

TEC-13

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

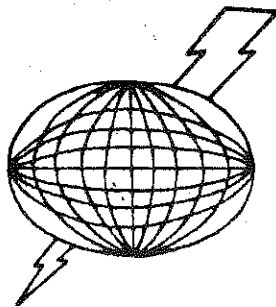
for

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 interpretations for the Grand View West Prospect, Idaho survey

<u>Station</u>	<u>Pages</u>
M4 Computer plots	1-4
A4	5-8
B2	9-12
M5	13-16
A5	17-20
B3	21-24
M6	25-28
A6 South	29-32
A6 North	33-36
B4	37-40

One dimensional inversion of TE Mode

M4	41
A4	42
B2	43
M5	44
A5	45
B3	46
M6	47
A6 South	48
A6 North	49
B4	50

Located in the binder at the back of the binder

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

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

Resistivity Section Line AA' (1:62500 scale)

Resistivity Section Line BB' (1:62500 scale)

SYMBOLS USED IN PLOTS

Rotated Apparent Resistivities ● X Axis
 ▼ Y Axis

Z Rotation X

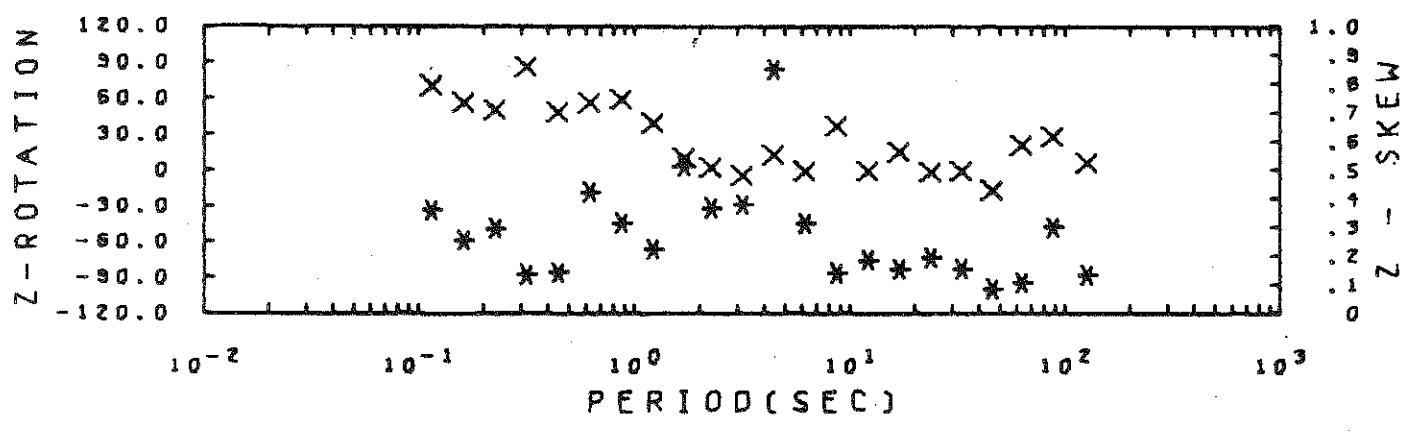
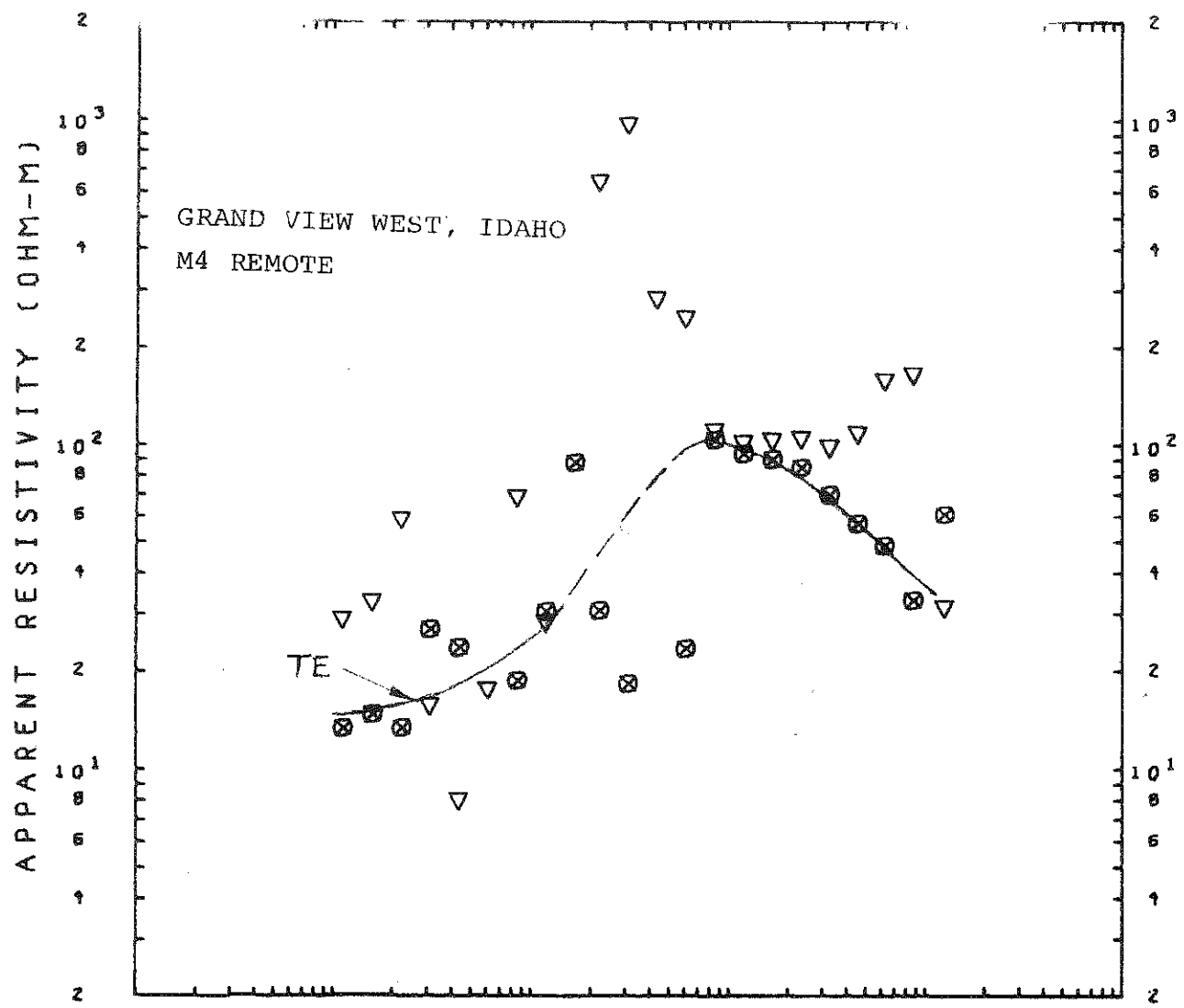
Z Skew *

Tipper X

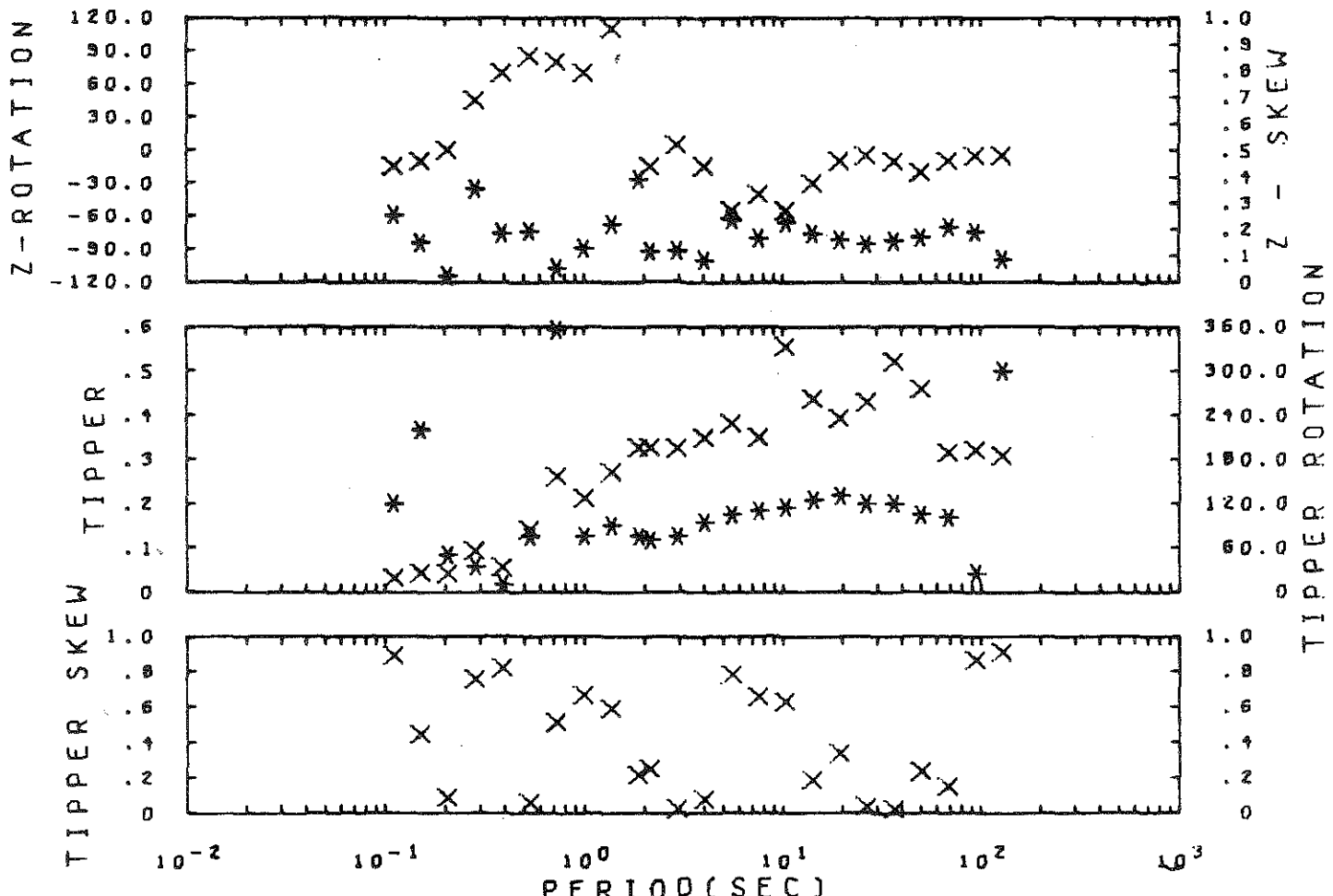
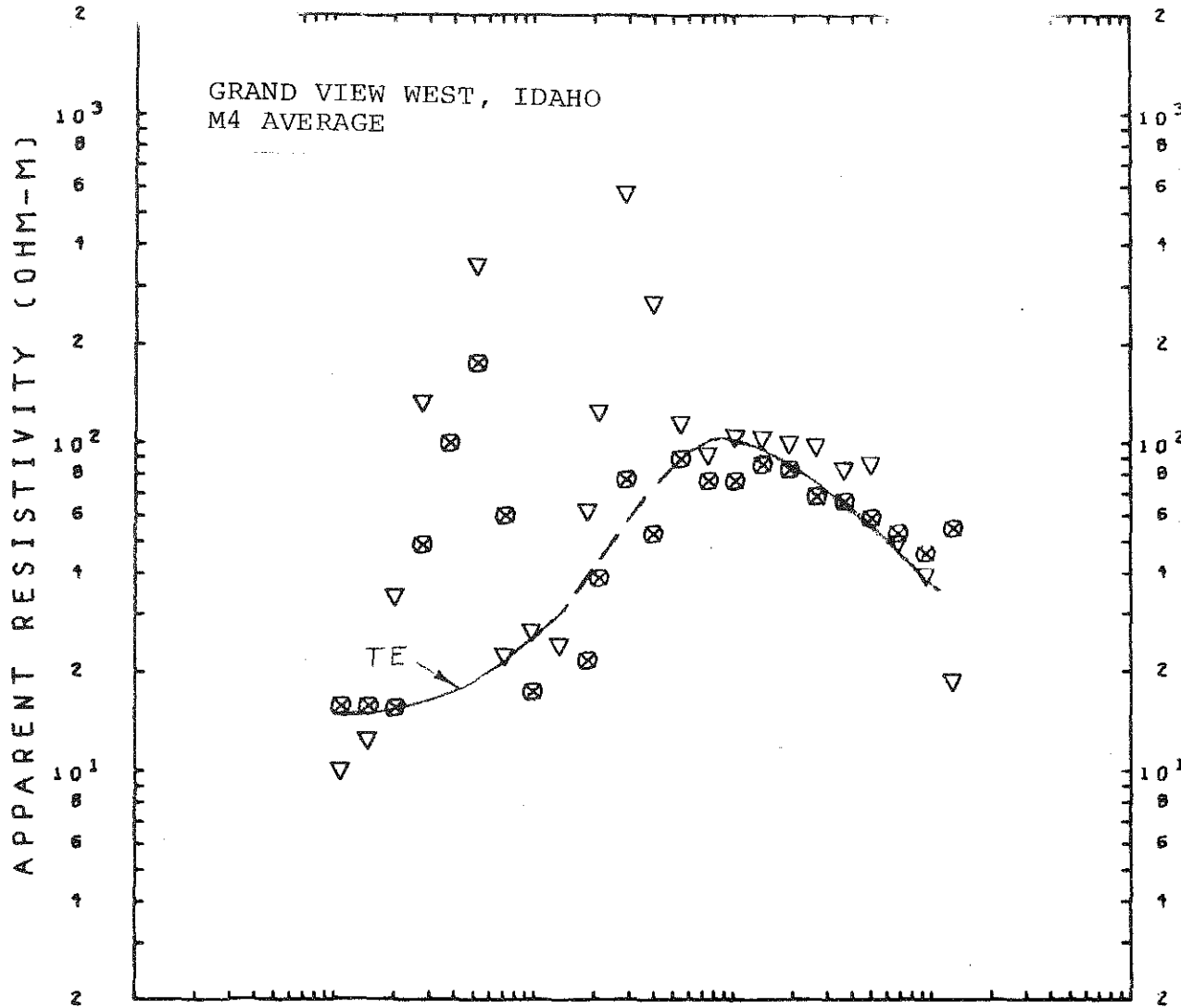
Tipper Rotation *

Tipper Skew X

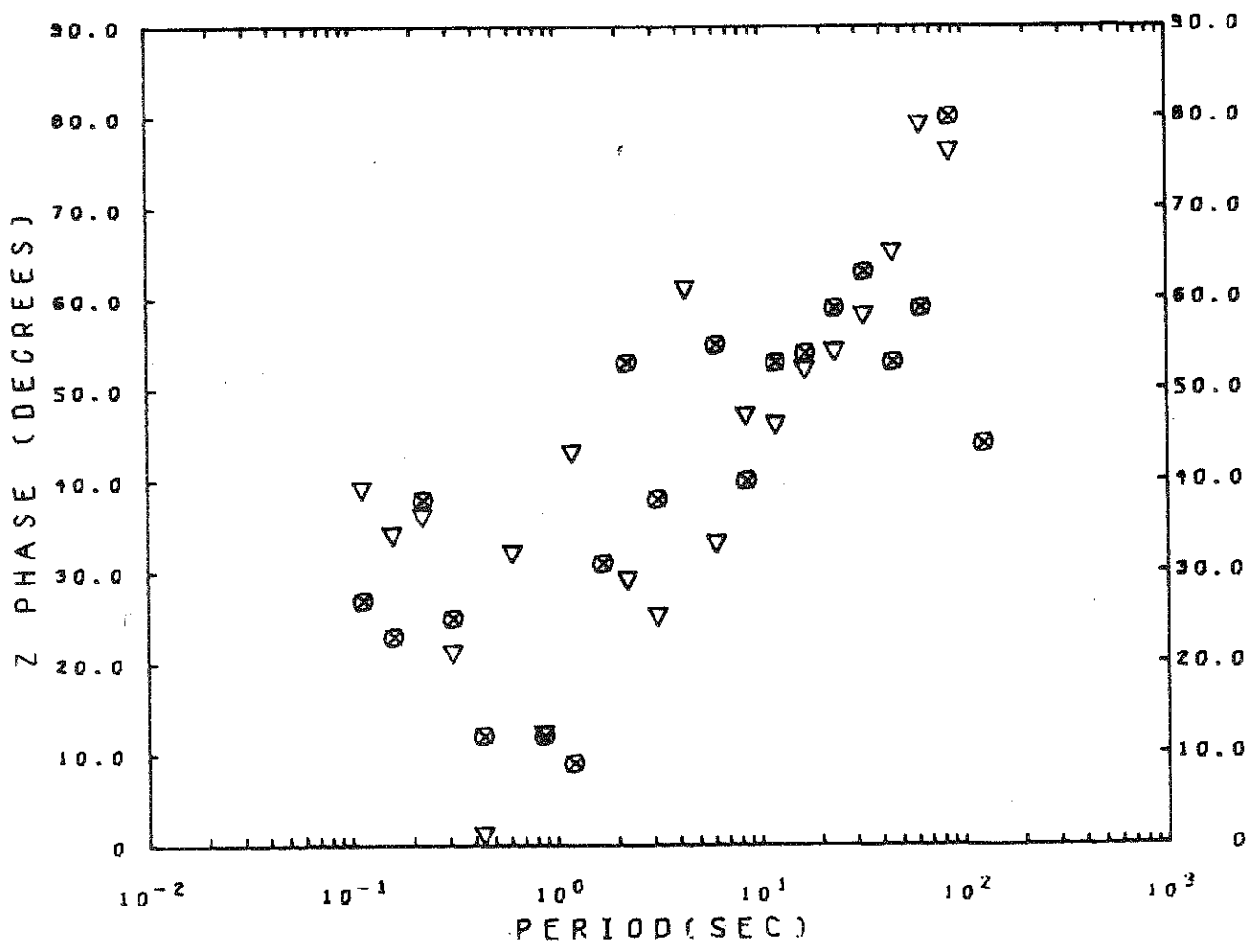
Phase, Rotated Axis ● X Axis
 ▼ Y Axis



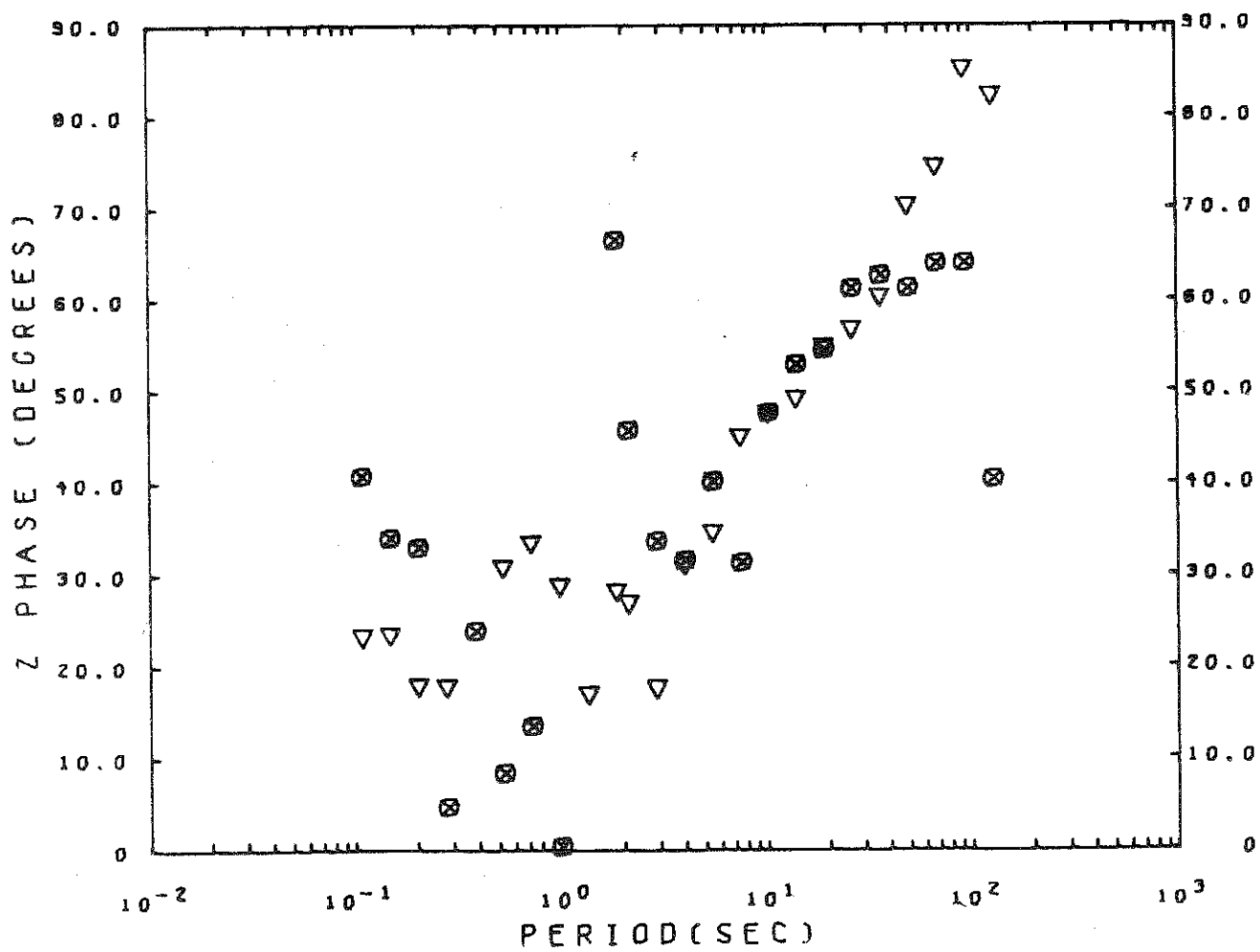
GRAND VIEW WEST, IDAHO
M4 AVERAGE



GRAND VIEW WEST, IDAHO
M4 REMOTE



GRAND VIEW WEST, IDAHO
M4 AVERAGE



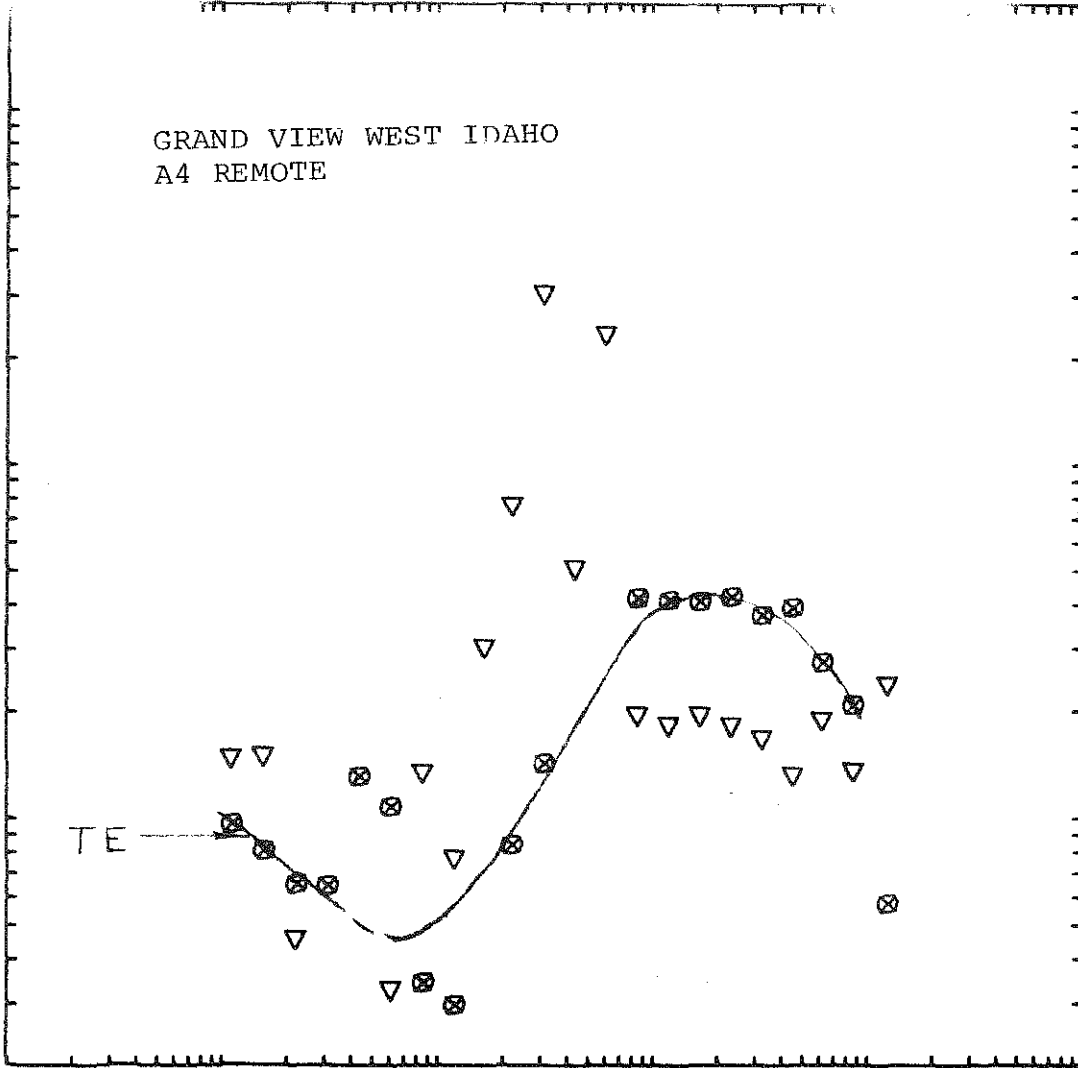
GRAND VIEW WEST IDAHO
A4 REMOTE

APPARENT RESISTIVITY (OHM-M)

