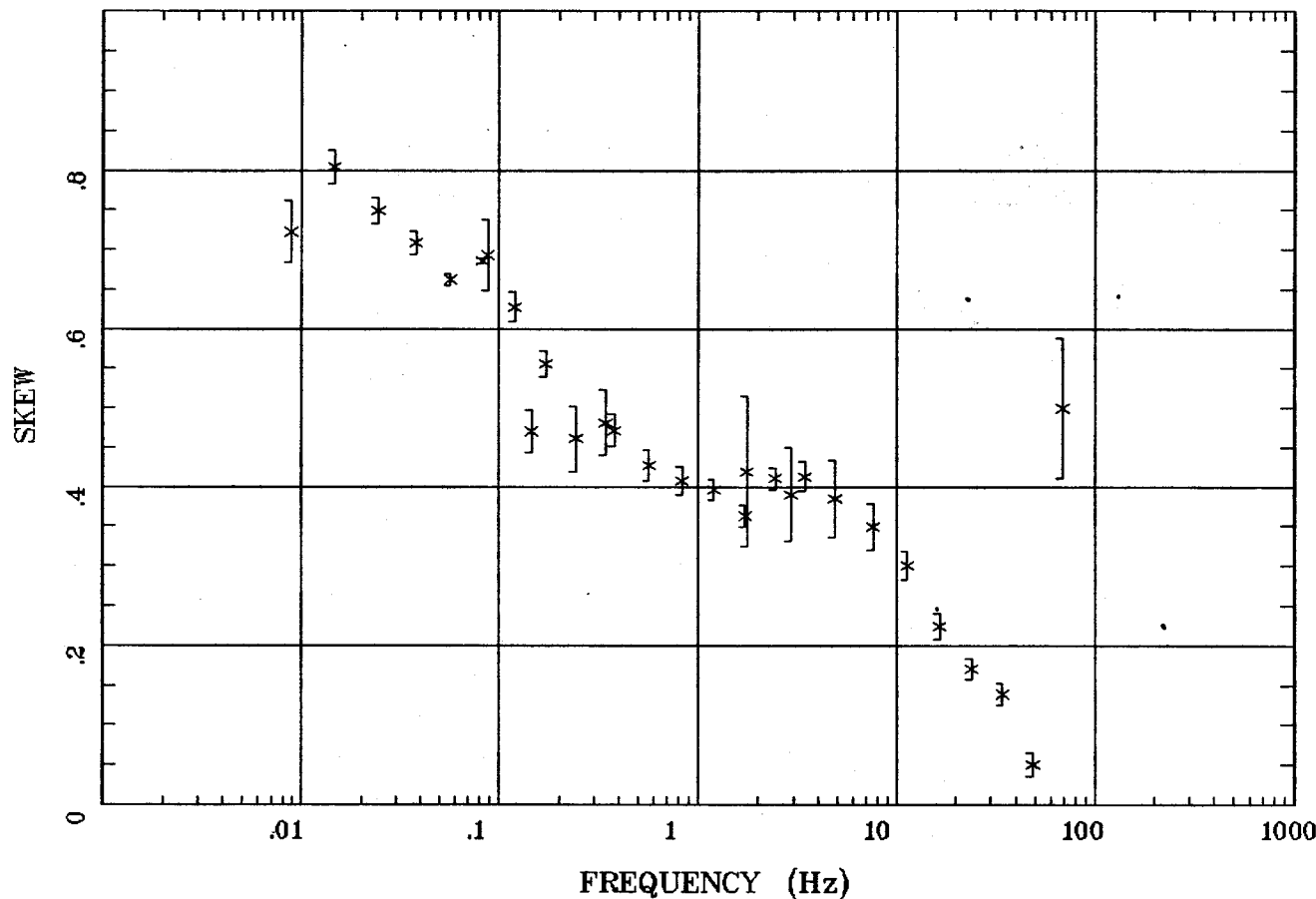
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



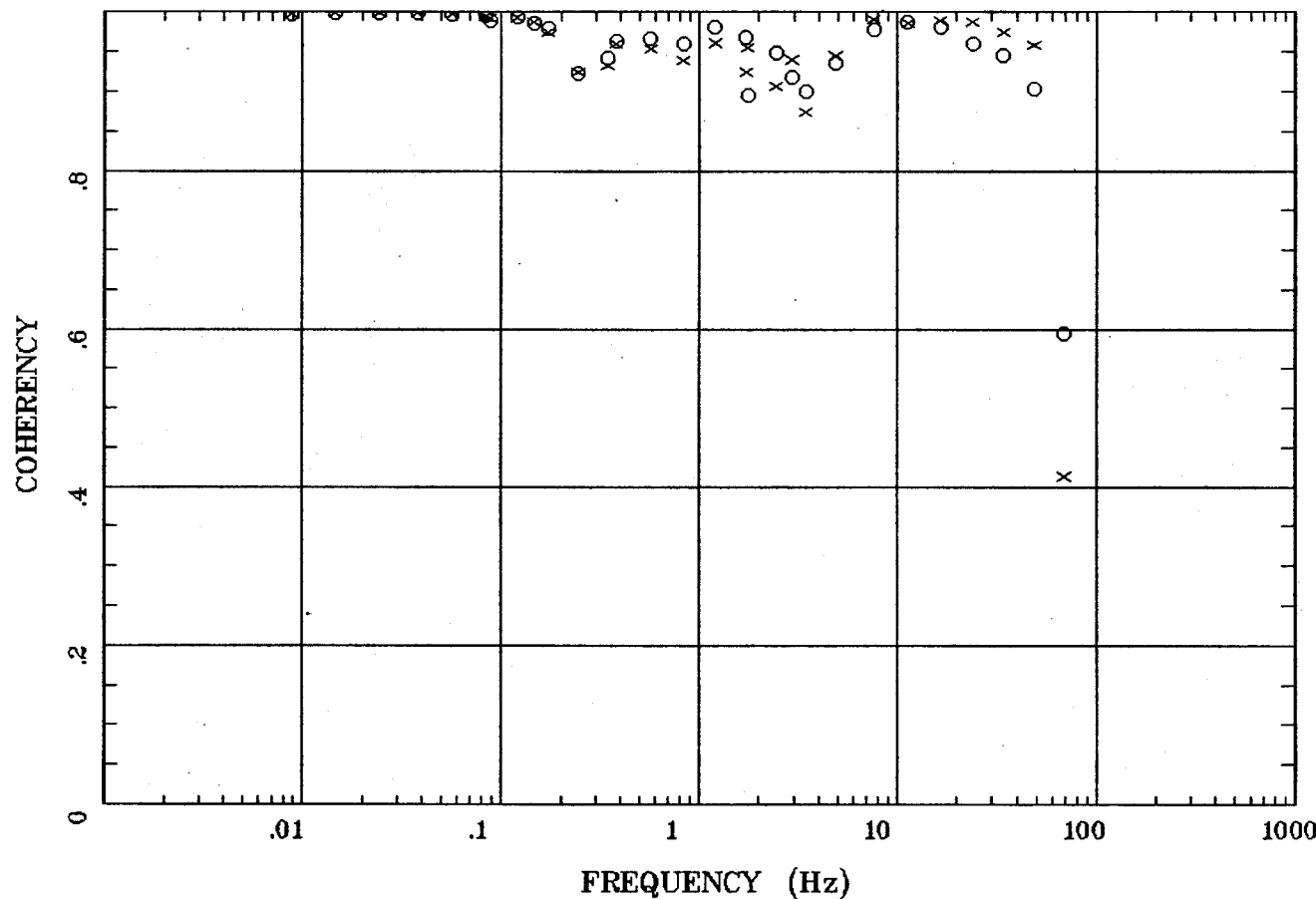
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



