

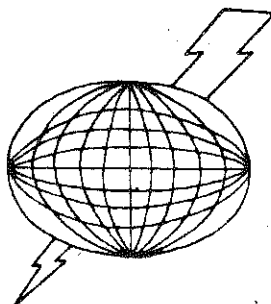
TEC-13

DATA  
TELLURIC AND MAGNETOTELLURIC SURVEY  
AT  
GRAND VIEW EAST  
OWYHEE CO., IDAHO

for  
AMAX EXPLORATION, INC.

May 1978

by  
Aldo Mazzella



**TERRAPHYSICS**  
815 SOUTH TENTH STREET  
RICHMOND, CALIFORNIA 94804  
(415) 234-8961

This binder contains the T-MT data and the one dimensional interpretation for the Grand View East Prospect, Idaho survey

<u>Stations</u>	<u>Pages</u>
M1 Computer Plots	1-4
A1	5-8
B1	9-12
M2	13-16
A2	17-20
M3	21-24
A3	25-28

One dimensional Inversion of TE Mode

M1	29
A1	30
B1	31
M2	32
A2	33
M3	34
A3	35

Located in the pocket at the back of the binder

Location Maps(1:24000 and 1:62500 scales)

Tipper, strike and TE Mode axis directions at  $T \sim 30$ secs.

Resistivity section Line AA'

SYMBOLS USED IN PLOTS

Rotated Apparent Resistivities    ●    X Axis  
   ▼    Y Axis

Z Rotation                    X

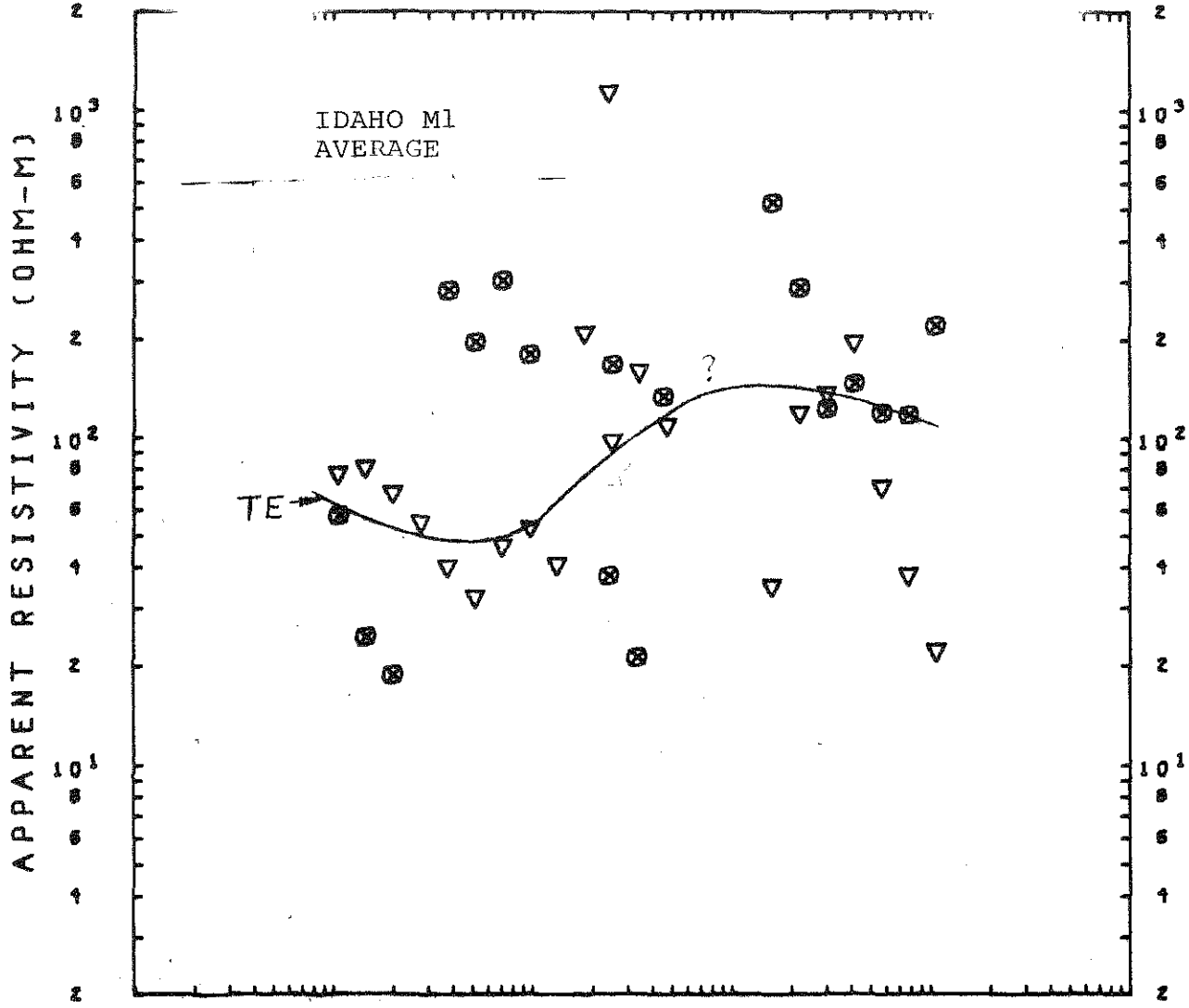
Z Skew                        \*

Tipper                         X

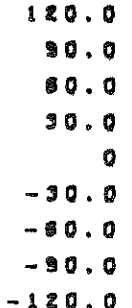
Tipper Rotation \*

Tipper Skew                 X

Phase, Rotated Axis            ●    X Axis  
   ▼    Y Axis



Z-ROTATION



Z - SKEW

TIPPER



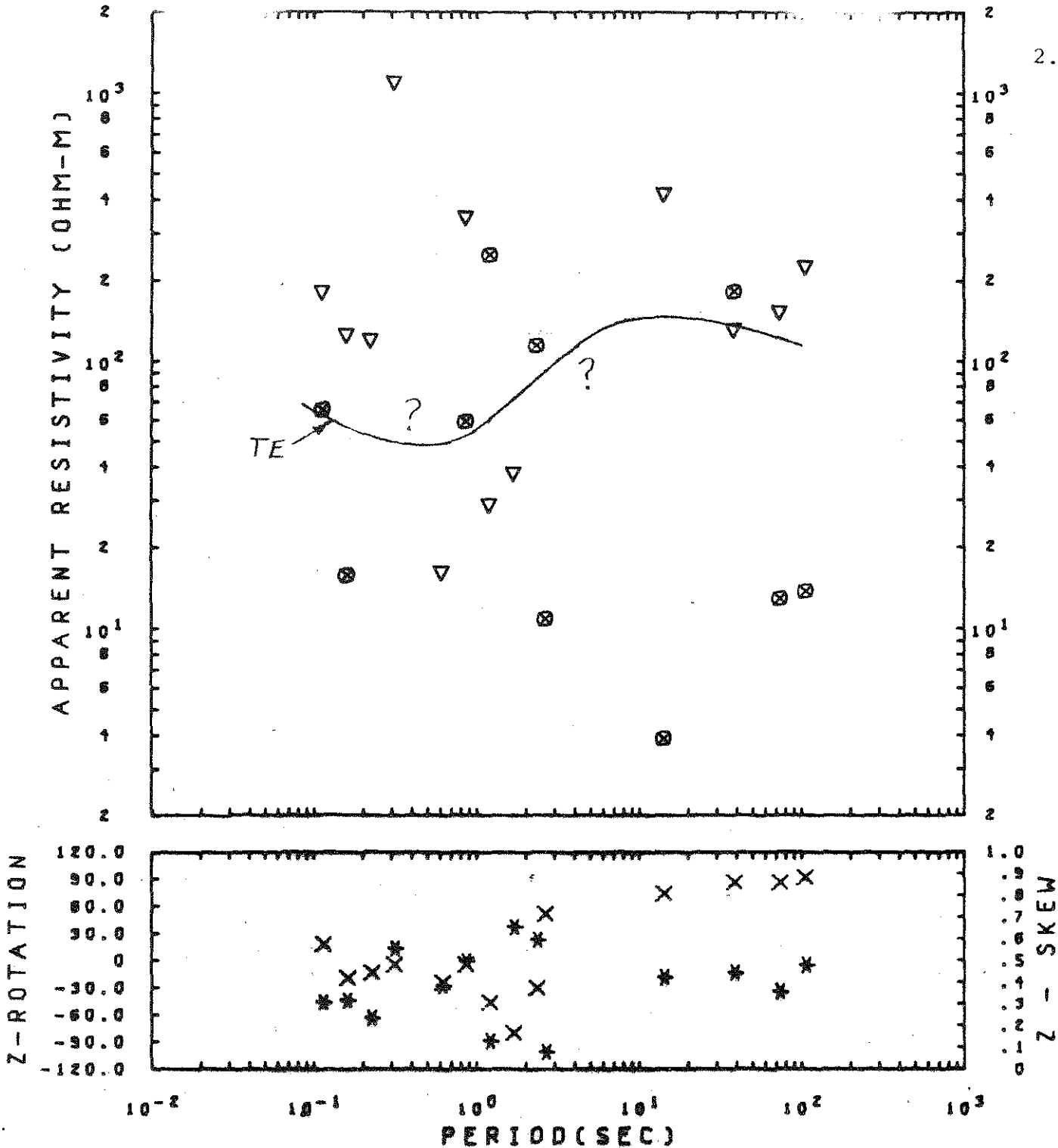
TIPPER ROTATION

TIPPER SKEW



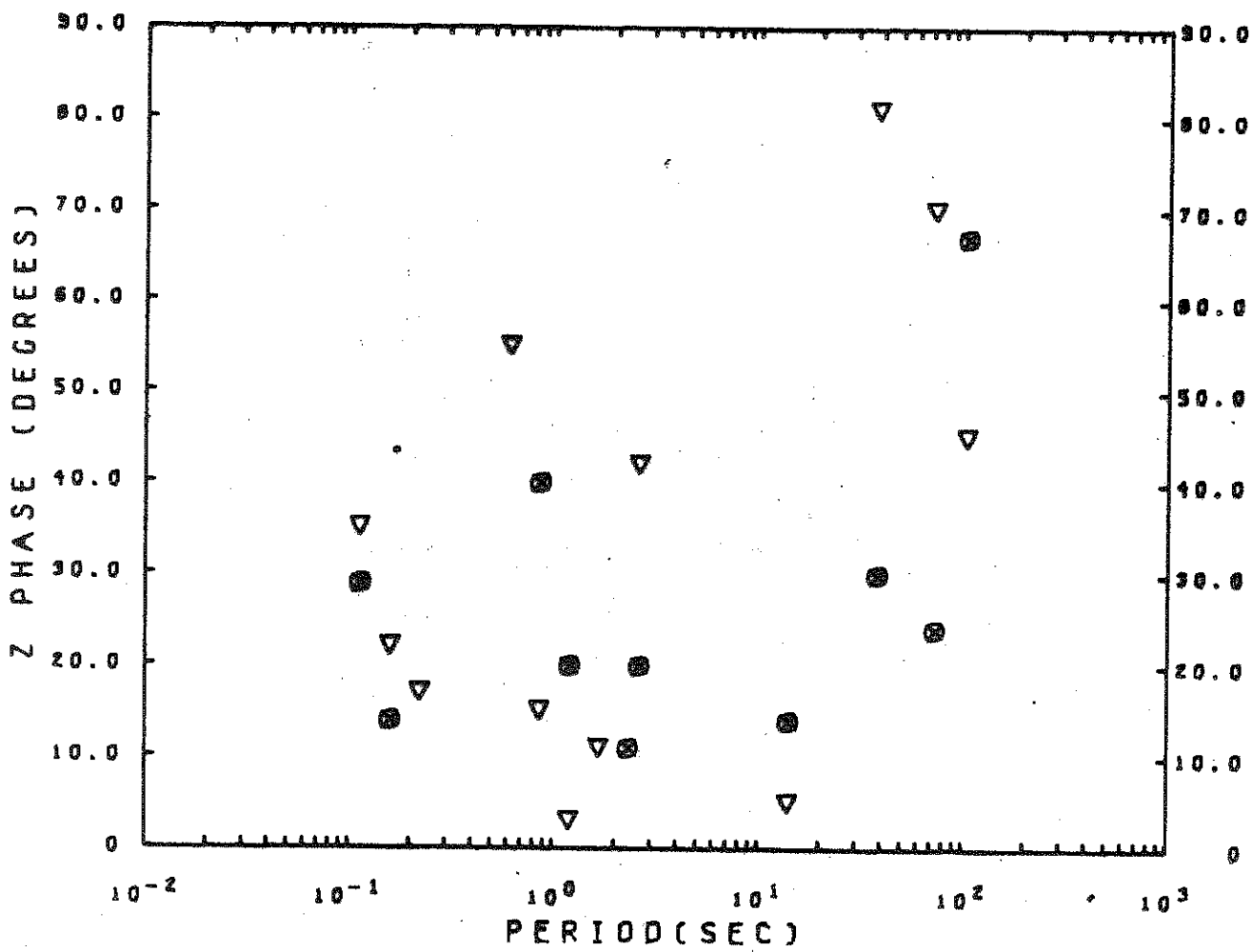
PERIOD (SEC)



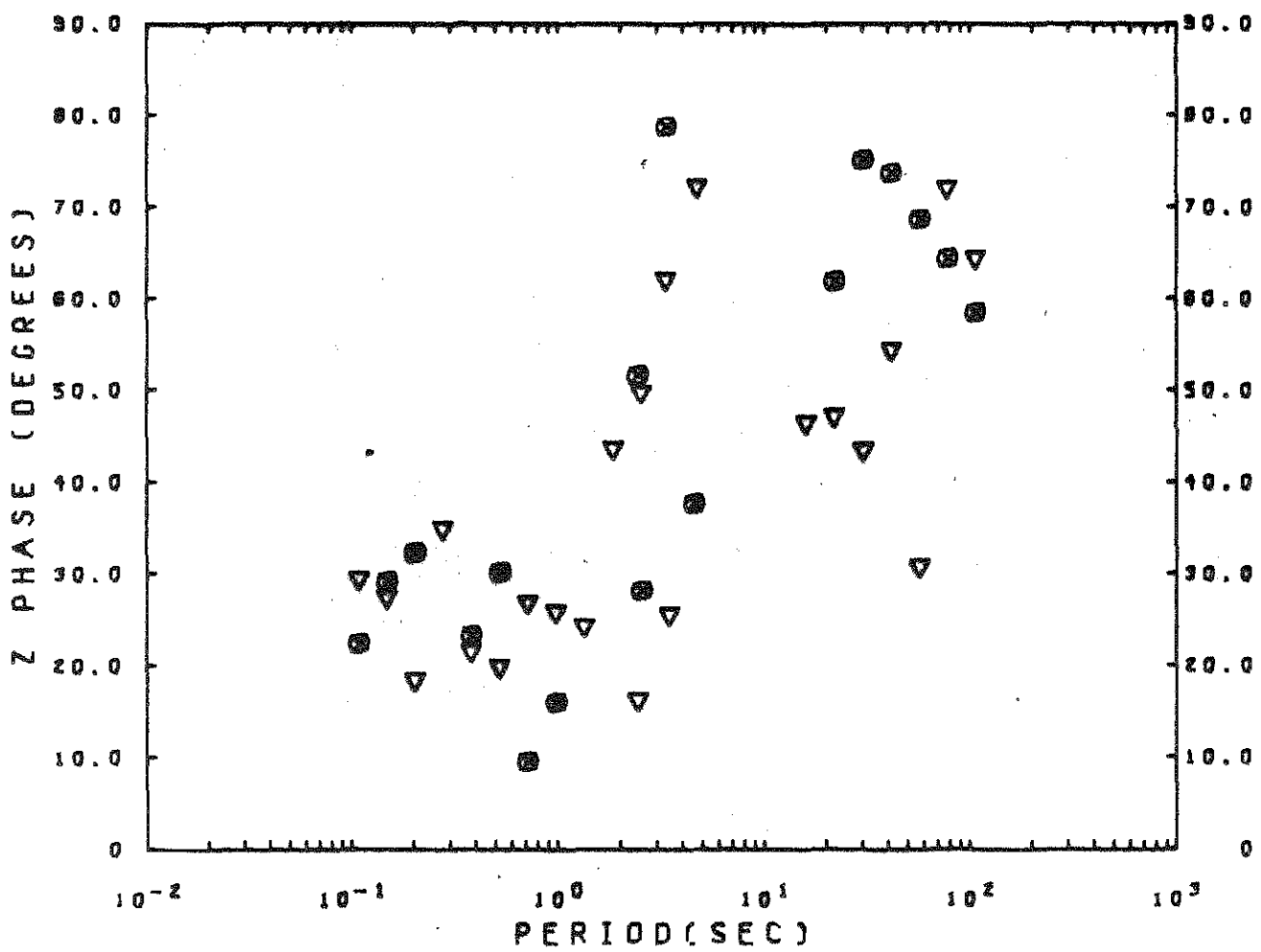


IDAHO M1  
REMOTE

IDAHO M1  
REMOTE

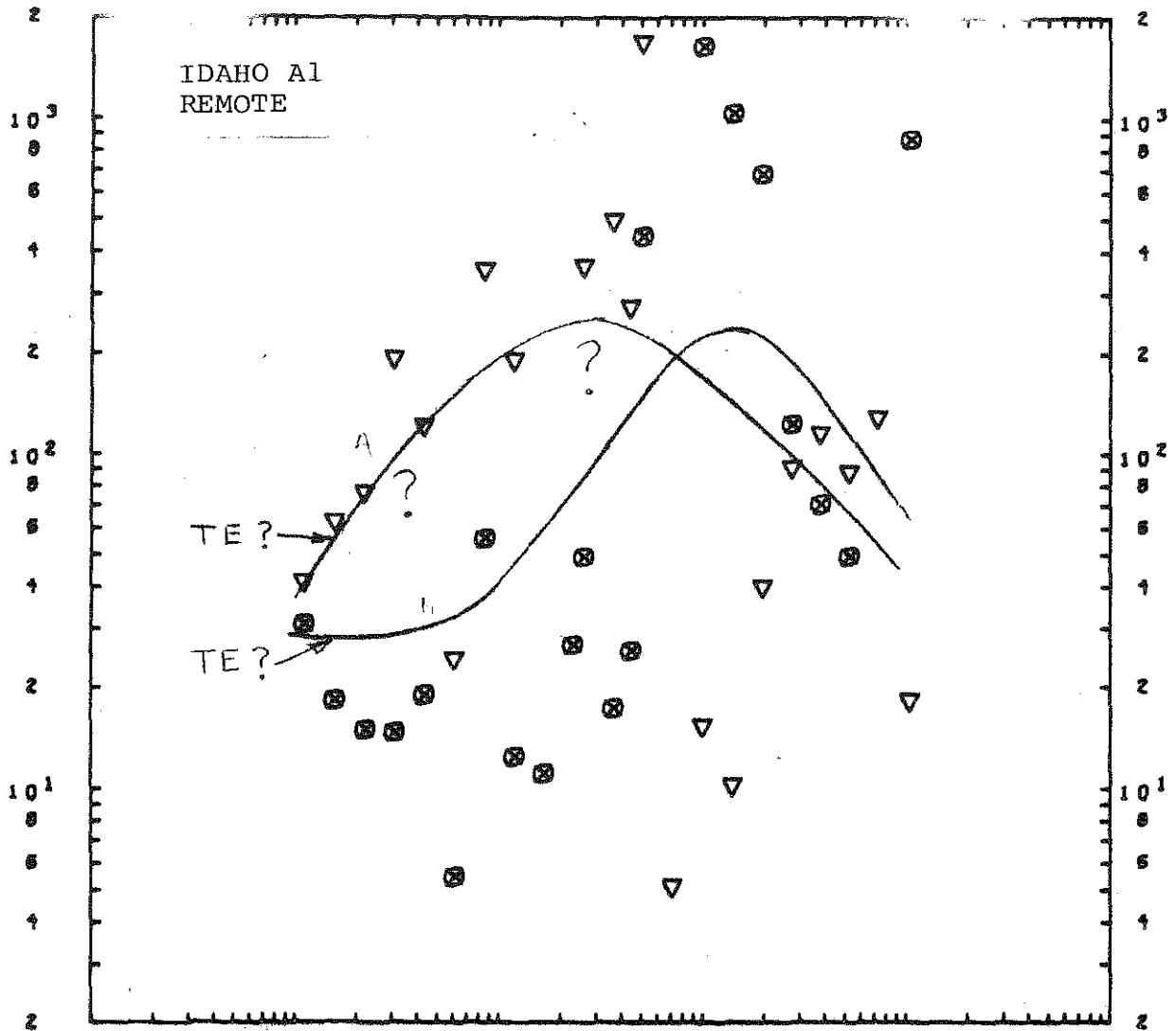


IDAHO M1  
AVERAGE



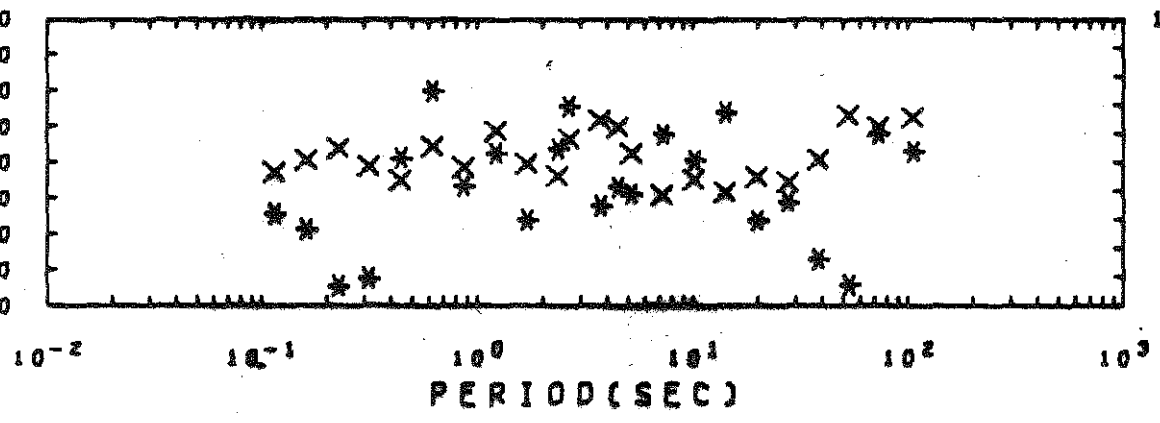
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REMOTE