10³
8
6
4
2
10²
8
6
4
2
10¹
8
6
4
2

10³
8
6
4
2
10²
8
6
4
2
10¹
8
6
4
2

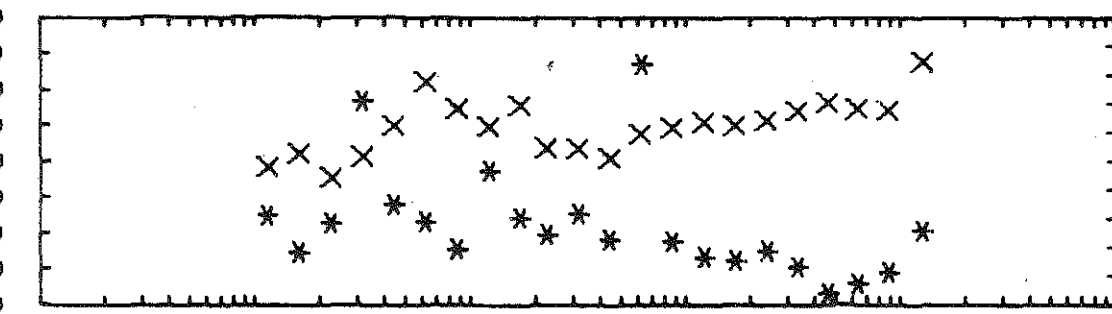
TE



Z-ROTATION

120.0
90.0
60.0
30.0
0
-30.0
-60.0
-90.0
-120.0

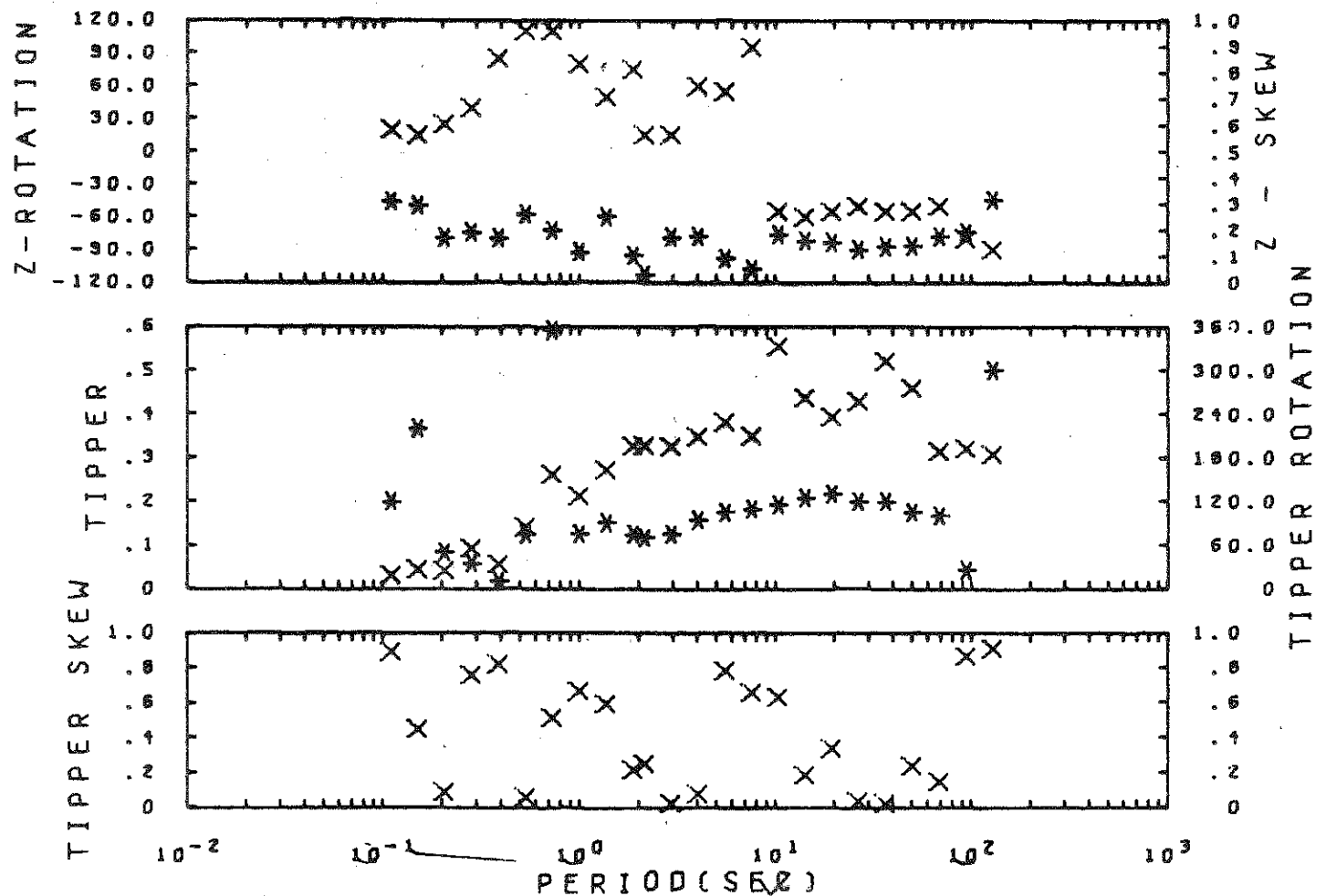
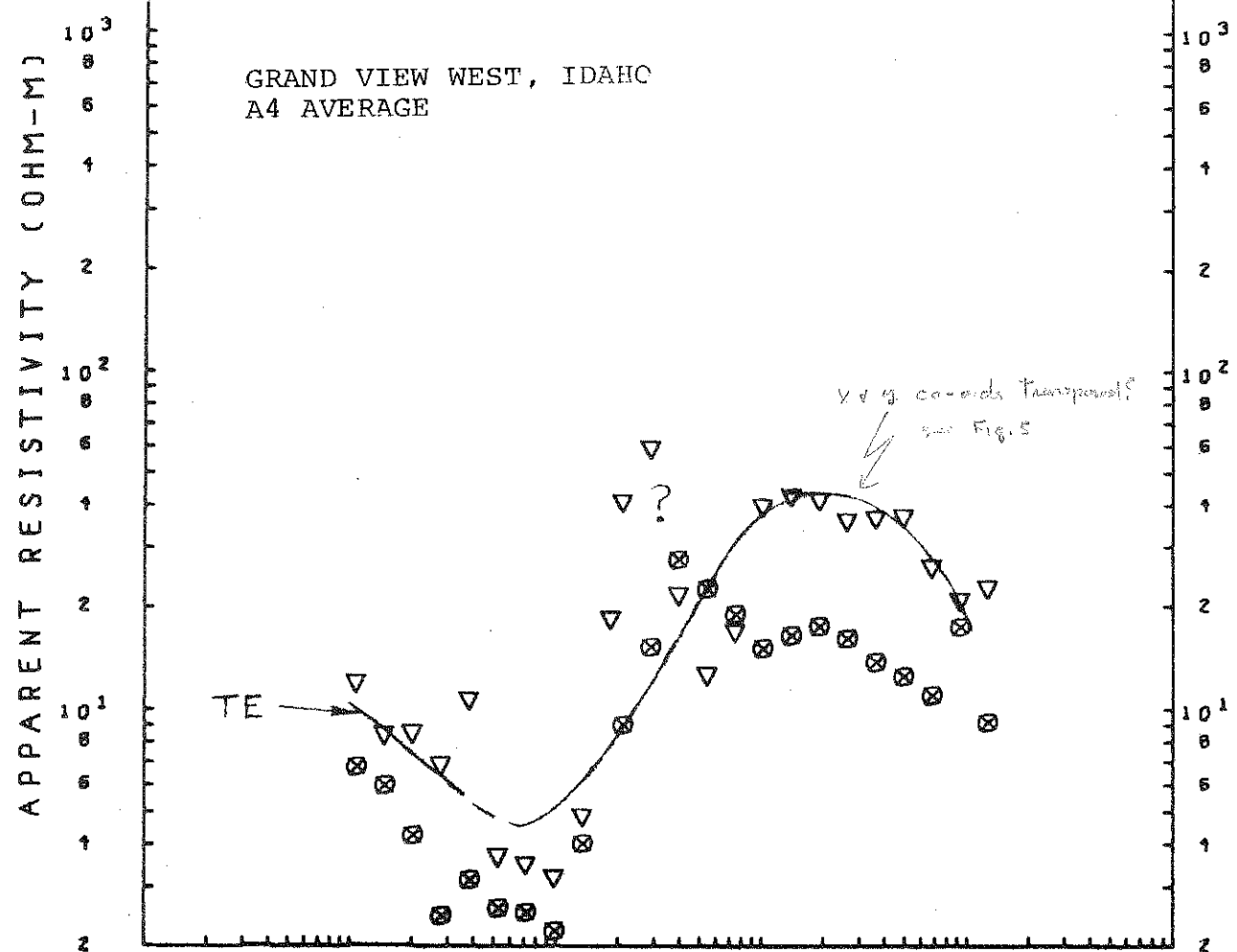
1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0



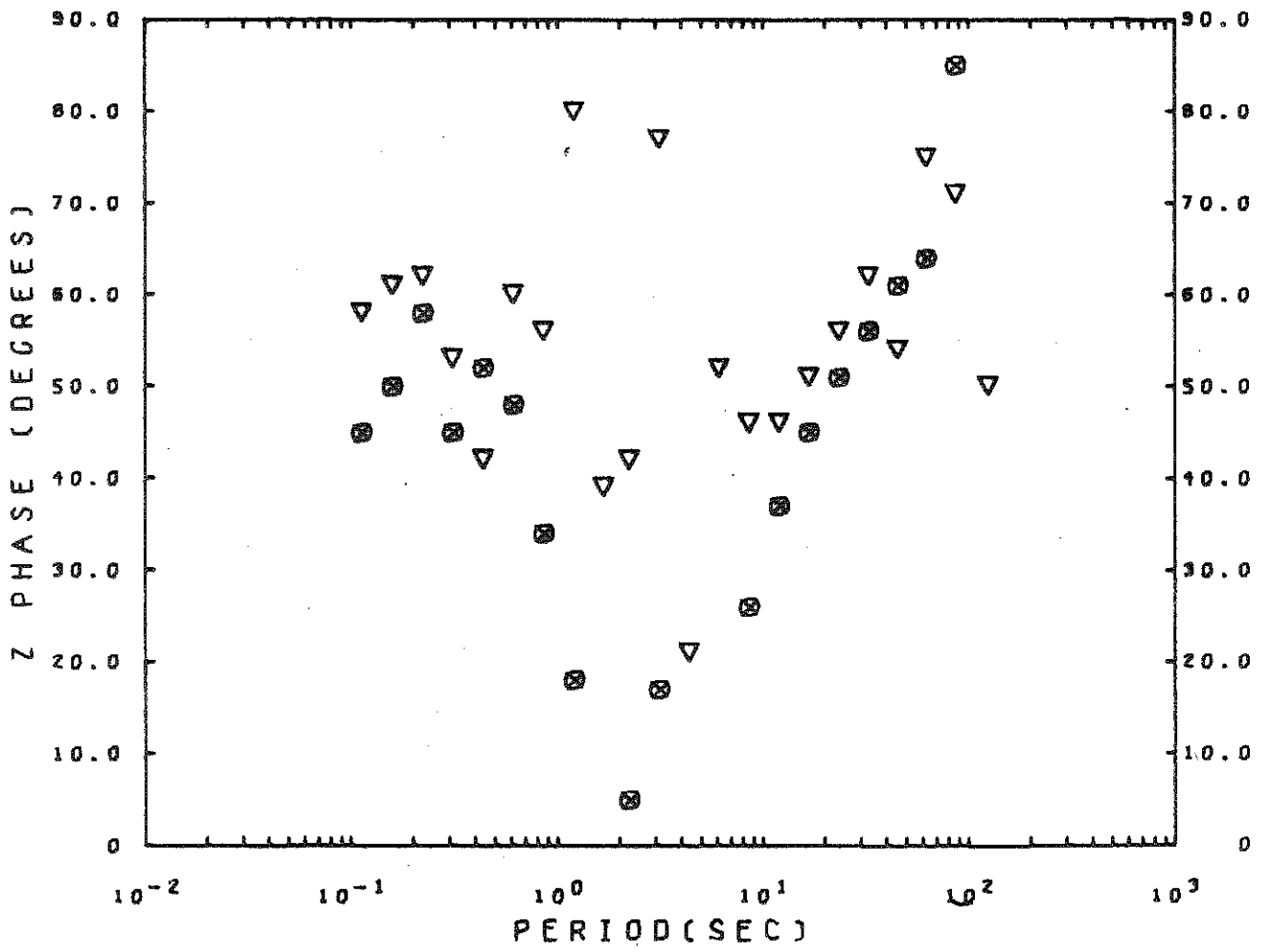
PERIOD (SEC)

10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³

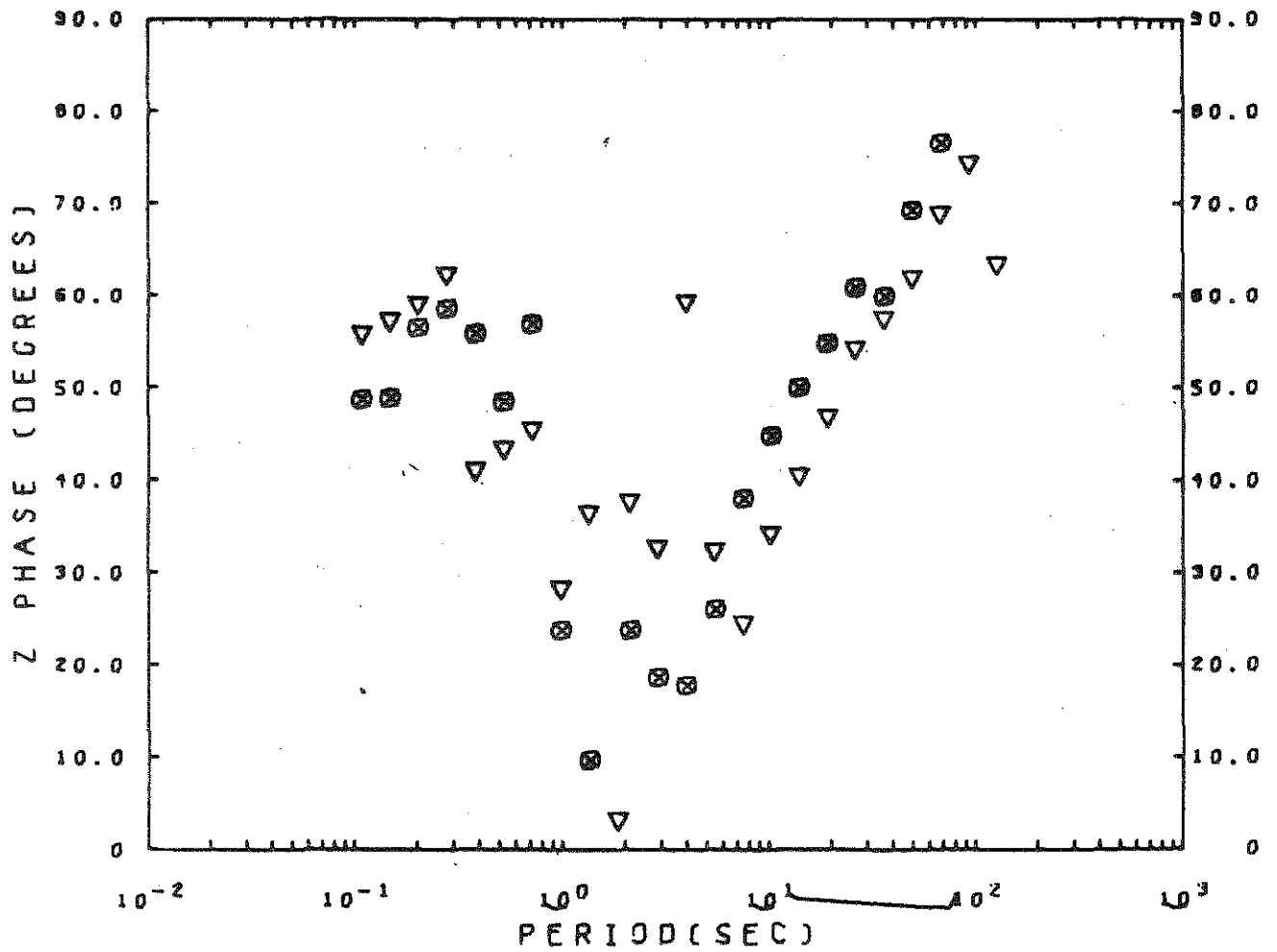
GRAND VIEW WEST, IDAHO
A4 AVERAGE

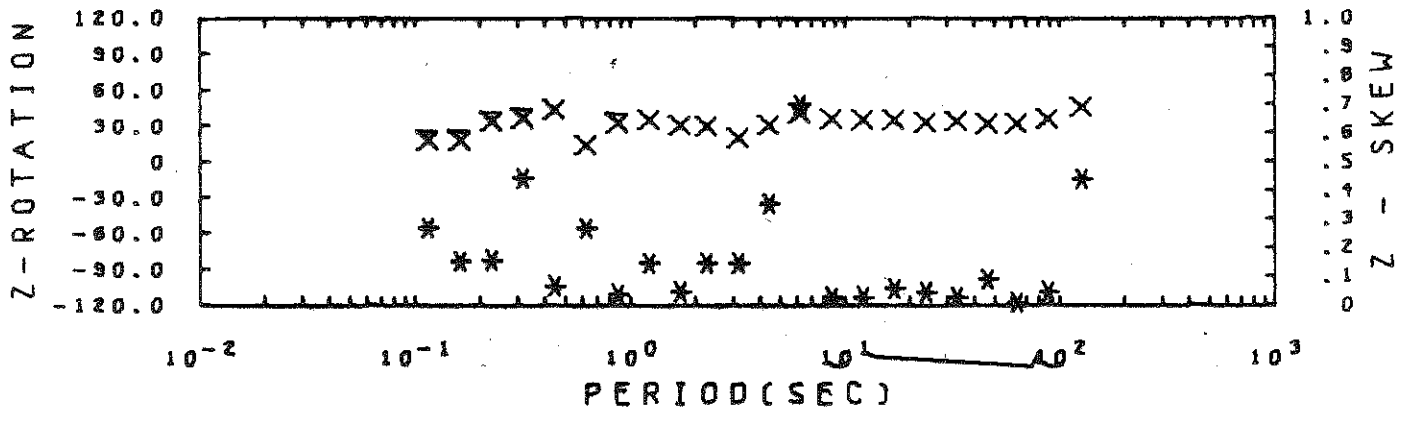
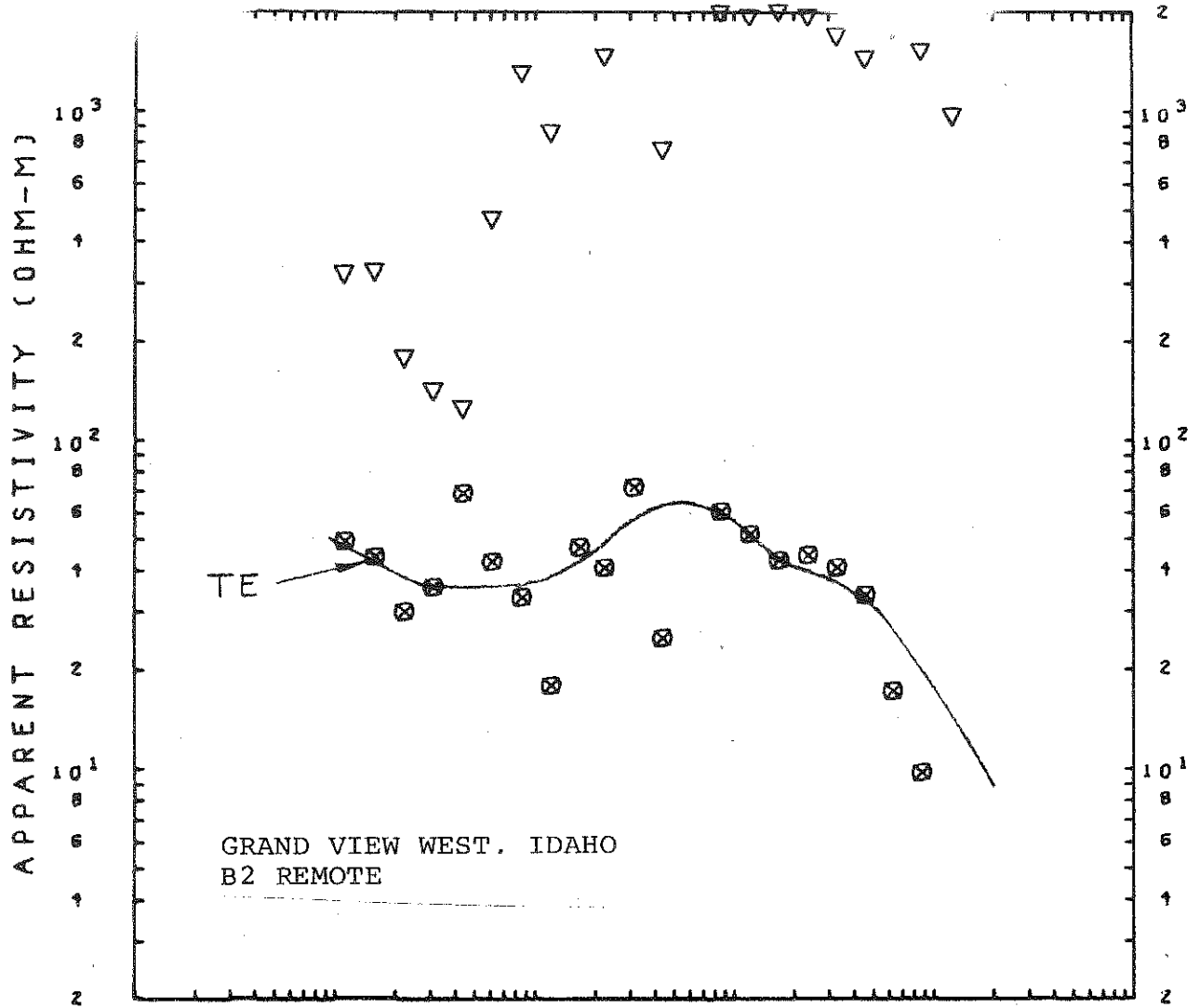


GRAND VIEW WEST, IDAHO
A4 REMOTE

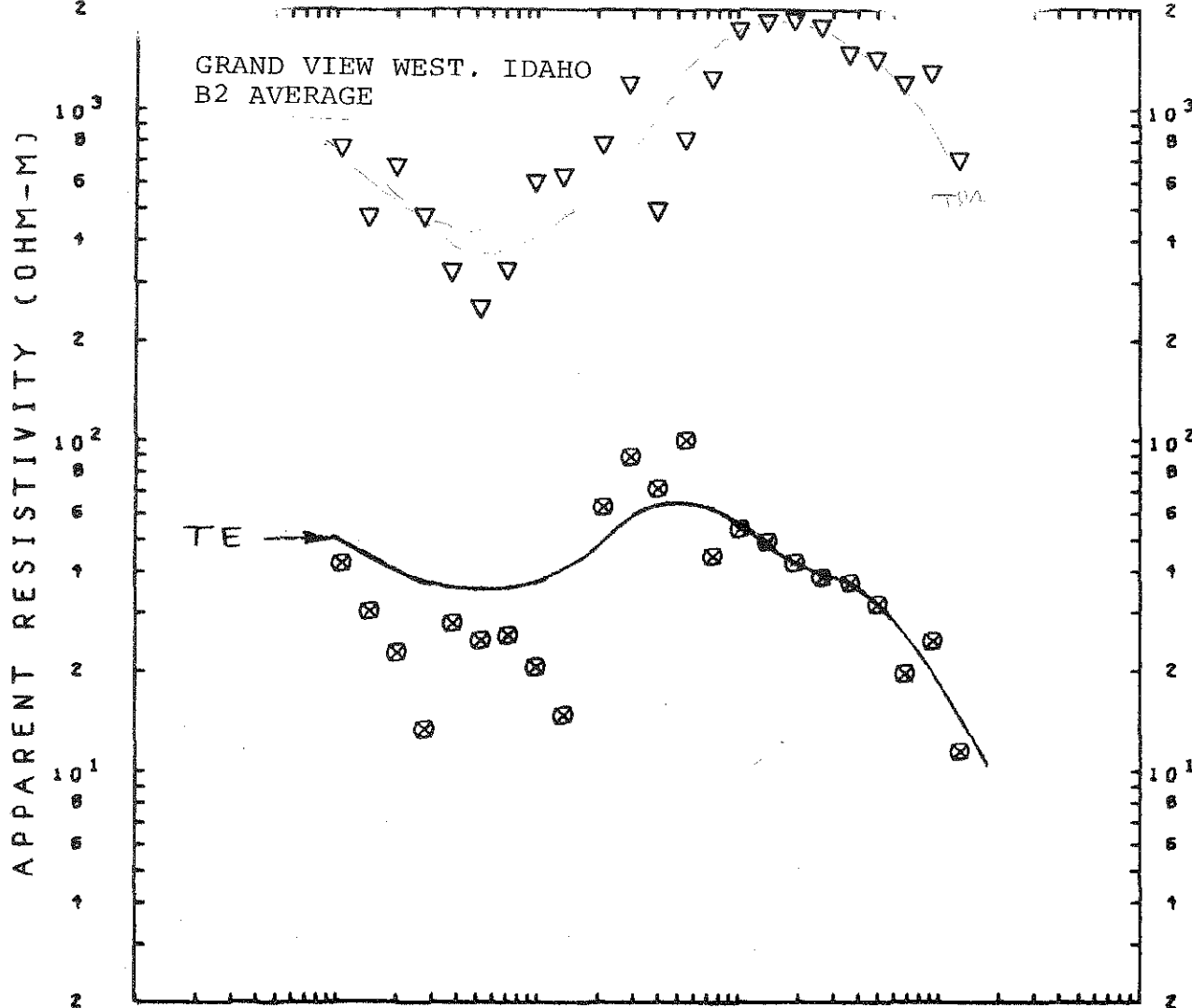


GRAND VIEW WEST, IDAHO
A4 AVERAGE

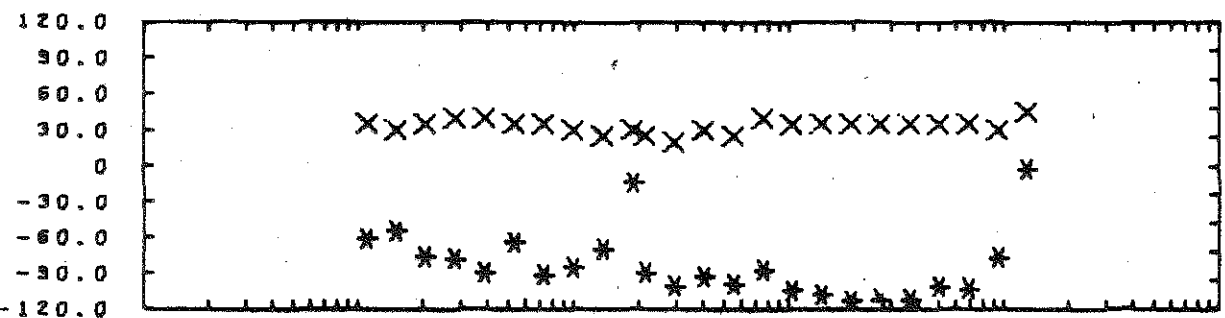




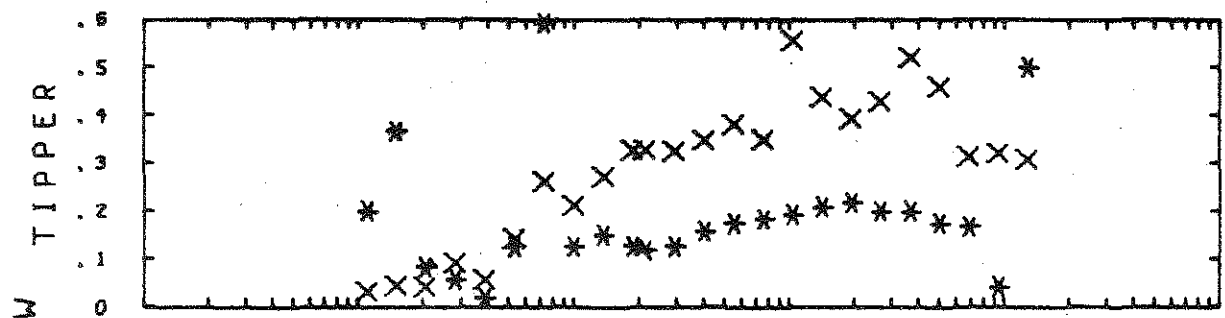
GRAND VIEW WEST, IDAHO
B2 AVERAGE



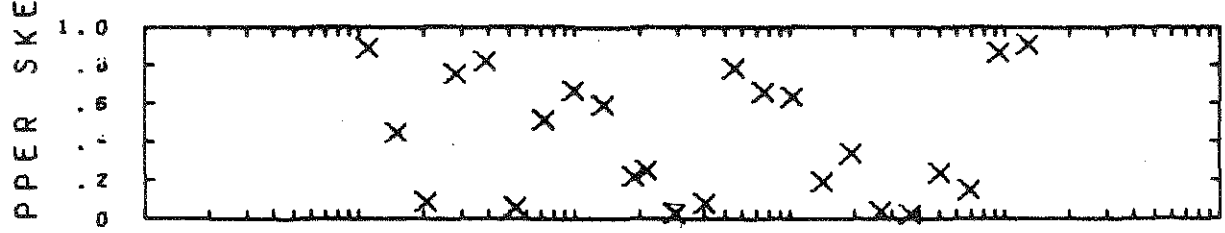
Z-ROTATION



TIPPER SKEW



TIPPER ROTATION



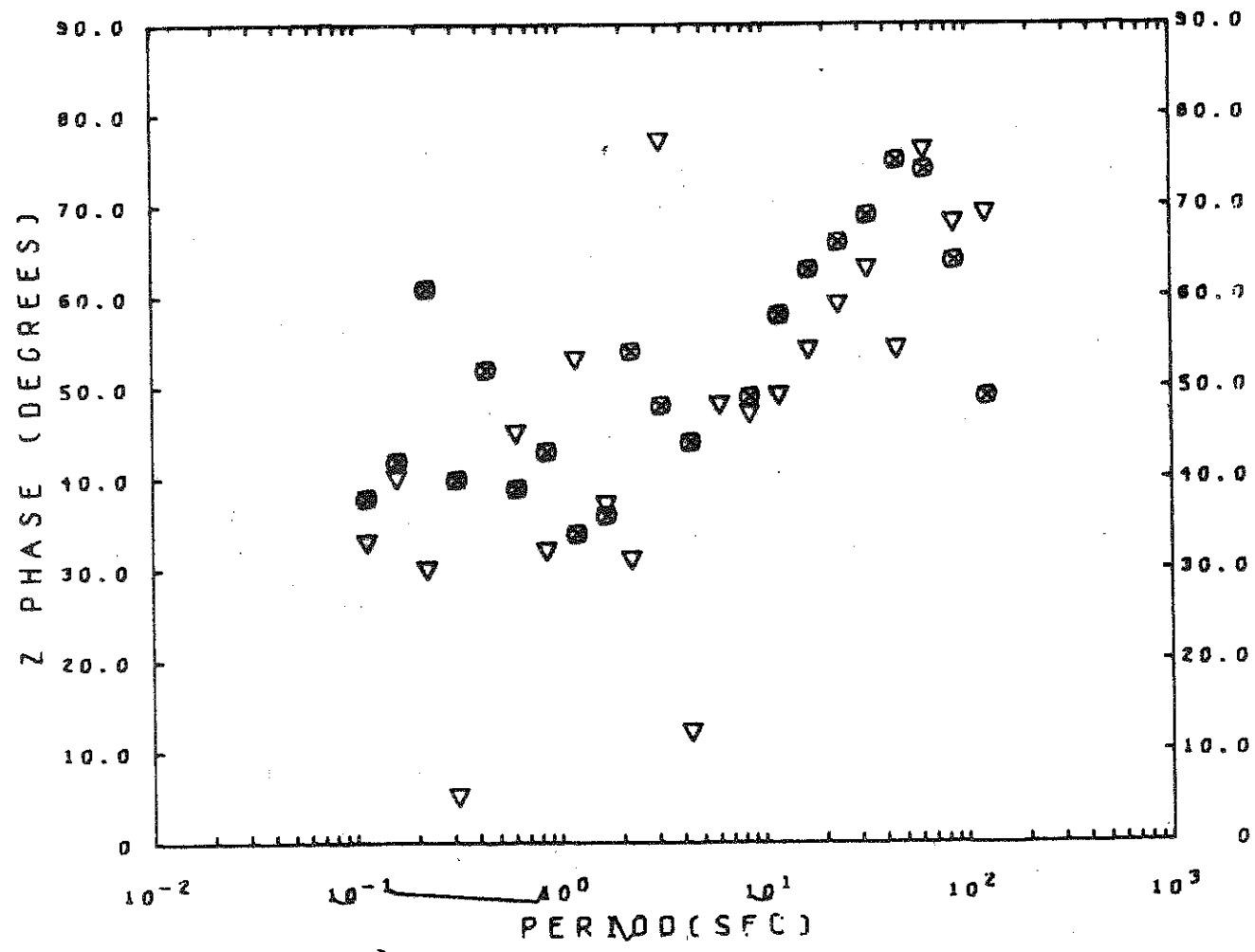
Z - SKEW

TIPPER ROTATION

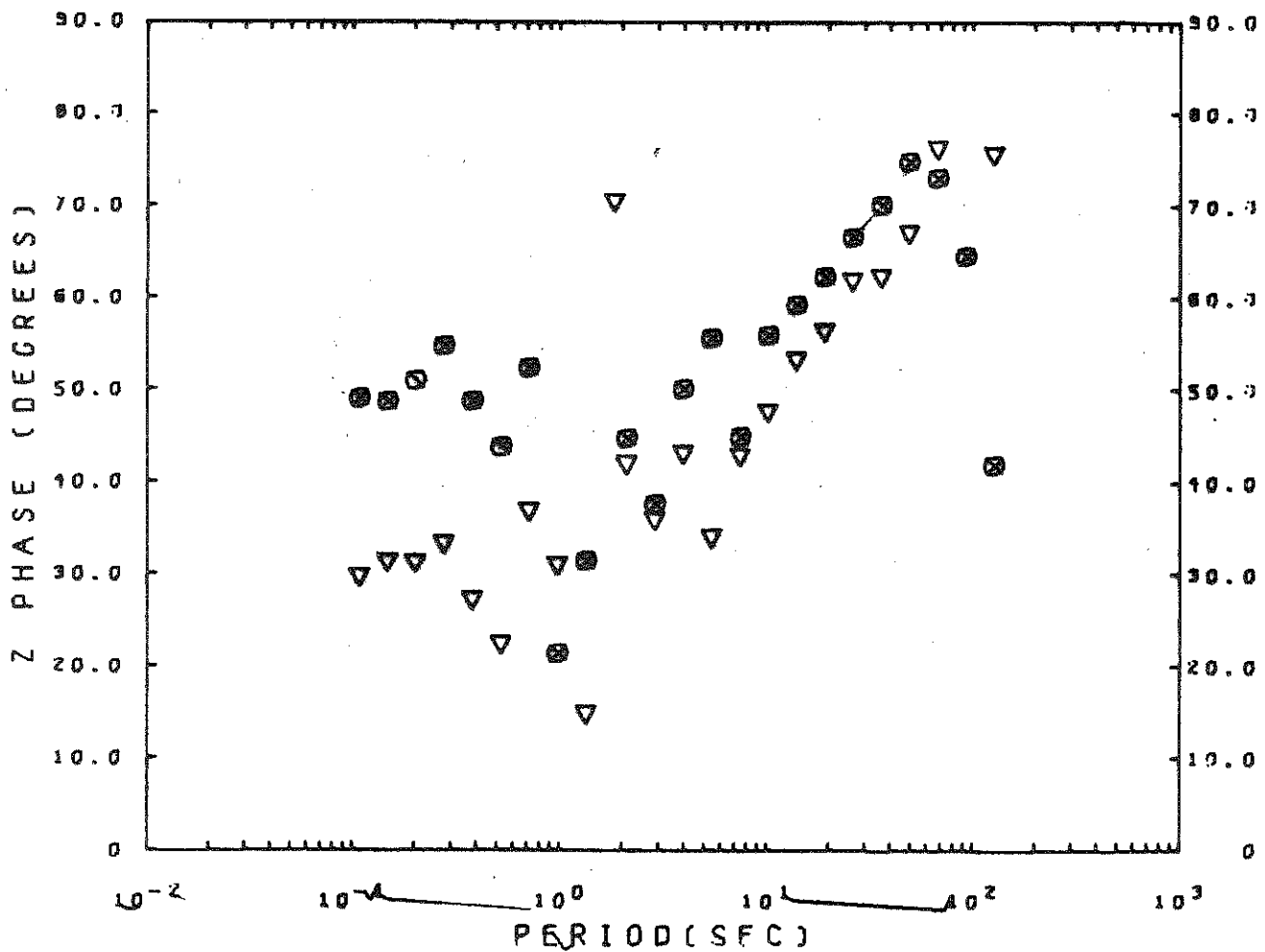
TIPPER ROTATION

PERIOD (SEC)