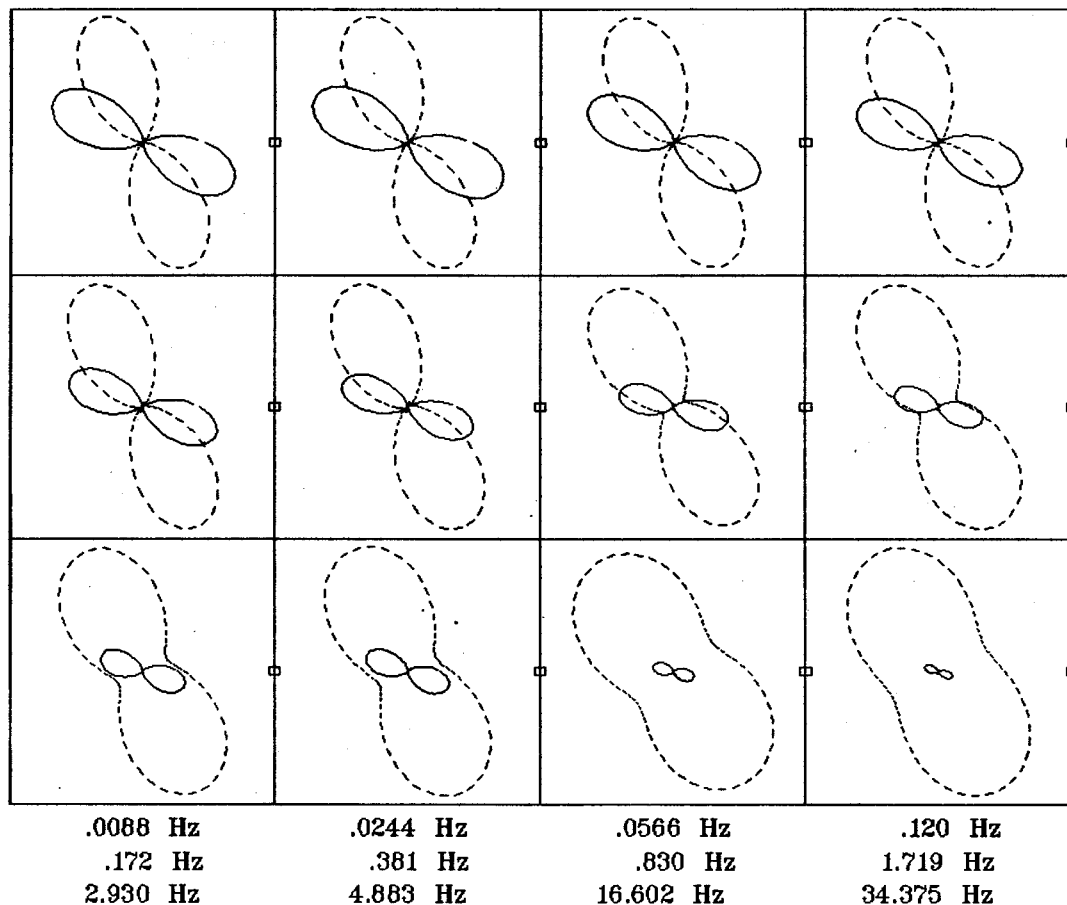
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



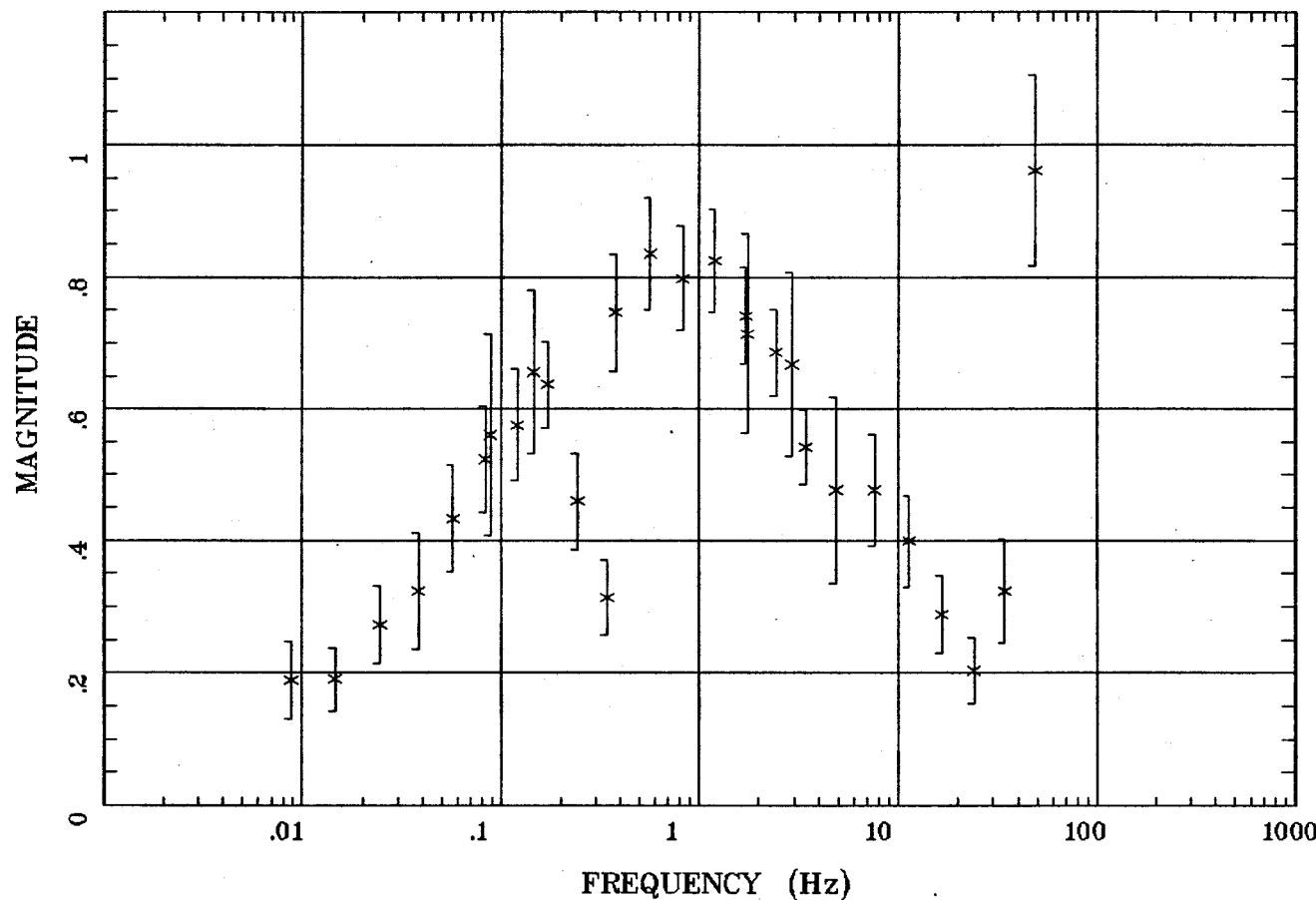
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:25 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