APPARENT RESISTIVITY (OHM-M)

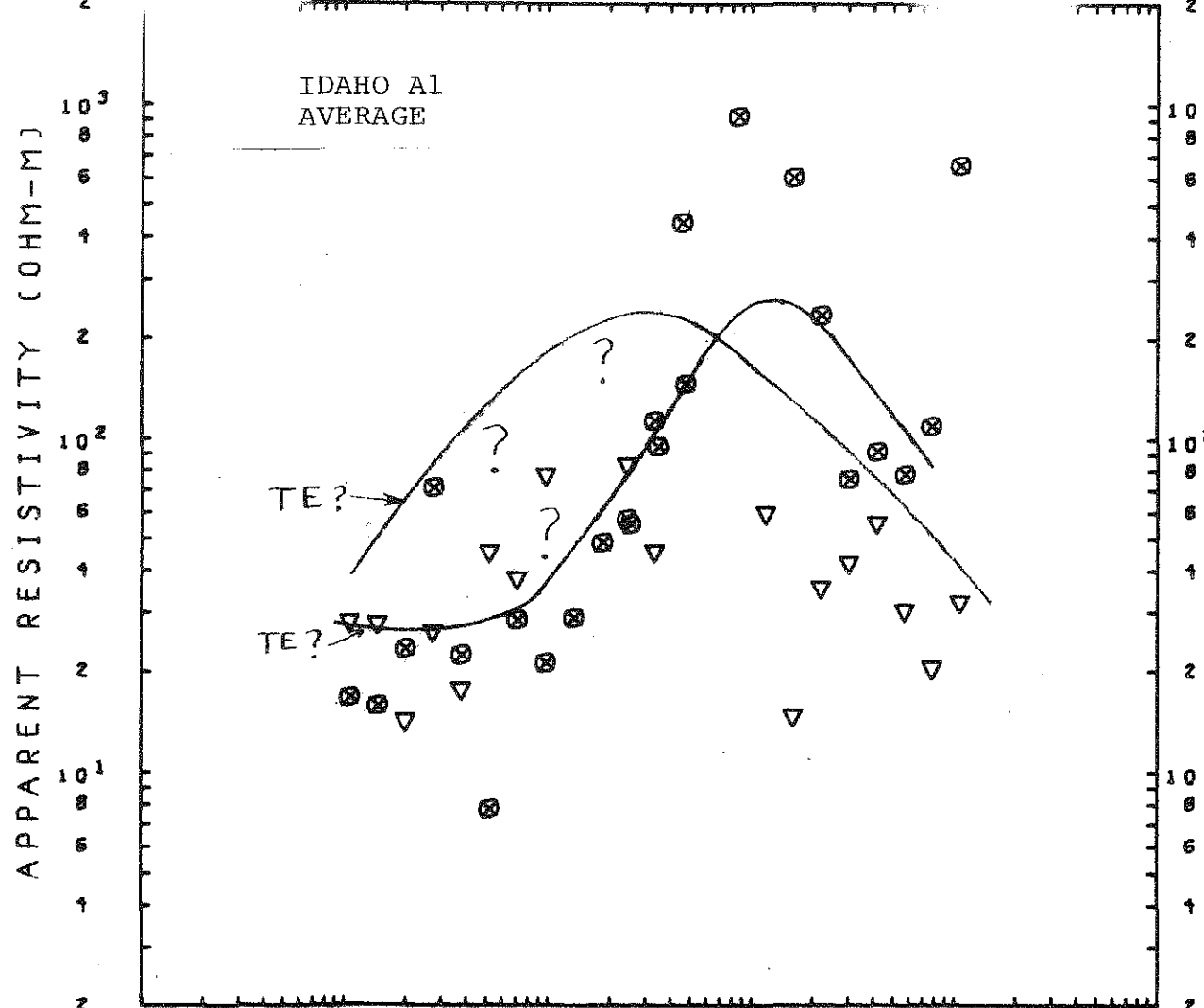


Z-ROTATION

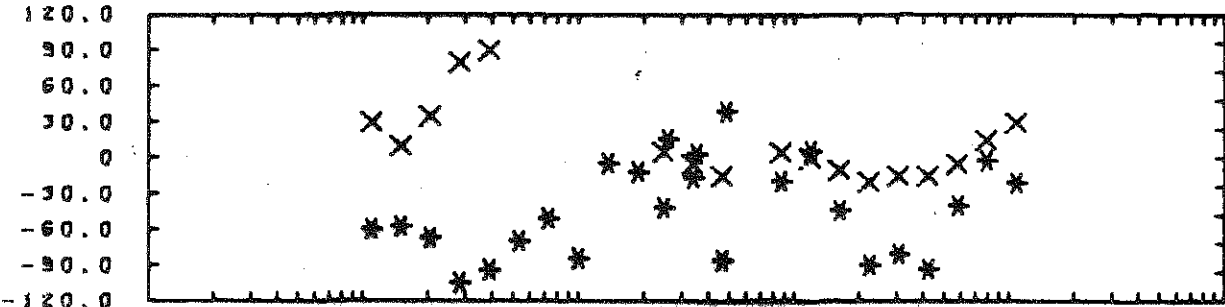
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90.0  
60.0  
30.0  
0.0  
-30.0  
-60.0  
-90.0  
-120.0



Z - SKEW  
1.0  
0.5  
0.0  
-0.5  
-1.0



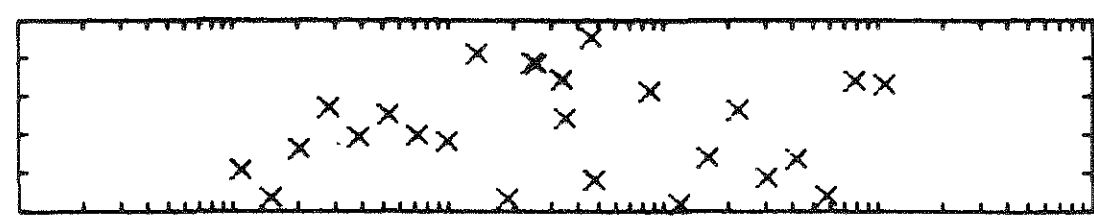
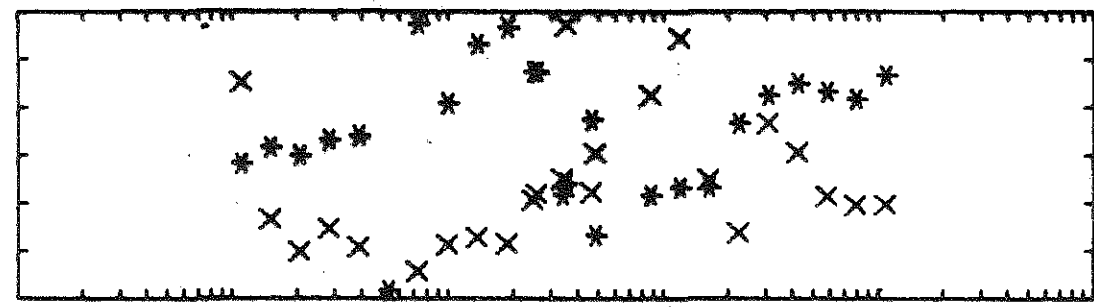
Z-ROTATION



Z - SKEW

TIPPER

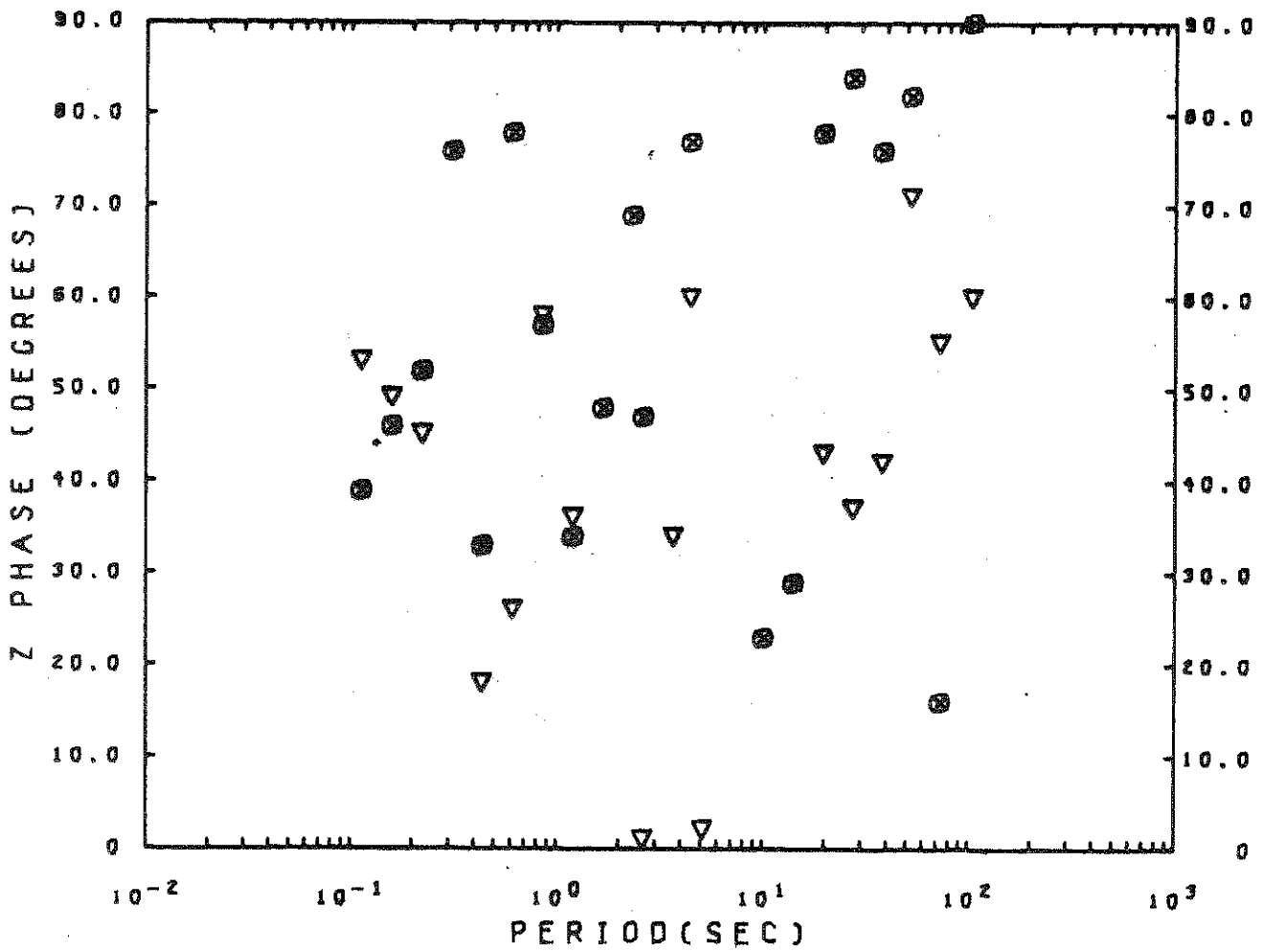
TIPPER SKEW



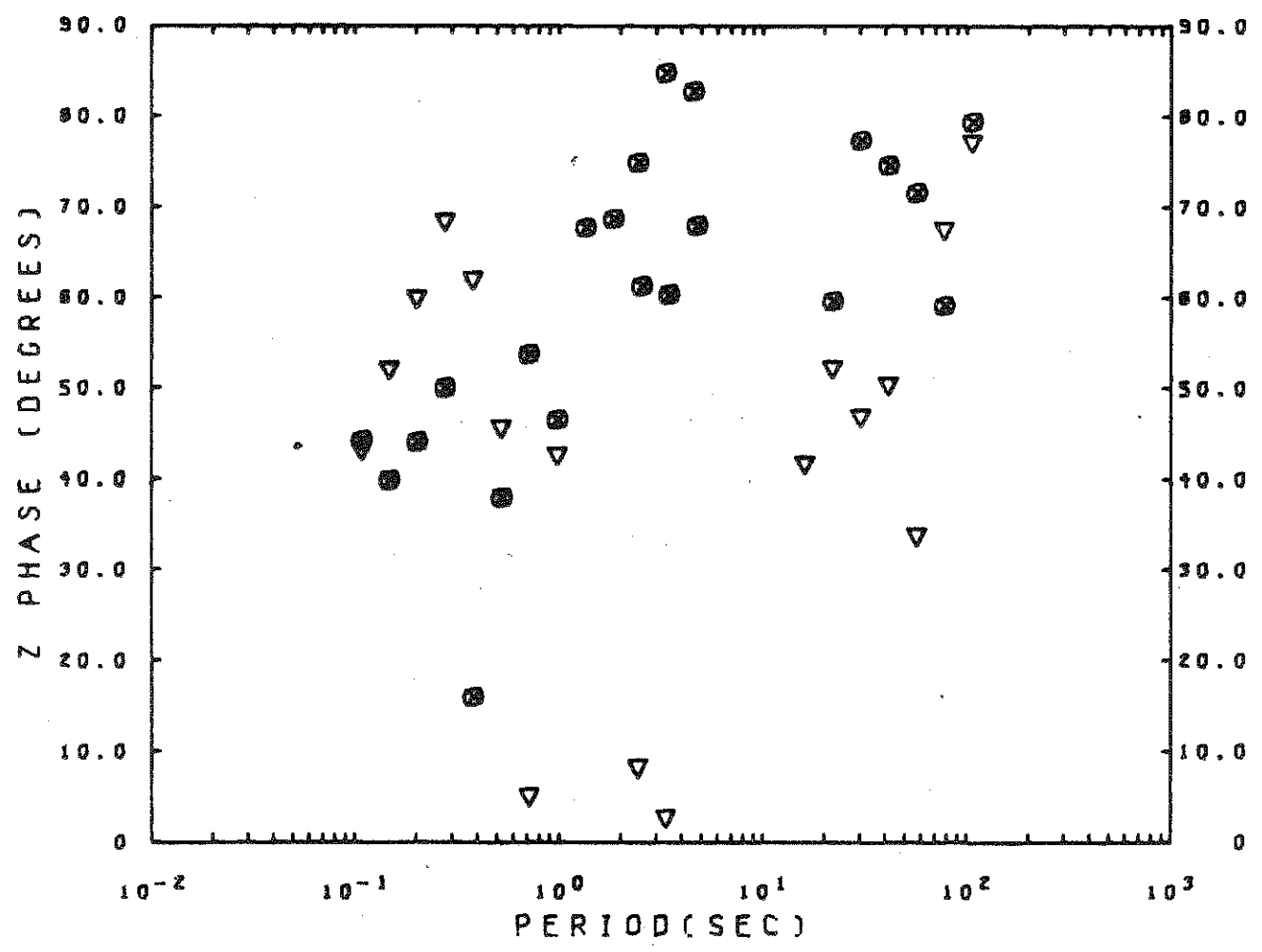
TIPPER ROTATION

PERIOD (SEC)

IDAHO A1  
REMOTE

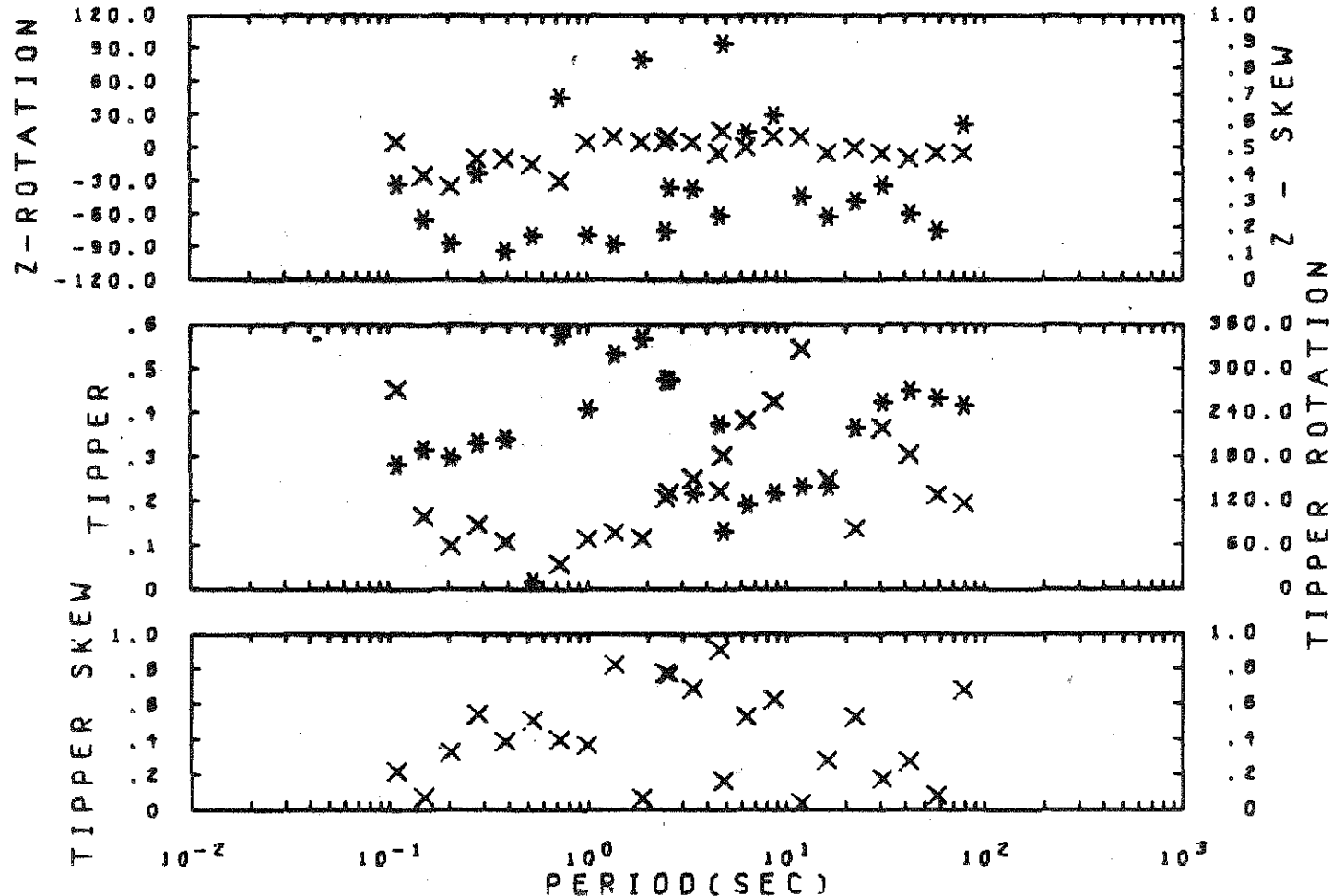
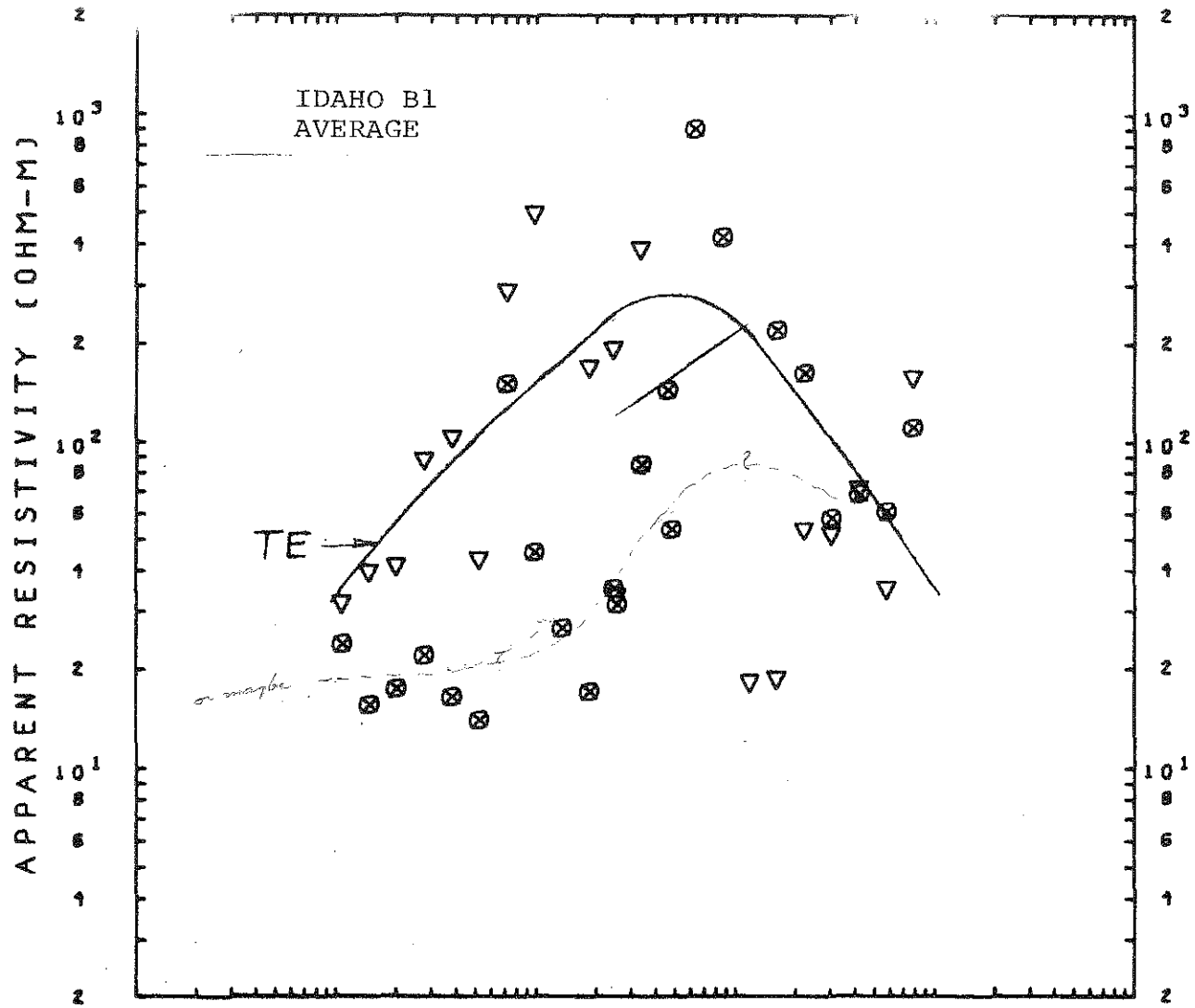