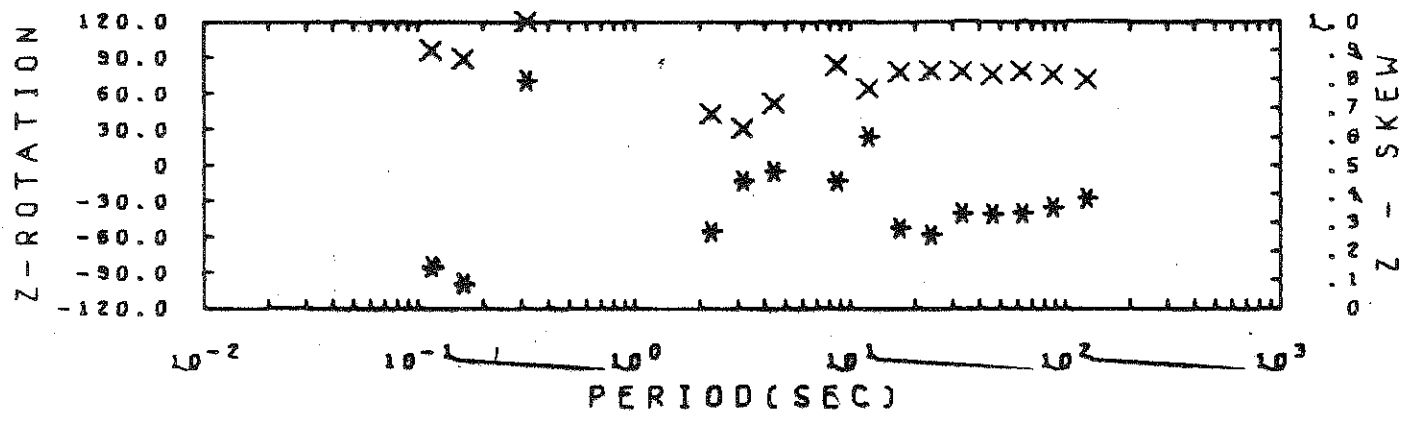
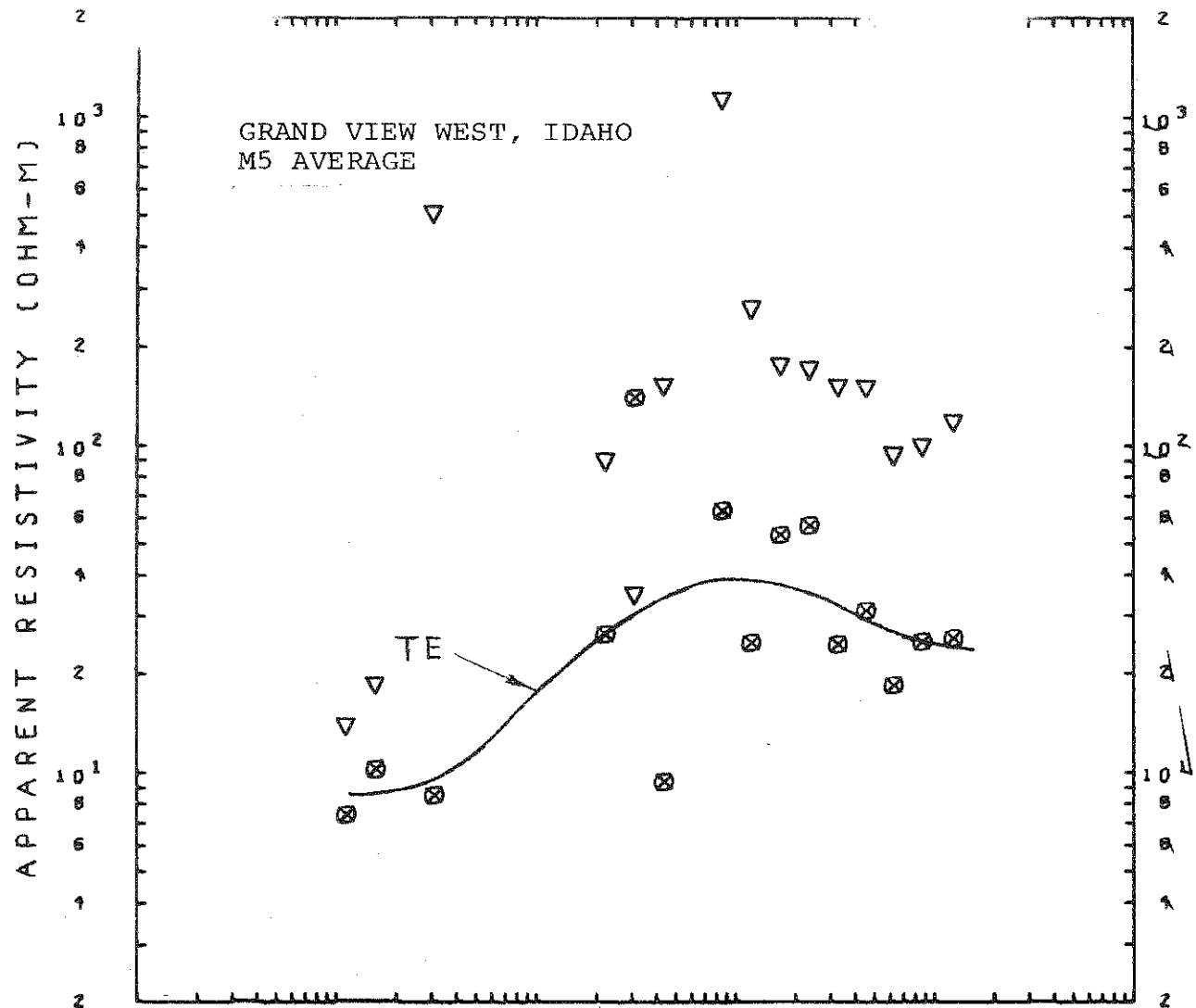
GRAND VIEW WEST, IDAHO
B2 REMOTE



GRAND VIEW WEST, IDAHO
B2 AVERAGE

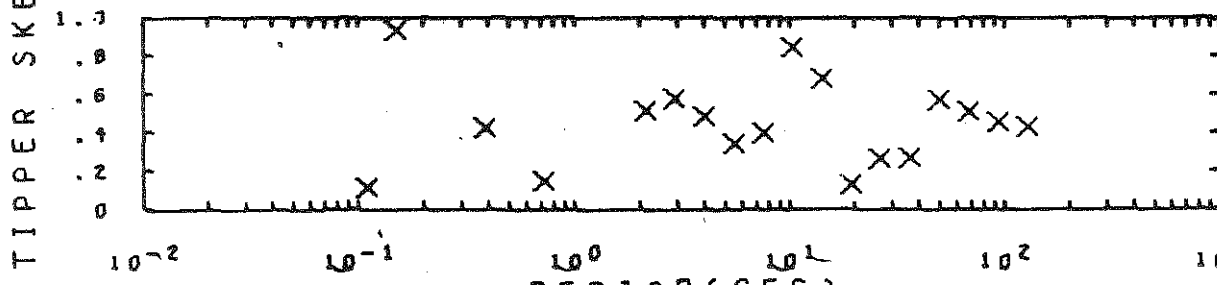
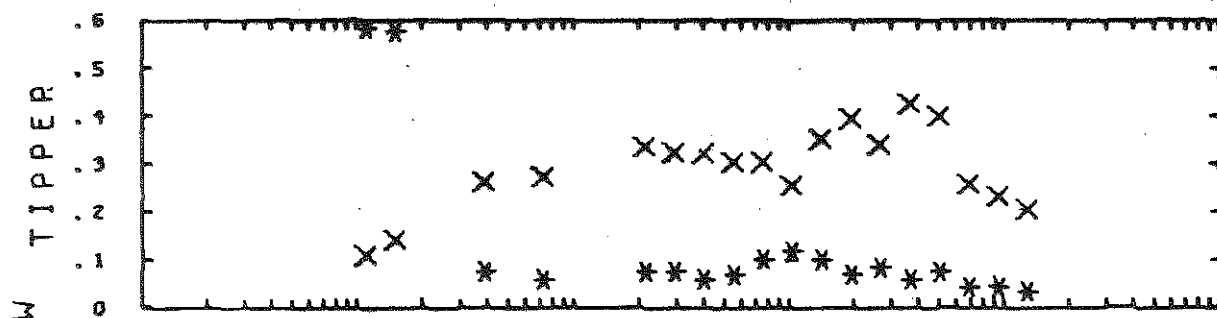
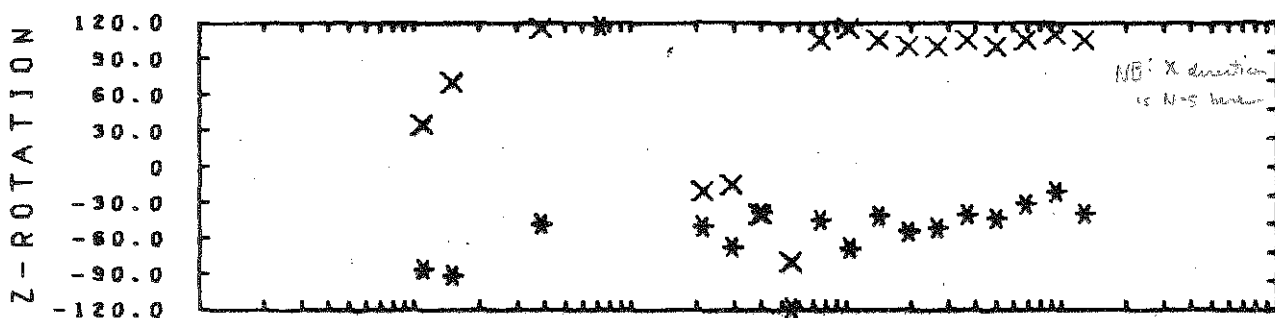
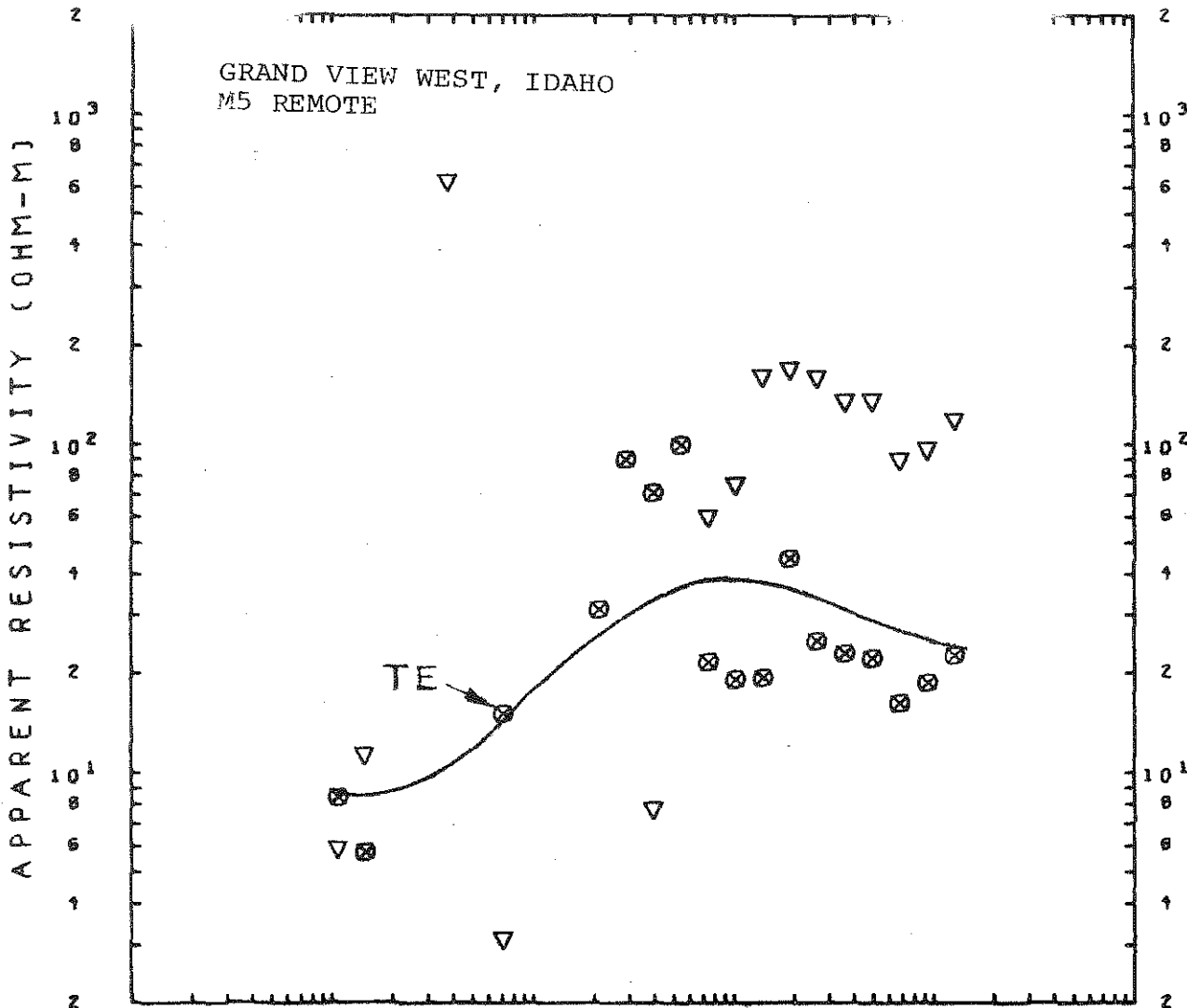


GRAND VIEW WEST, IDAHO
M5 AVERAGE



NB: X direction is N-S!
TE curve is TM?

GRAND VIEW WEST, IDAHO
M5 REMOTE

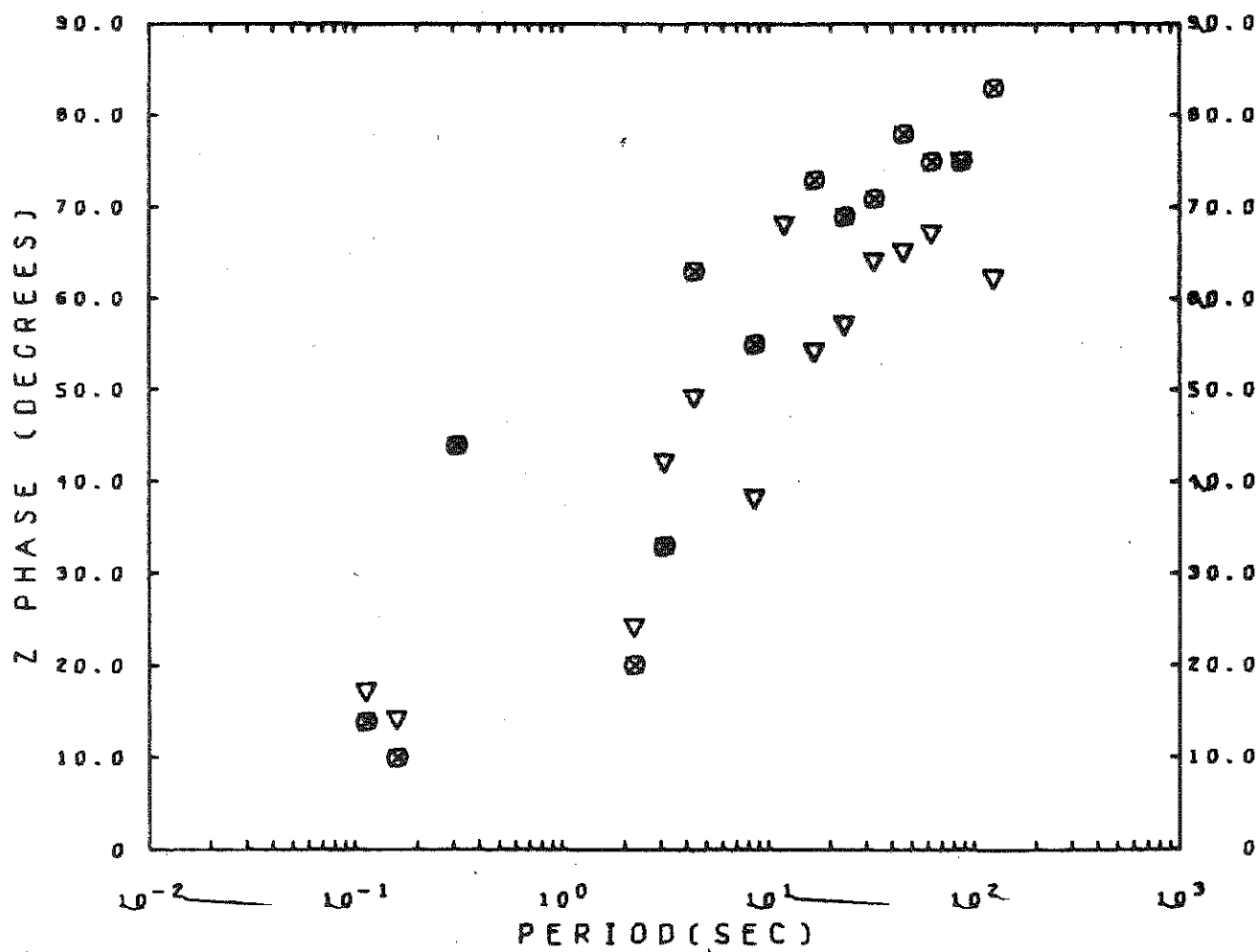


Z - SKEW

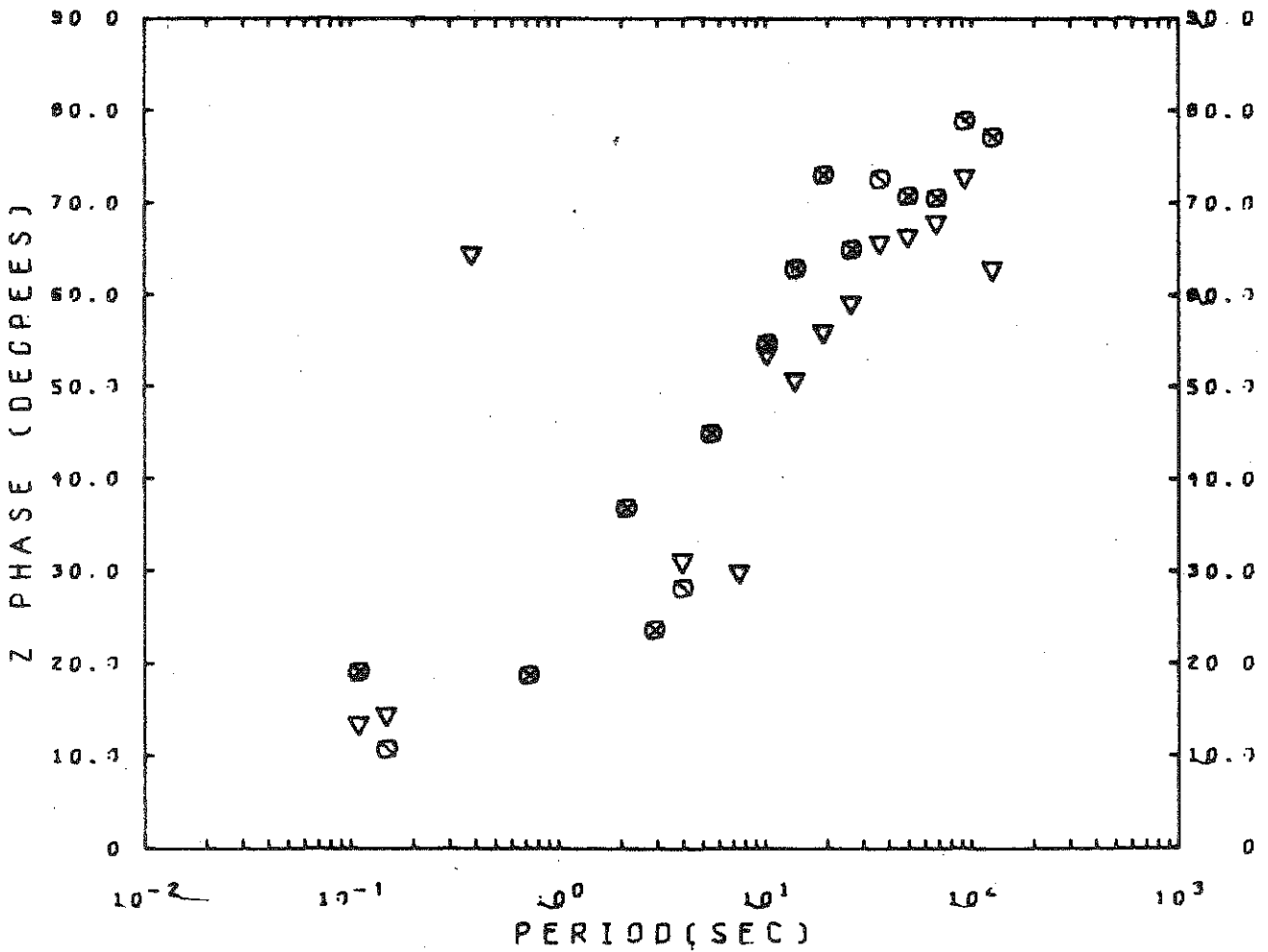
TIPPER ROTATION

PERIOD (SEC)

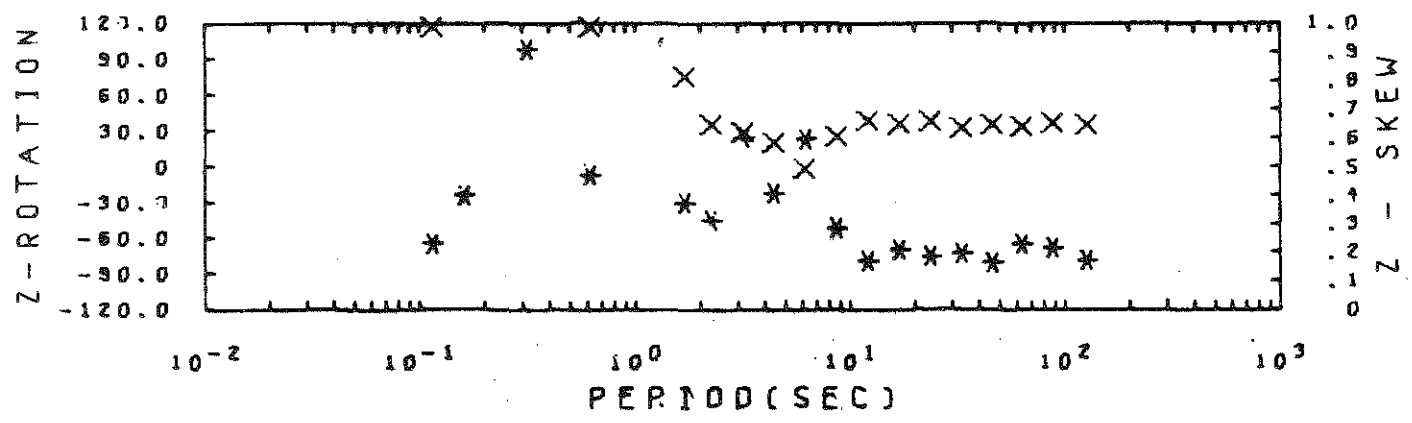
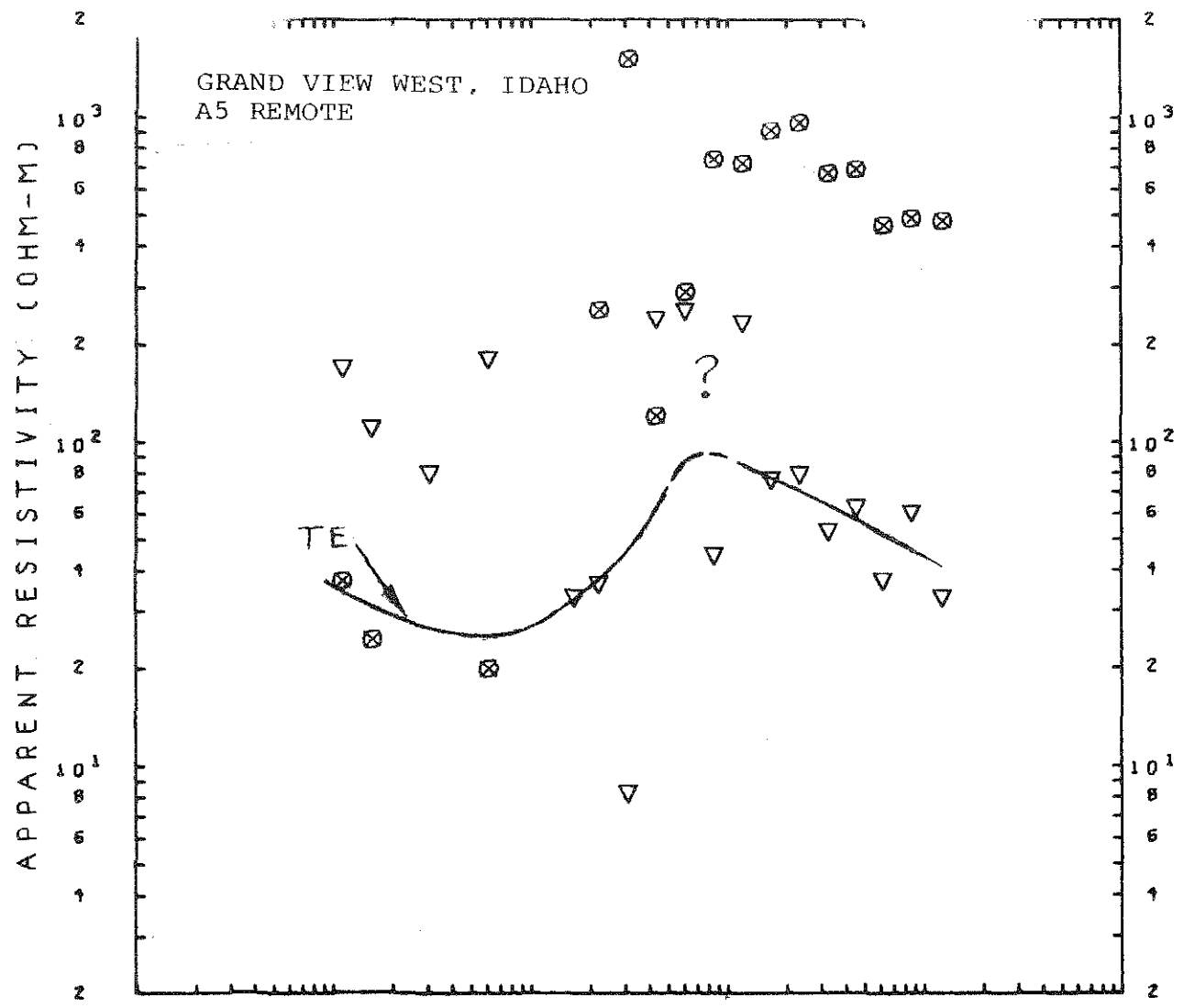
GRAND VIEW WEST, IDAHO
M5 REMOTE