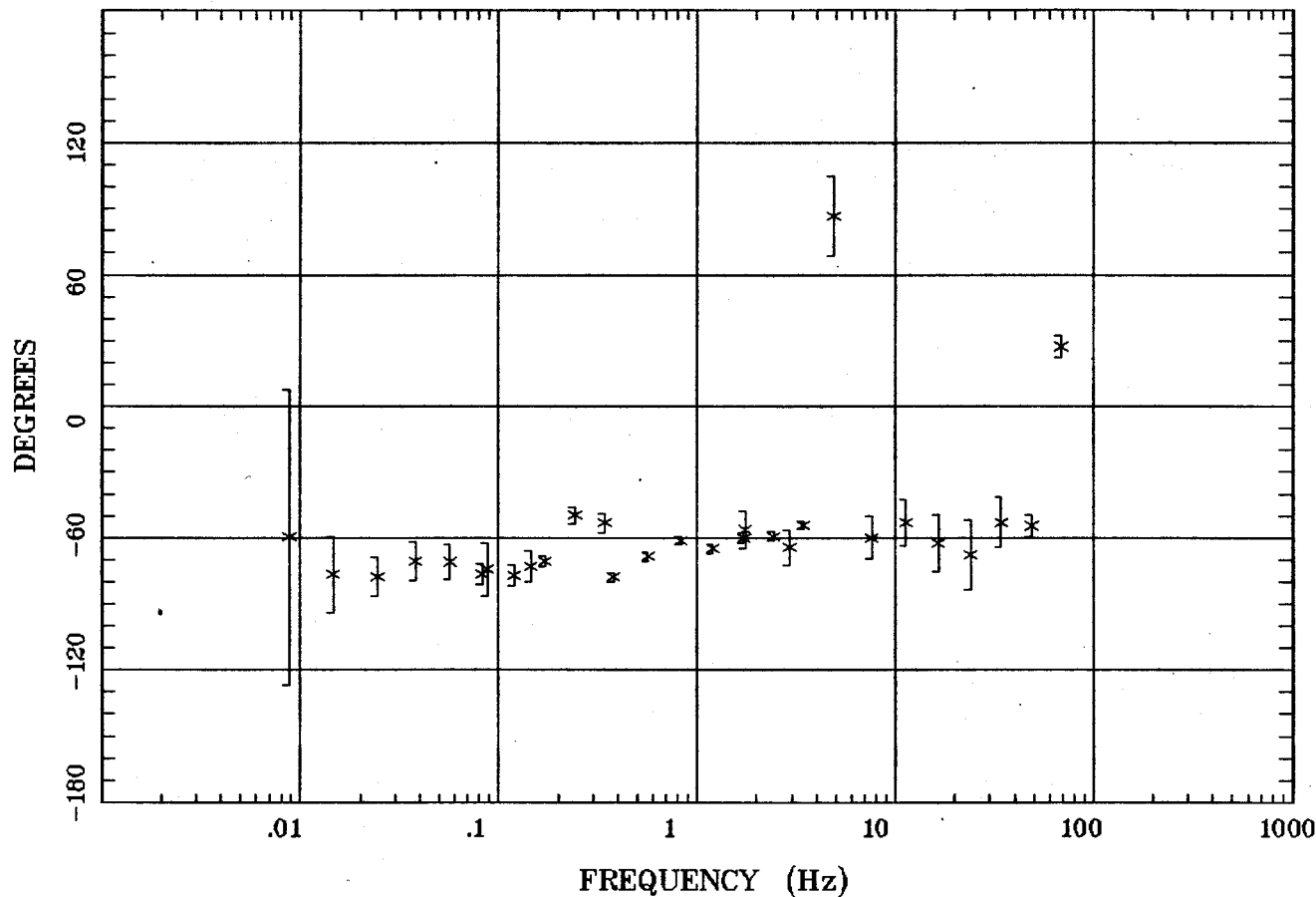
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld N 90m