IDAHO A1  
AVERAGE

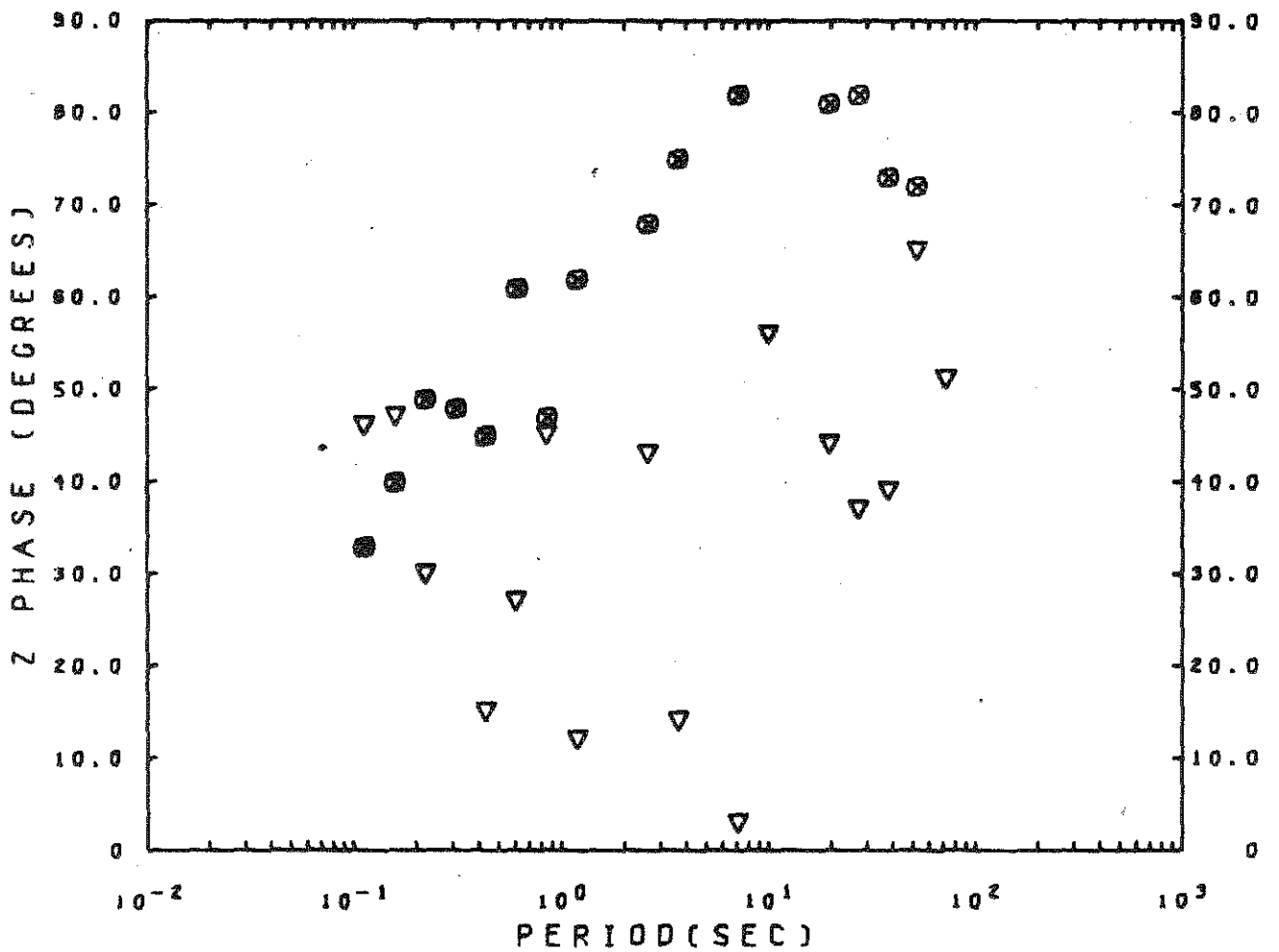




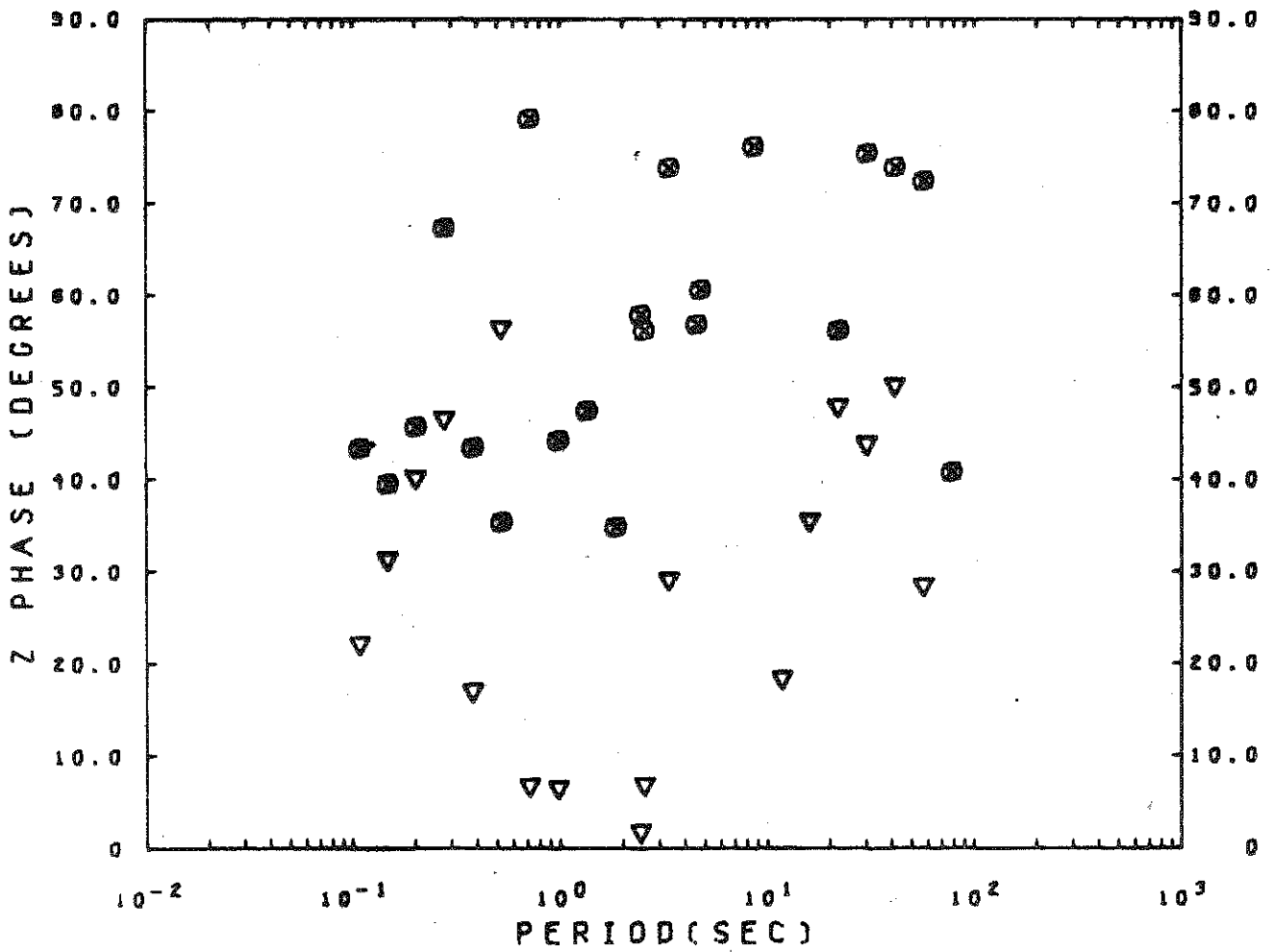


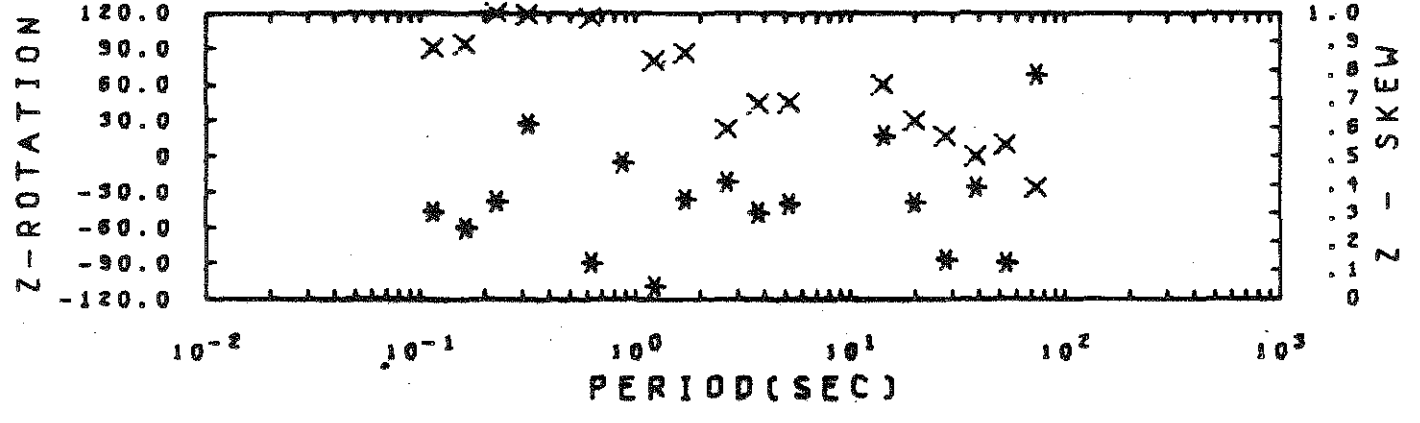
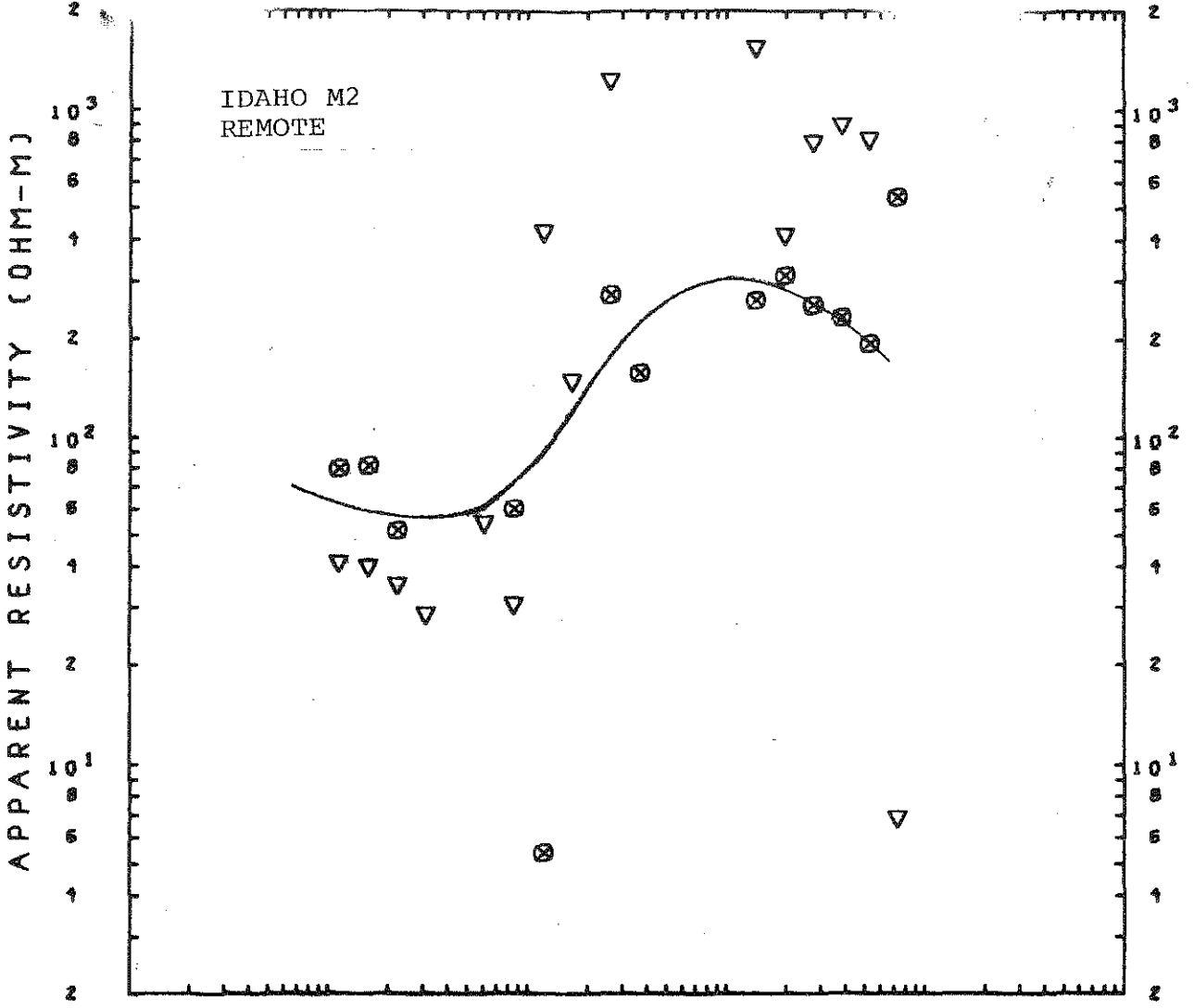


IDAHO B1  
REMOTE

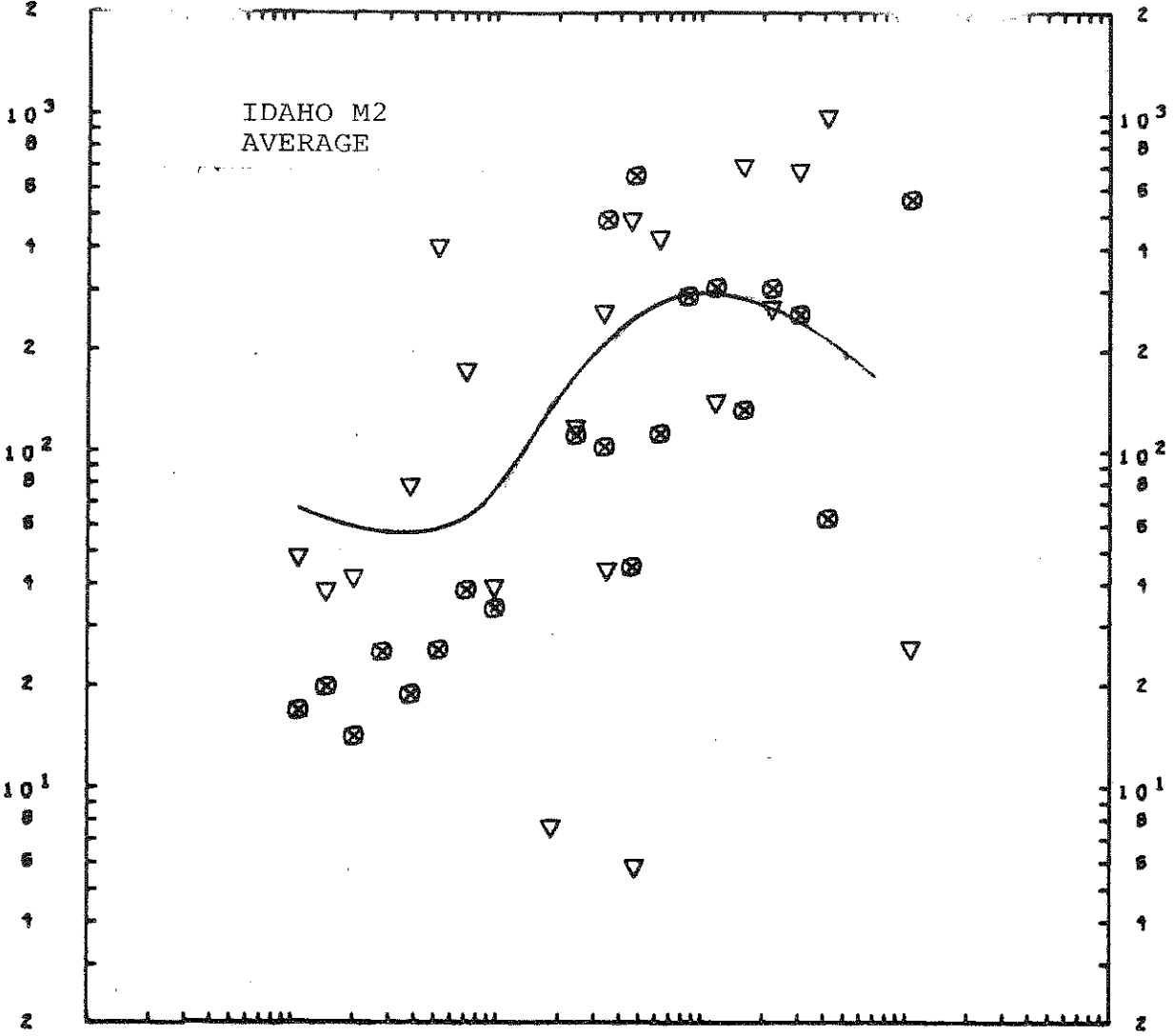


IDAHO B1  
AVERAGE

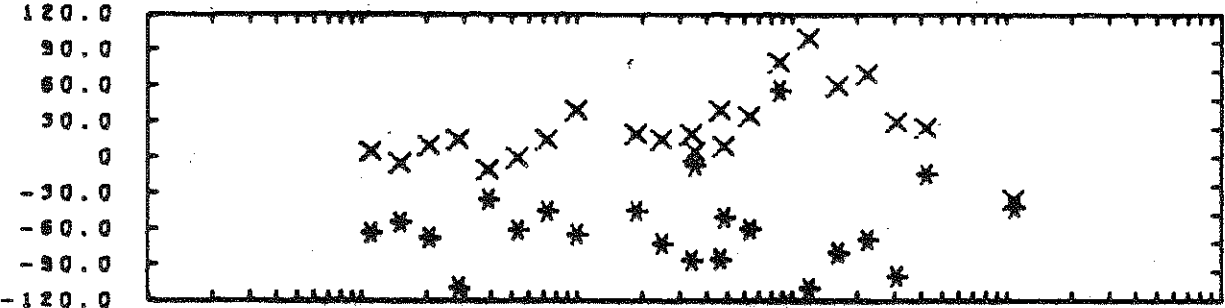




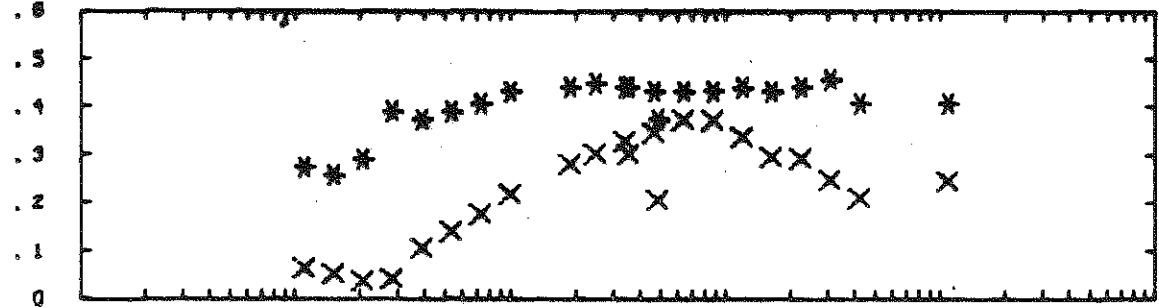
APPARENT RESISTIVITY (OHM-M)



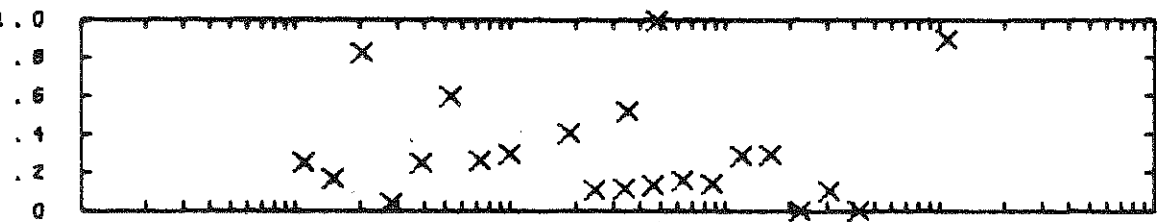
Z-ROTATION



TIPPER SKEW  
TIPPER



TIPPER SKEW



PERIOD (SEC)