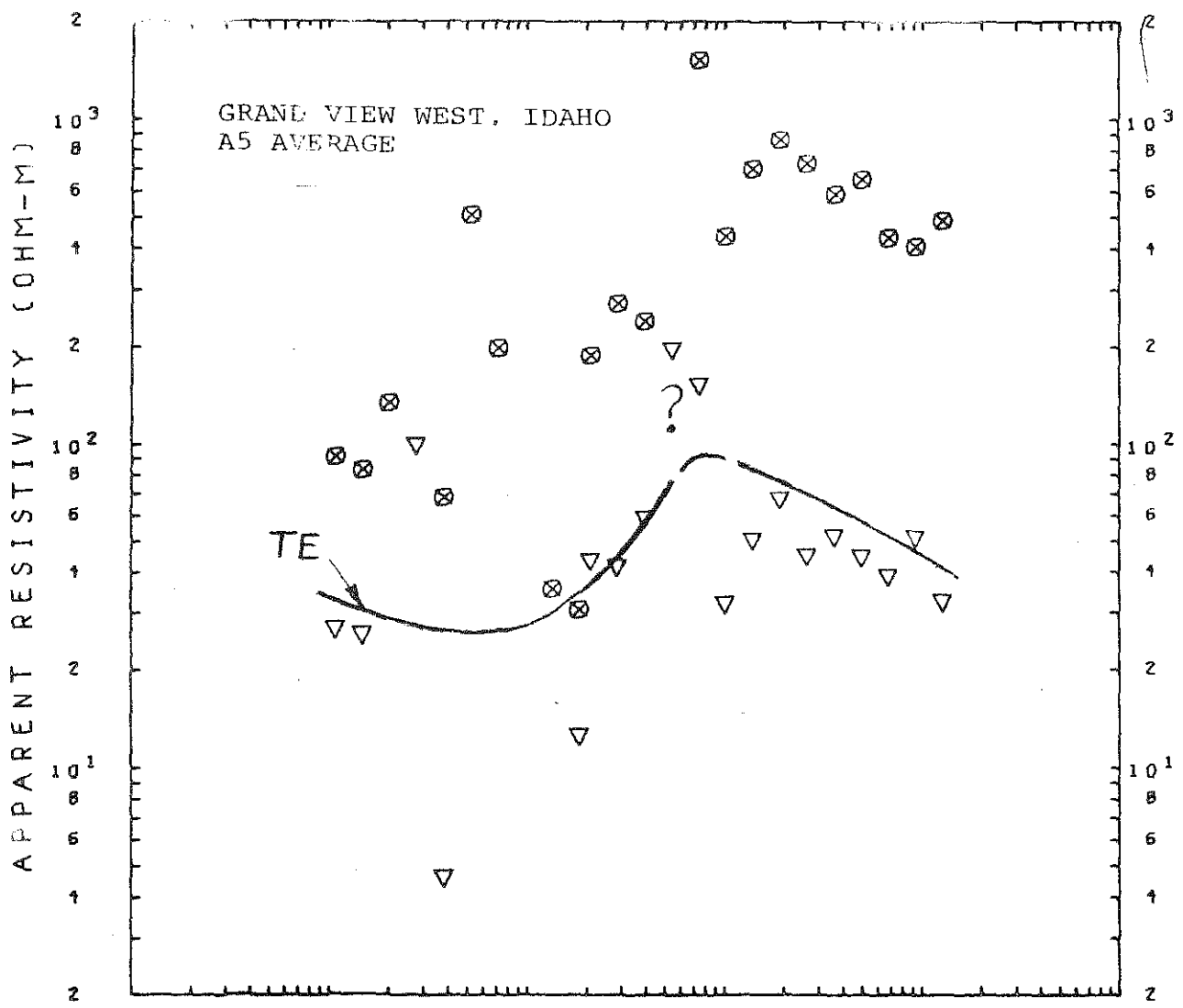
GRAND VIEW WEST, IDAHO
M5 AVERAGE



GRAND VIEW WEST, IDAHO
A5 REMOTE

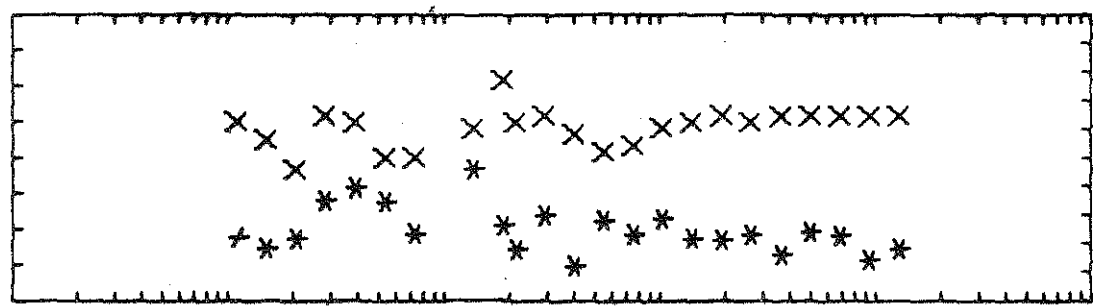


GRAND VIEW WEST, IDAHO
A5 AVERAGE



Z-ROTATION

120.0
90.0
60.0
30.0
0
-30.0
-60.0
-90.0
-120.0

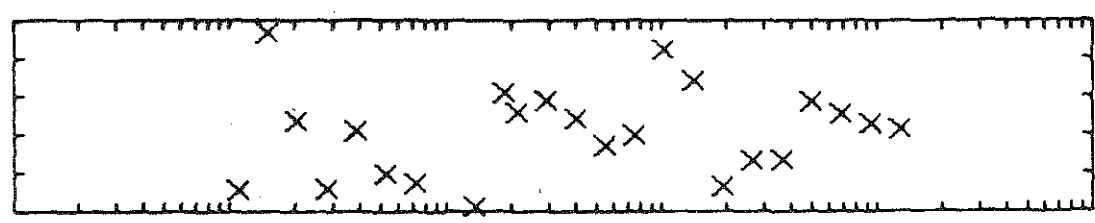
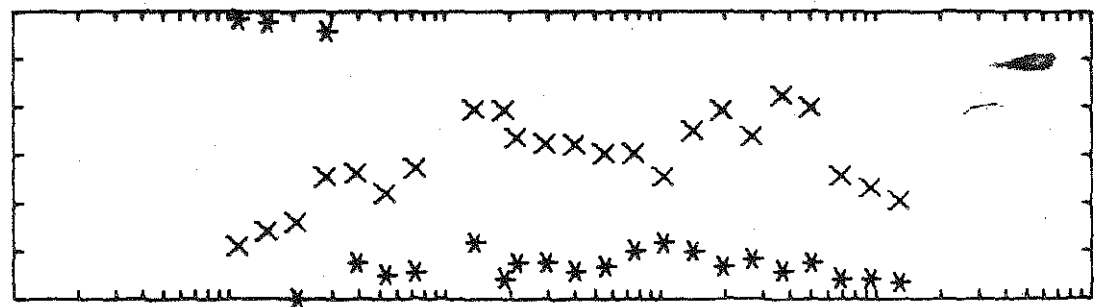


1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0

TIPPER

TIPPER SKEW

.6
.5
.4
.3
.2
.1
0



360.0
300.0
240.0
180.0
120.0
60.0
0

1.0
.8
.6
.4
.2
0

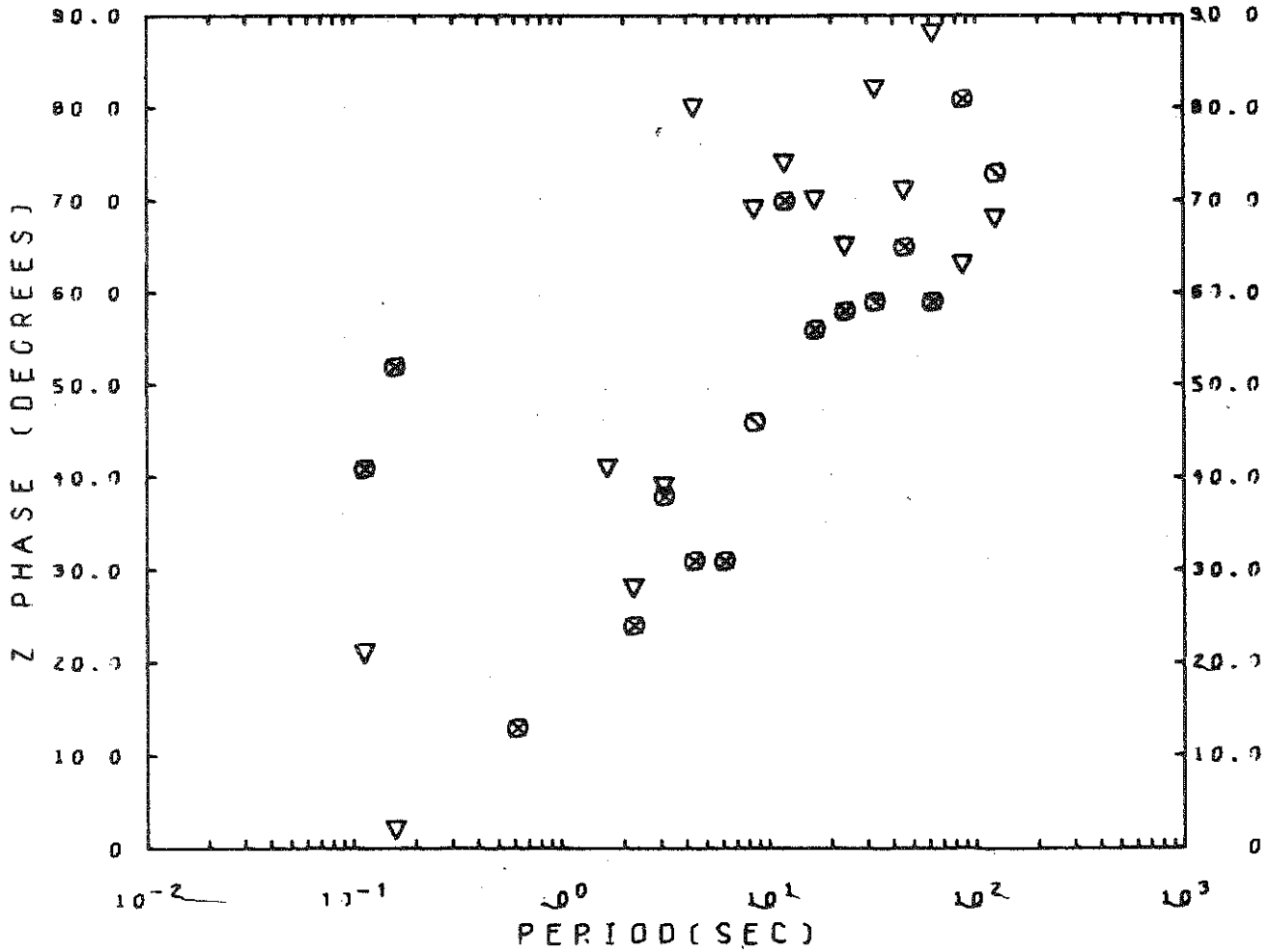
PERIOD (SEC)

10³

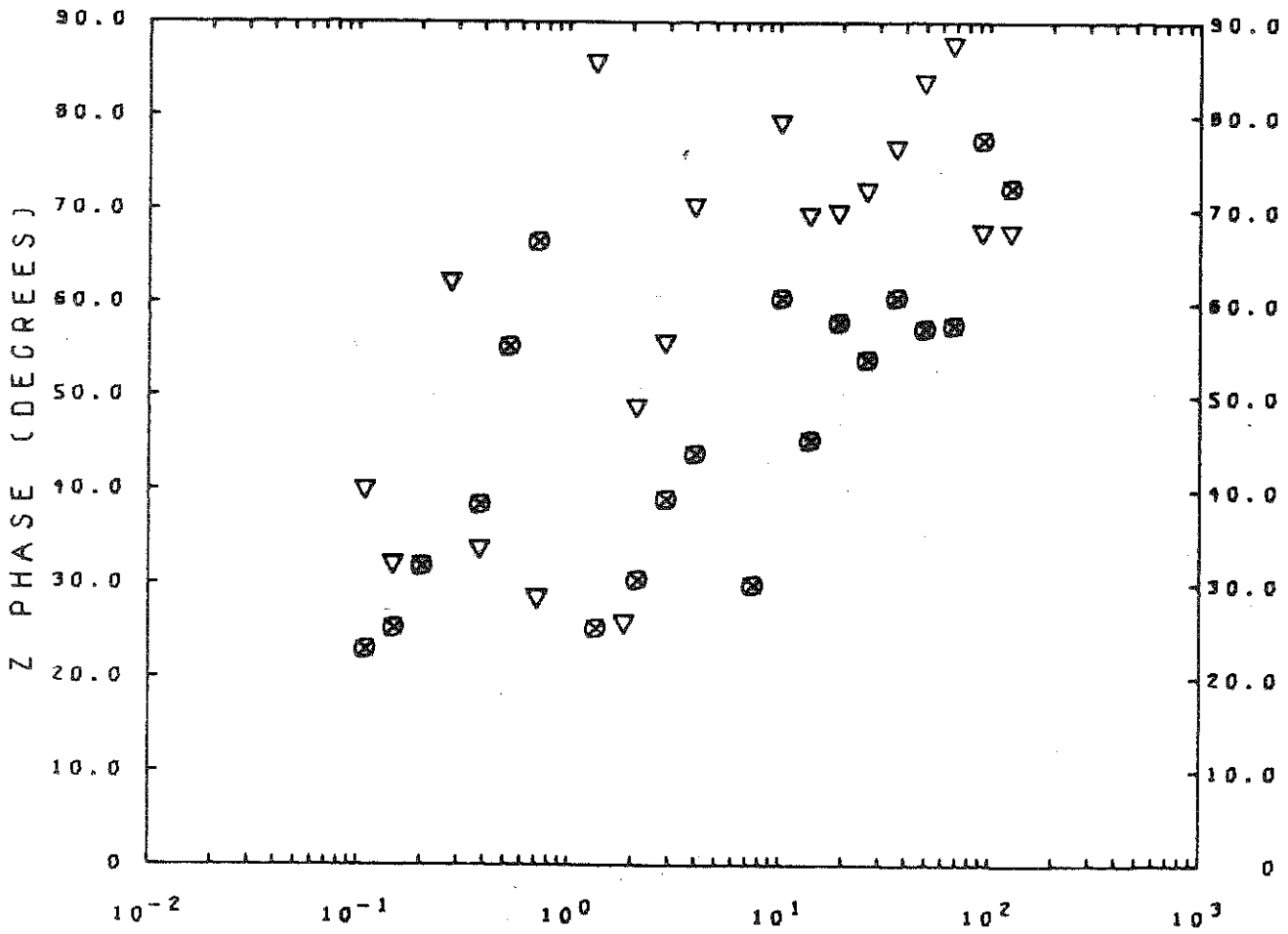
10¹

10²

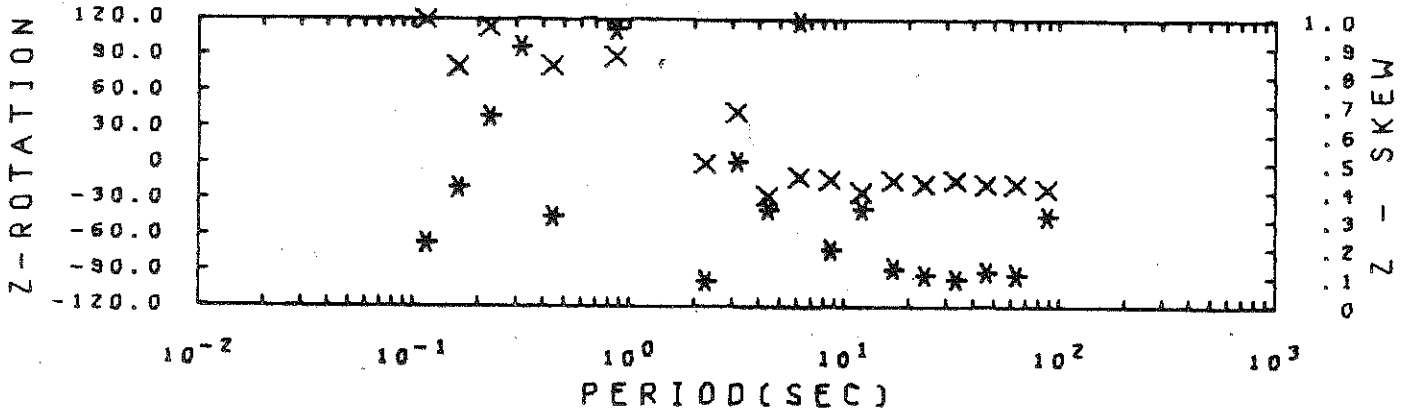
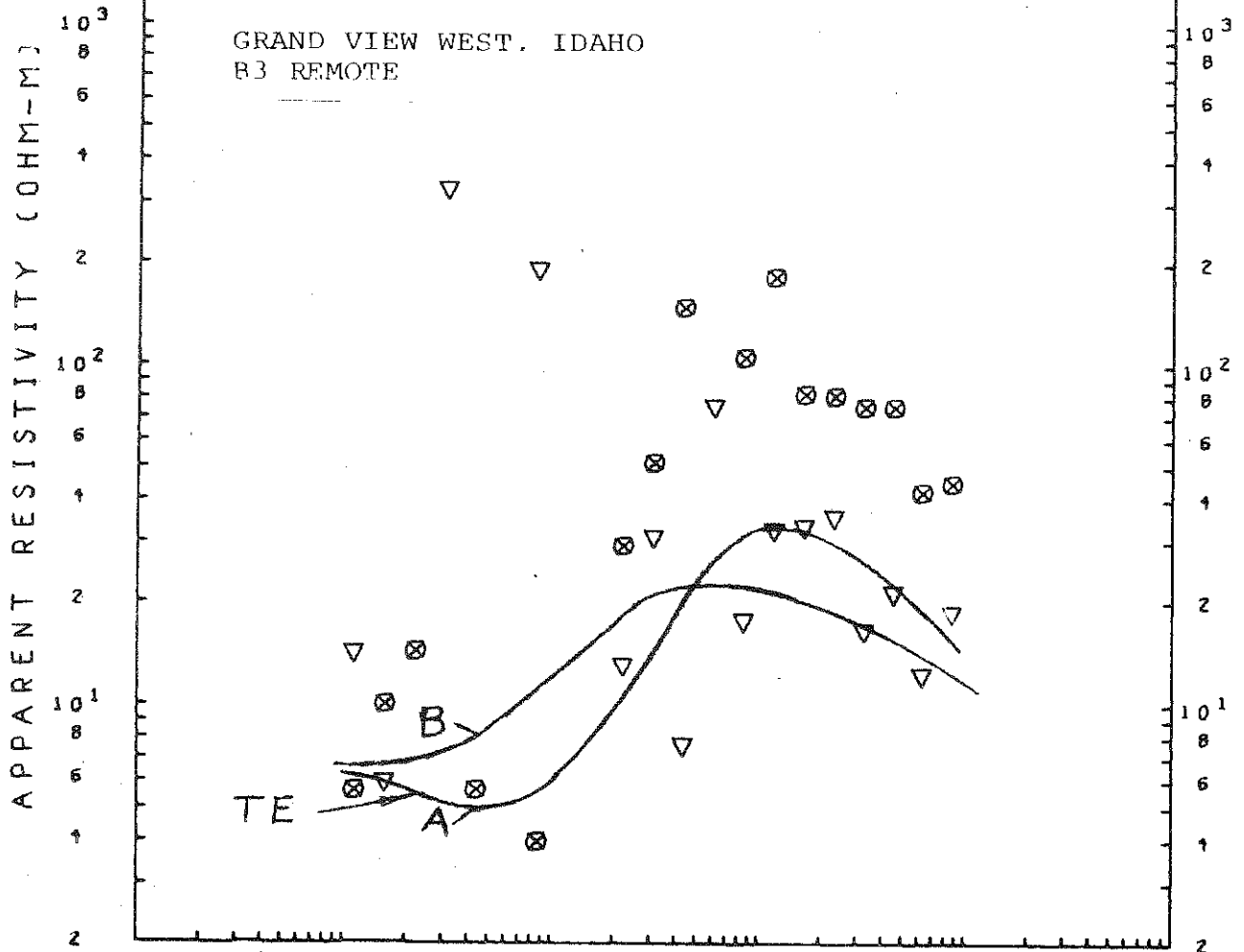
GRAND VIEW WEST, IDAHO
A5 REMOTE



GRAND VIEW WEST, IDAHO
A5 AVERAGE



GRAND VIEW WEST, IDAHO
B3 REMOTE



GRAND VIEW WEST. IDAHO
B3 AVERAGE

APPARENT RESISTIVITY (OHM-M)

10³
8
6
4
2
10²
8
6
4
2
10¹
8
6
4
2

10³
8
6
4
2
10²
8
6
4
2
10¹
8
6
4
2

TE

A

B

Z-ROTATION

120.0
90.0
60.0
30.0
0
-30.0
-60.0
-90.0
-120.0

1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0

TIPPER
TIPPER SKEW

.6
.5
.4
.3
.2
.1
0

360.0
300.0
240.0
180.0
120.0
60.0
0

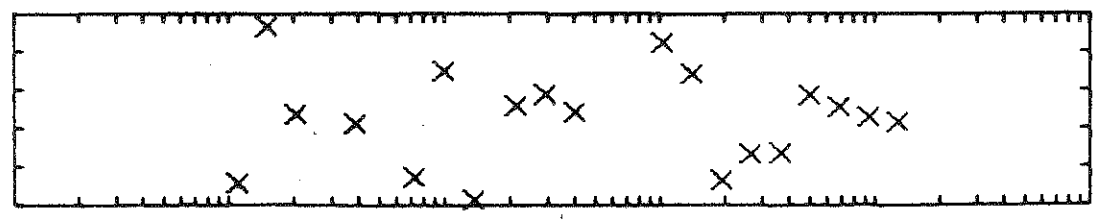
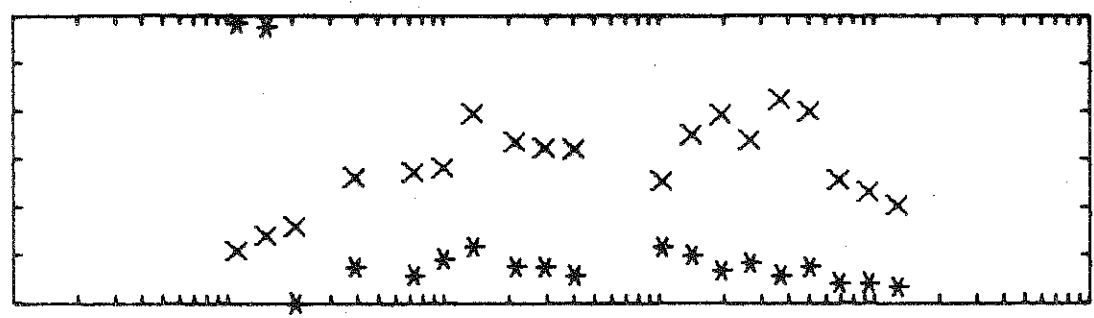
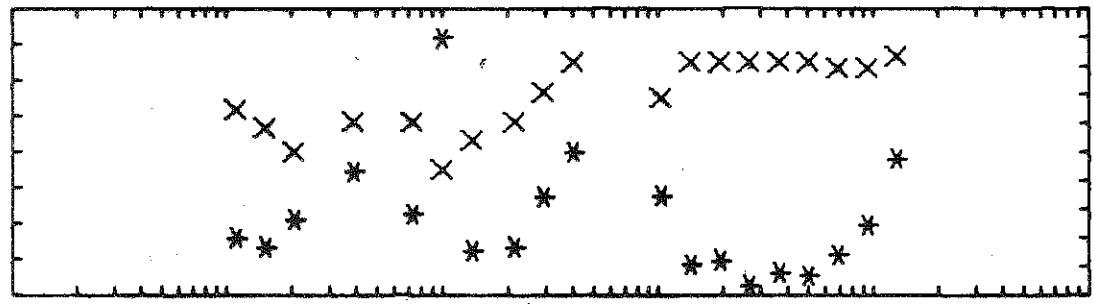
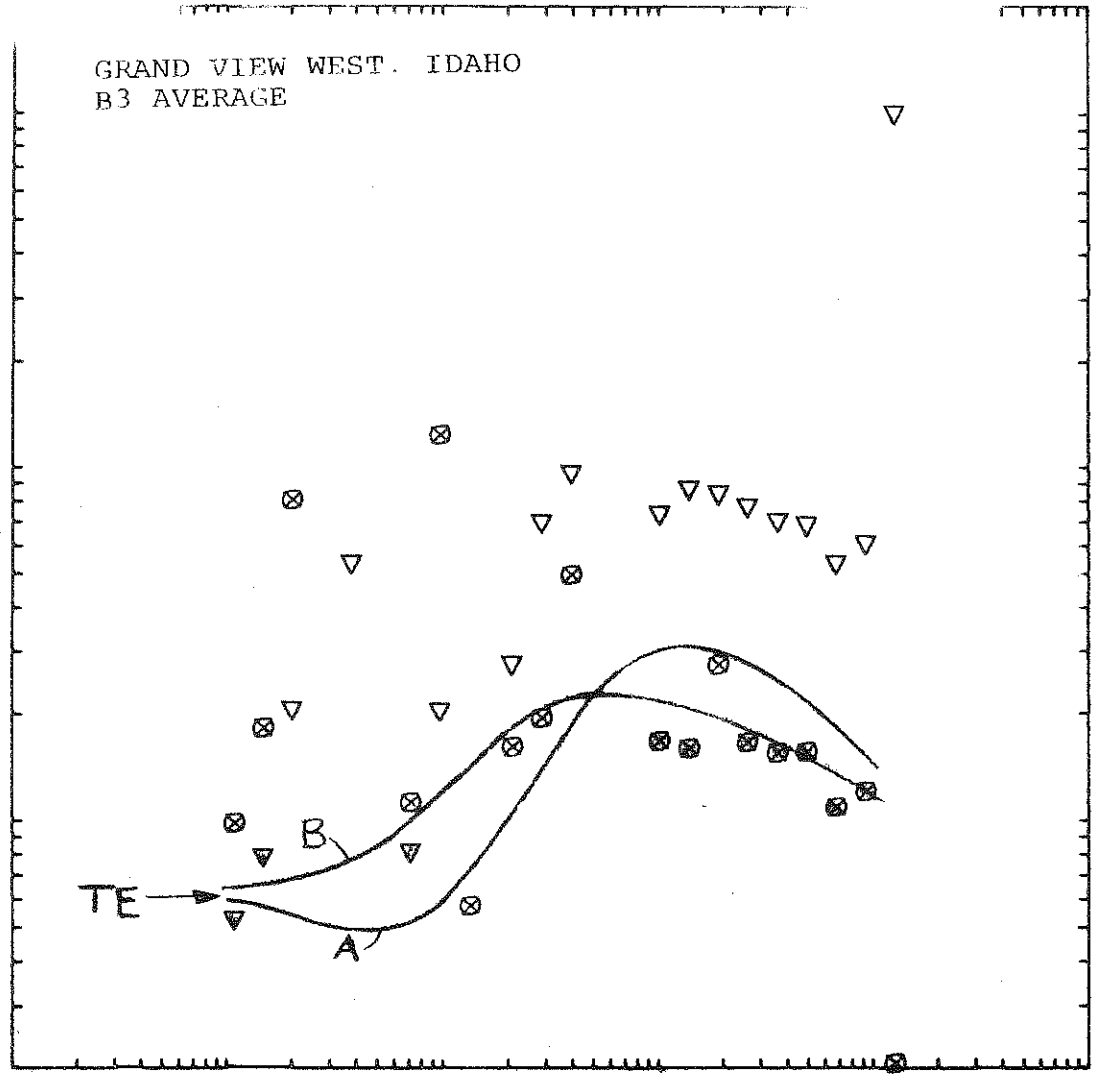
TIPPER SKEW