Acquired: 10:2 Sep 18, 2003

Survey Co:USGS

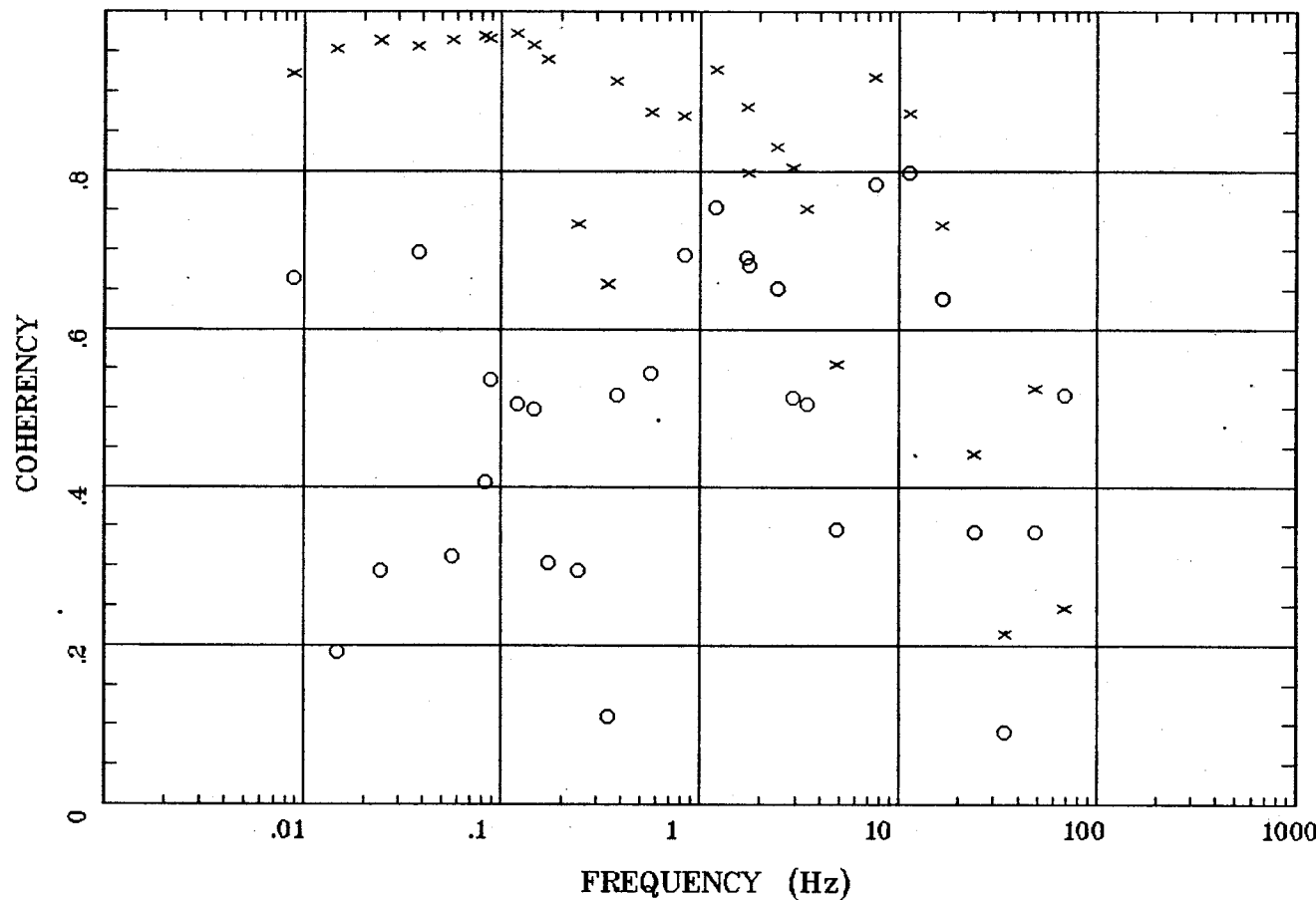
Rotation:

Filename: ap24mall.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

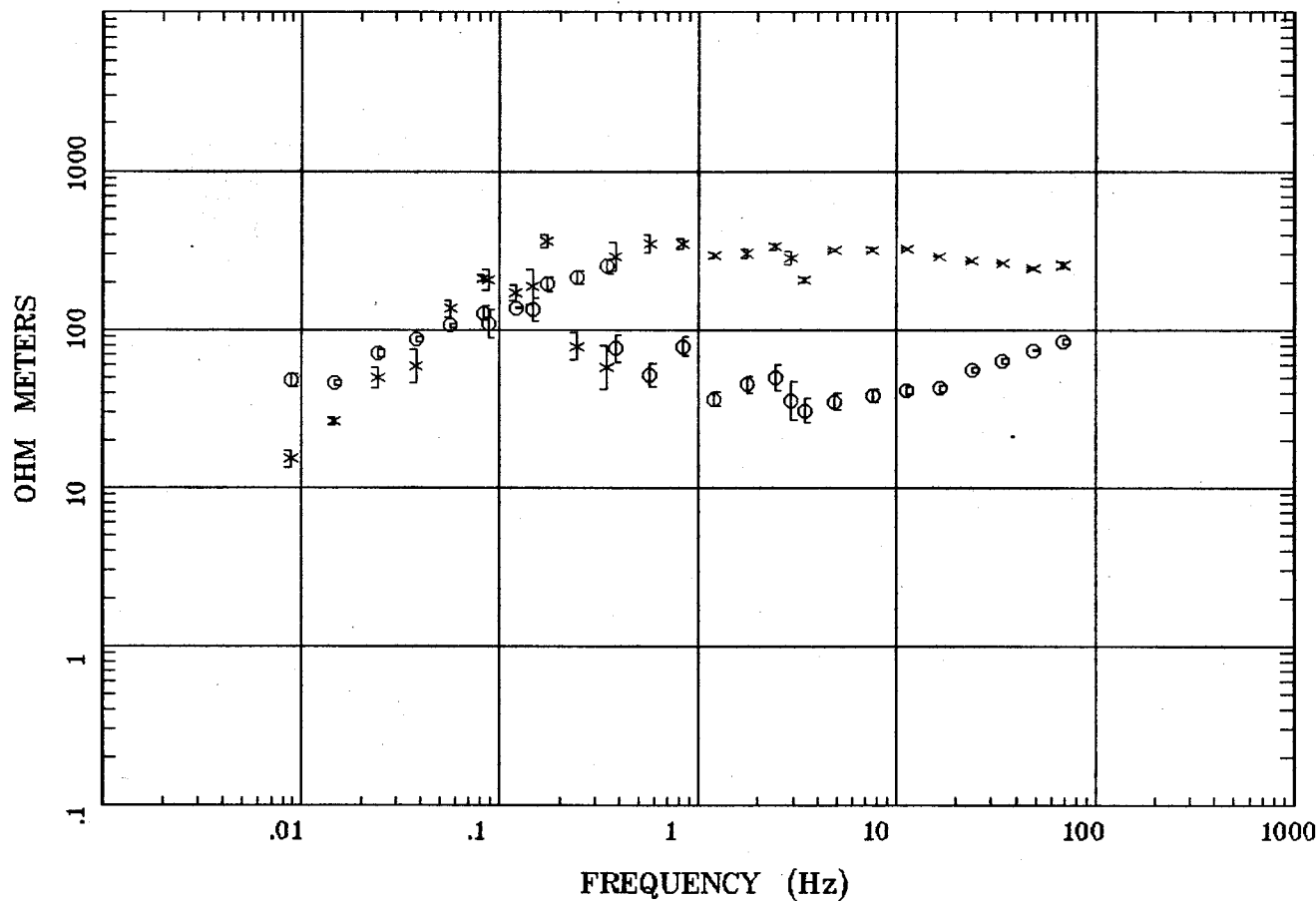
Plotted: 11:26 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