Z - SKEW

TIPPER ROTATION

10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>

10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>

200.0  
150.0  
100.0  
50.0  
0  
-50.0  
-100.0  
-150.0  
-200.0

100.0  
50.0  
0  
-50.0  
-100.0  
-150.0  
-200.0

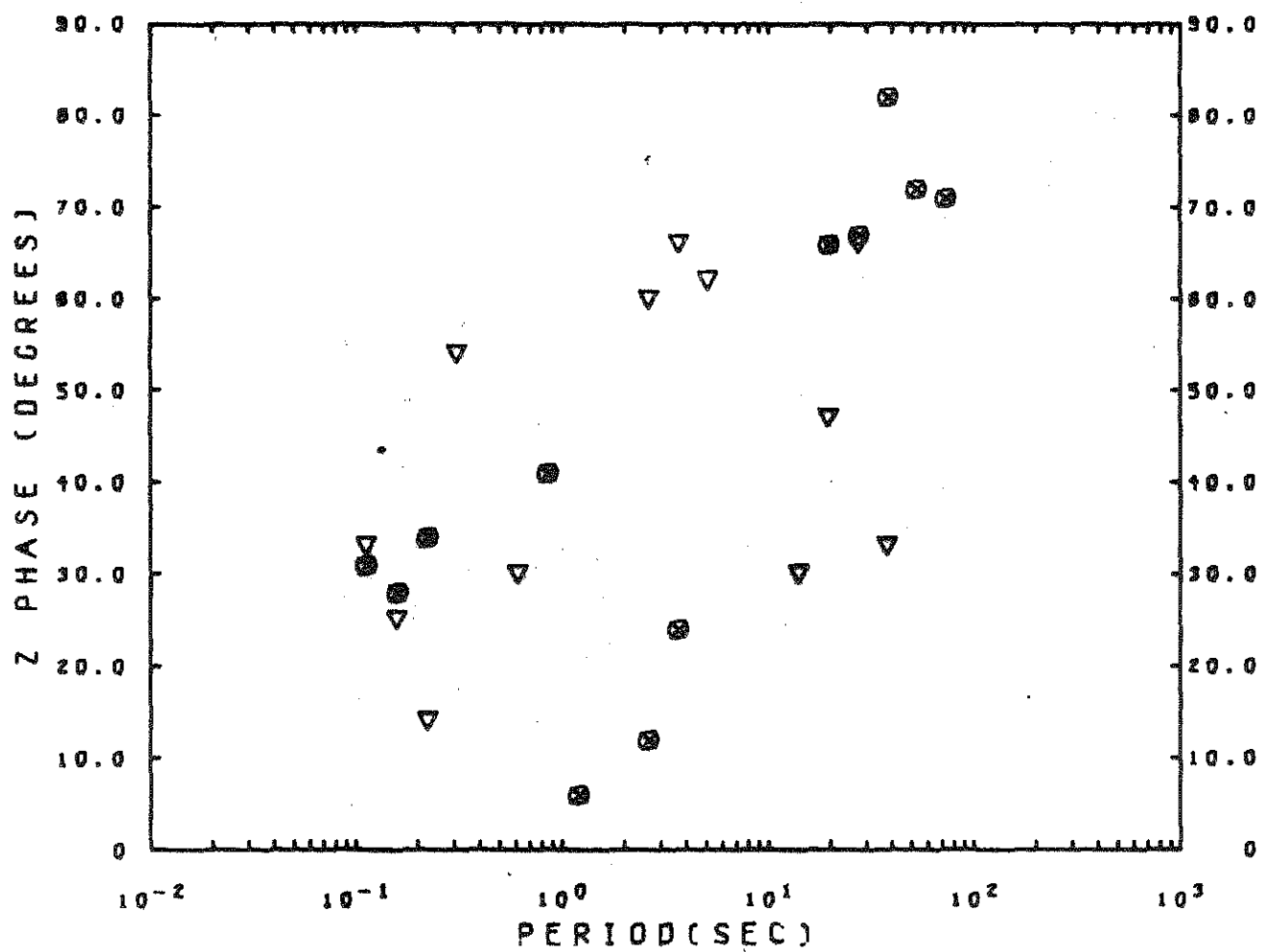
0.8  
0.6  
0.4  
0.2  
0

360.0  
300.0  
240.0  
180.0  
120.0  
60.0  
0

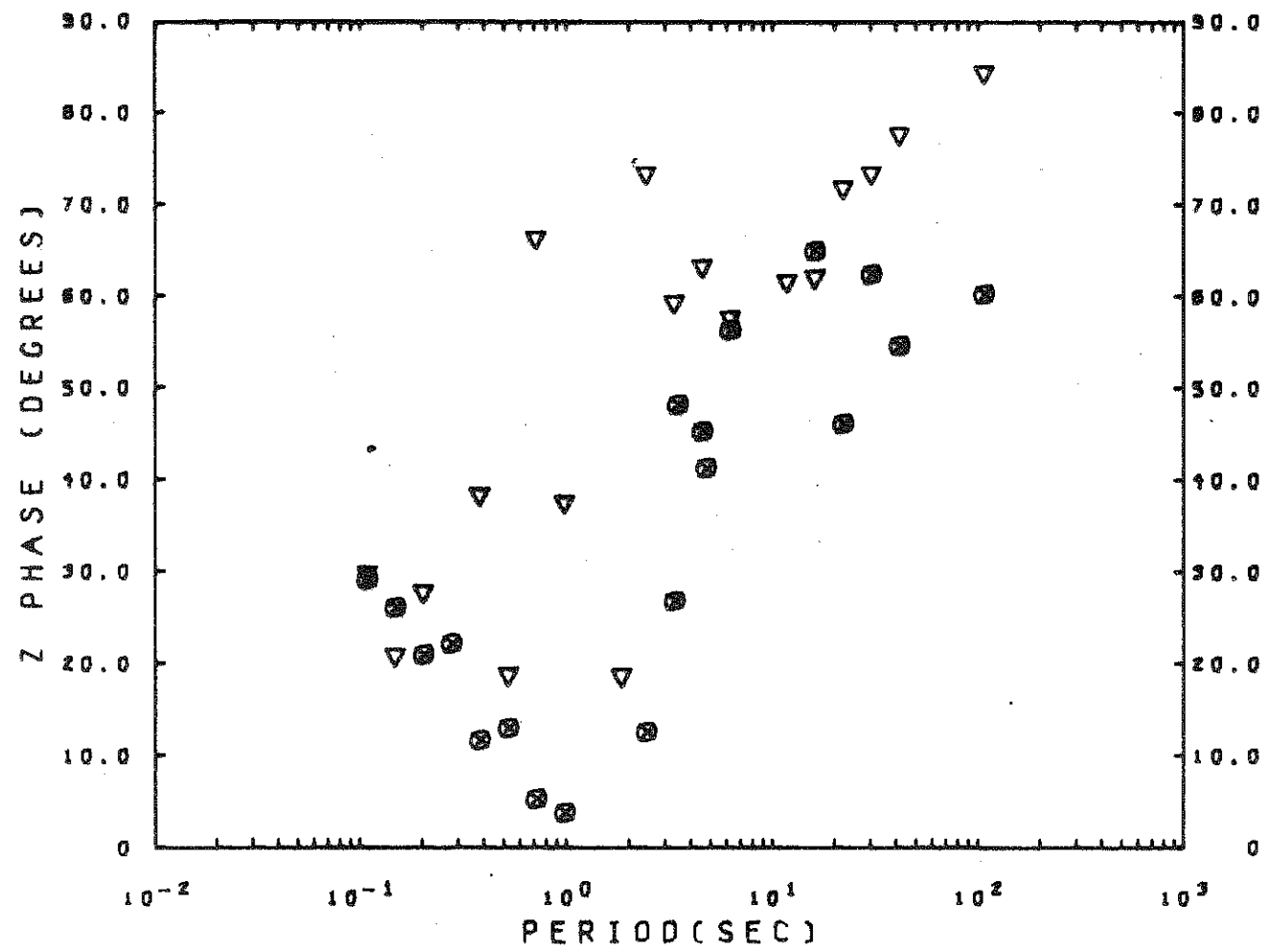
1.0  
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0.2  
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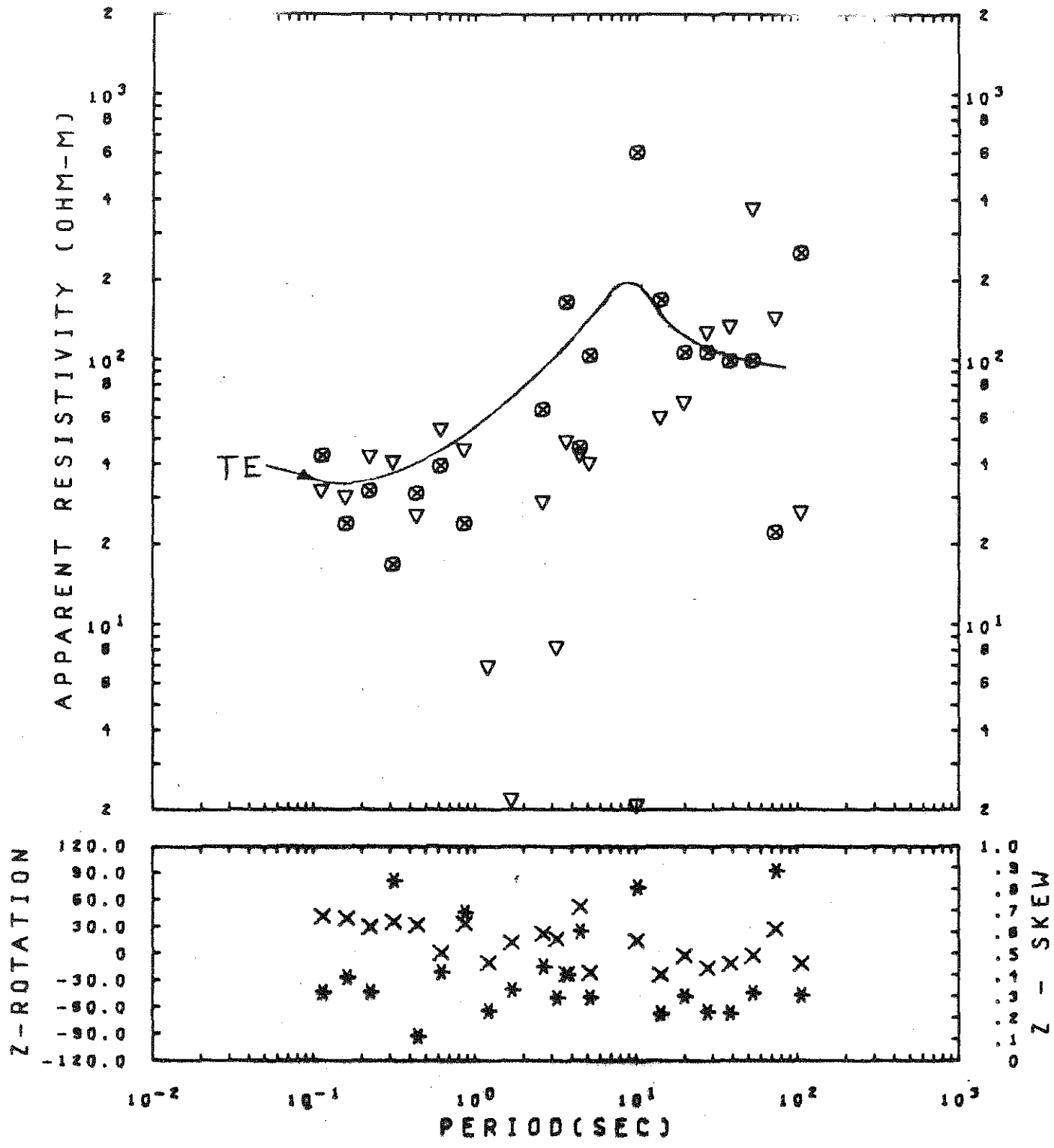
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0.6  
0.4  
0.2  
0

IDAHO M2  
REMOTE



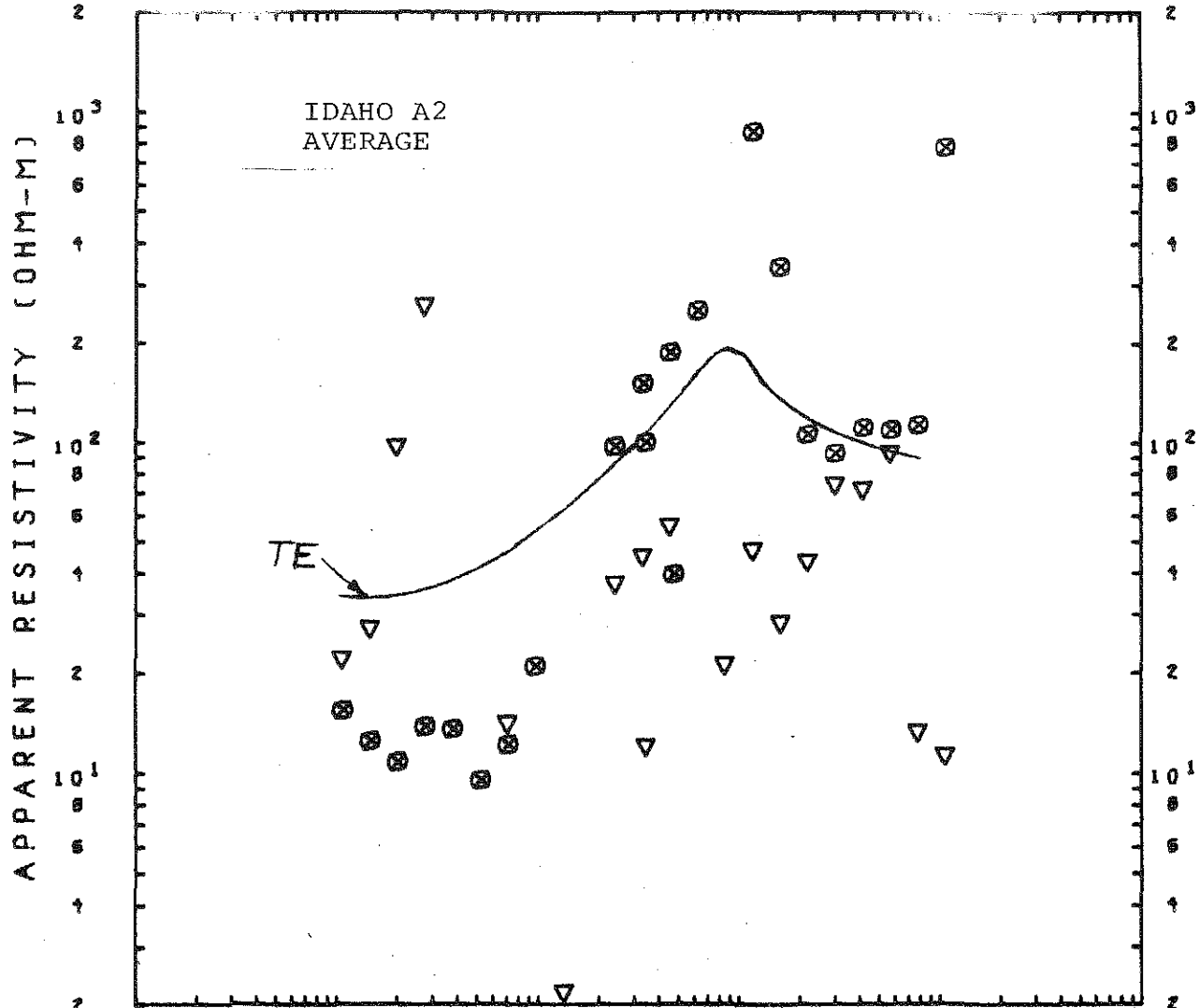
IDAHO M2  
AVERAGE





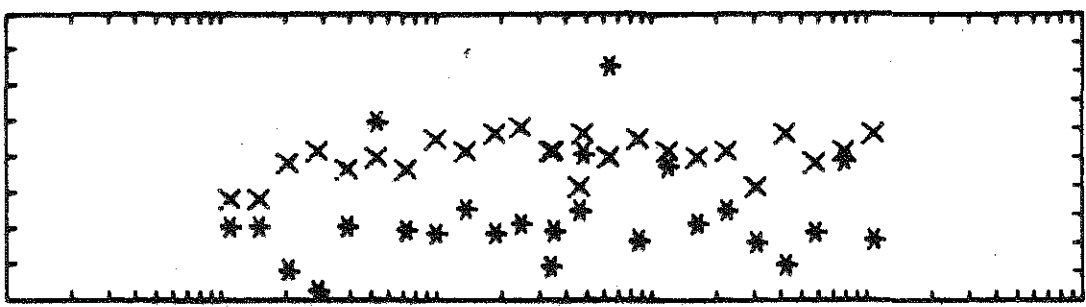
IDAHO A2  
REMOTE





Z-ROTATION

120.0  
90.0  
60.0  
30.0  
0.0  
-30.0  
-60.0  
-90.0  
-120.0

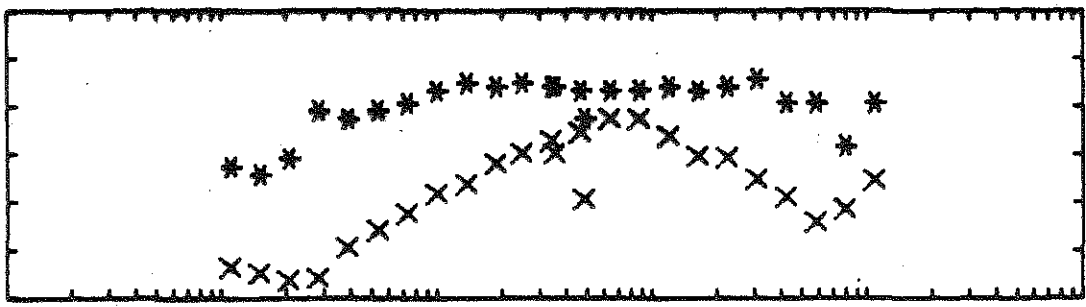


1.0  
0.9  
0.8  
0.7  
0.6  
0.5  
0.4  
0.3  
0.2  
0.1  
0  
-0.1  
-0.2  
-0.3  
-0.4  
-0.5  
-0.6  
-0.7  
-0.8  
-0.9  
-1.0