1.0
.8
.6
.4
.2
0

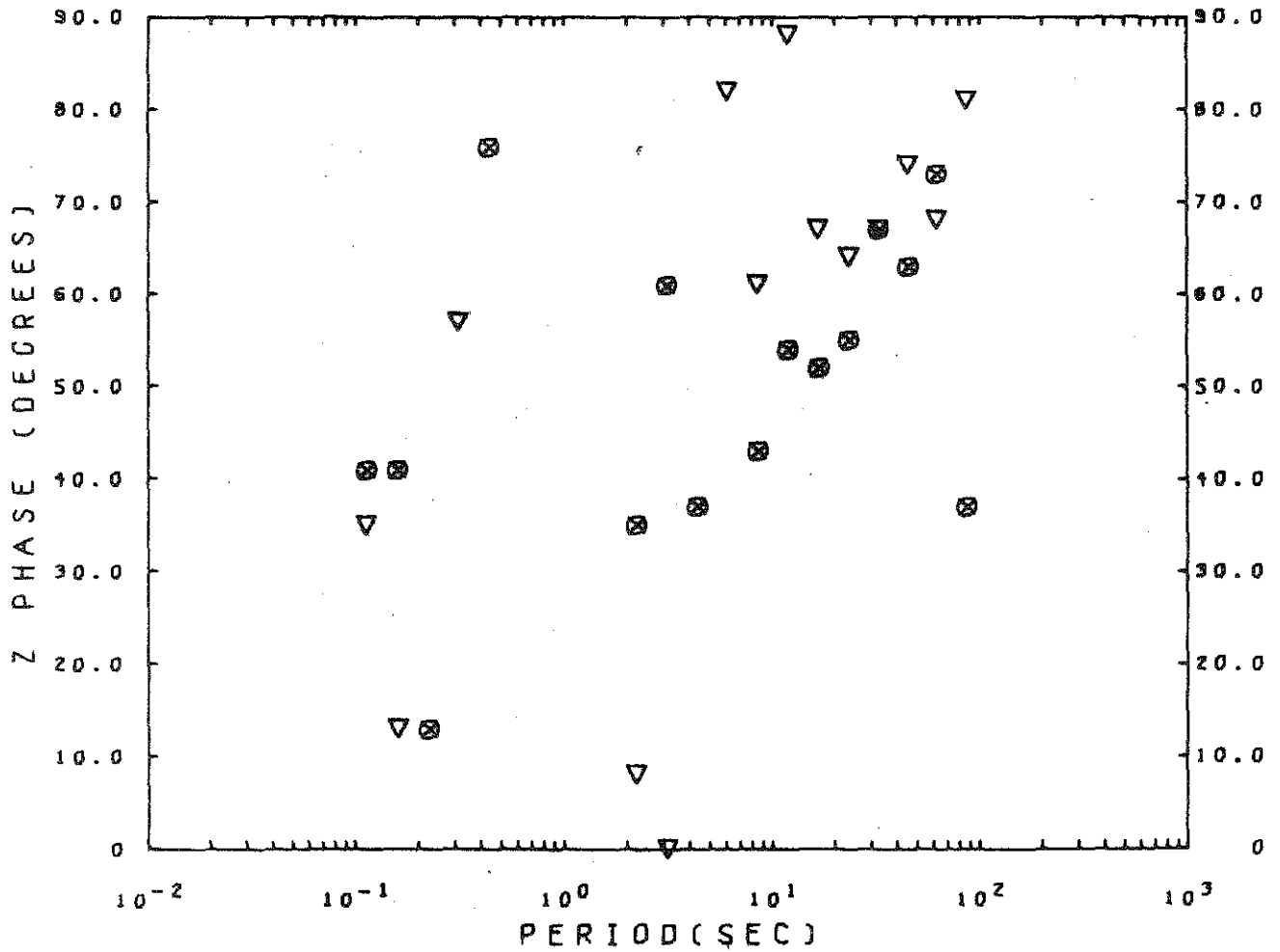
1.0
.8
.6
.4
.2
0

10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³
PERIOD (SEC)

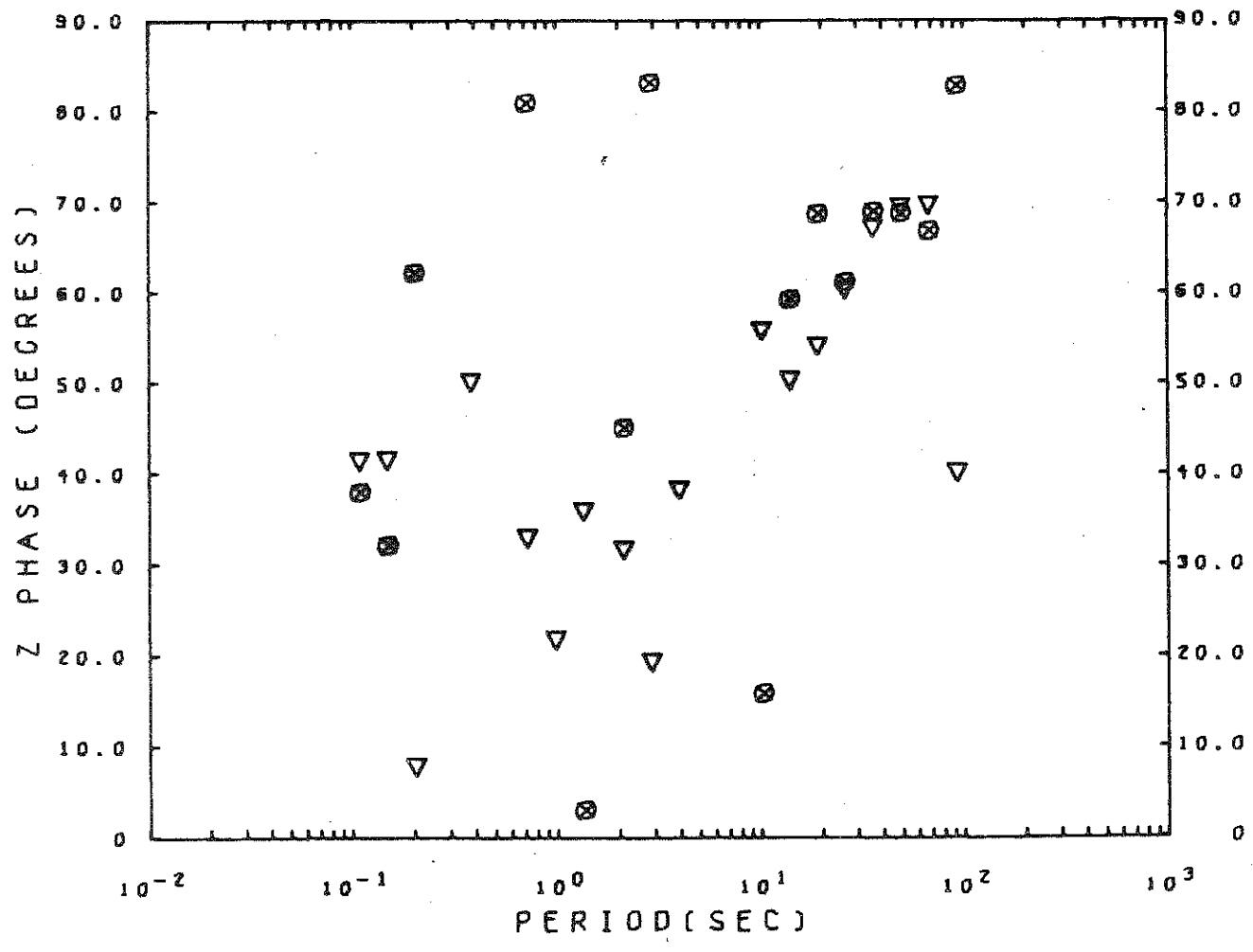
Z - SKEW
TIPPER ROTATION



GRAND VIEW WEST, IDAHO
B3 REMOTE



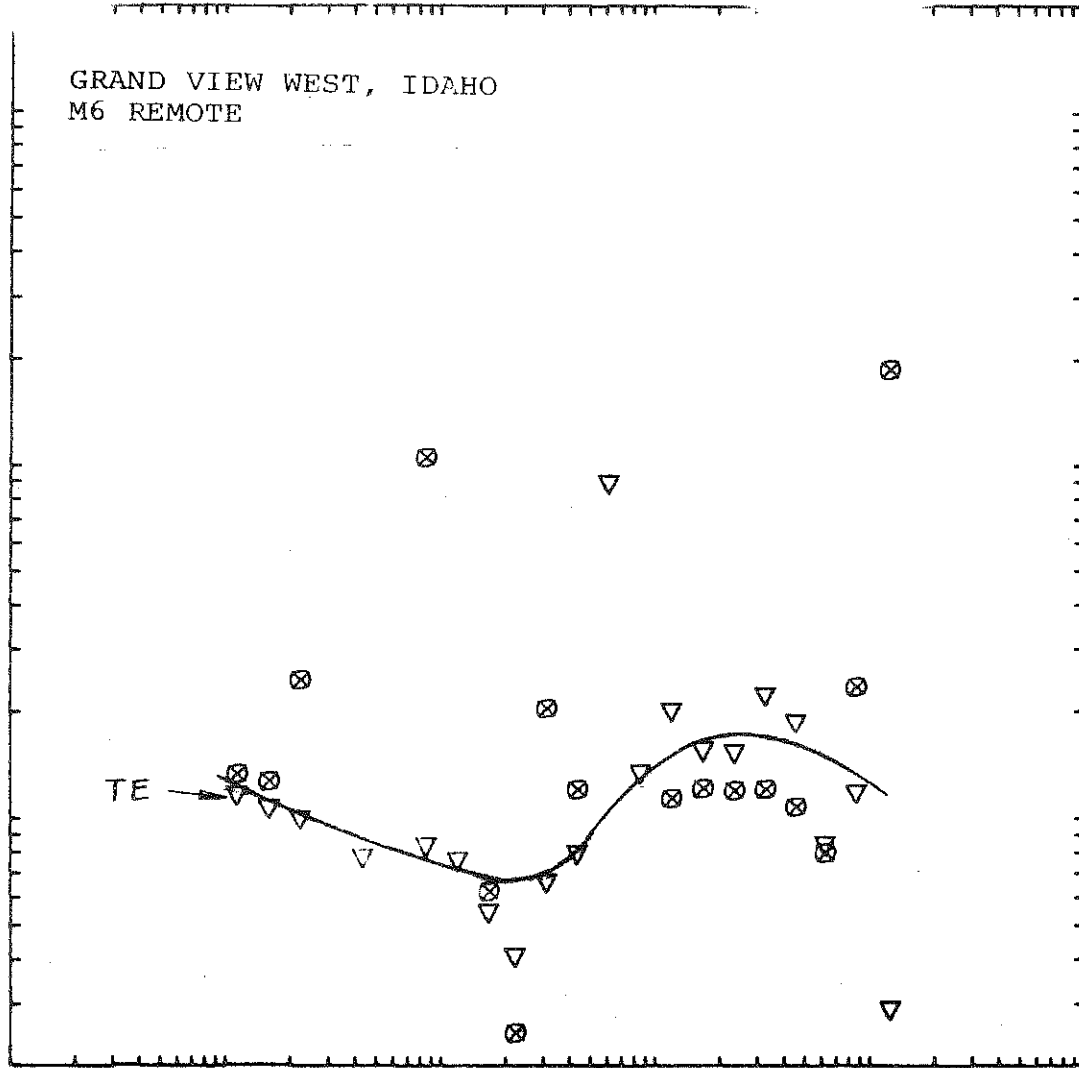
GRAND VIEW WEST, IDAHO
B3 AVERAGE



GRAND VIEW WEST, IDAHO
M6 REMOTE

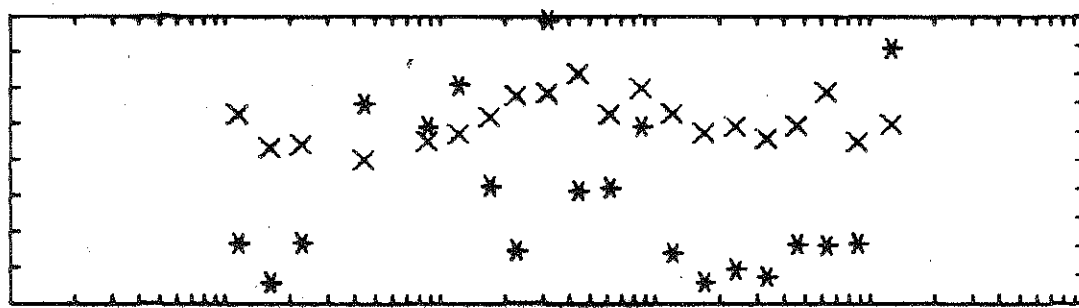
APPARENT RESISTIVITY (OHM-M)

10³
8
6
4
2
10²
8
6
4
2
10¹
8
6
4
2



Z-ROTATION

120.0
90.0
60.0
30.0
0
-30.0
-60.0
-90.0
-120.0

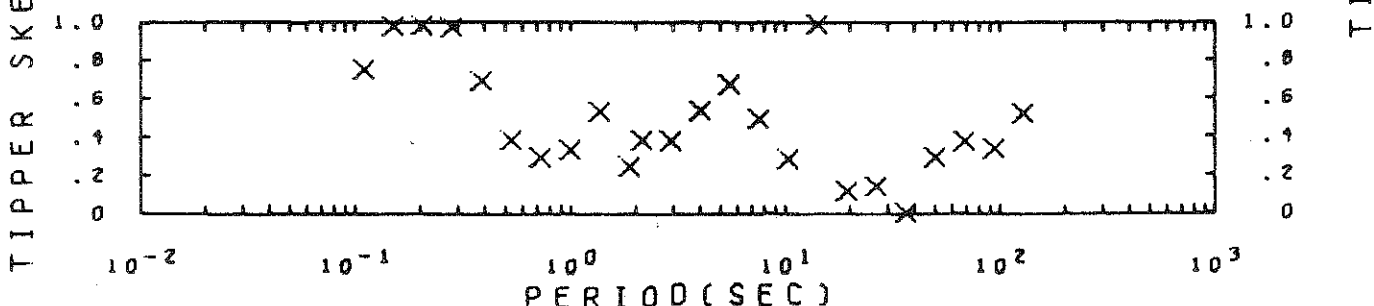
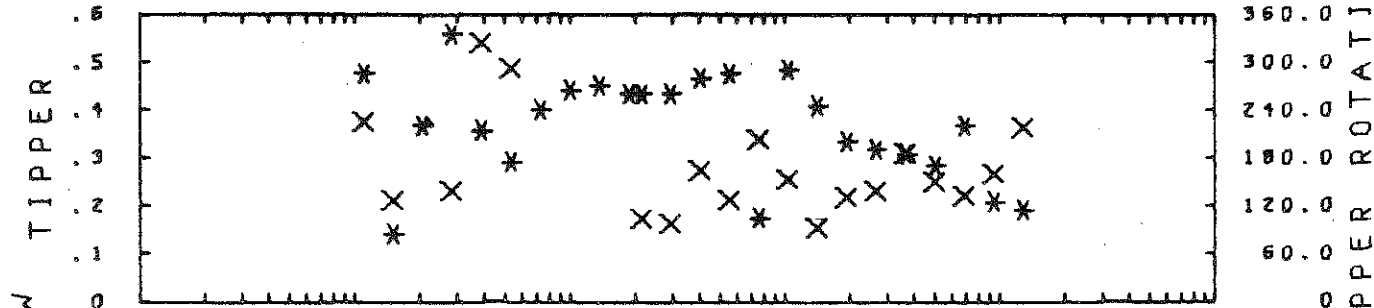
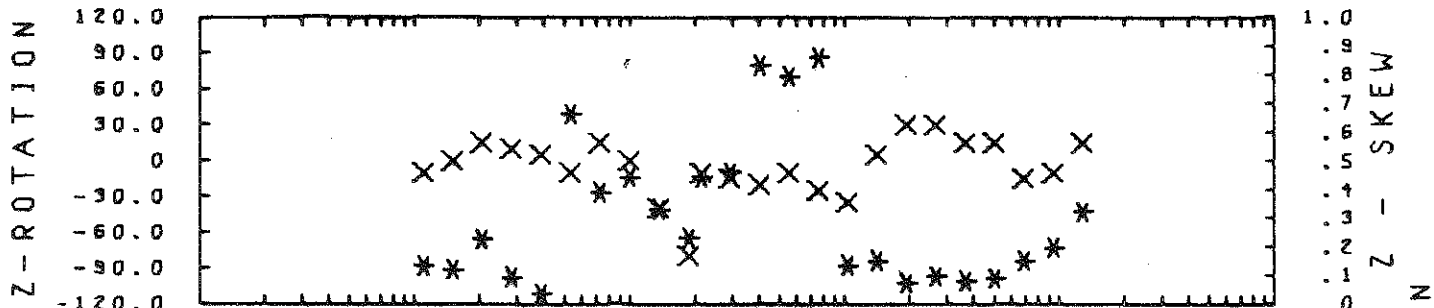
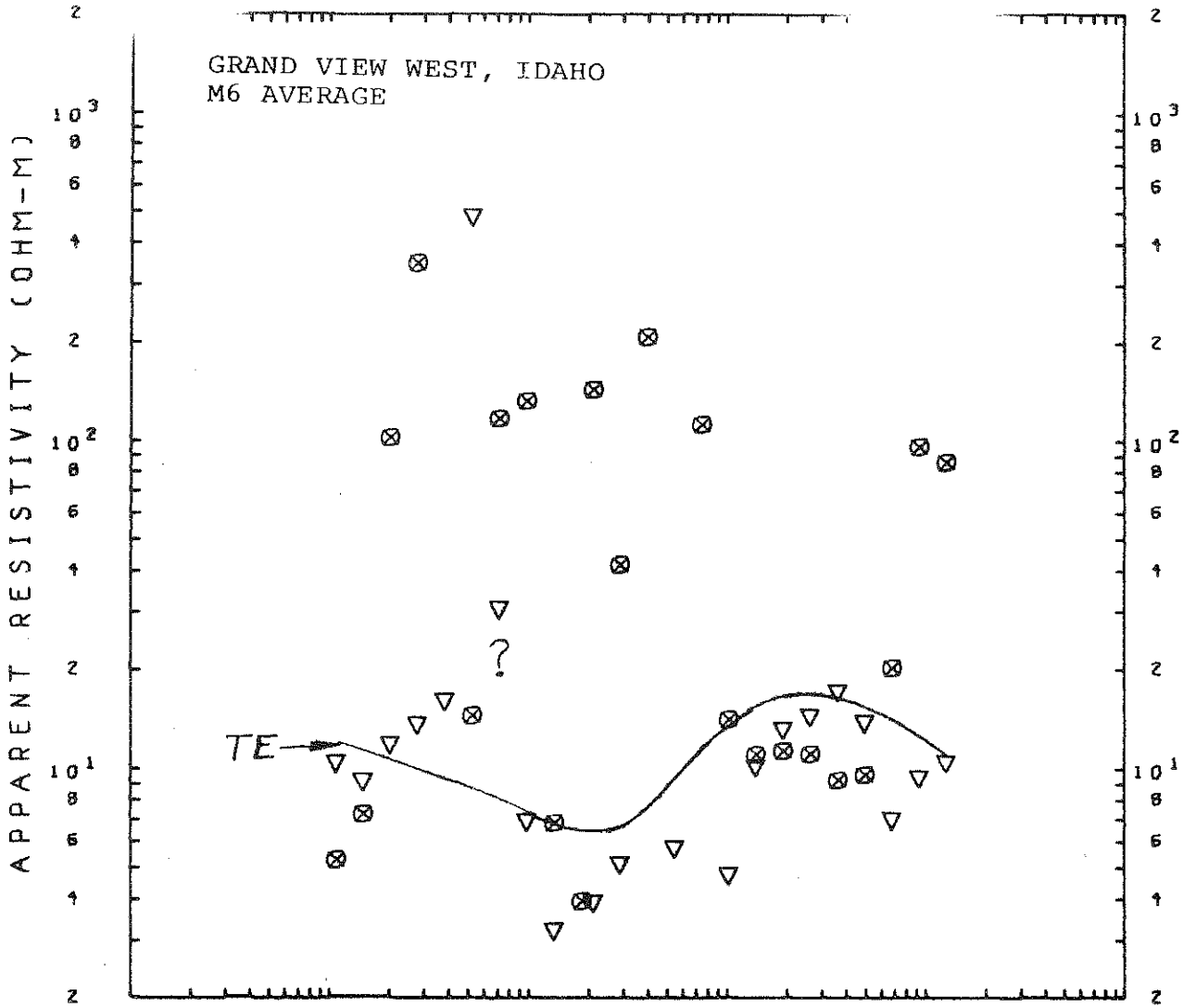


Z - SKEW
1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0

PERIOD (SEC)

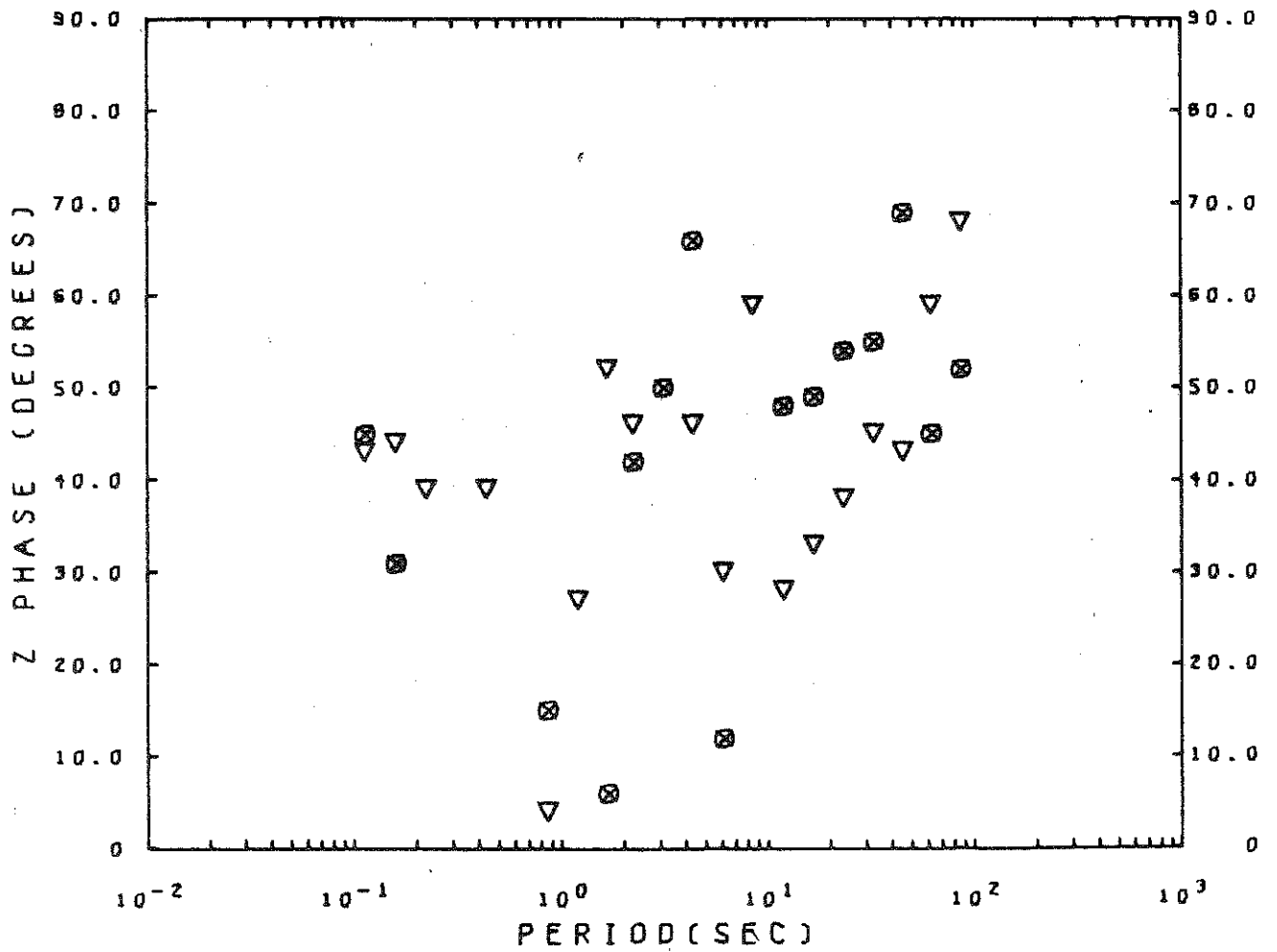
10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³

GRAND VIEW WEST, IDAHO
M6 AVERAGE

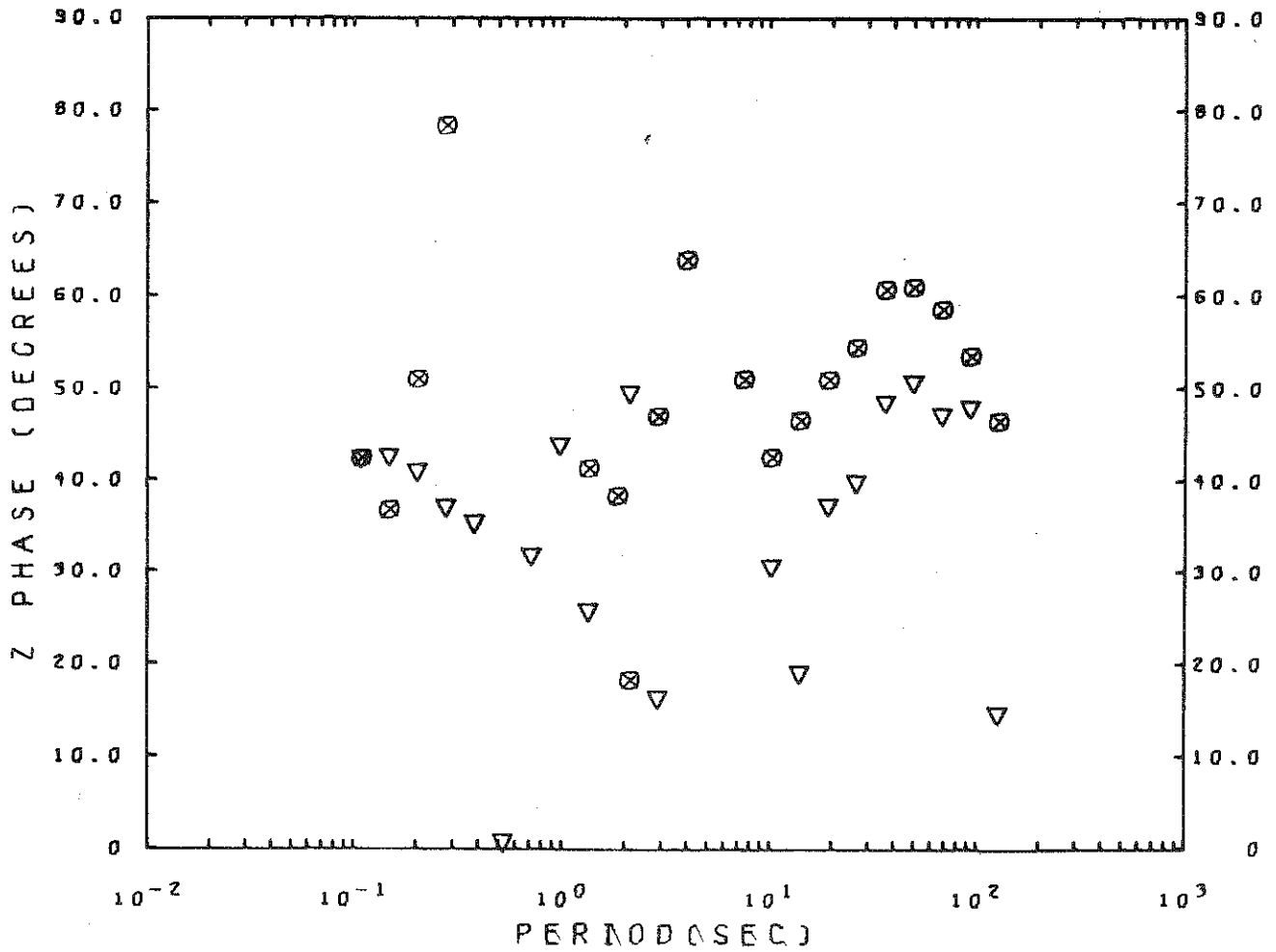


PERIOD (SEC)