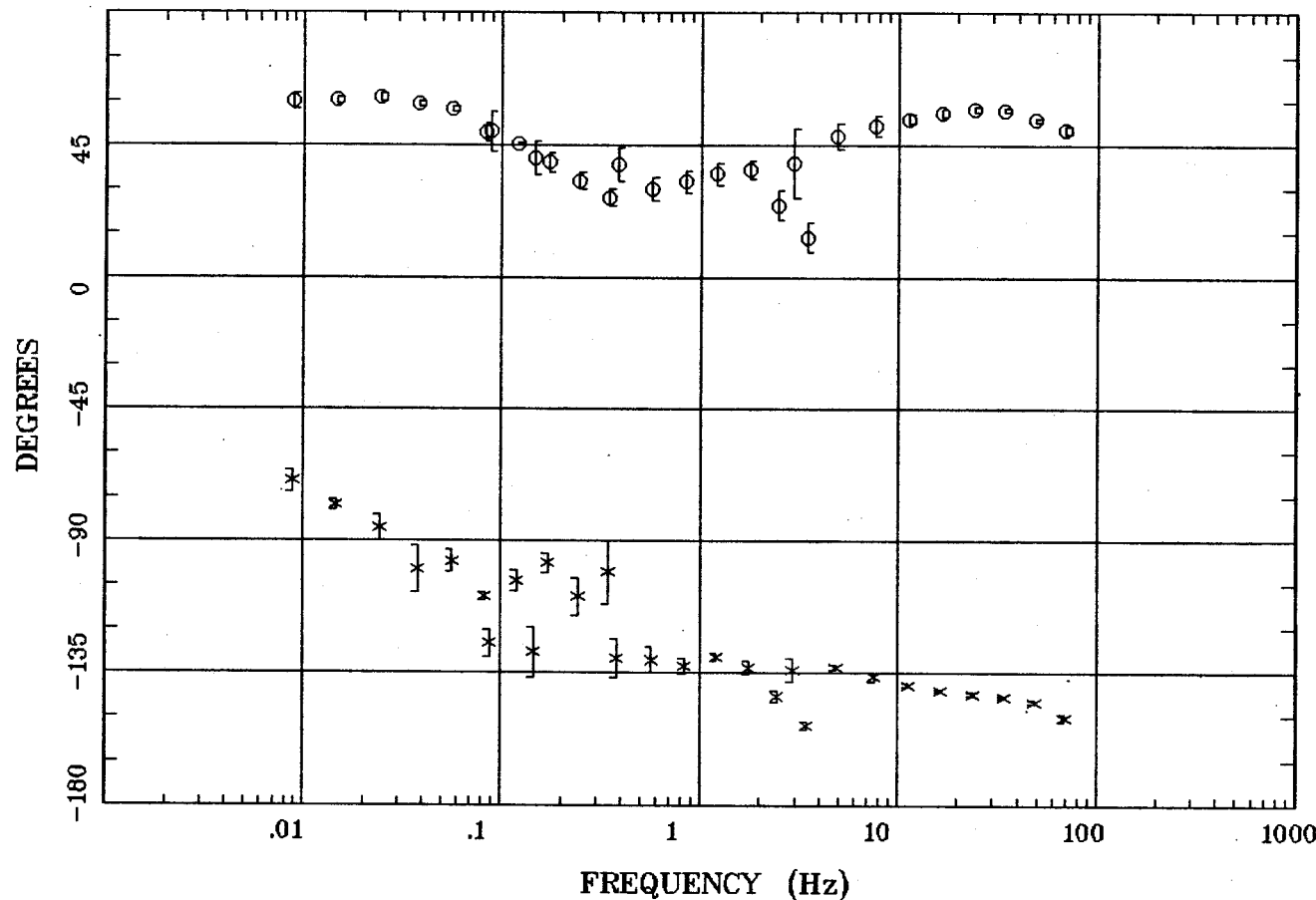
Client:
Remote: e-fld N 90m
Acquired: 10:2 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap24mall.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



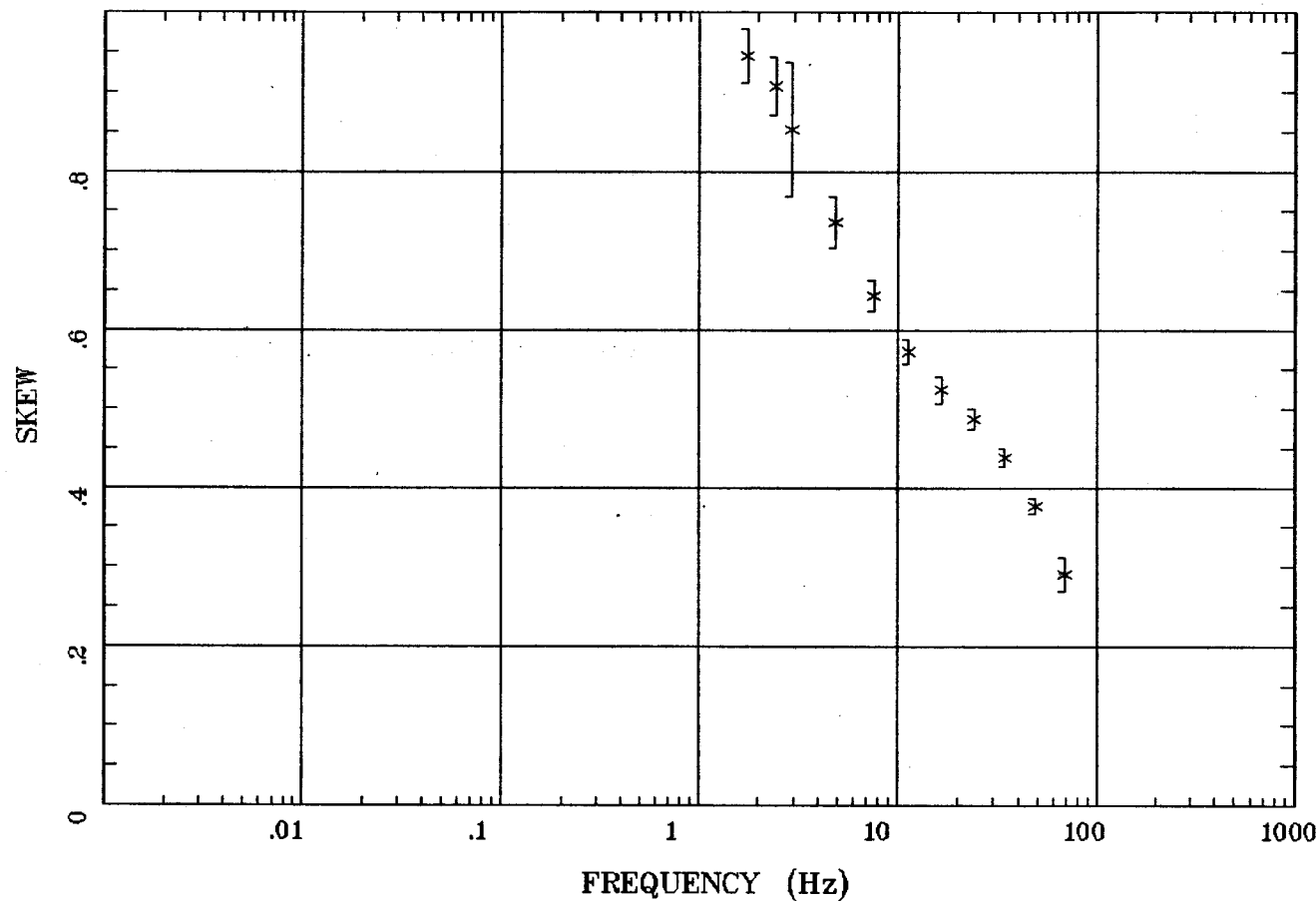
Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