Z - SKEW

TIPPER  
TIPPER

0.6  
0.5  
0.4  
0.3  
0.2  
0.1  
0

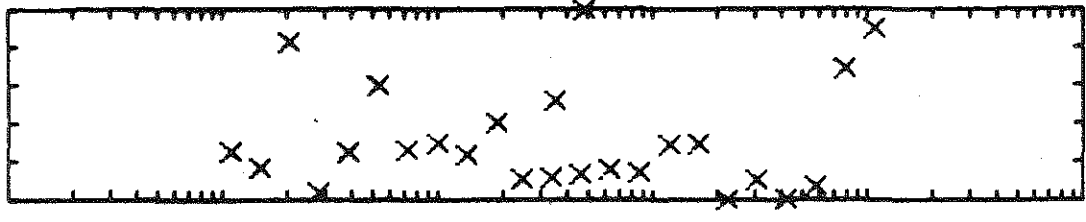


360.0  
300.0  
240.0  
180.0  
120.0  
60.0  
0

TIPPER ROTATION

TIPPER SKEW

1.0  
0.8  
0.6  
0.4  
0.2  
0

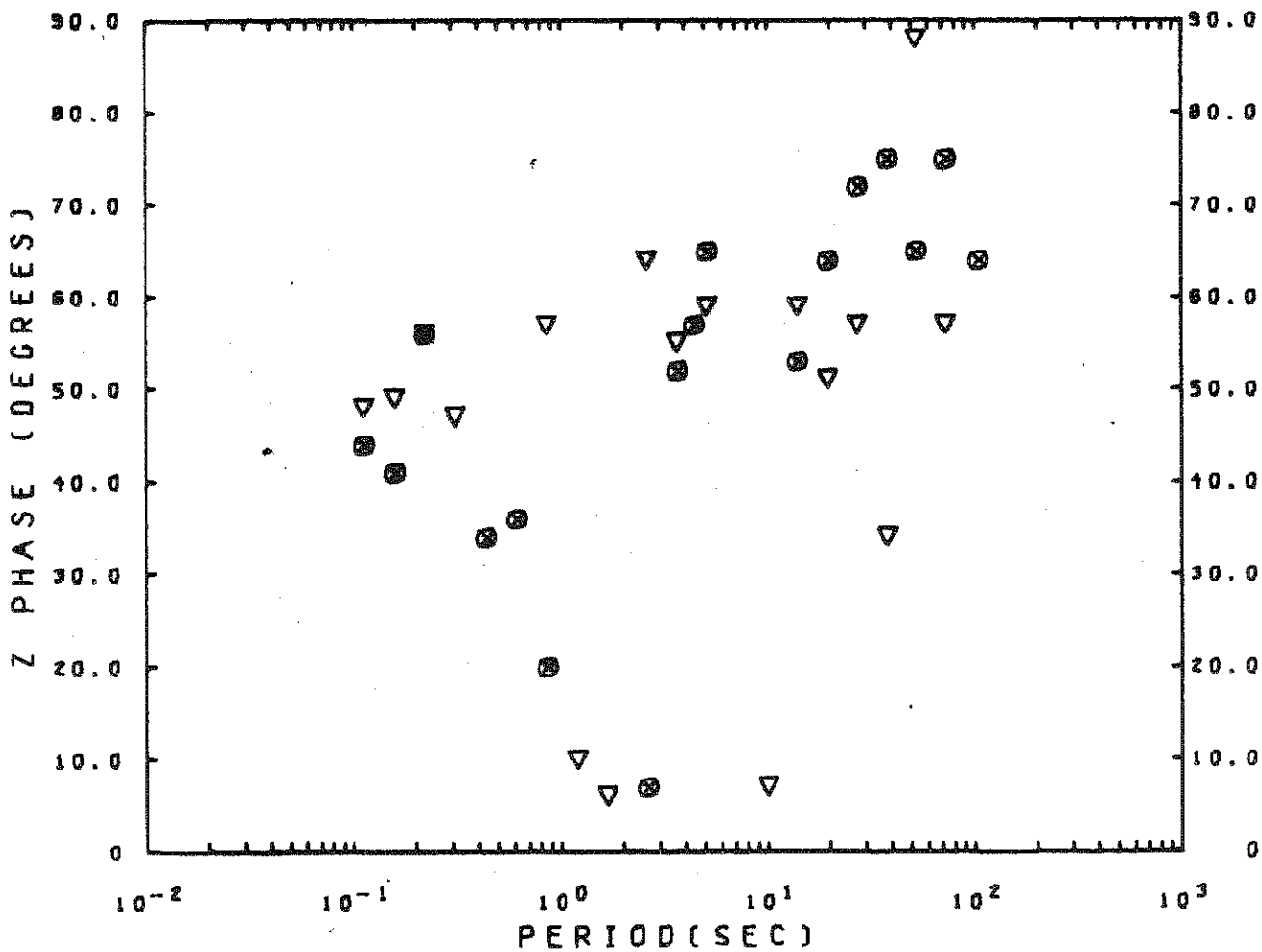


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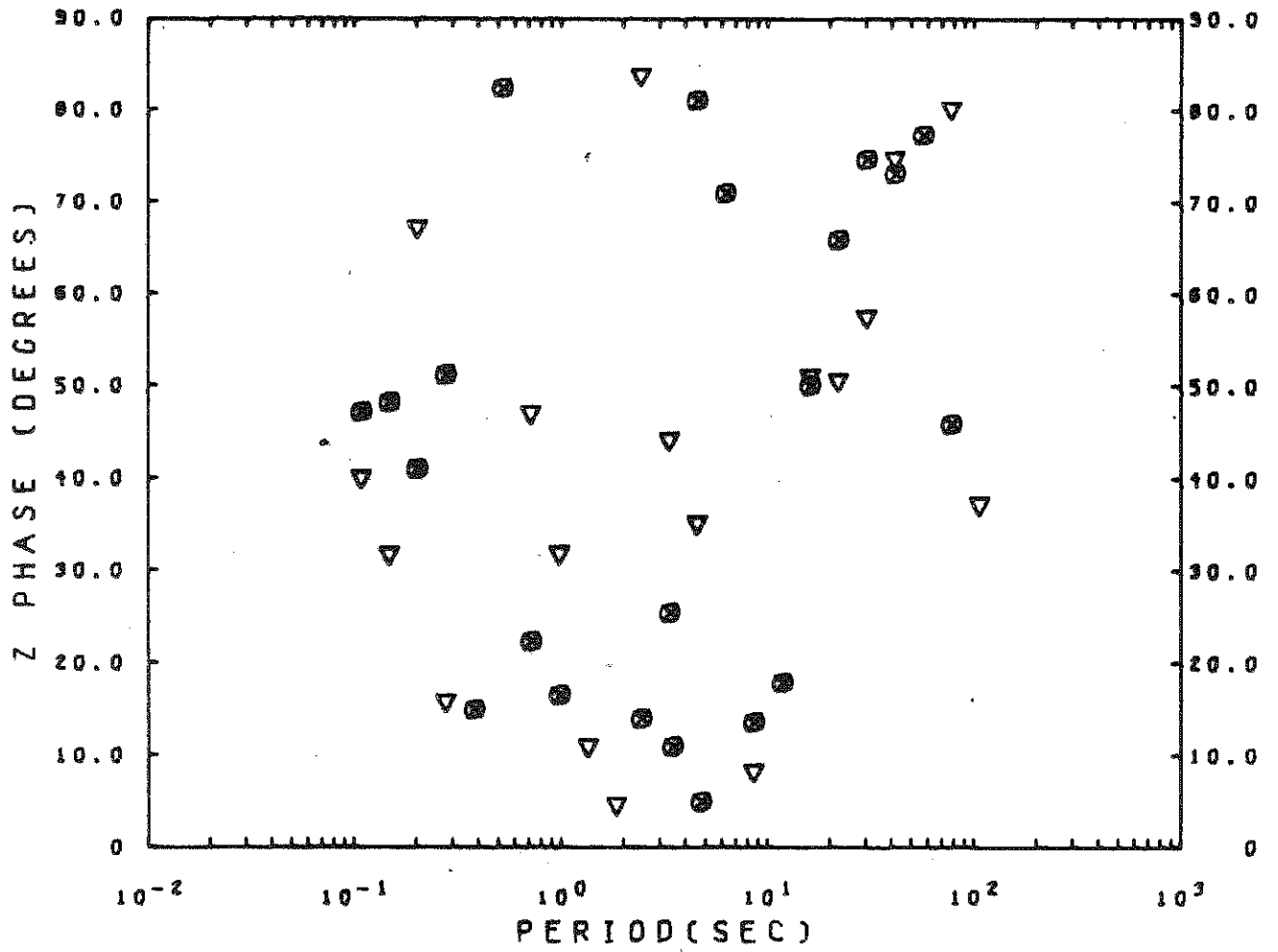
PERIOD (SEC)

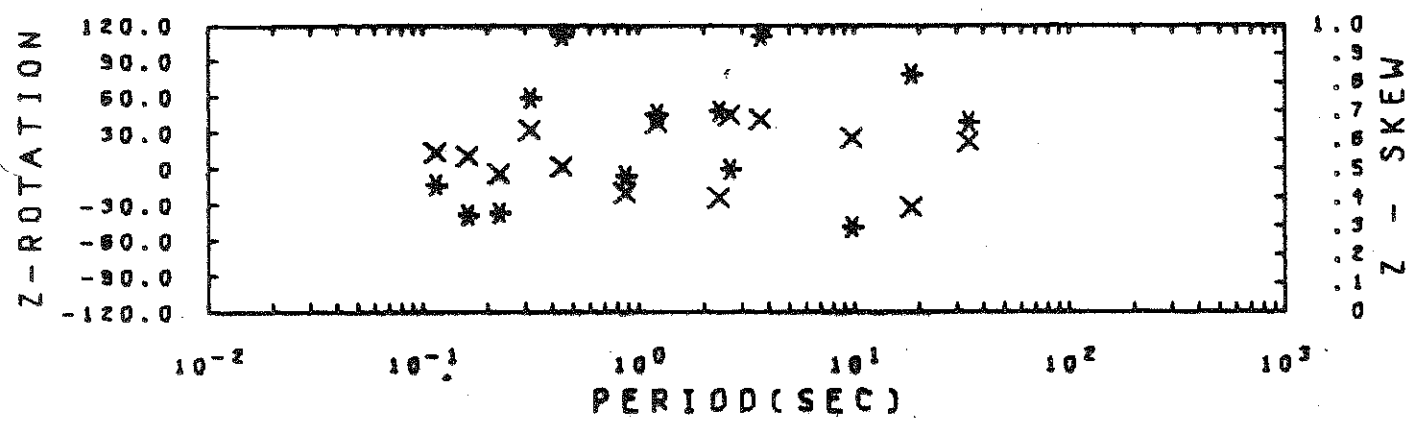
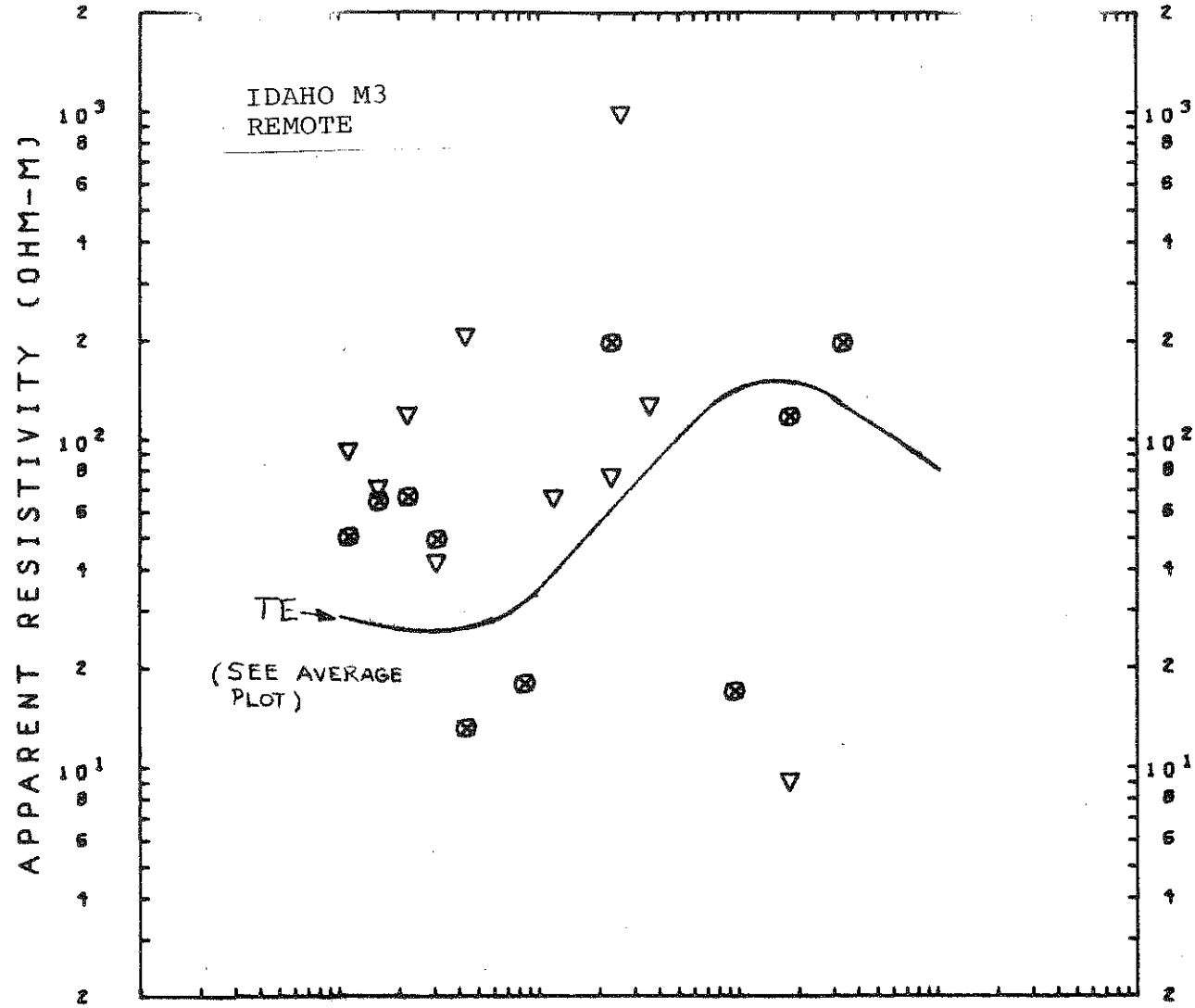
10^-2    10^-1    10^0    10^1    10^2    10^3

IDAHO A2  
REMOTE



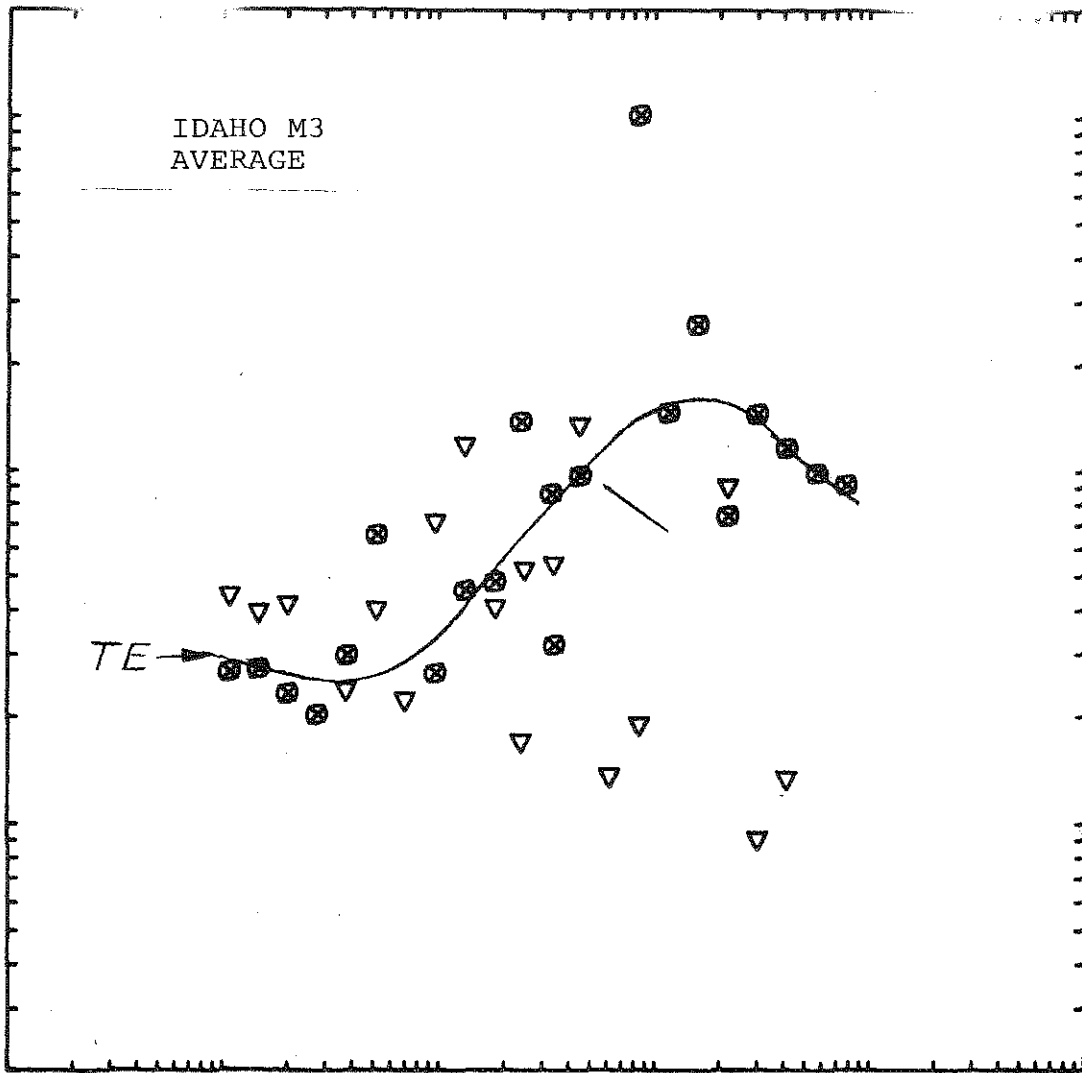
IDAHO A2  
AVERAGE





APPARENT RESISTIVITY (OHM-M)

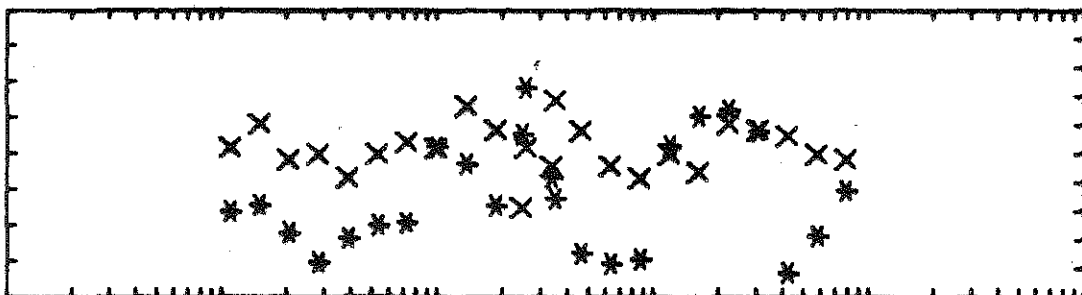
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10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>  
10<sup>-2</sup>



10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>  
10<sup>-2</sup>

Z-ROTATION

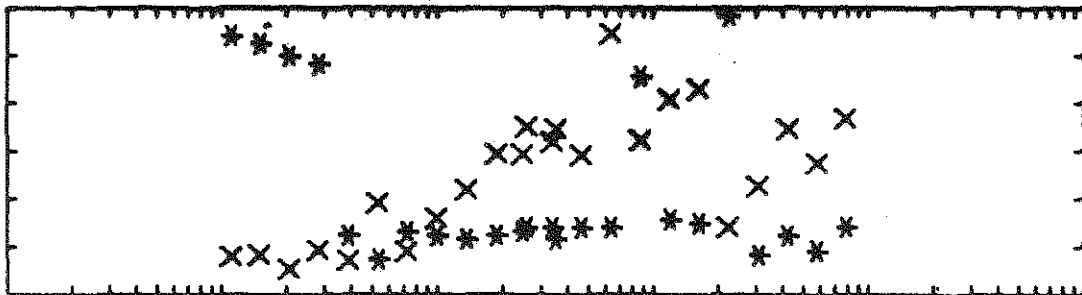
120.0  
90.0  
60.0  
30.0  
0.0  
-30.0  
-60.0  
-90.0  
-120.0



120.0  
90.0  
60.0  
30.0  
0.0  
-30.0  
-60.0  
-90.0  
-120.0

TIPPER SKEW

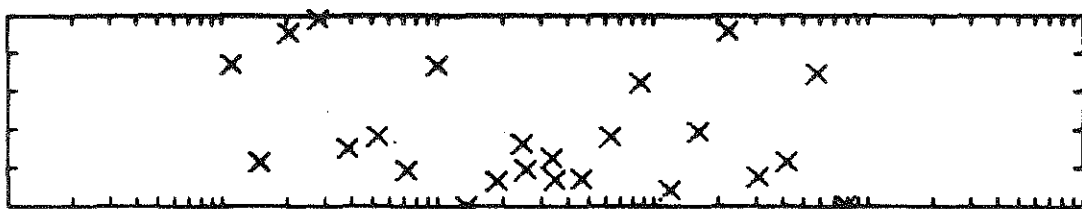
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0.6  
0.4  
0.2  
0.0