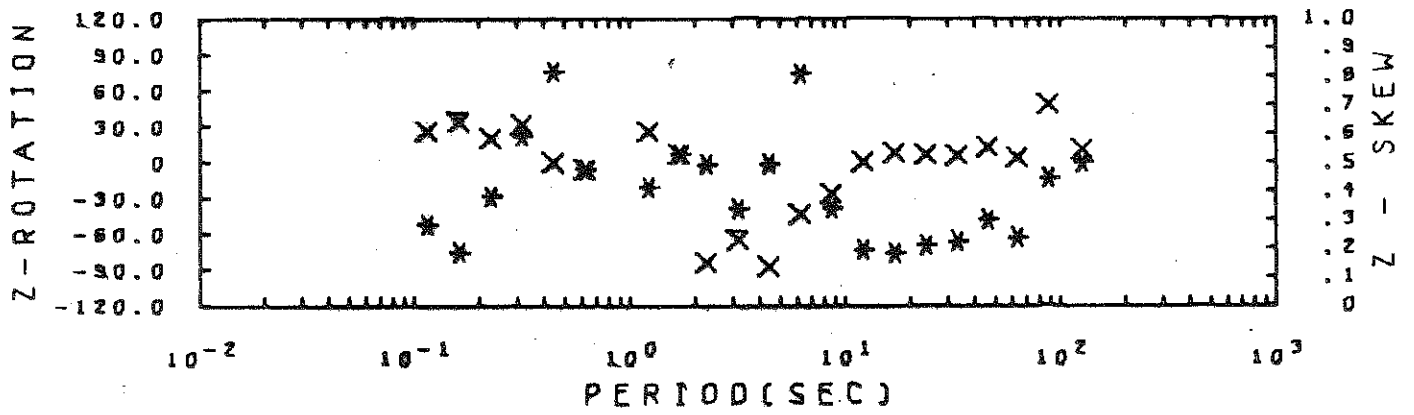
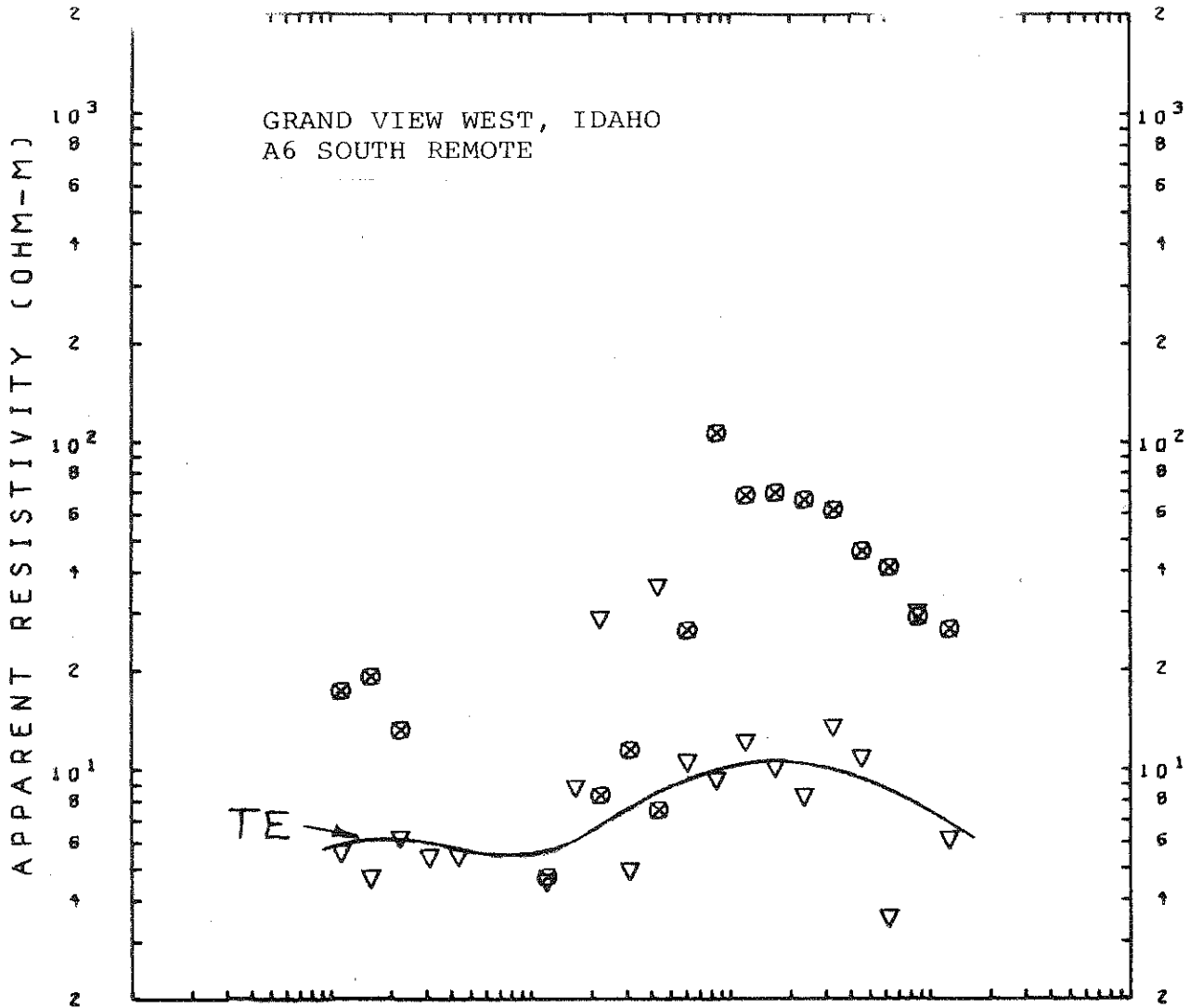
GRAND VIEW WEST, IDAHO
M6 REMOTE



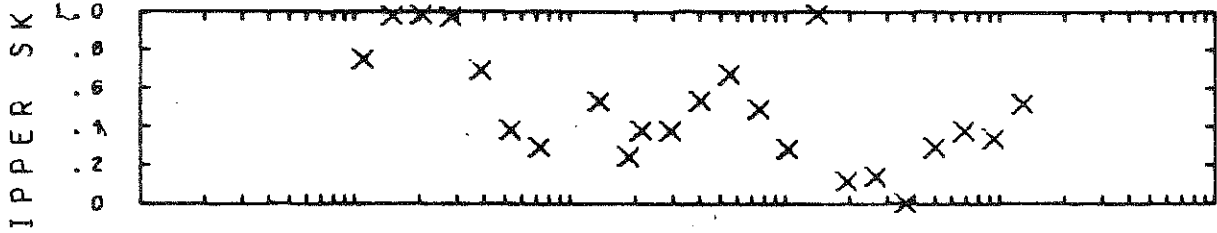
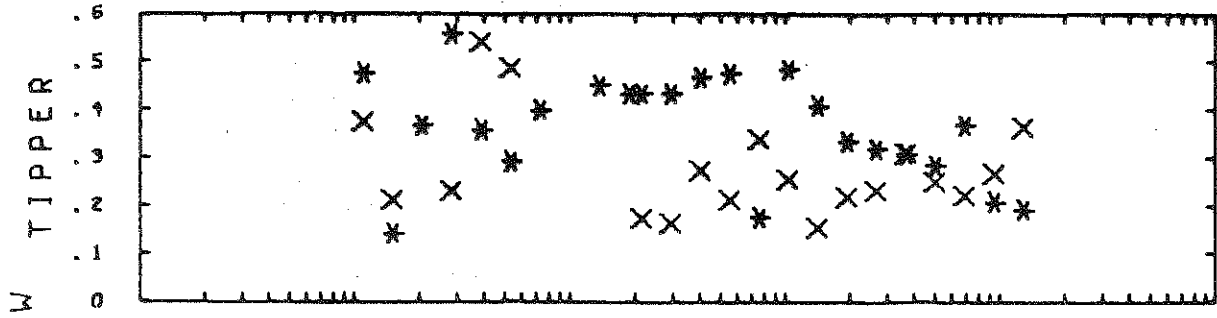
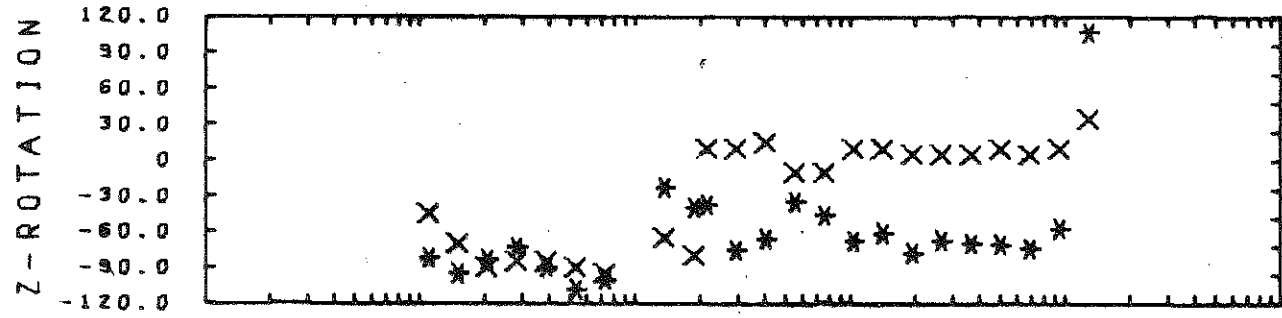
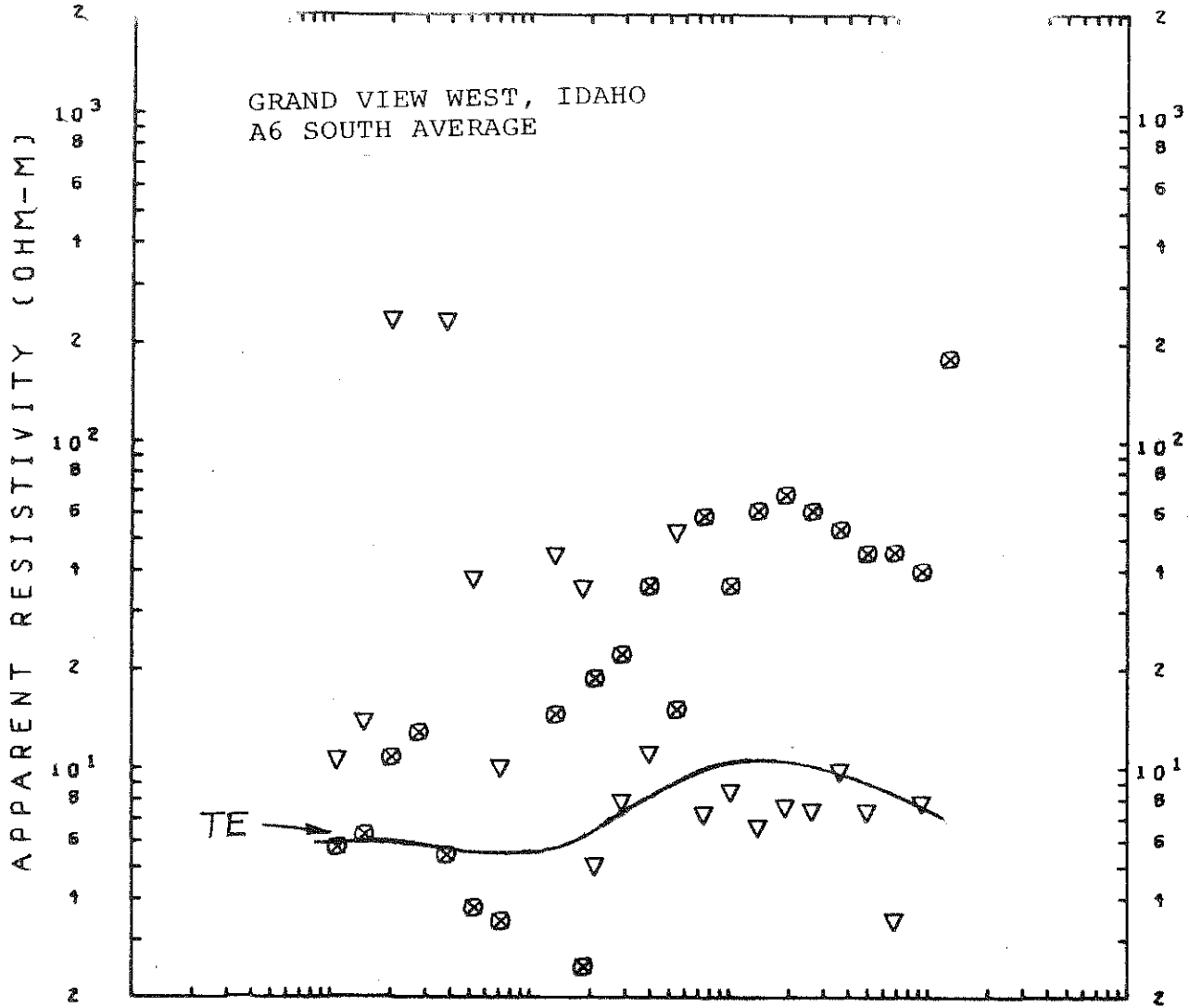
GRAND VIEW WEST, IDAHO
M6 AVERAGE



GRAND VIEW WEST, IDAHO
A6 SOUTH REMOTE



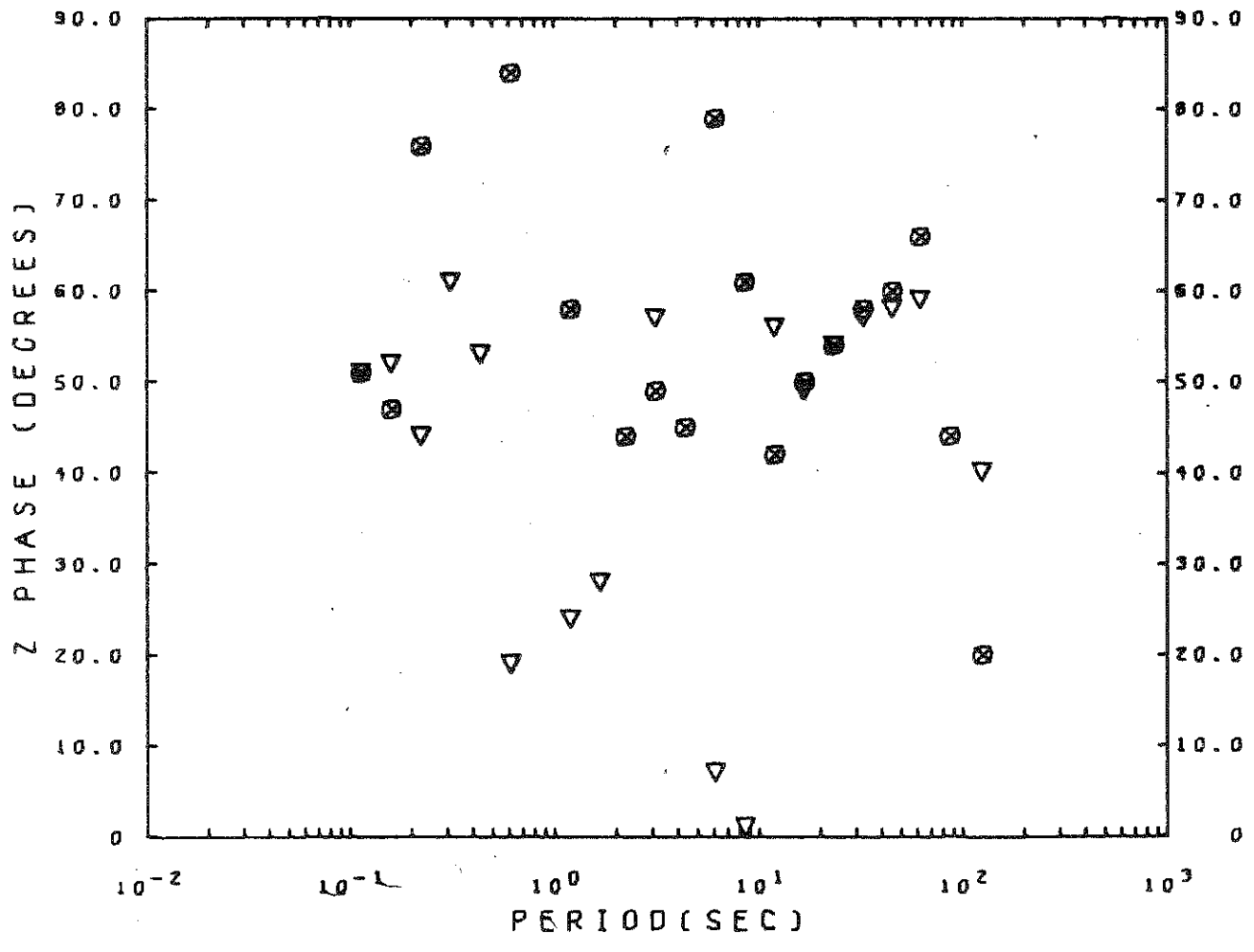
GRAND VIEW WEST, IDAHO
A6 SOUTH AVERAGE



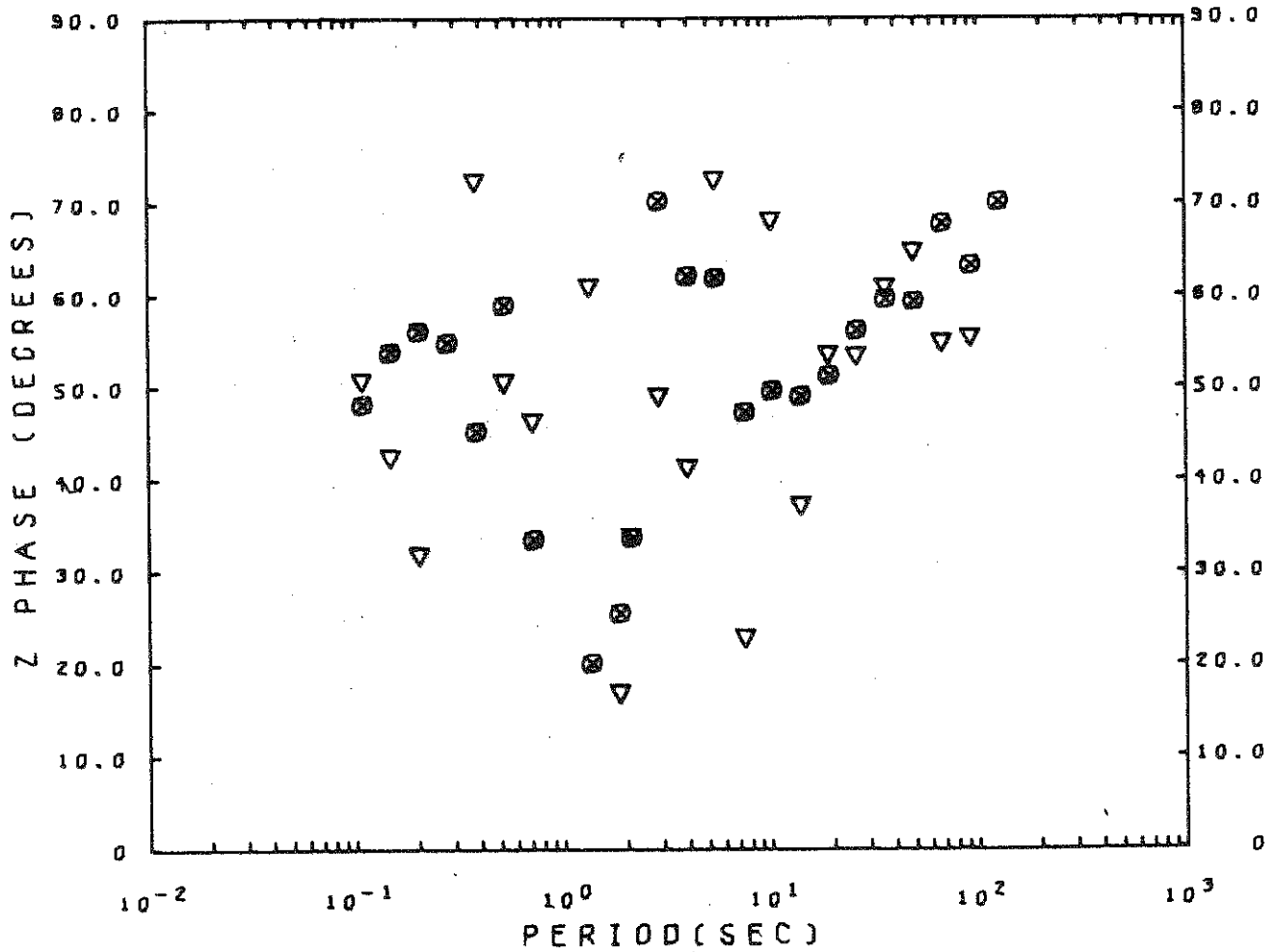
Z - ROTATION
1.0
.9
.8
.7
.6
.5
.4
.3
.2
0
360.0
300.0
240.0
180.0
120.0
60.0
0
1.0
.8
.6
.4
.2
0

10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³
PERIOD (SEC)

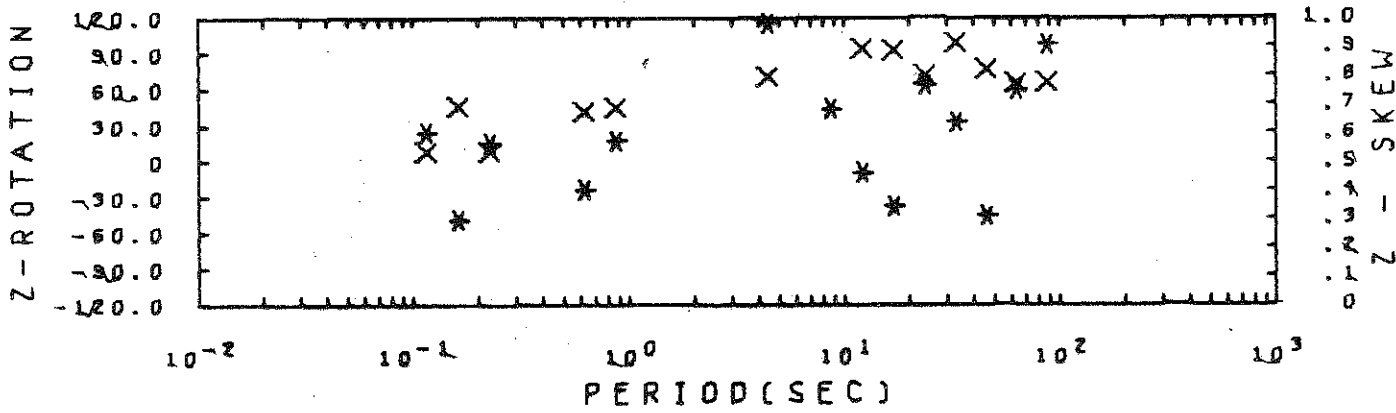
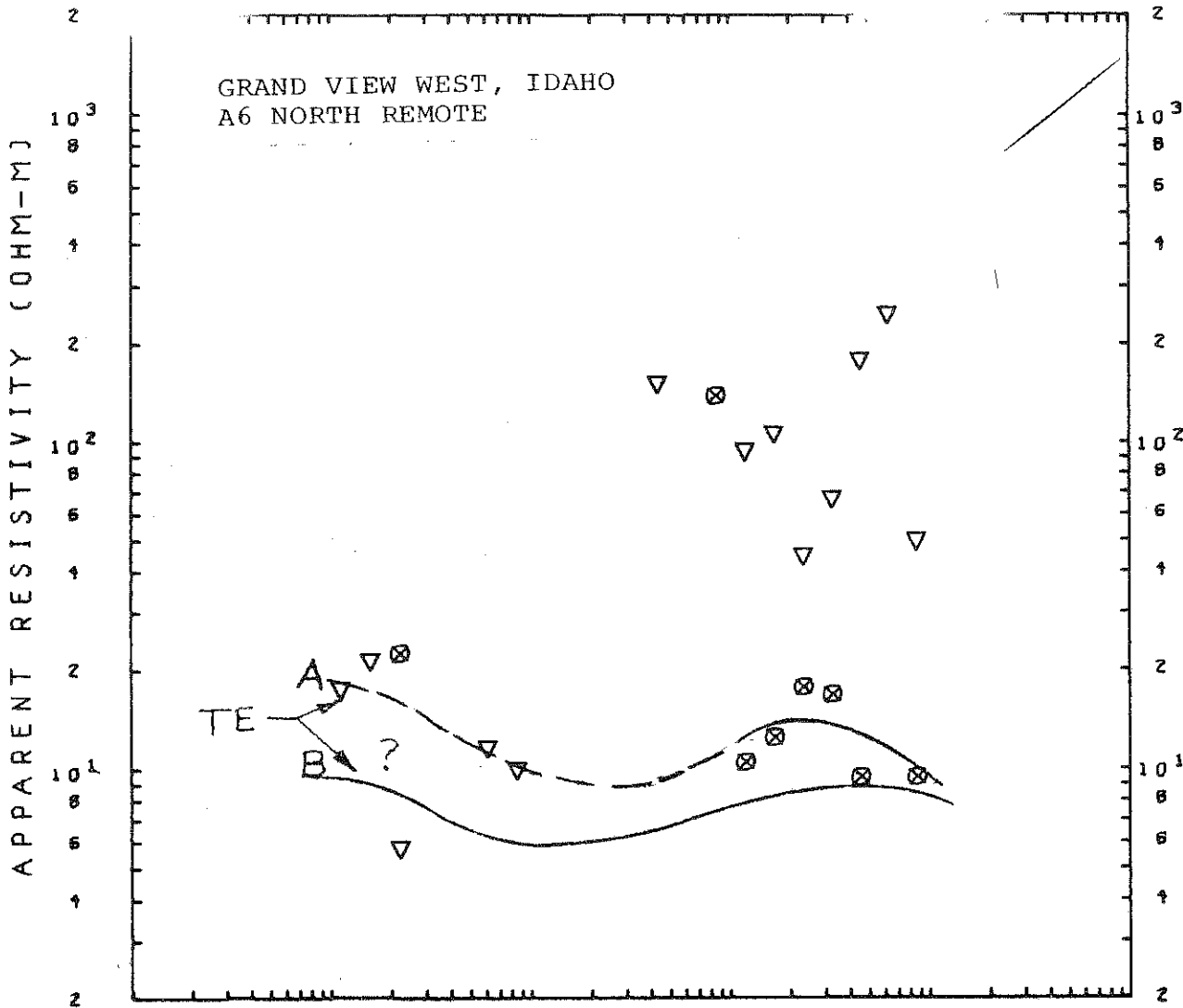
GRAND VIEW WEST, IDAHO
A6 SOUTH REMOTE



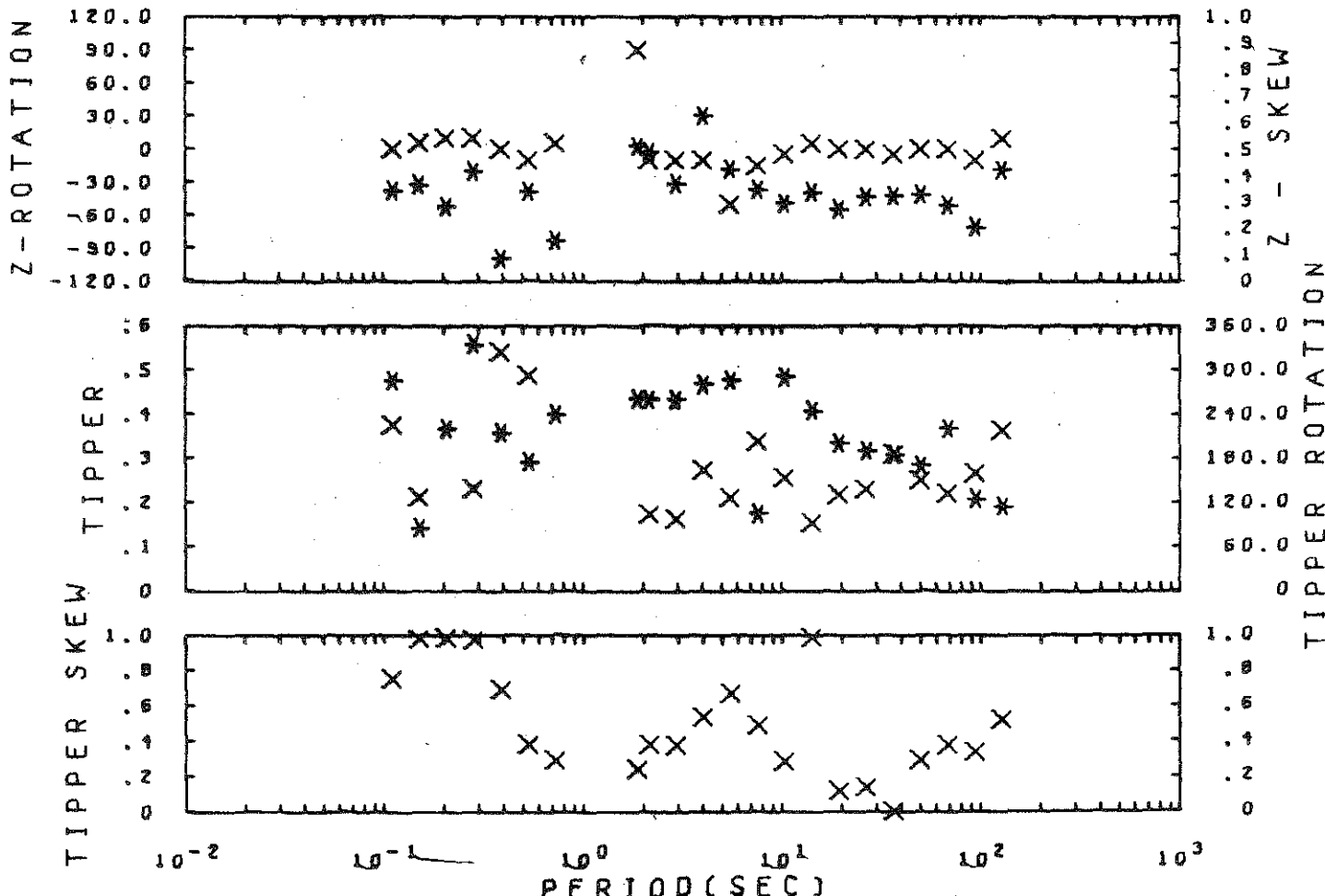
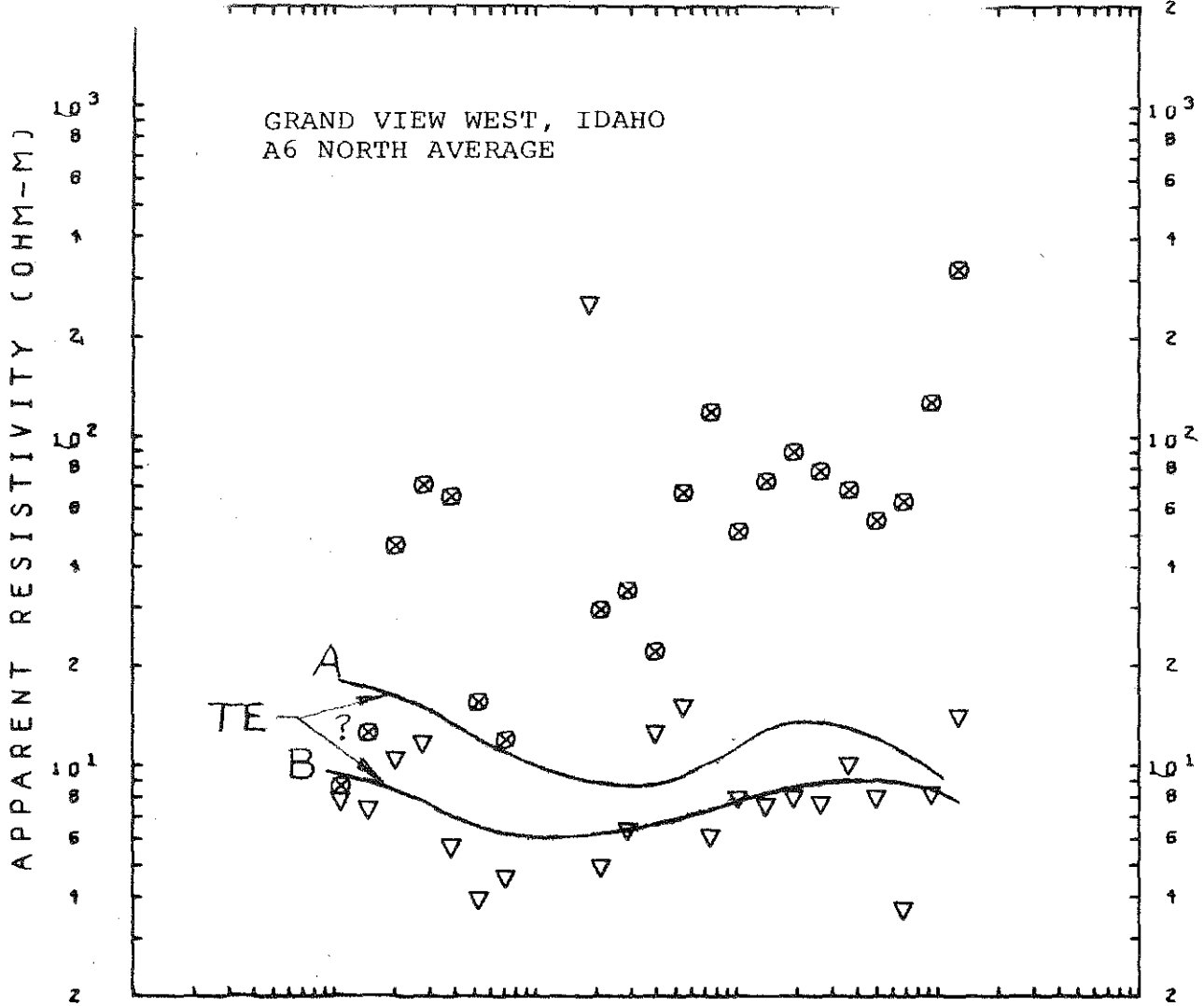
GRAND VIEW WEST, IDAHO
A6 SOUTH AVERAGE