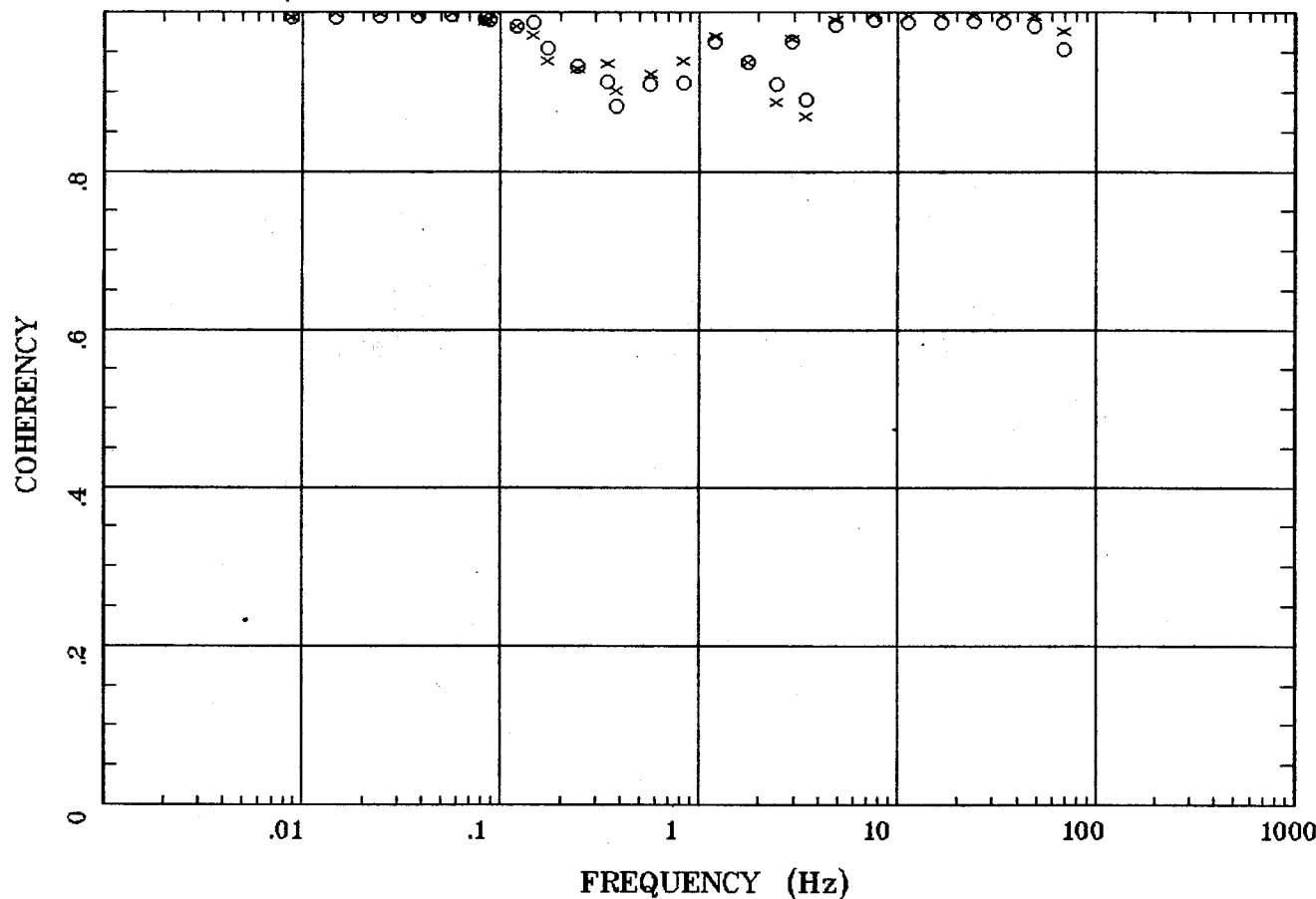
Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



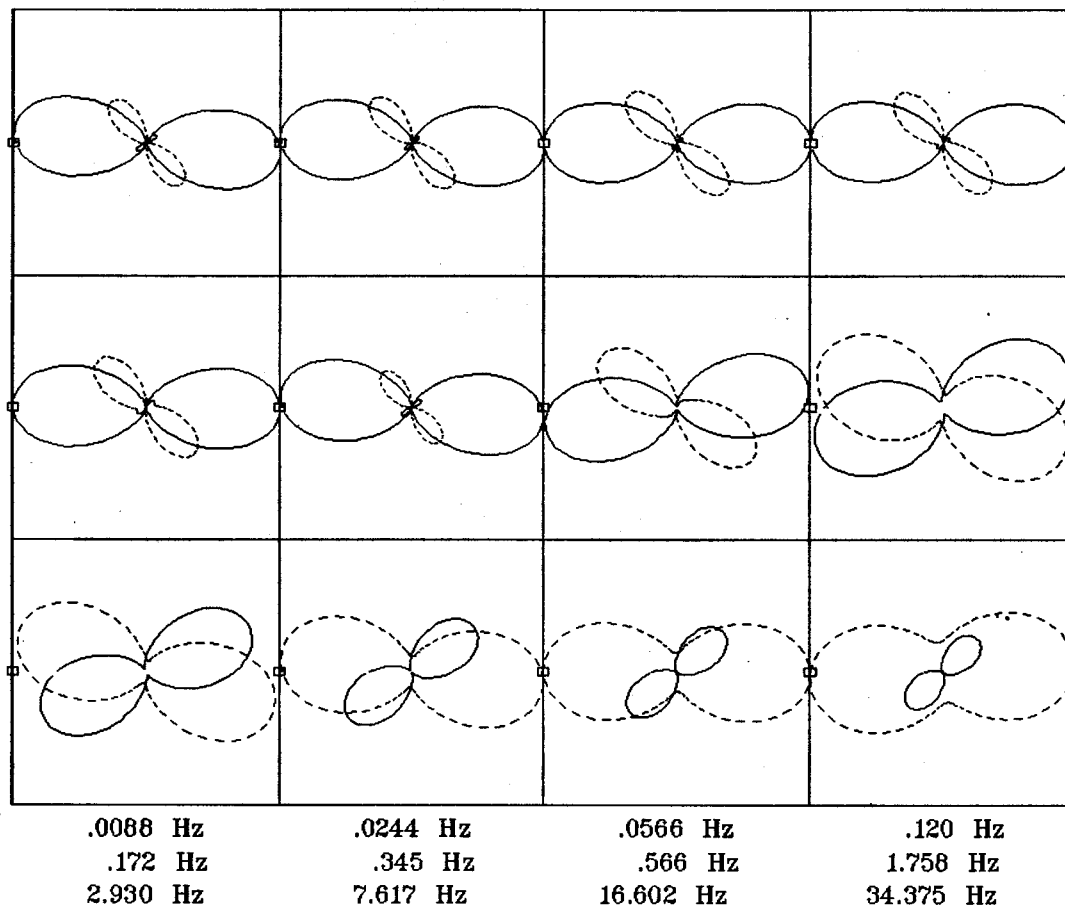
Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:26 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:

Remote: e-fld N 90m

Acquired: 14:4 Sep 18, 2003

Survey Co:USGS

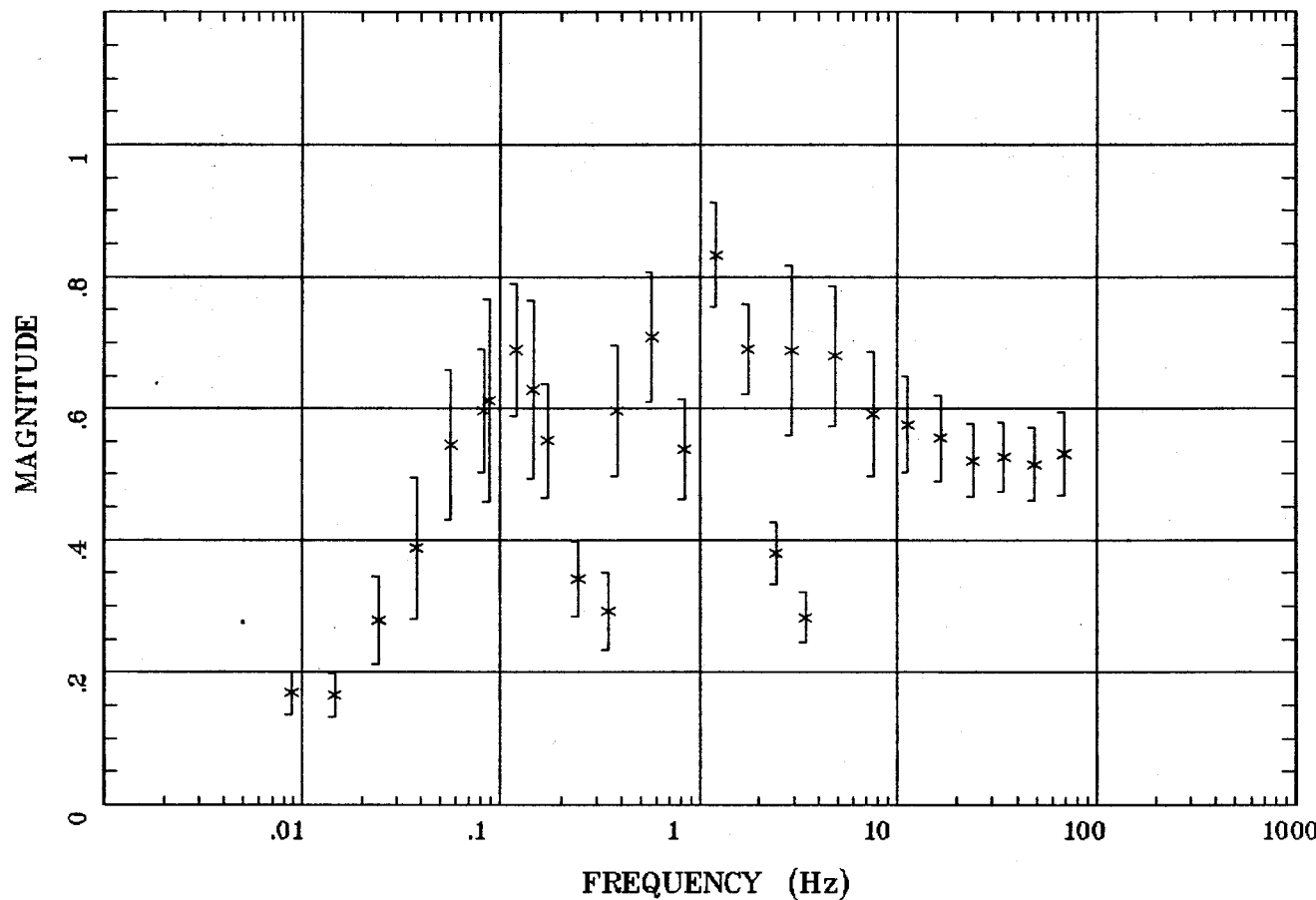
Rotation:

Filename: ap25m.avg

Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7

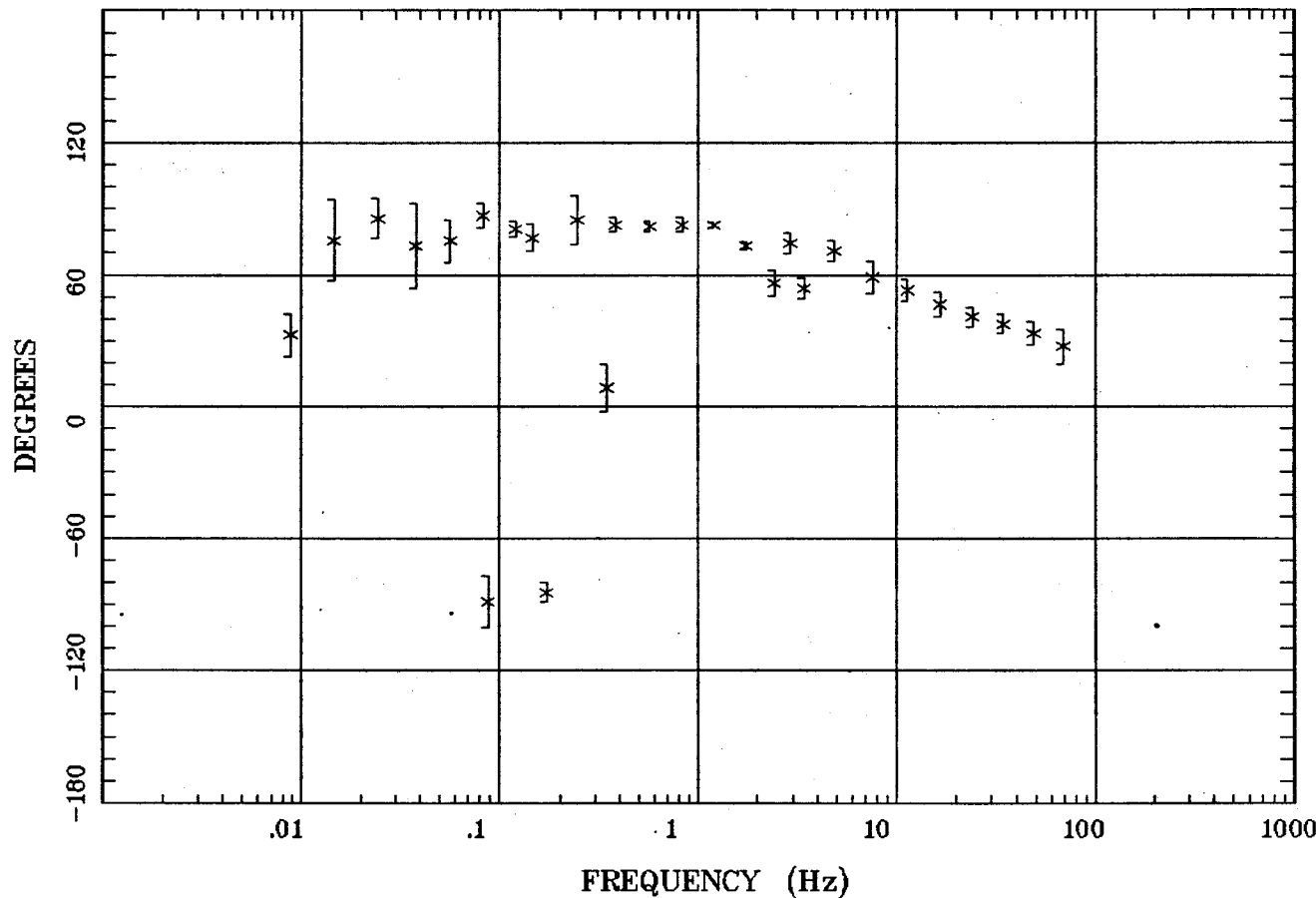
Plotted: 11:27 Sep 24, 2003

< EMI - ElectroMagnetic Instruments >



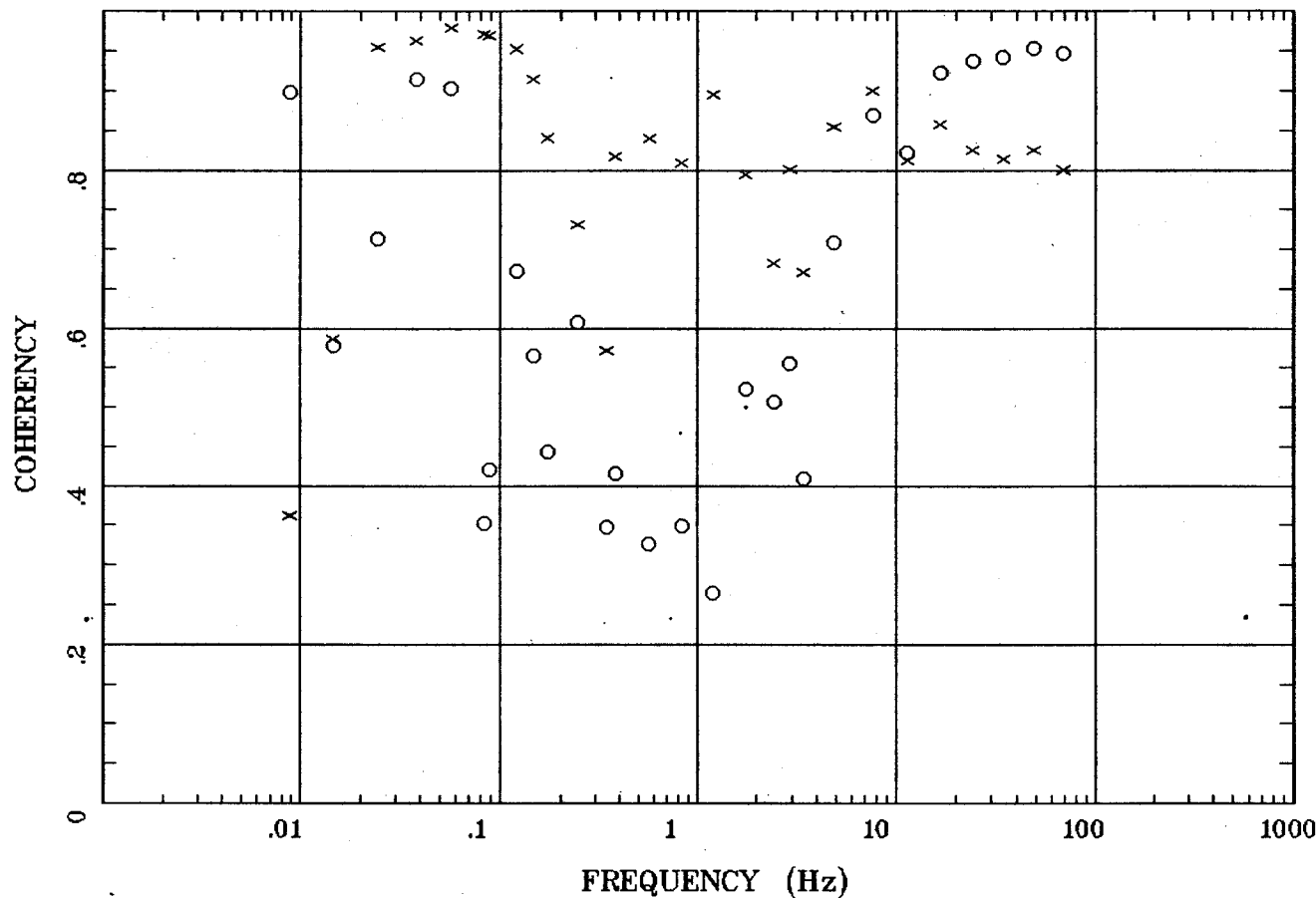
Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
Survey Co:USGS

Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
Plotted: 11:27 Sep 24, 2003
< EMI - ElectroMagnetic Instruments >



Client:
Remote: e-fld N 90m
Acquired: 14:4 Sep 18, 2003
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Rotation:
Filename: ap25m.avg
Channels: Ch1 Ch2 Ch3 Ch4 Ch5 Ch6 Ch7
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< EMI - ElectroMagnetic Instruments >