1.0  
0.8  
0.6  
0.4  
0.2  
0.0

TIPPER ROTATION

1.0  
0.8  
0.6  
0.4  
0.2  
0.0

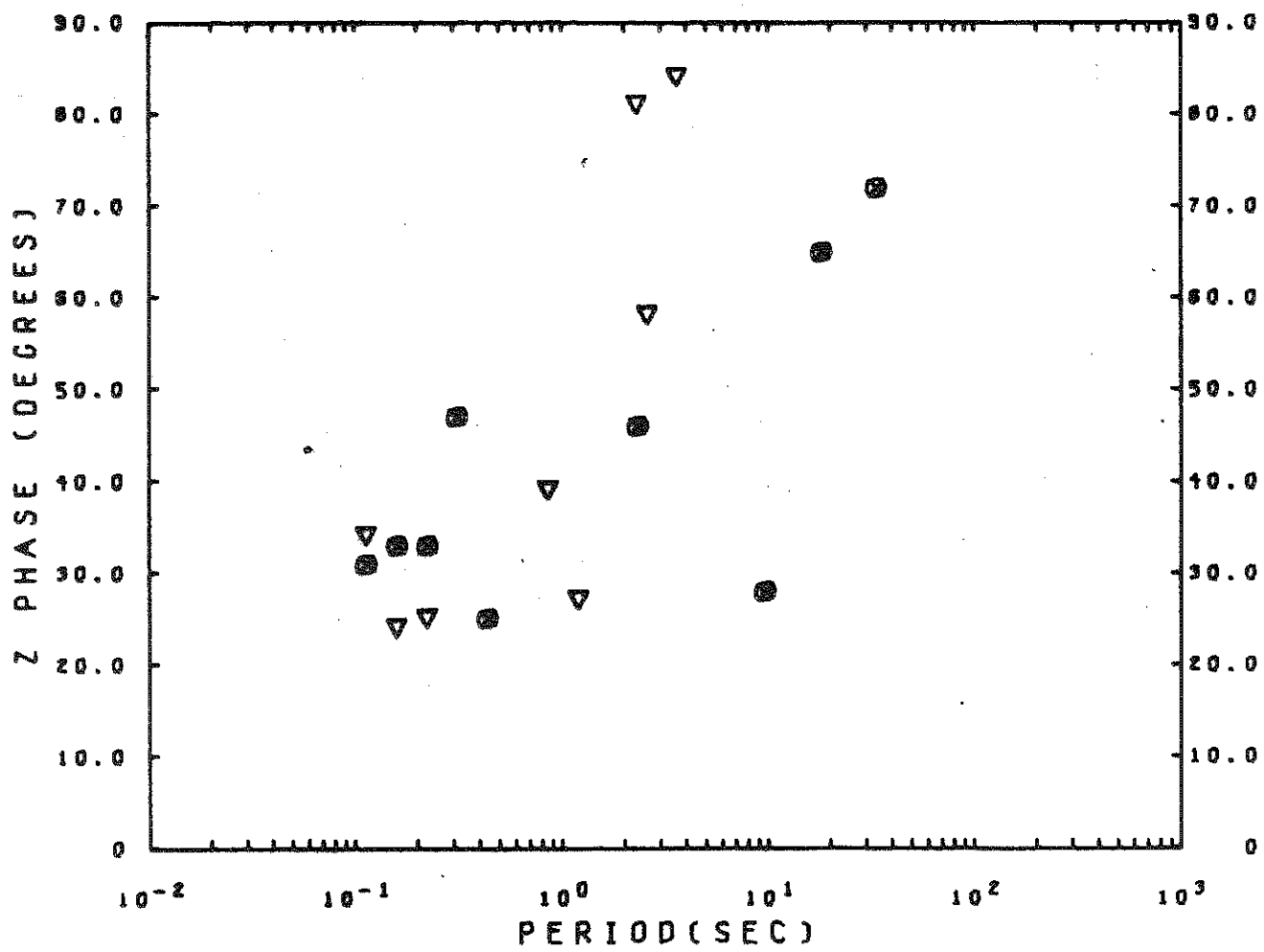


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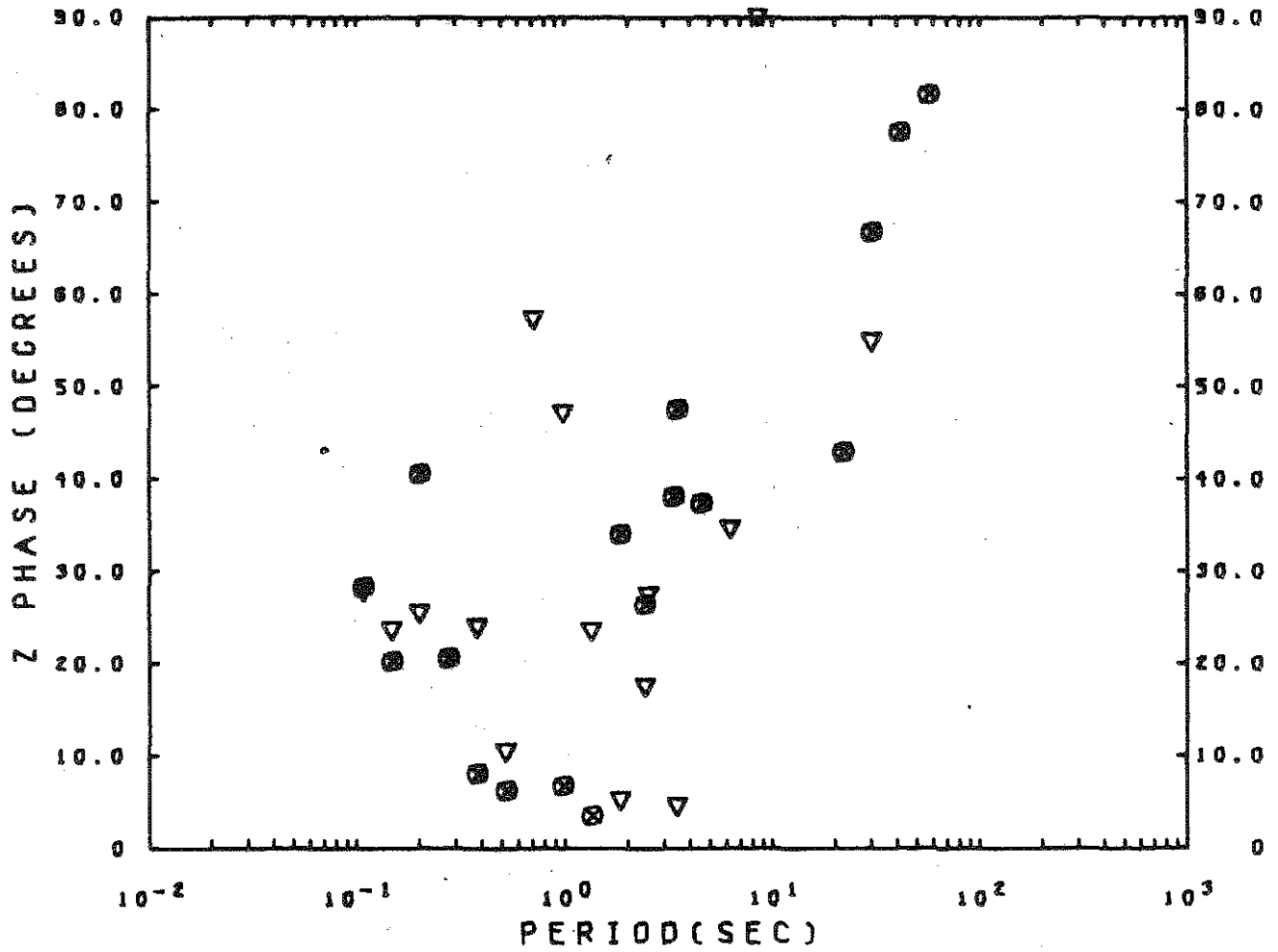
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PERIOD (SEC)

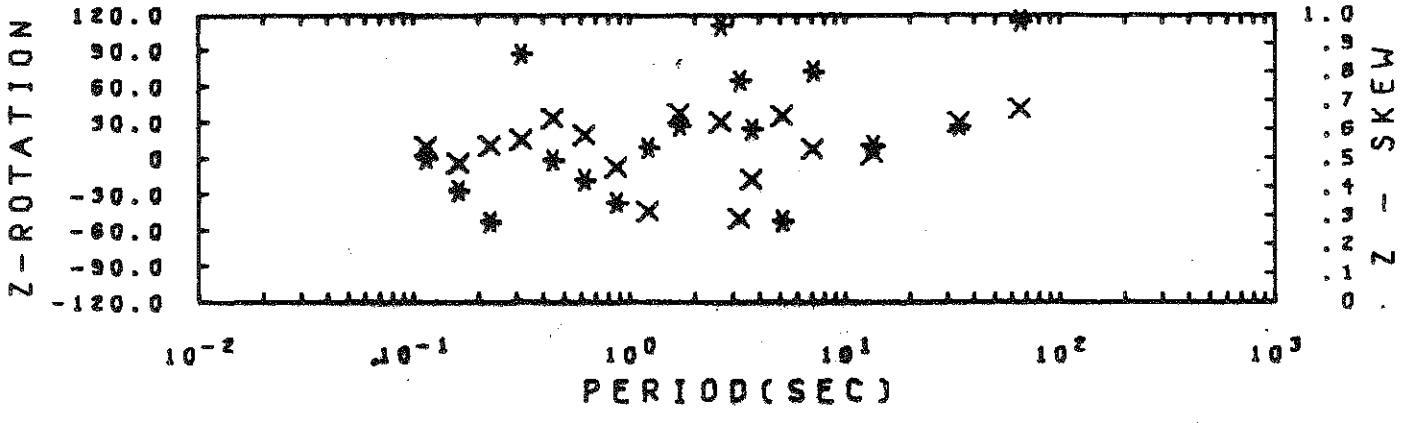
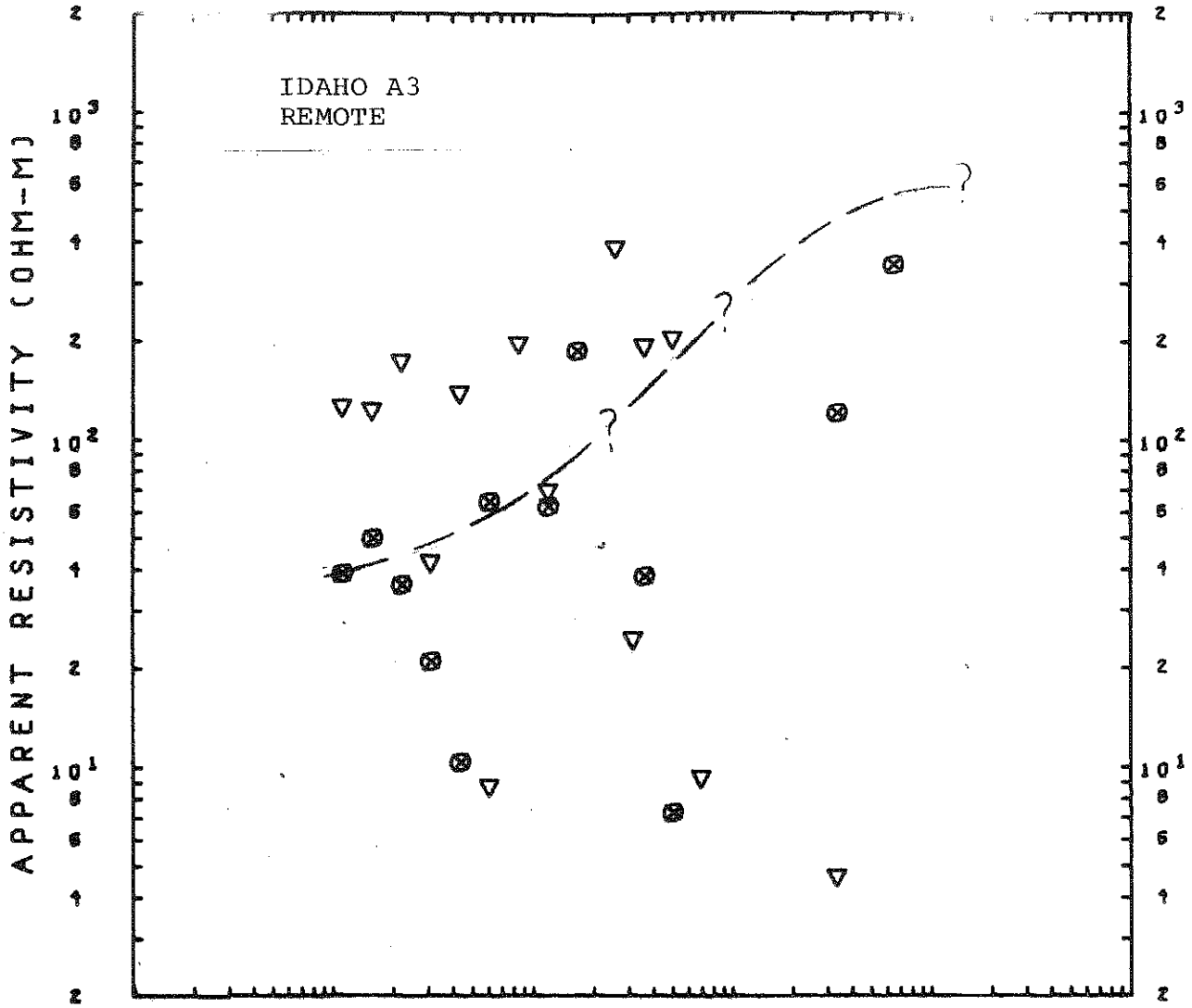
Z - SKEW  
TIPPER ROTATION

IDAHO M3  
REMOTE

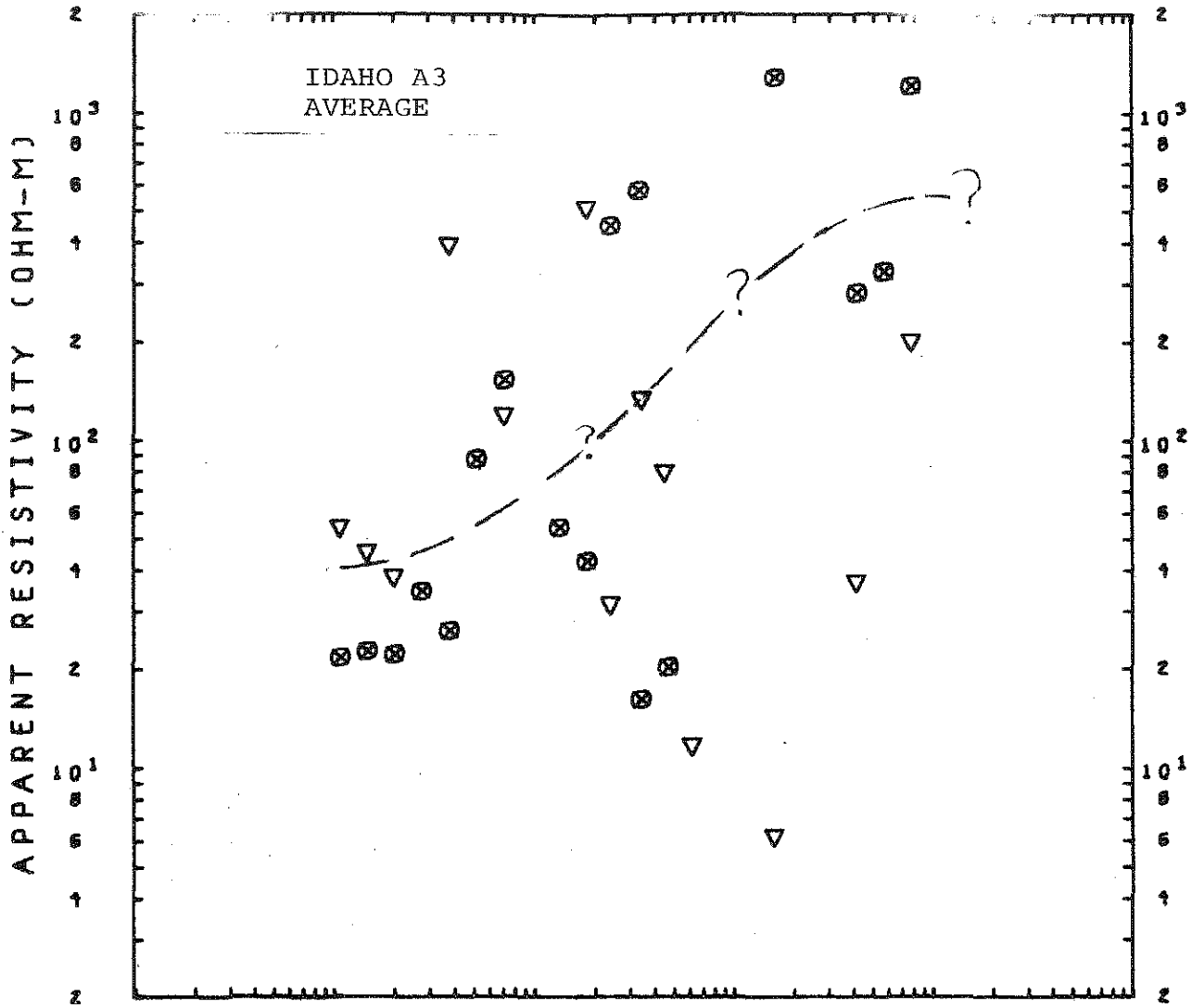


IDAHO M3  
AVERAGE



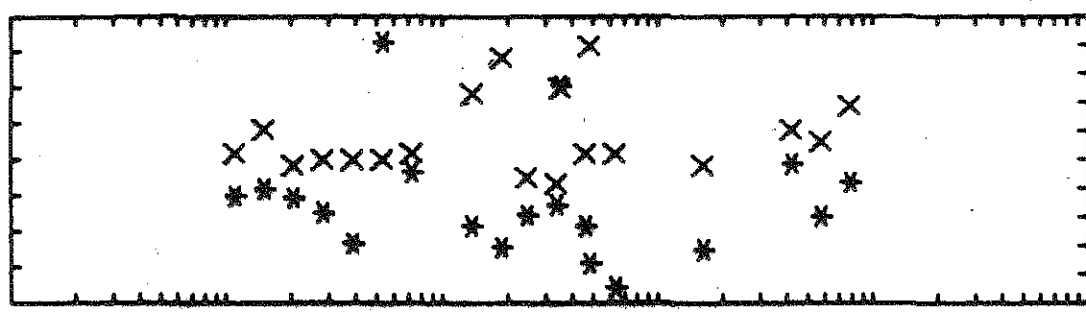






Z-ROTATION

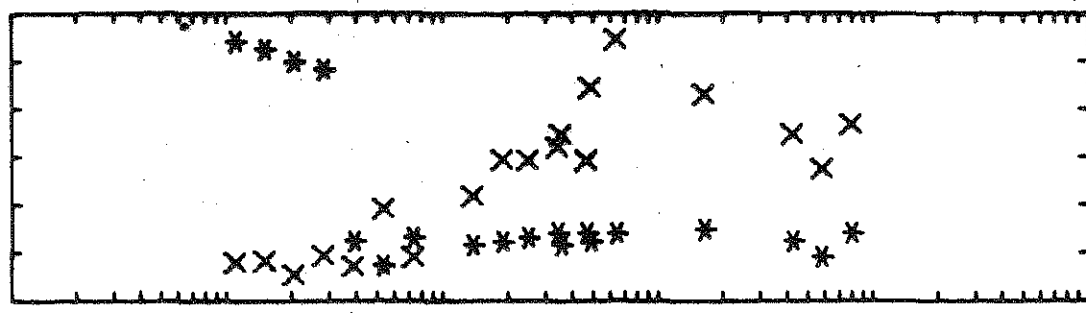
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-120.0



1.0  
0.9  
0.8  
0.7  
0.6  
0.5  
0.4  
0.3  
0.2  
0.1  
0

Z - SKEW

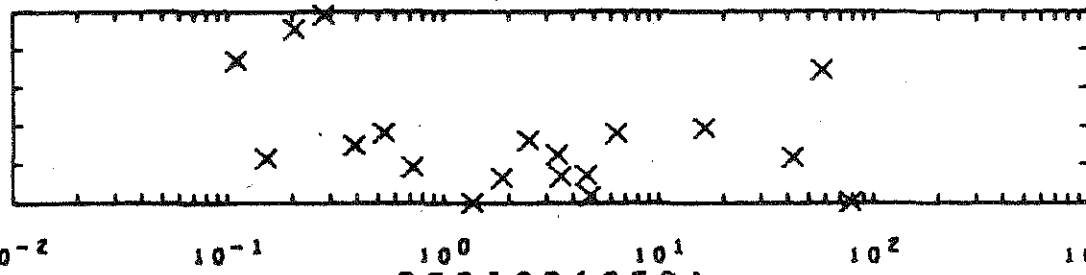
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4  
3  
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1  
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TIPPER ROTATION

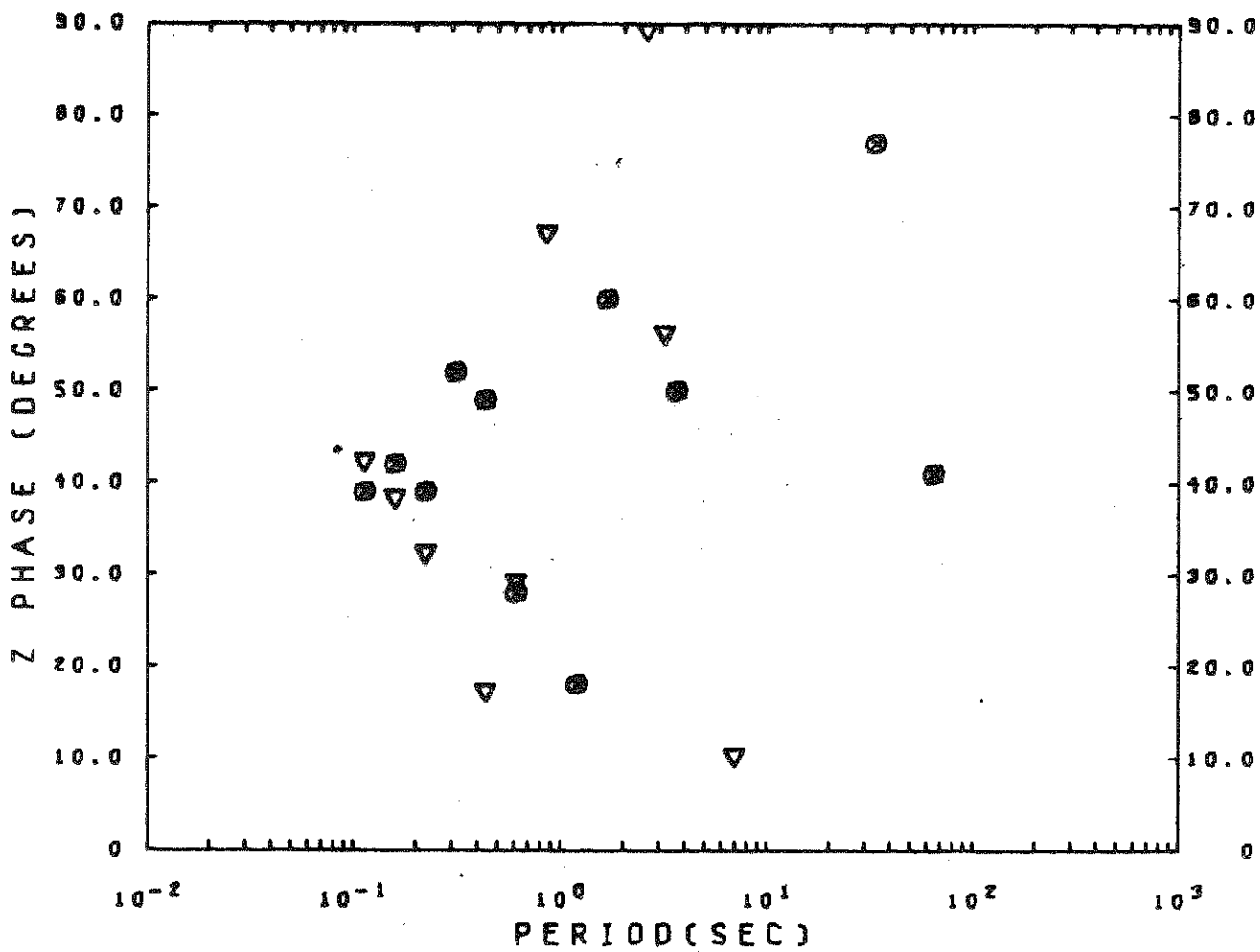
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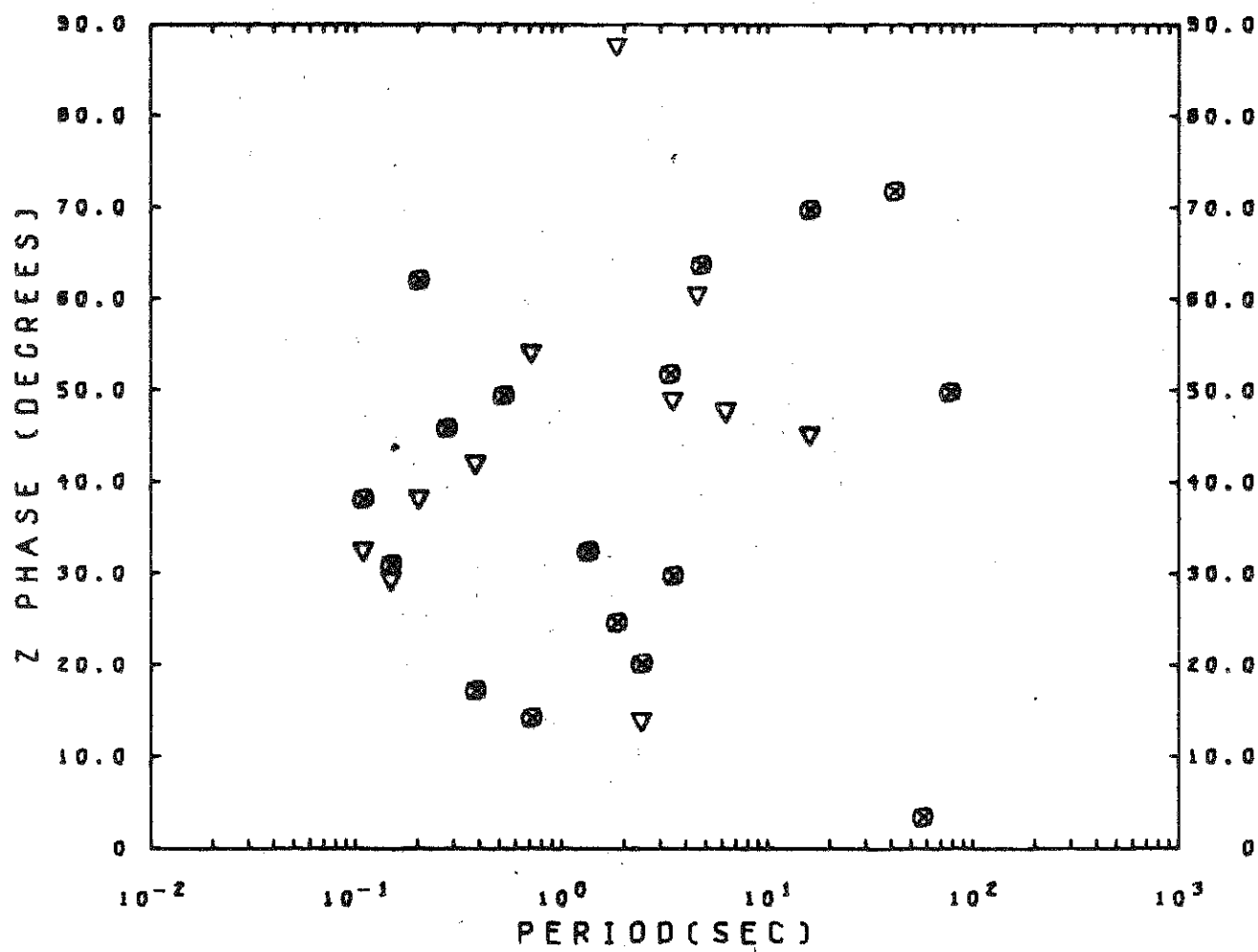
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PERIOD (SEC)