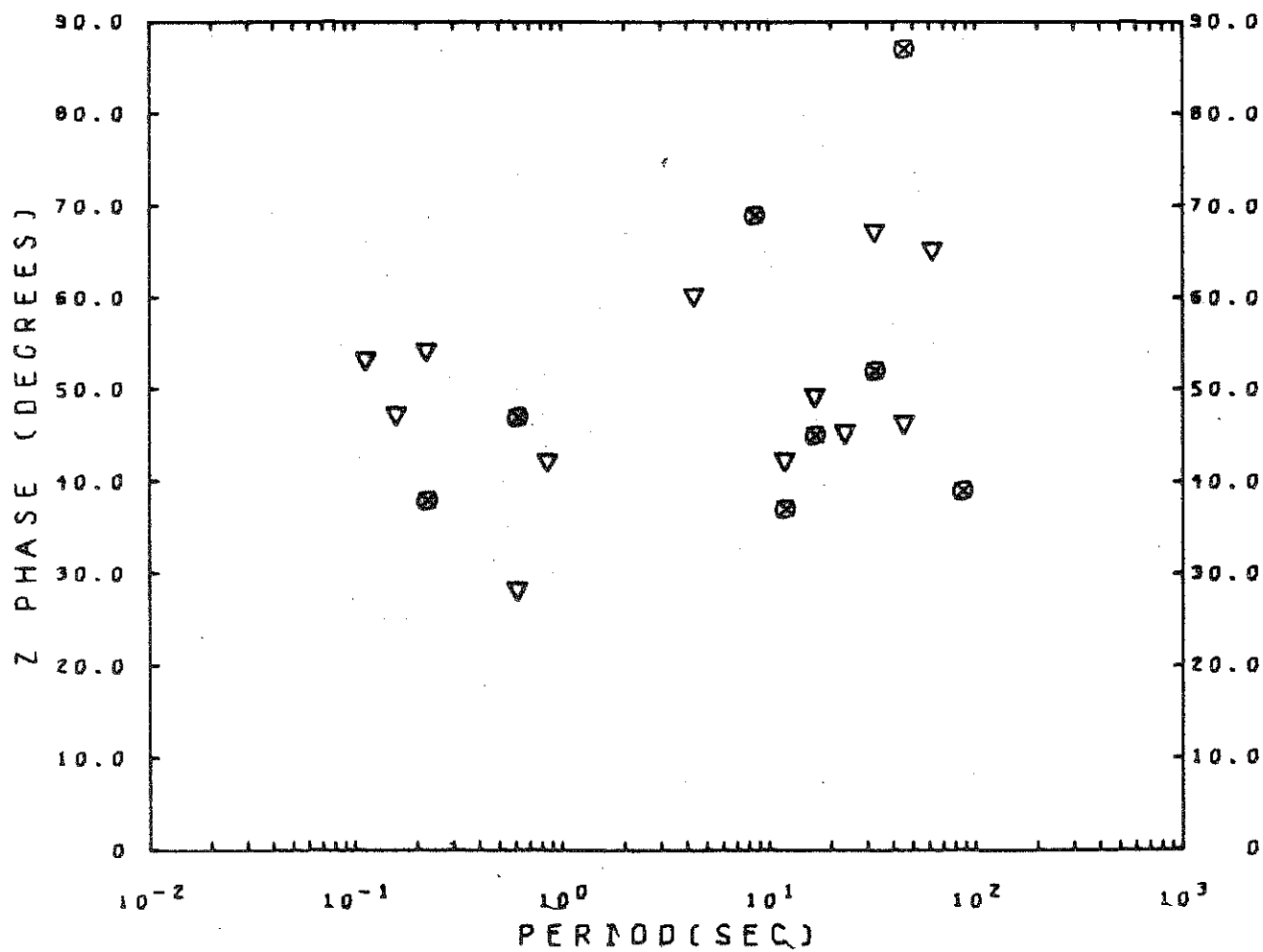
GRAND VIEW WEST, IDAHO
A6 NORTH REMOTE



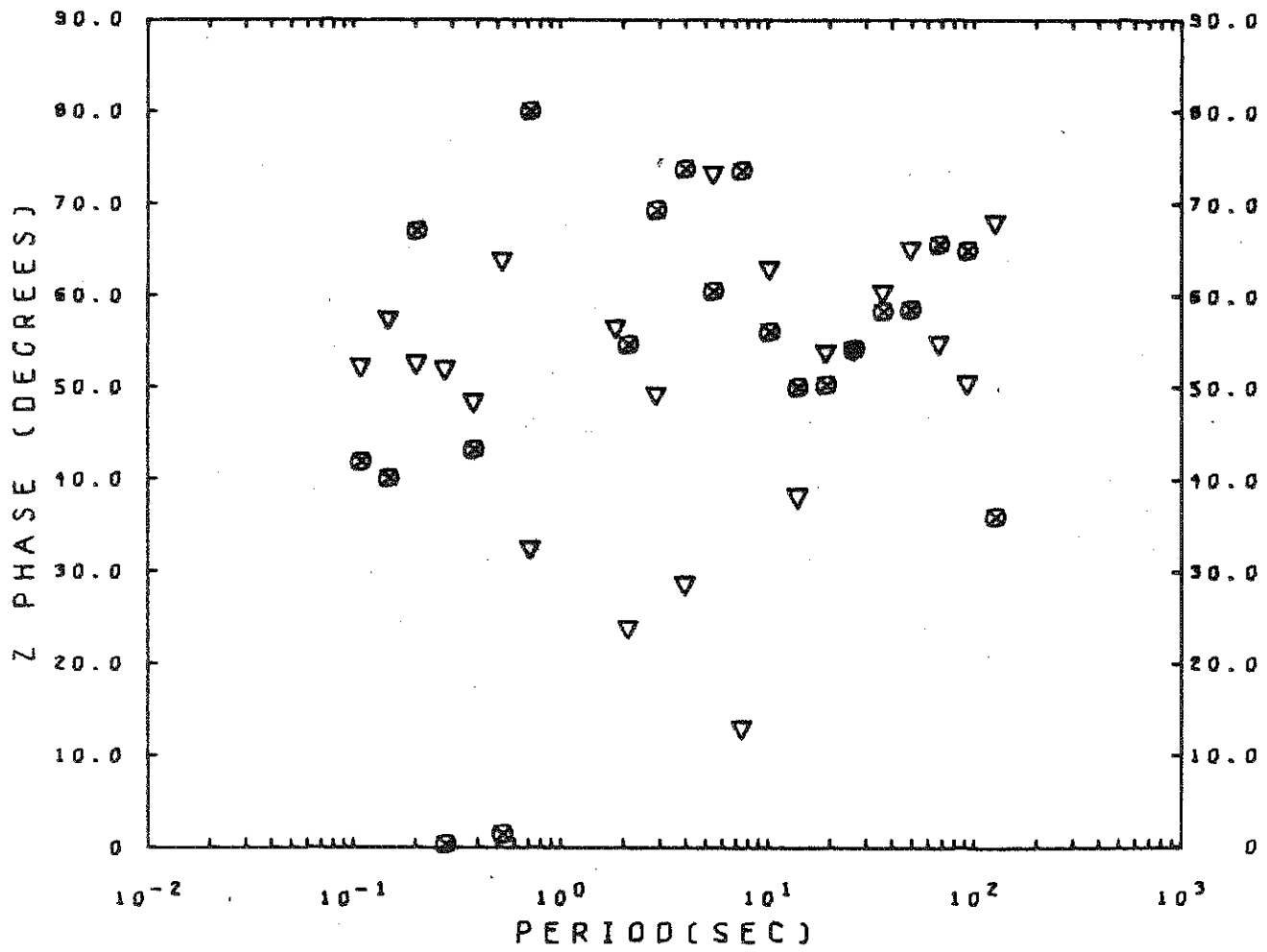
GRAND VIEW WEST, IDAHO
A6 NORTH AVERAGE



Grand View West
 GRAND VIEW WEST, IDAHO
 A6 NORTH REMOTE

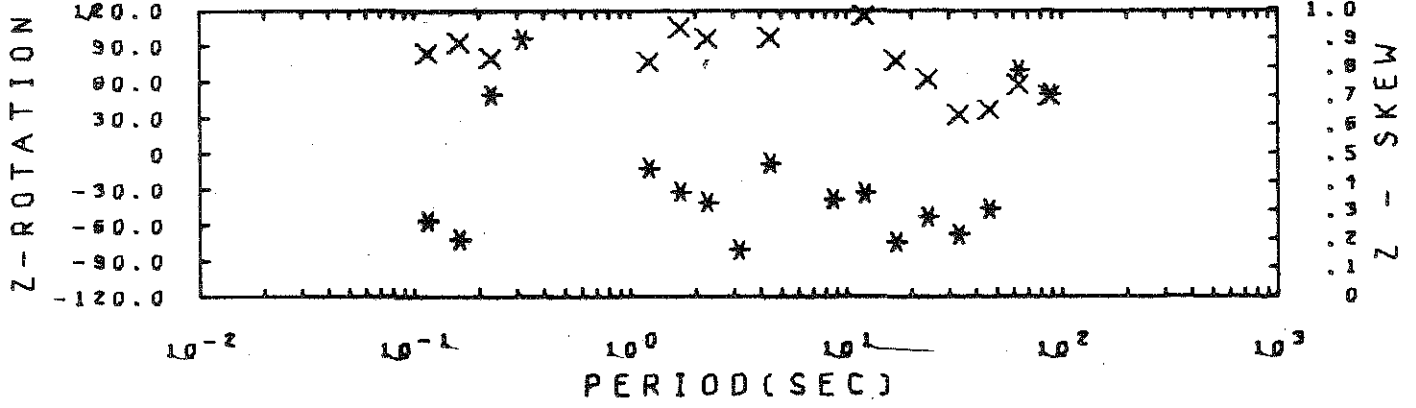
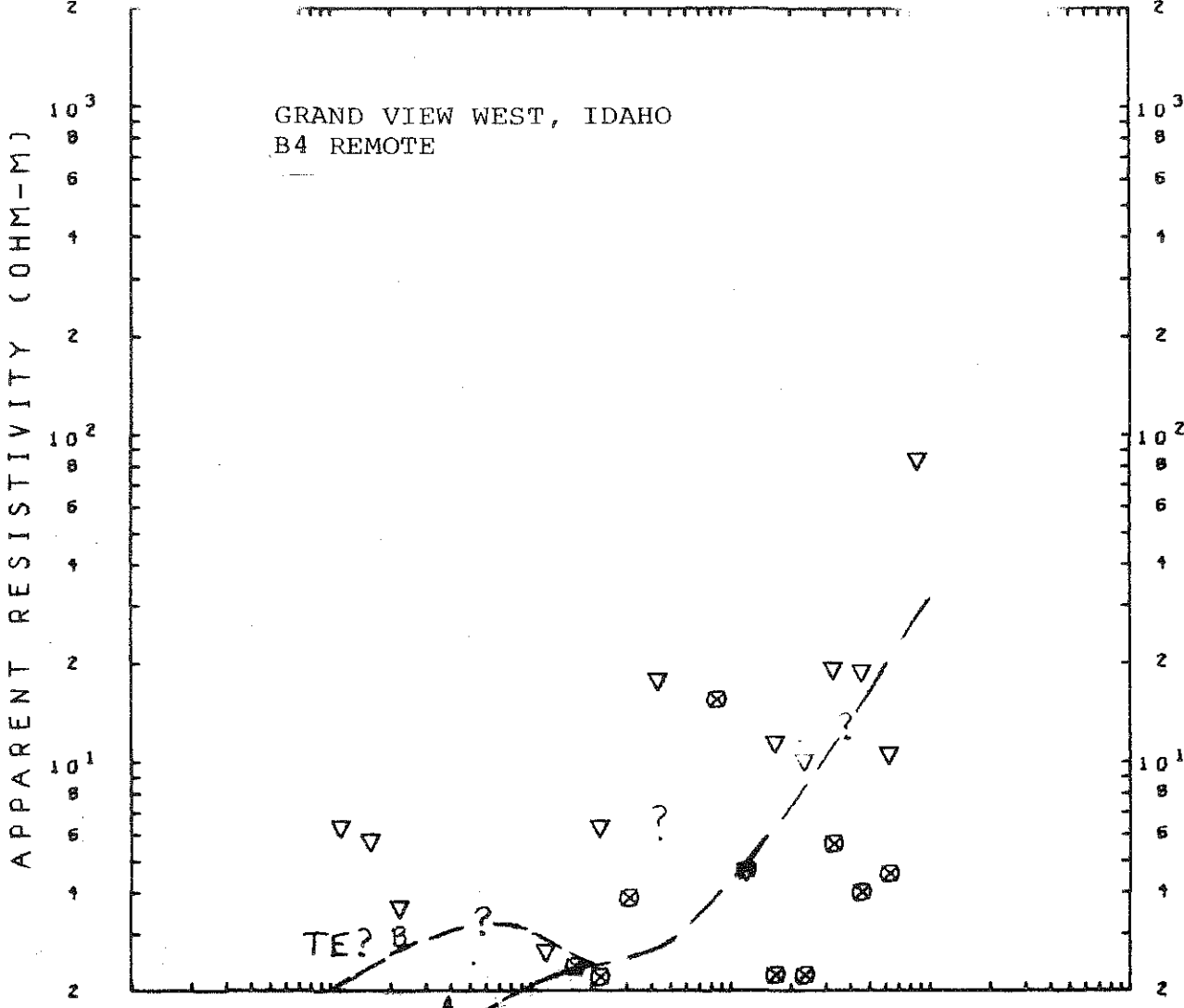


GRAND VIEW WEST, IDAHO
A6 NORTH AVERAGE

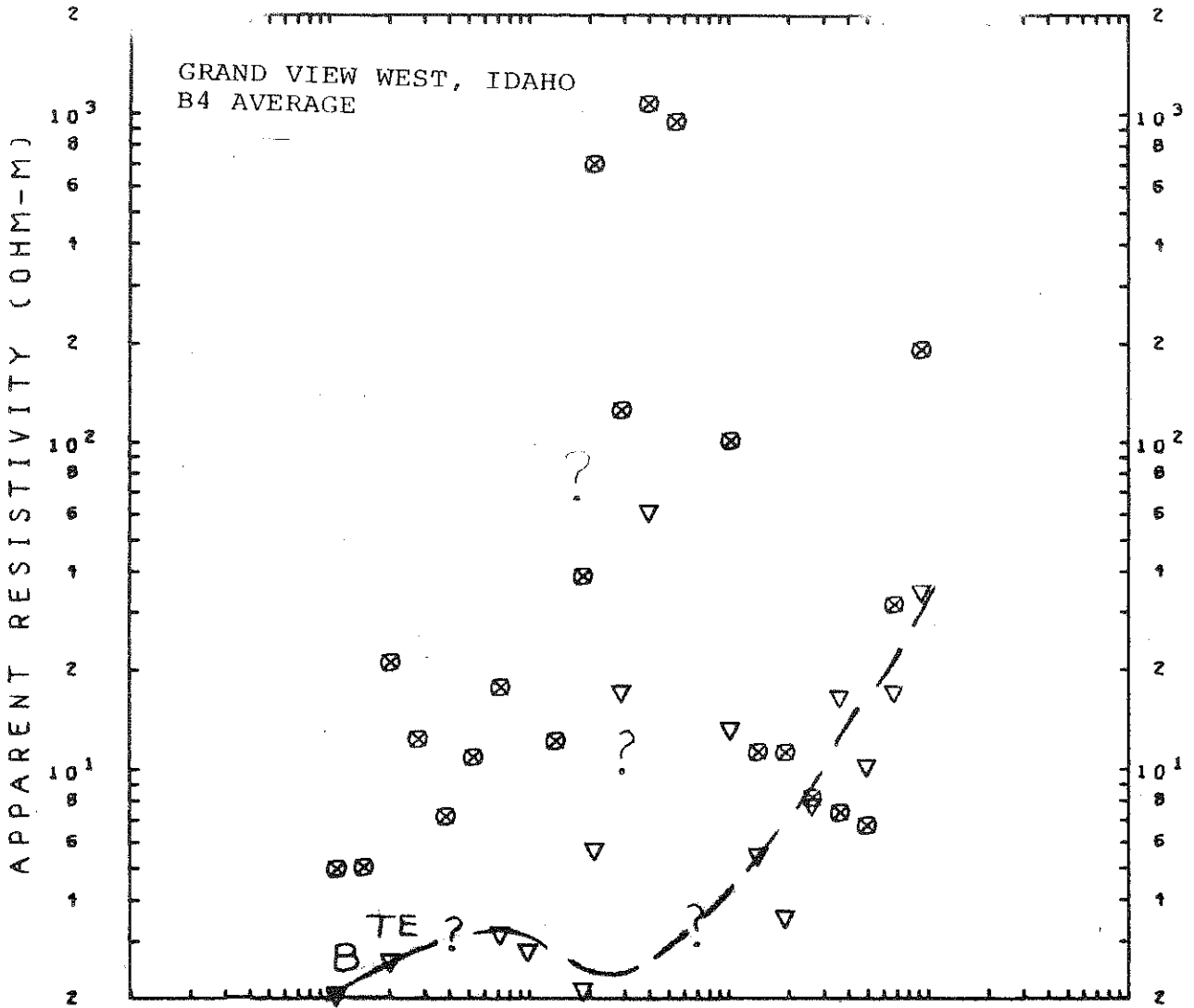


GRAND VIEW WEST, IDAHO
B4 REMOTE

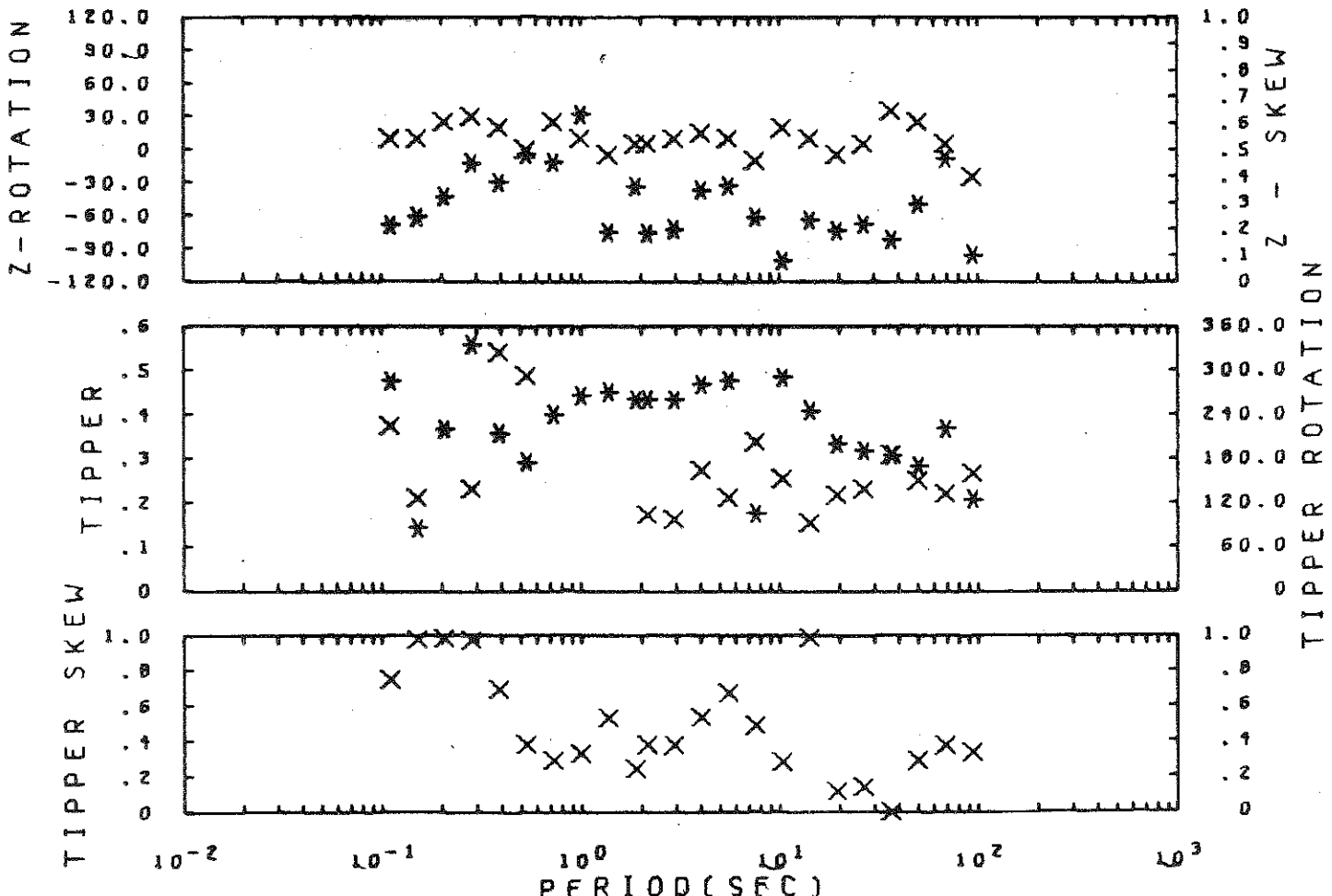
37.

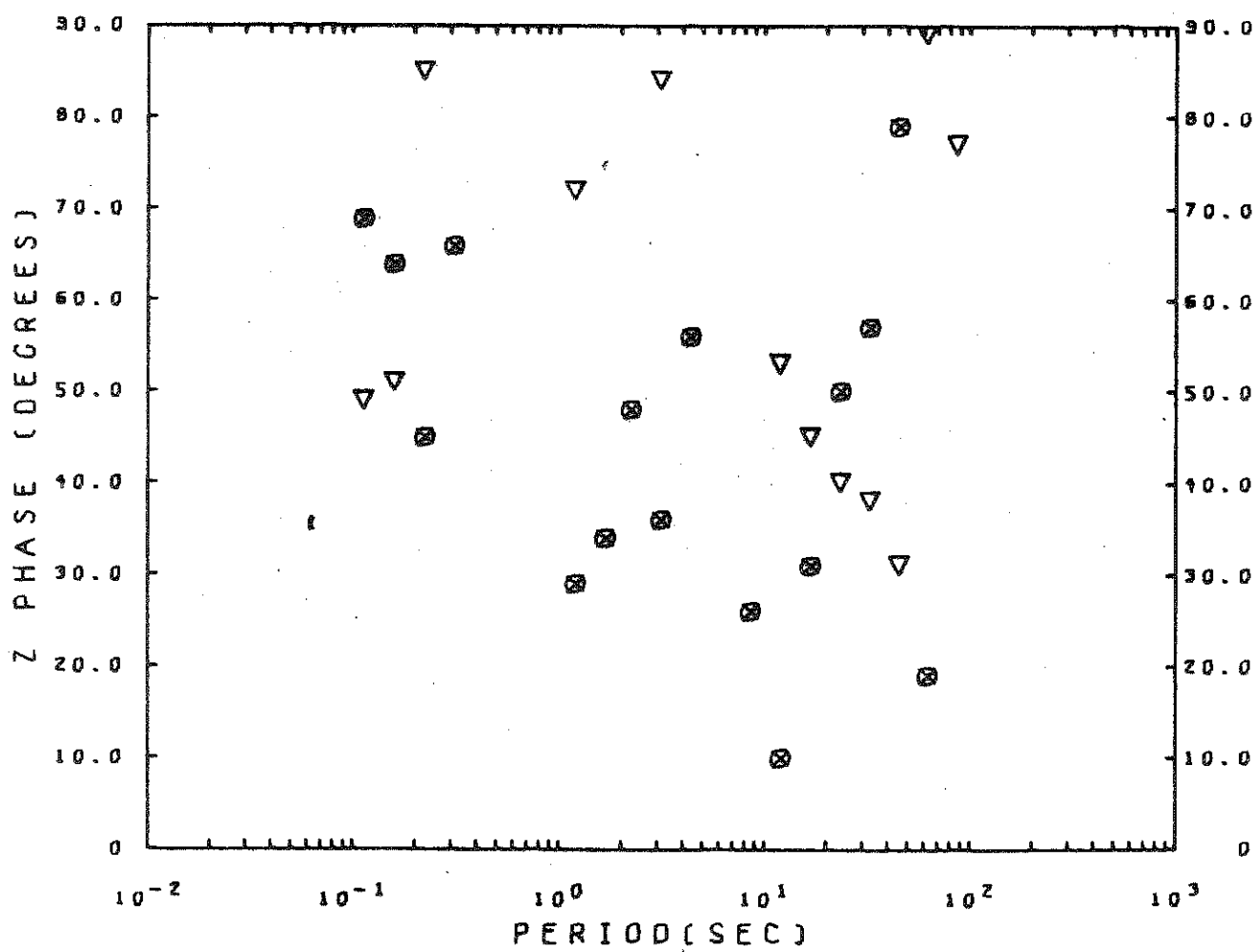


*Note: principal axis (Z ROT)
appears to be 90° diff.
betw remote + average methods*

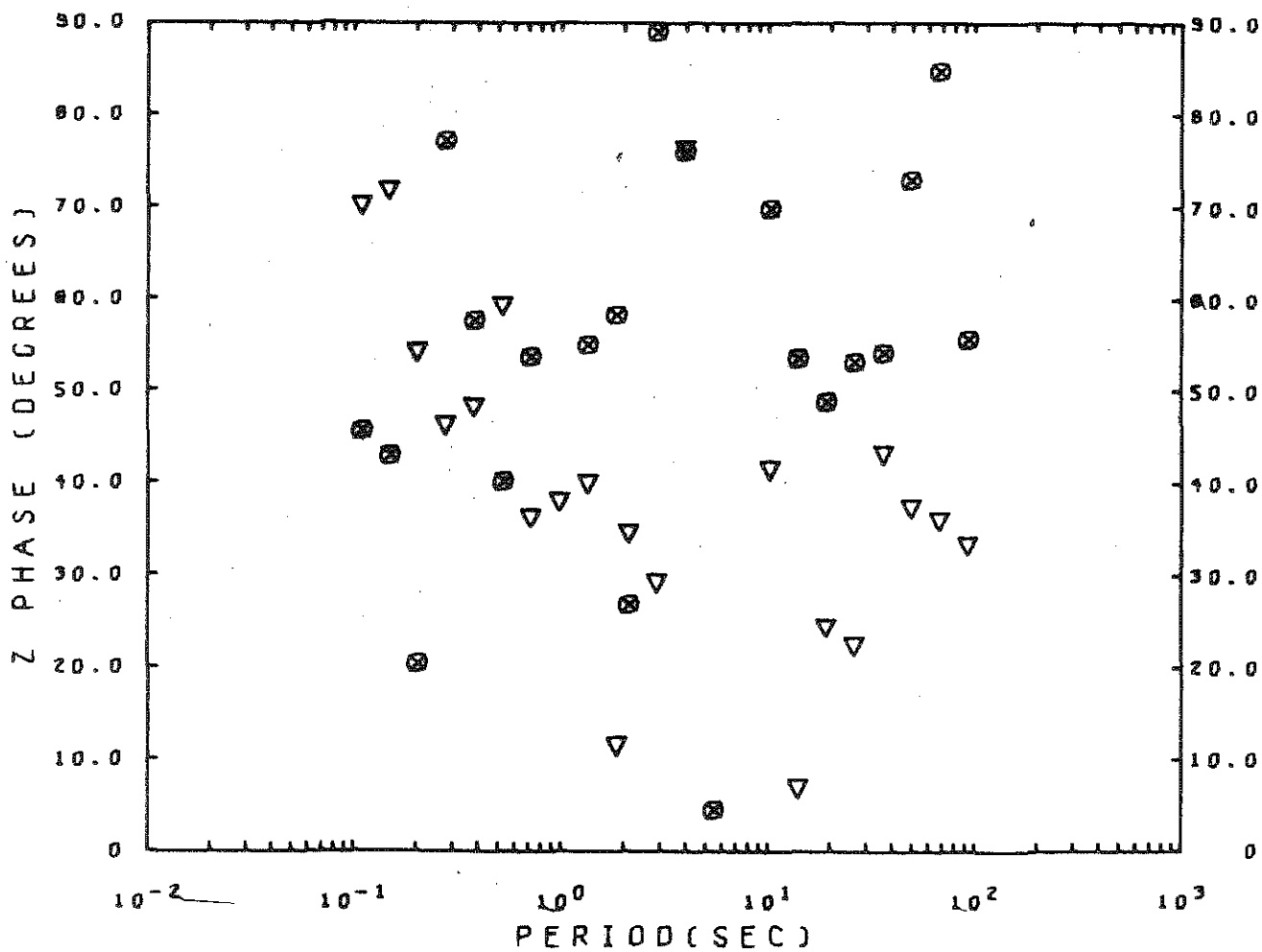


38.