IDAHO A3  
REMOTE



IDAHO A3  
AVERAGE



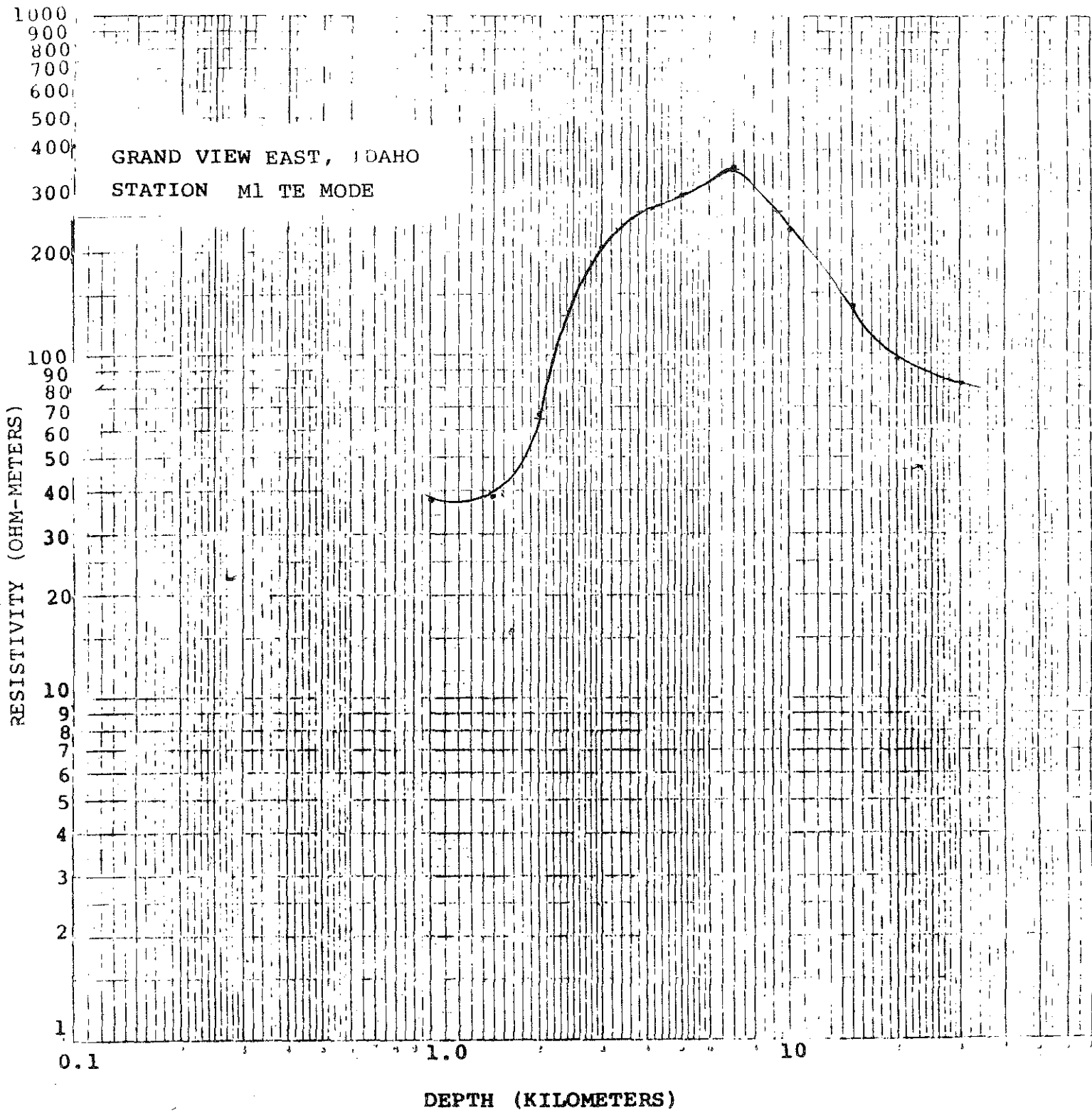


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

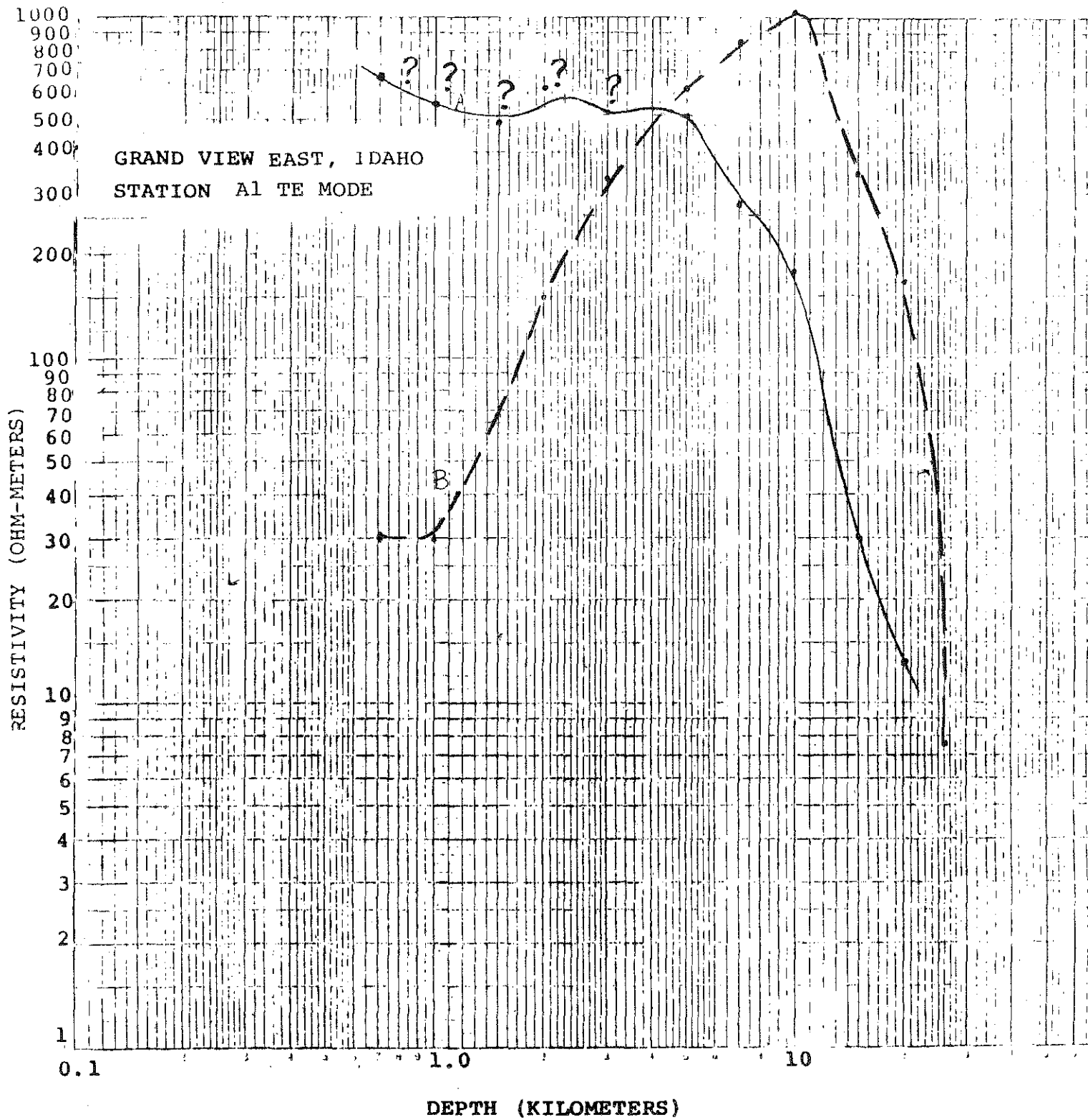


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

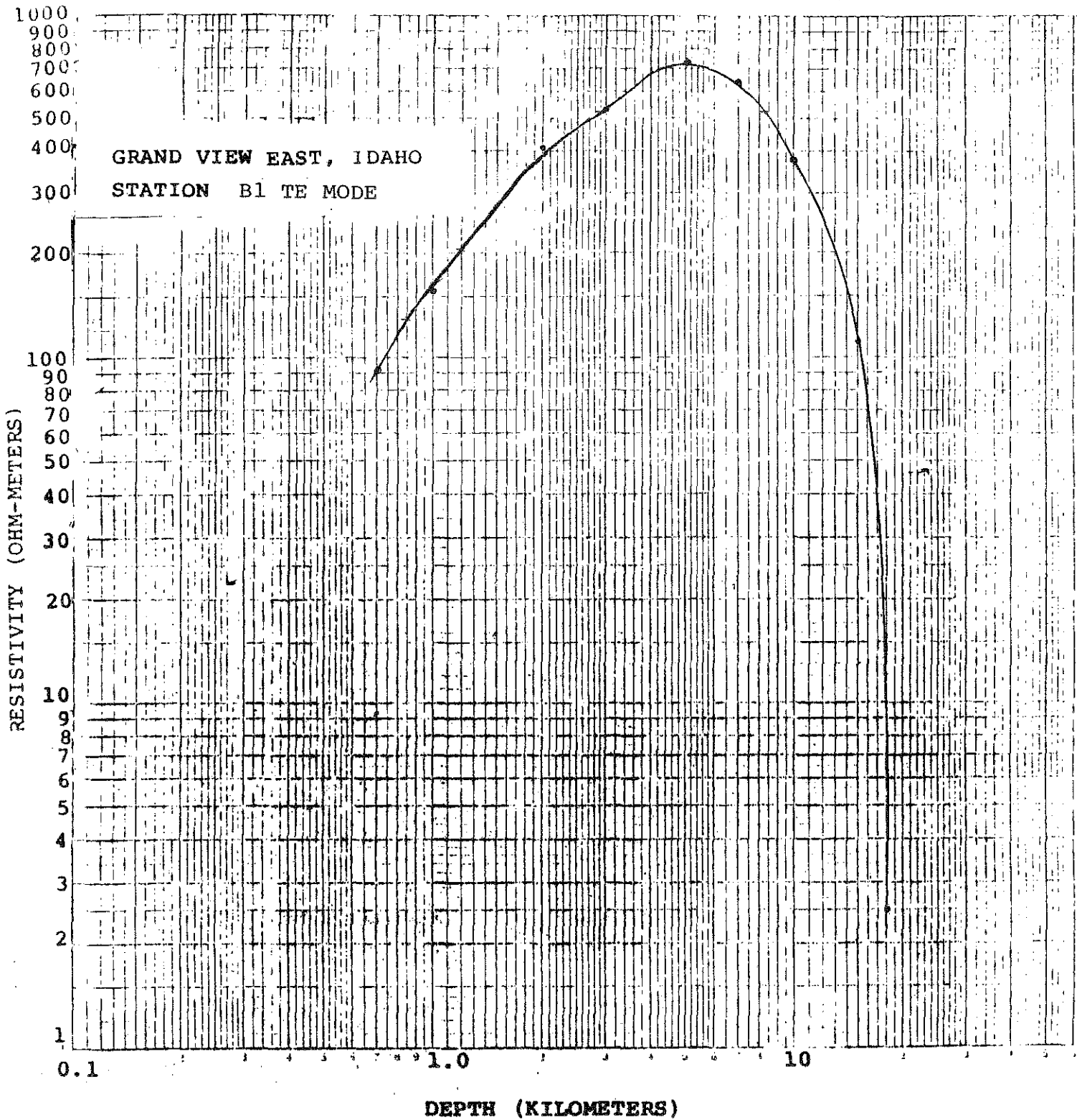


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

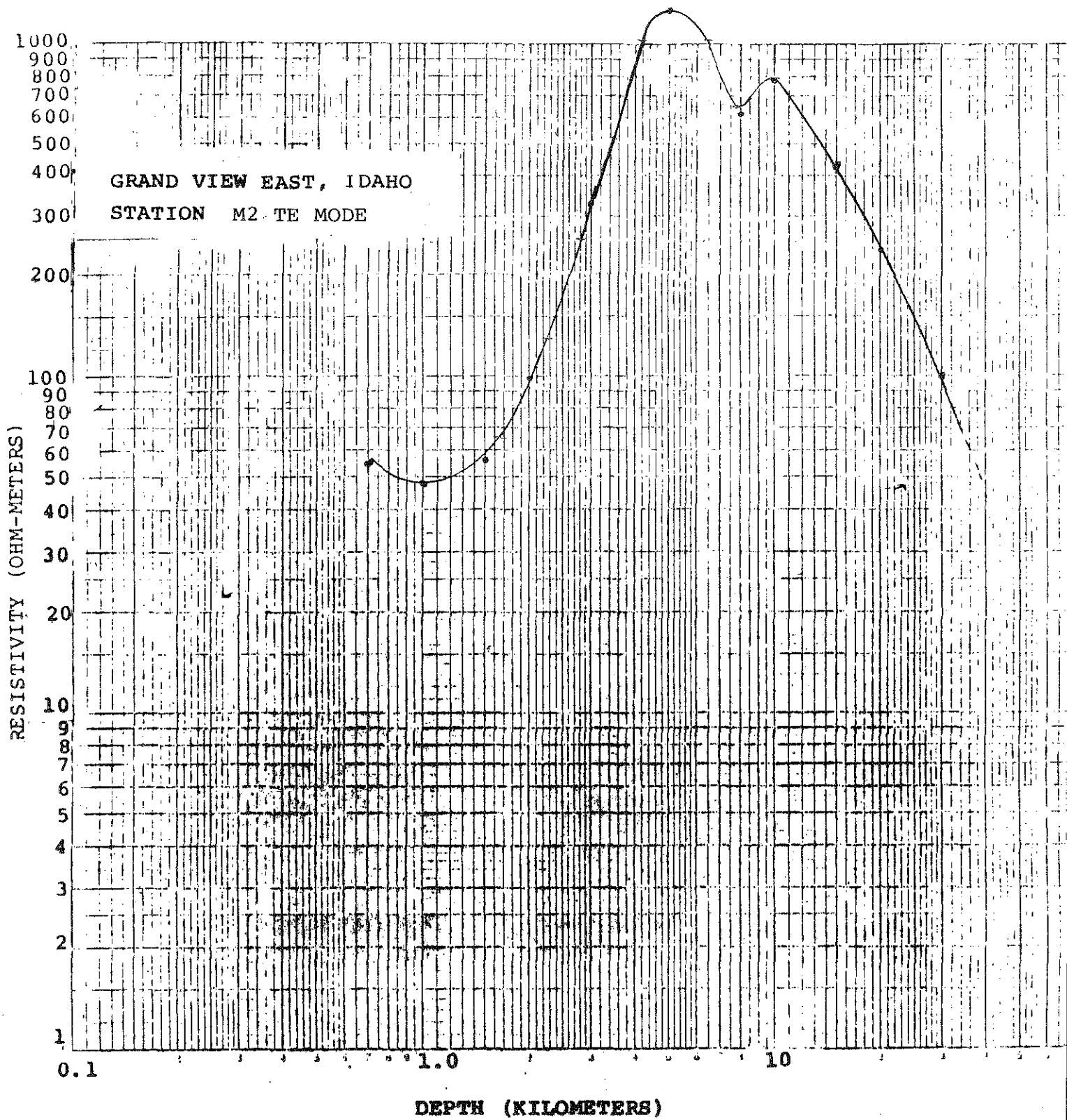


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

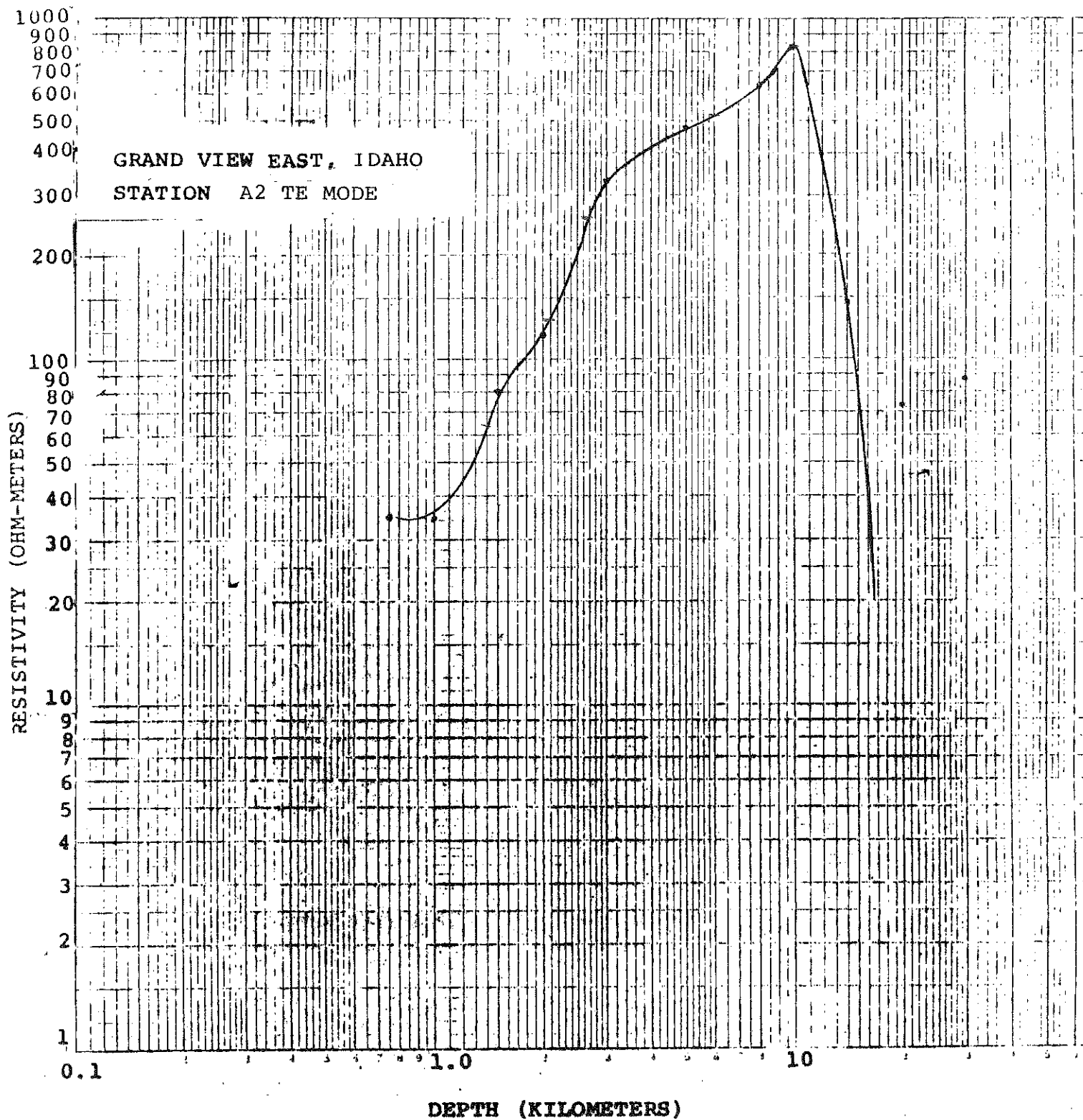


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.



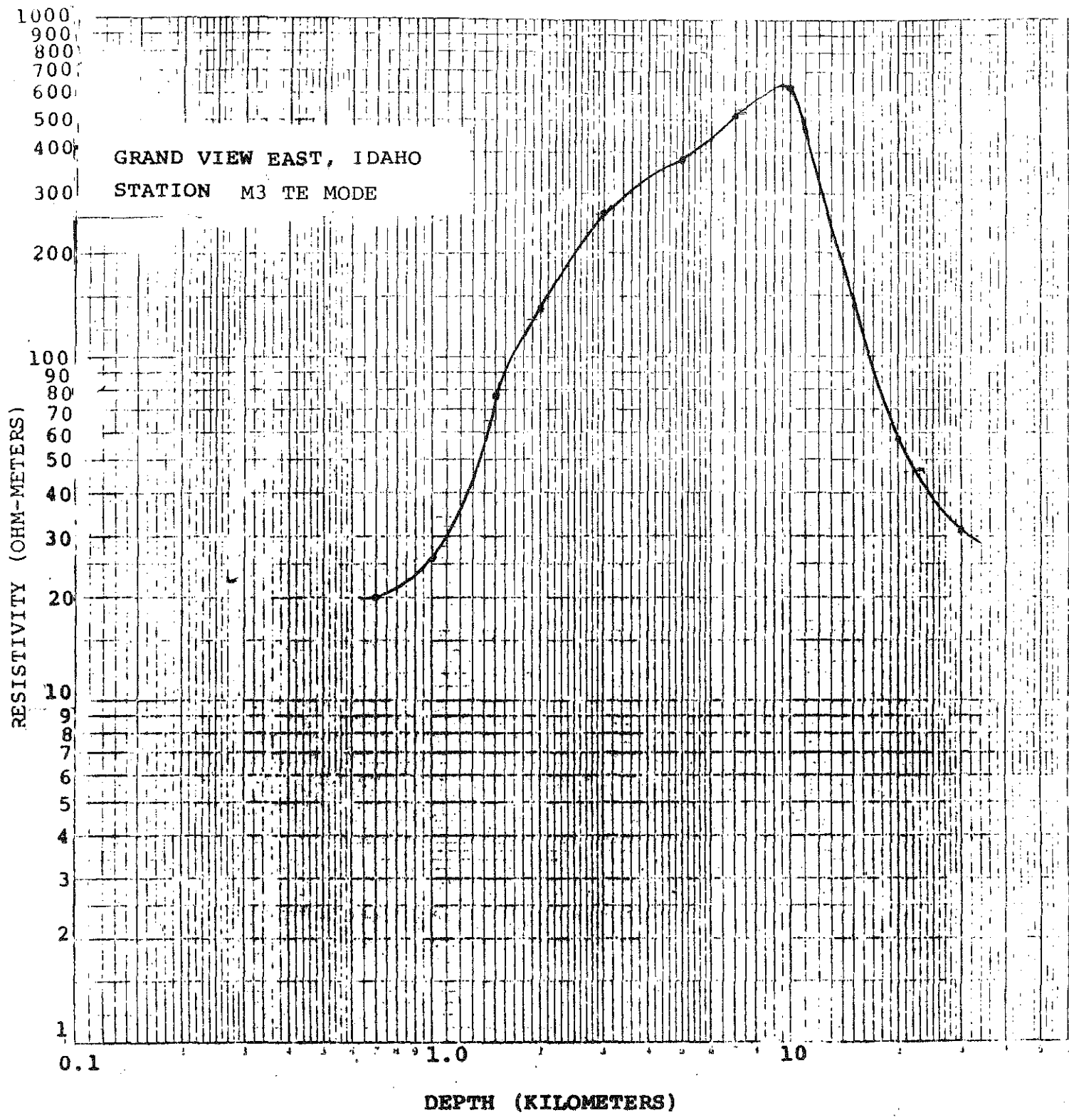


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

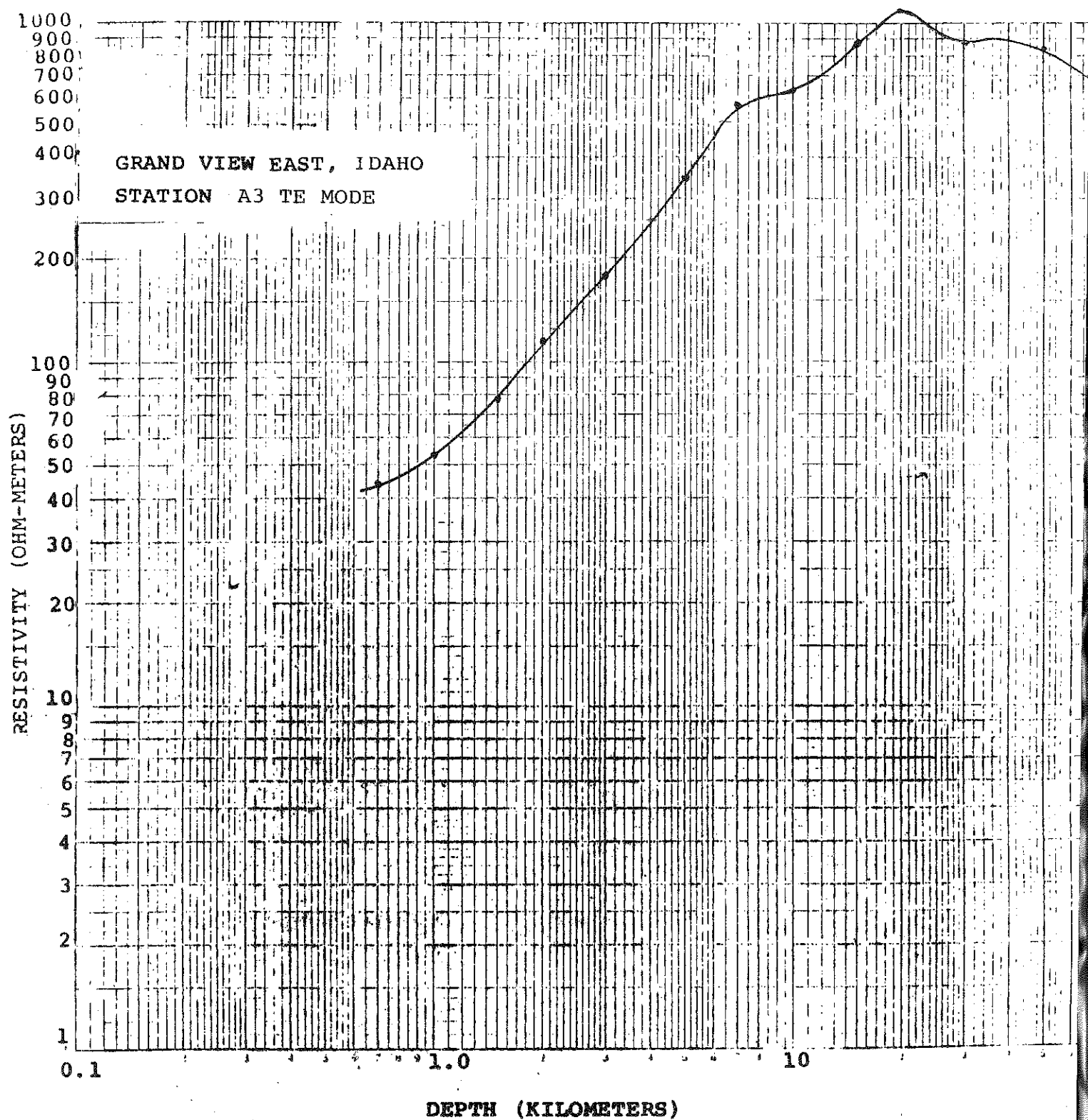
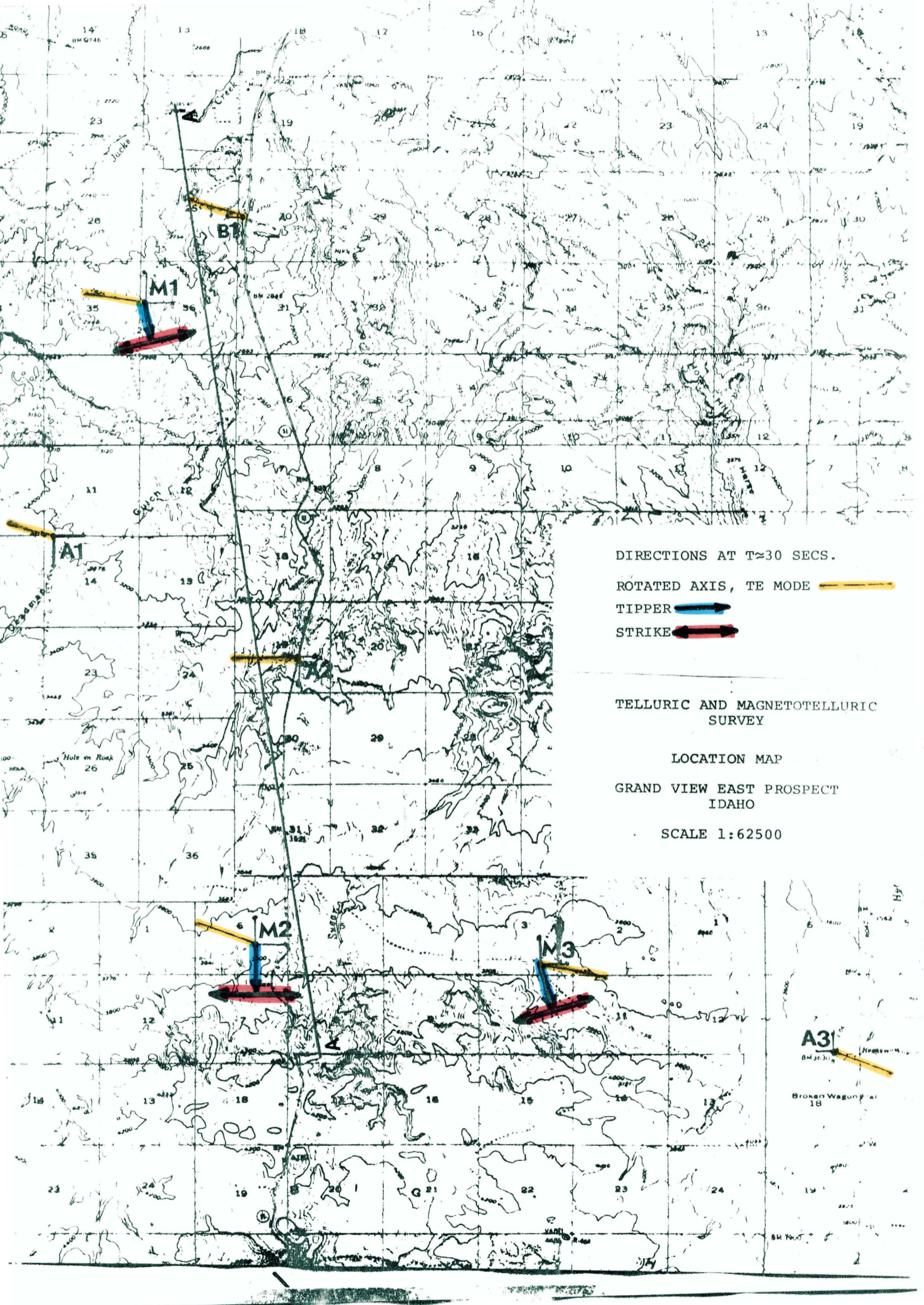


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.





DIRECTIONS AT T≈30 SECS.

ROTATED AXIS, TE MODE 

TIPPER 

STRIKE 

TELLURIC AND MAGNETOTELLURIC  
SURVEY

LOCATION MAP

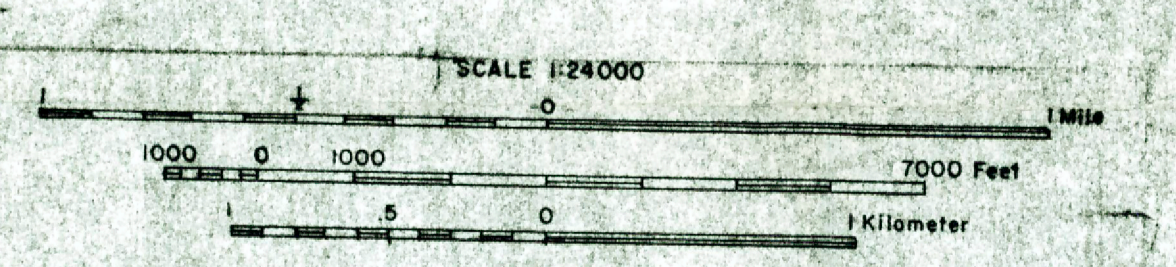
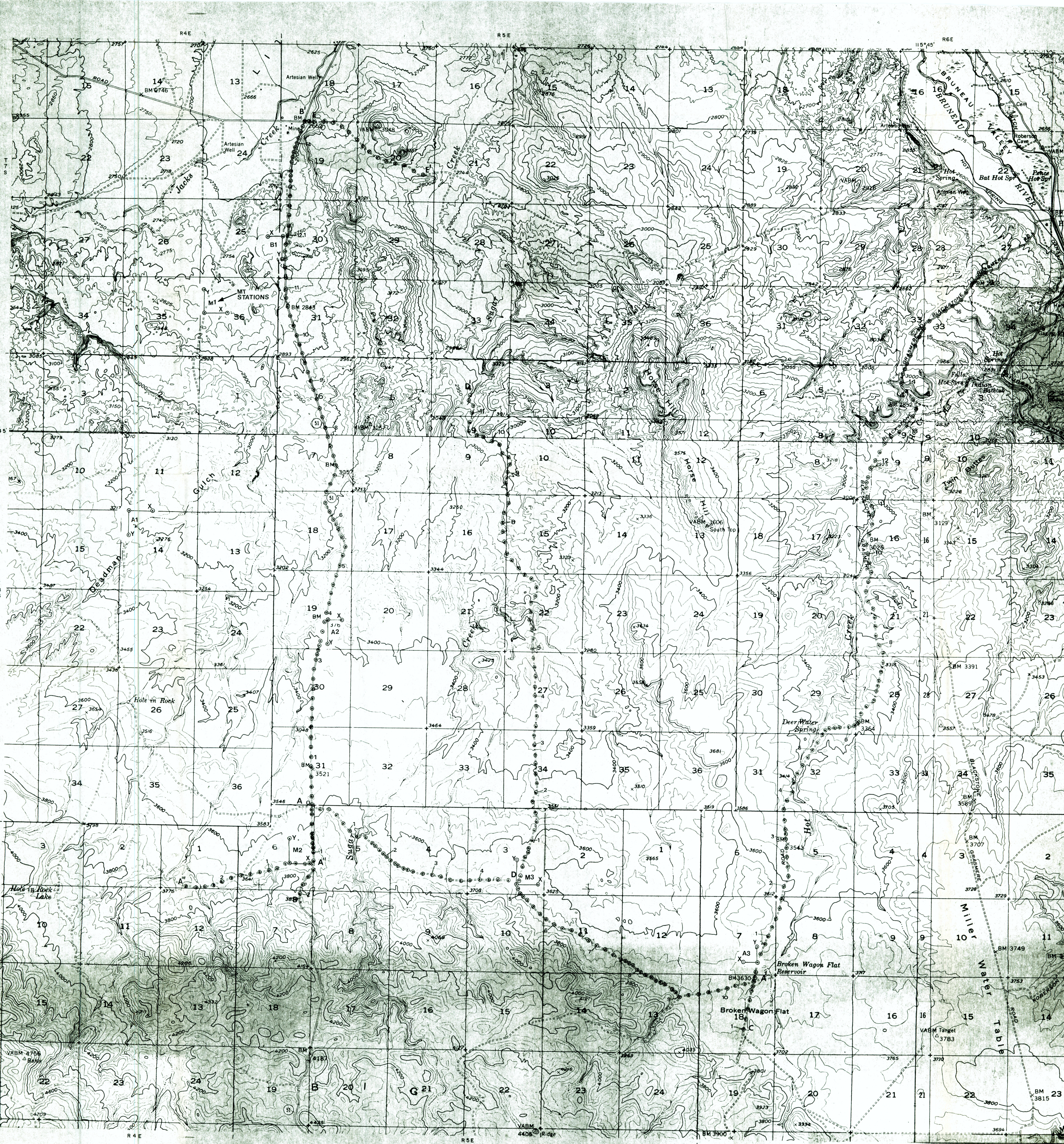
GRAND VIEW EAST PROSPECT  
IDAHO

SCALE 1:62500

A3

Broken Wagon Flat  
18





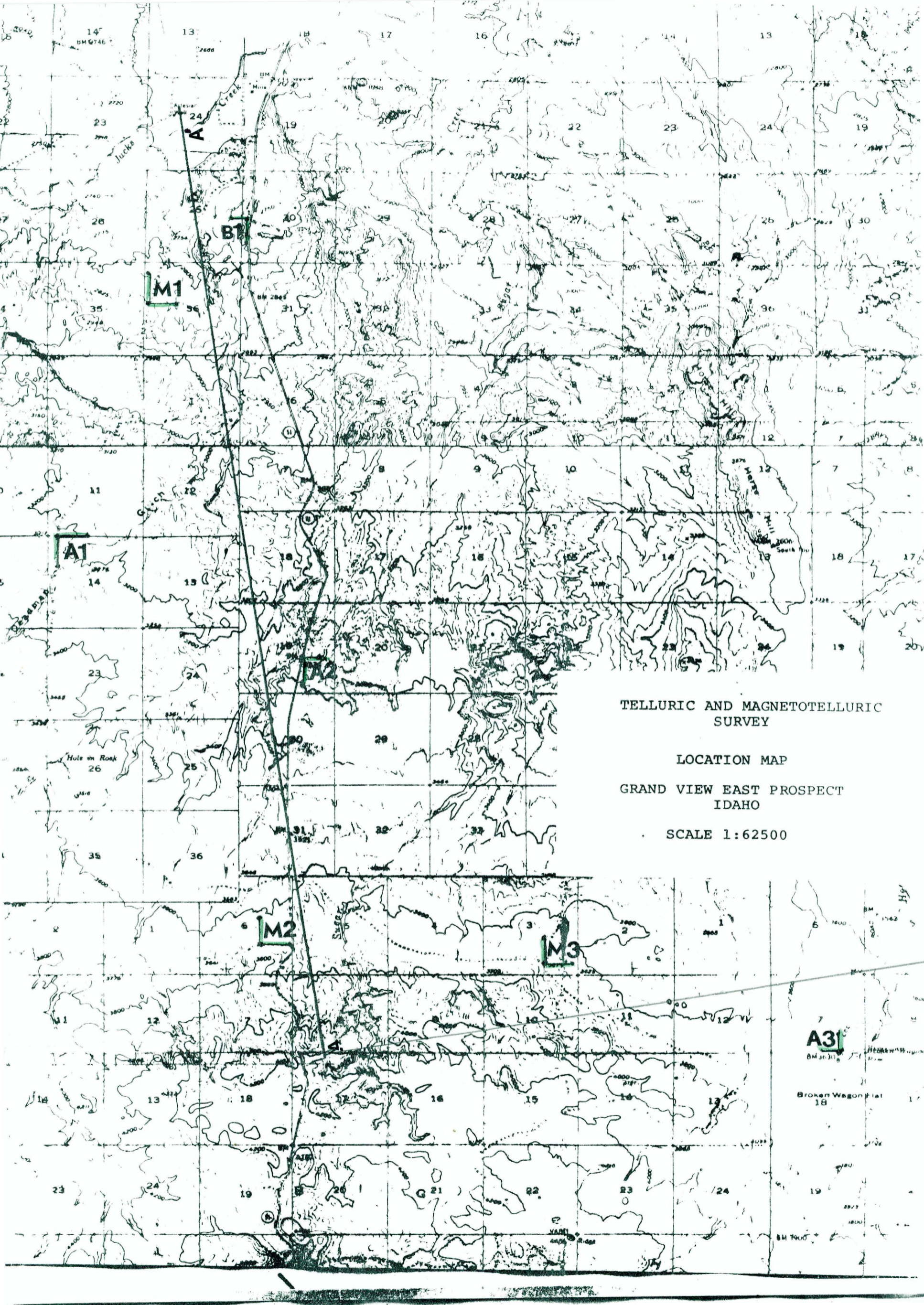
TELLURIC AND MAGNETO SURVEY  
LOCATION MAP  
for  
AMAX EXPLORATION  
in  
GRAND VIEW PROSPECT  
OWYHEE CO., ID.  
SCALE 1:24,000  
TERRAPHYSICS 815 HARBOUR WAY SO

SURVEY AREA  
IDAHO









TELLURIC AND MAGNETOTELLURIC SURVEY

LOCATION MAP

GRAND VIEW EAST PROSPECT  
IDAHO

SCALE 1:62500

**A31**

BM 310

Broken Wagon Flat  
18

BM 7900