GRAND VIEW WEST, IDAHO
B4 REMOTE

GRAND VIEW WEST, IDAHO
B4 AVERAGE



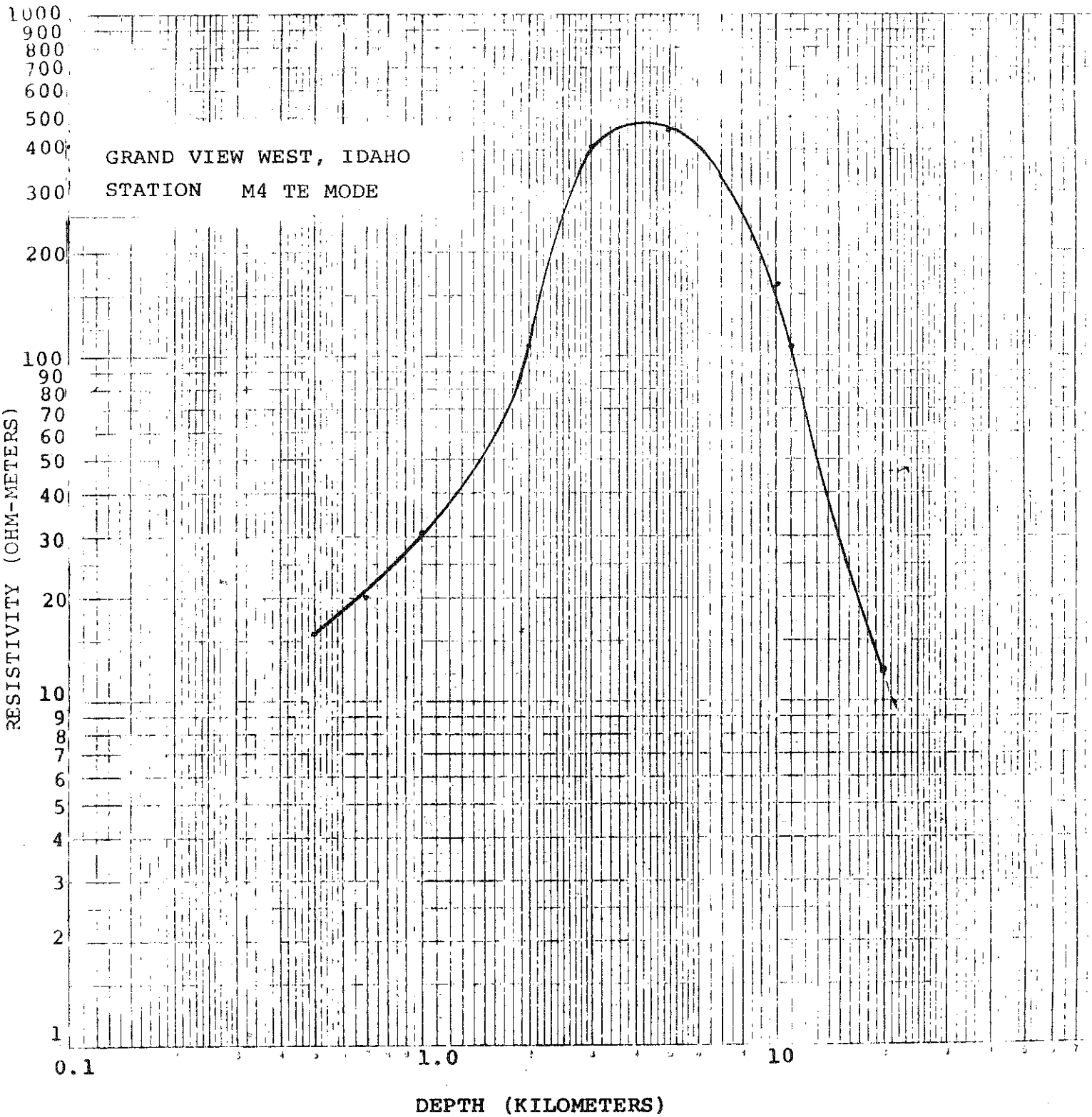


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

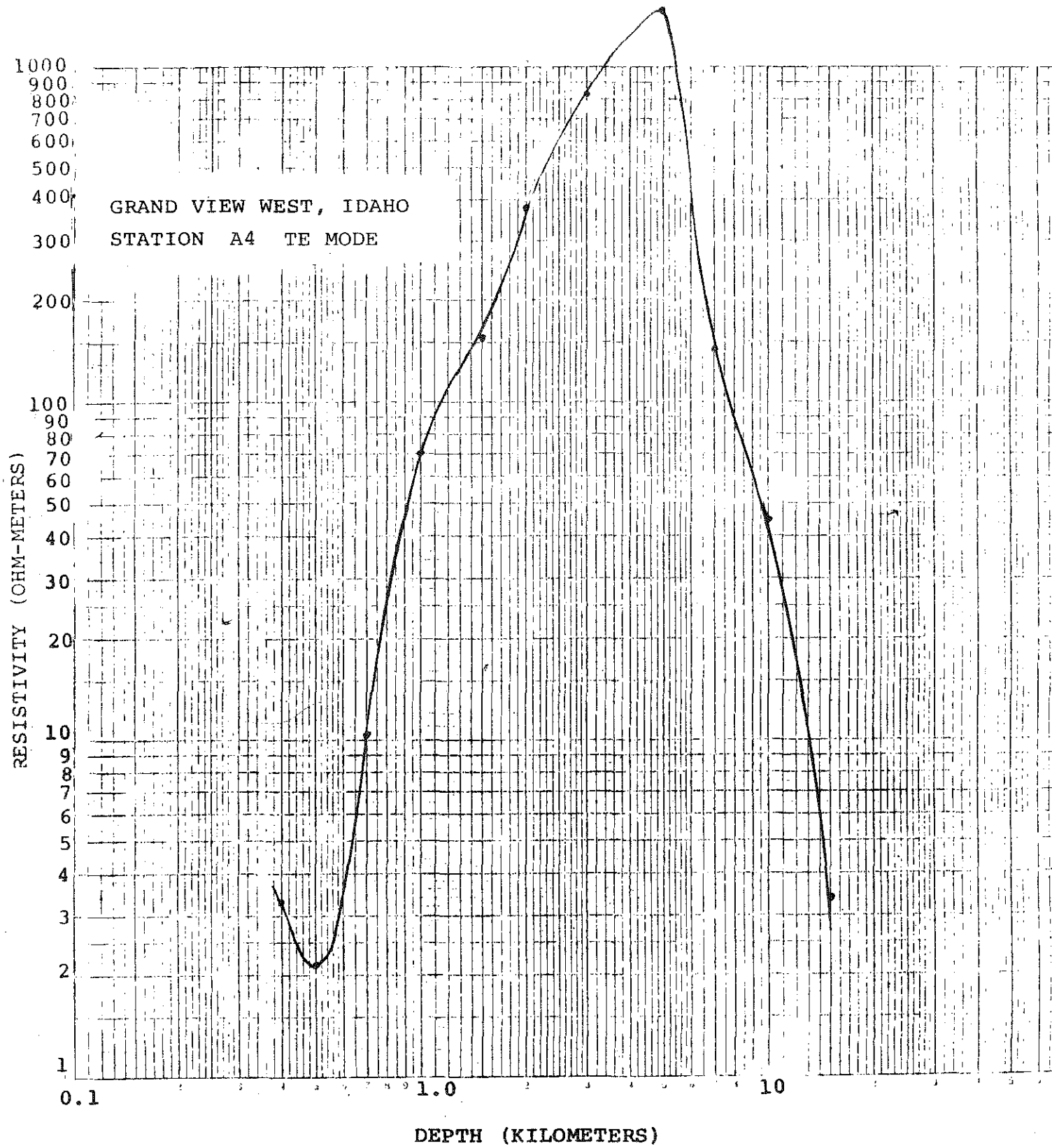


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

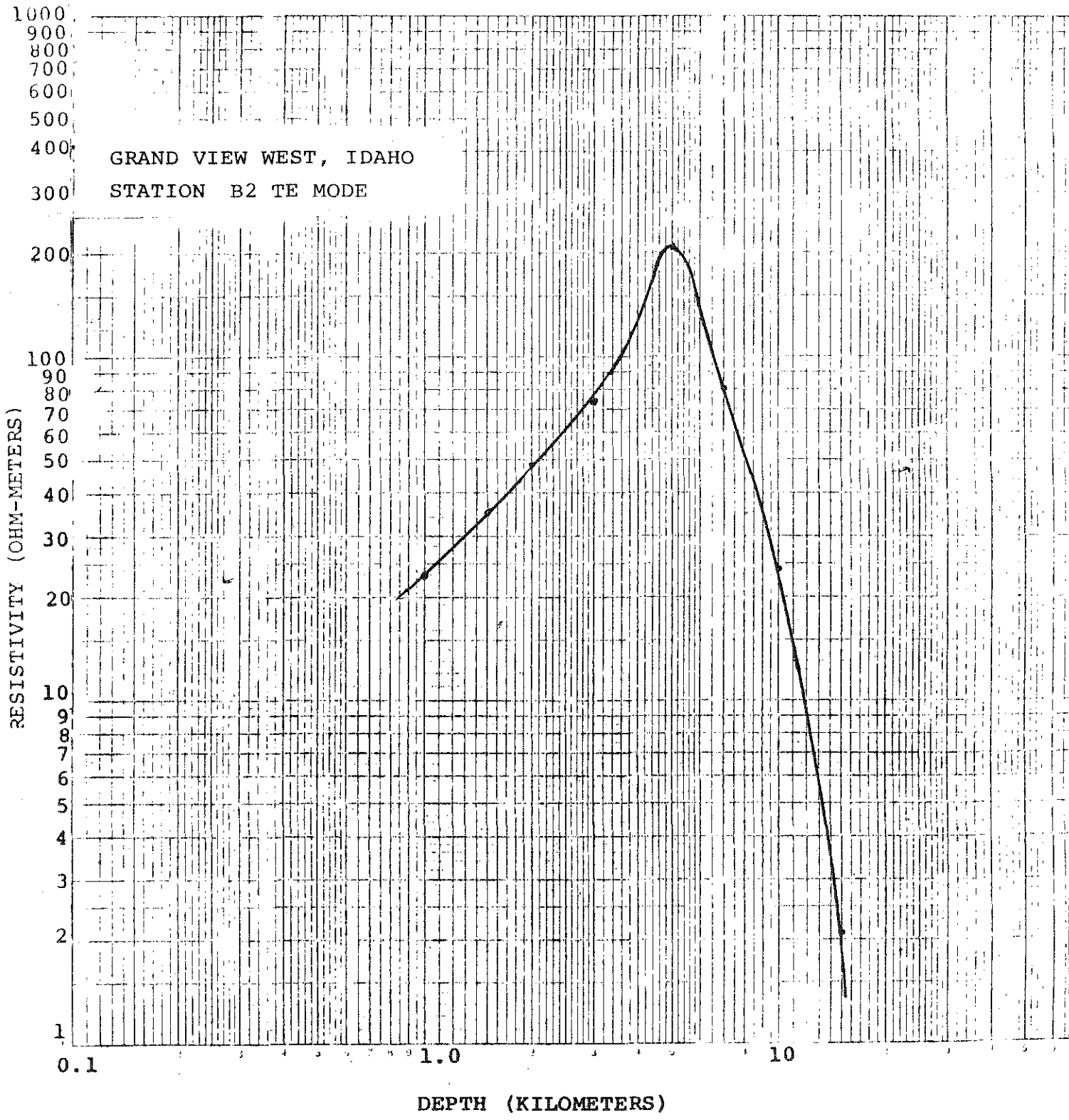


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

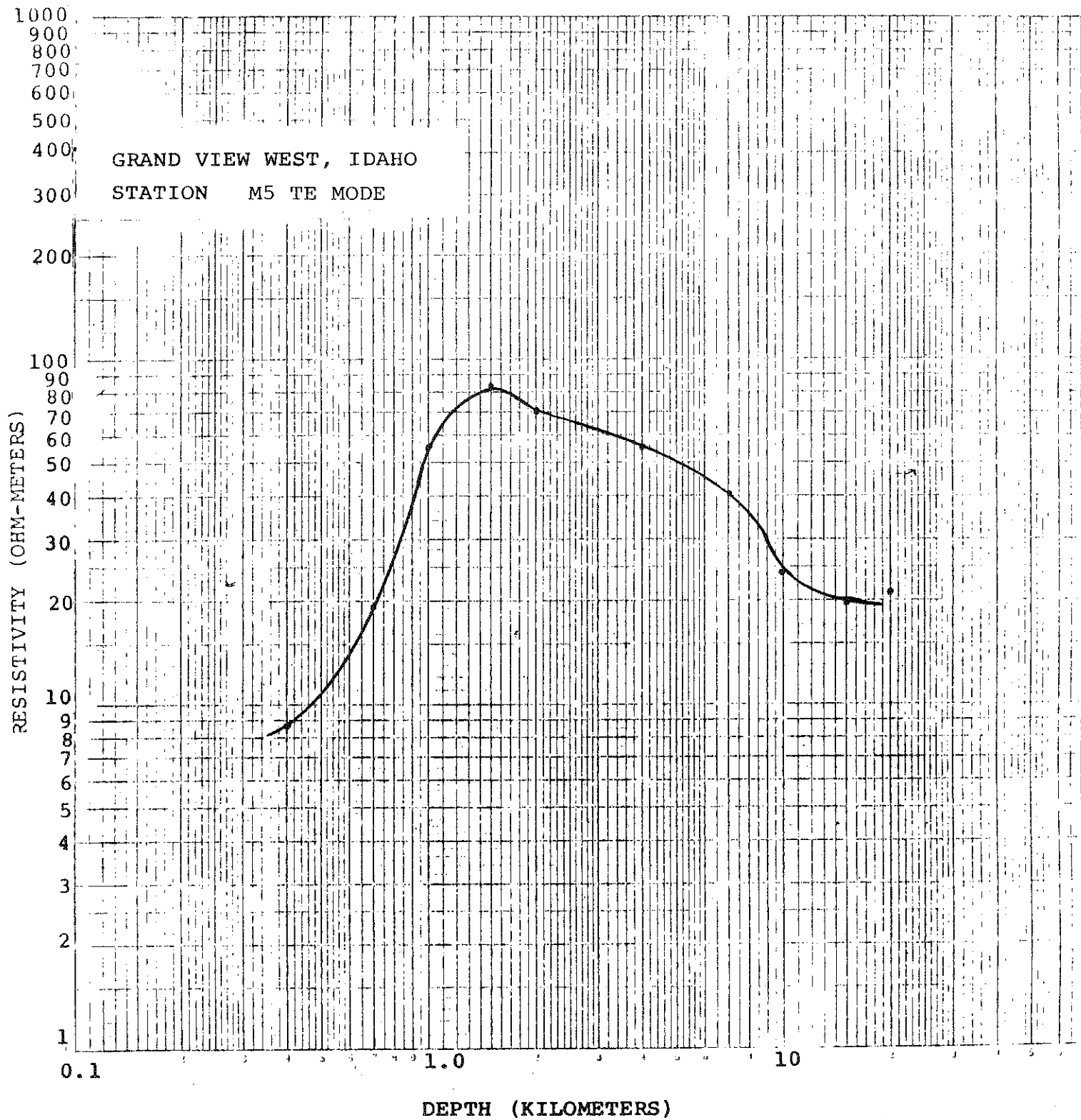


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

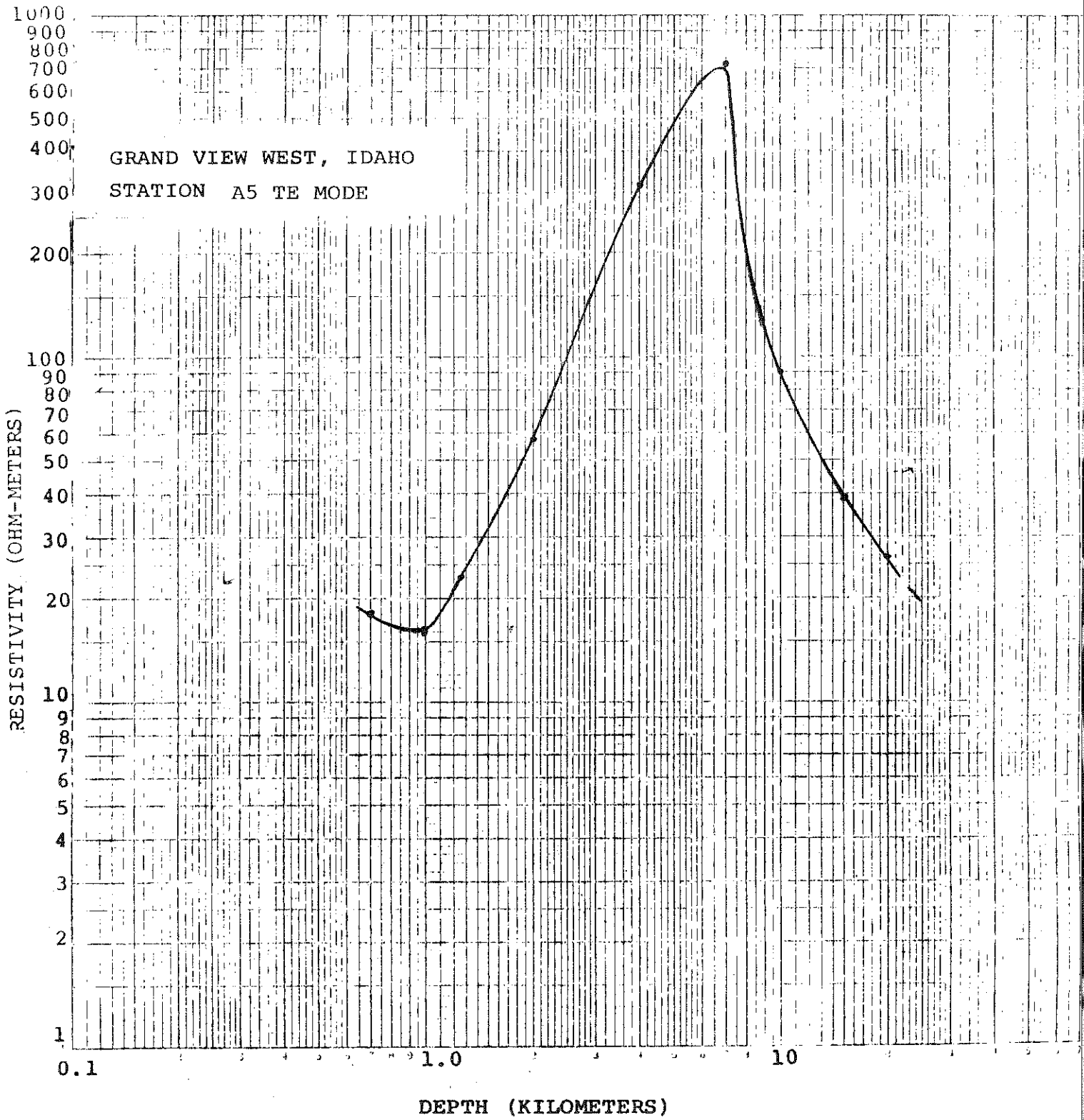


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

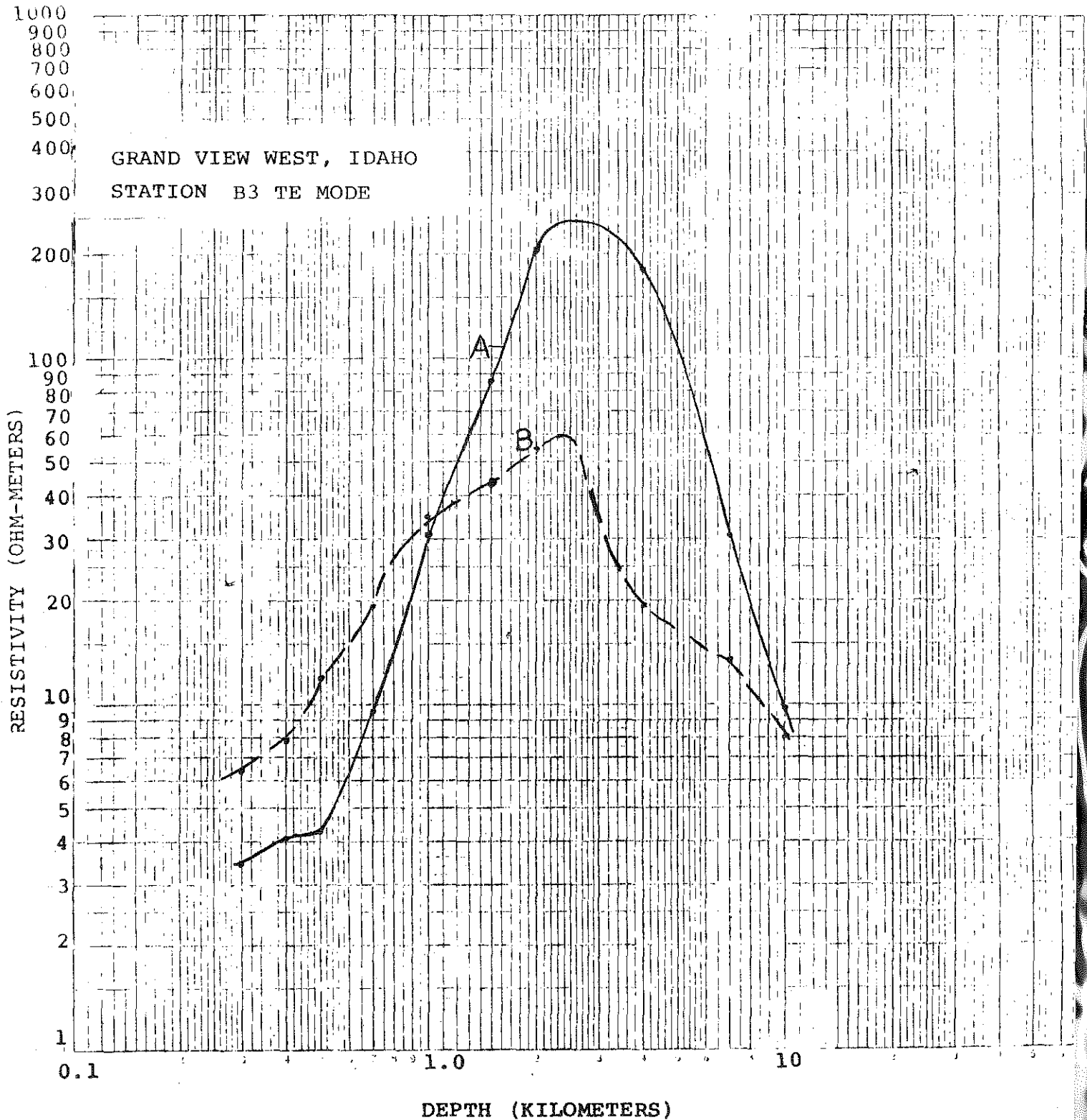


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

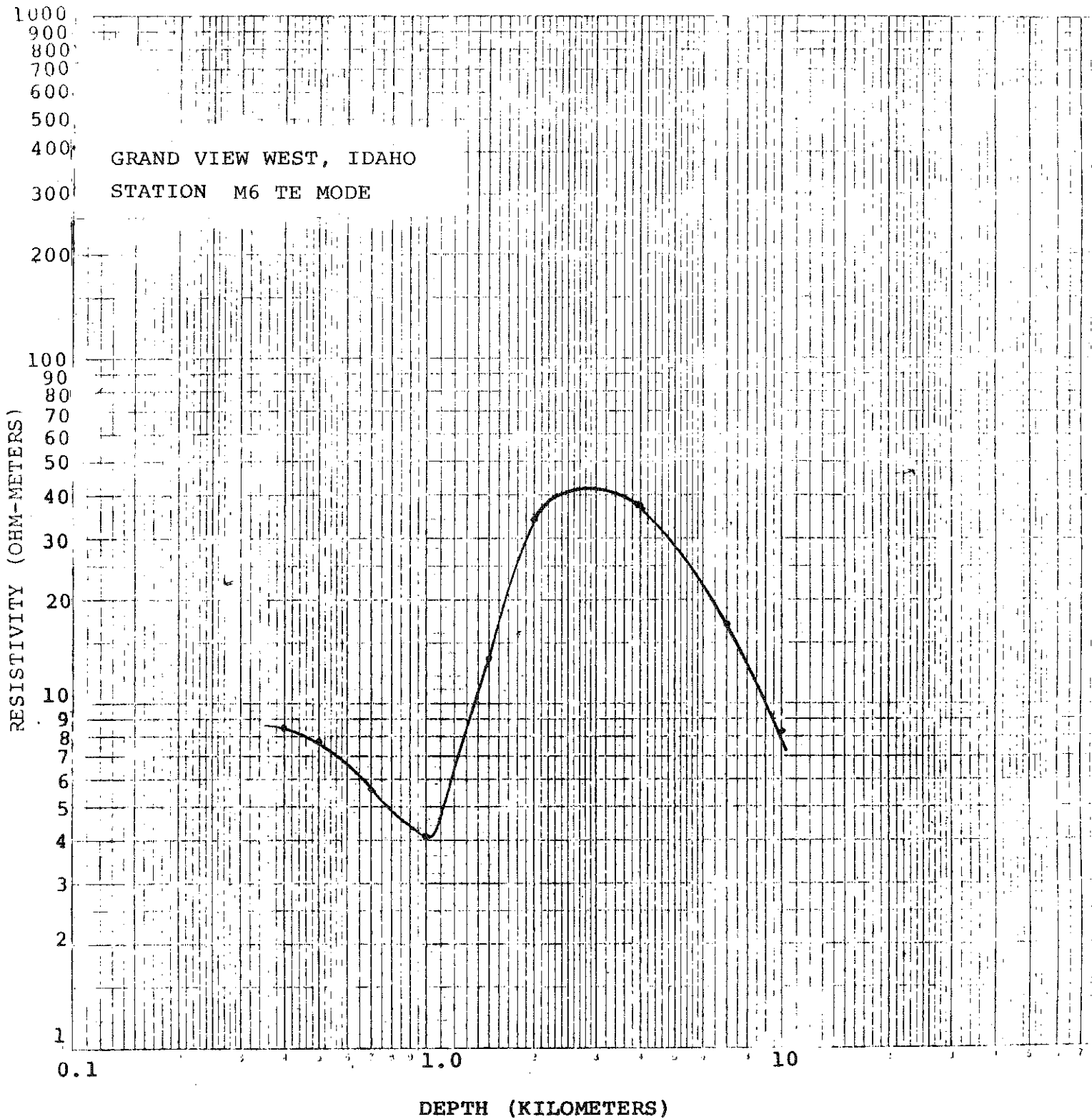


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

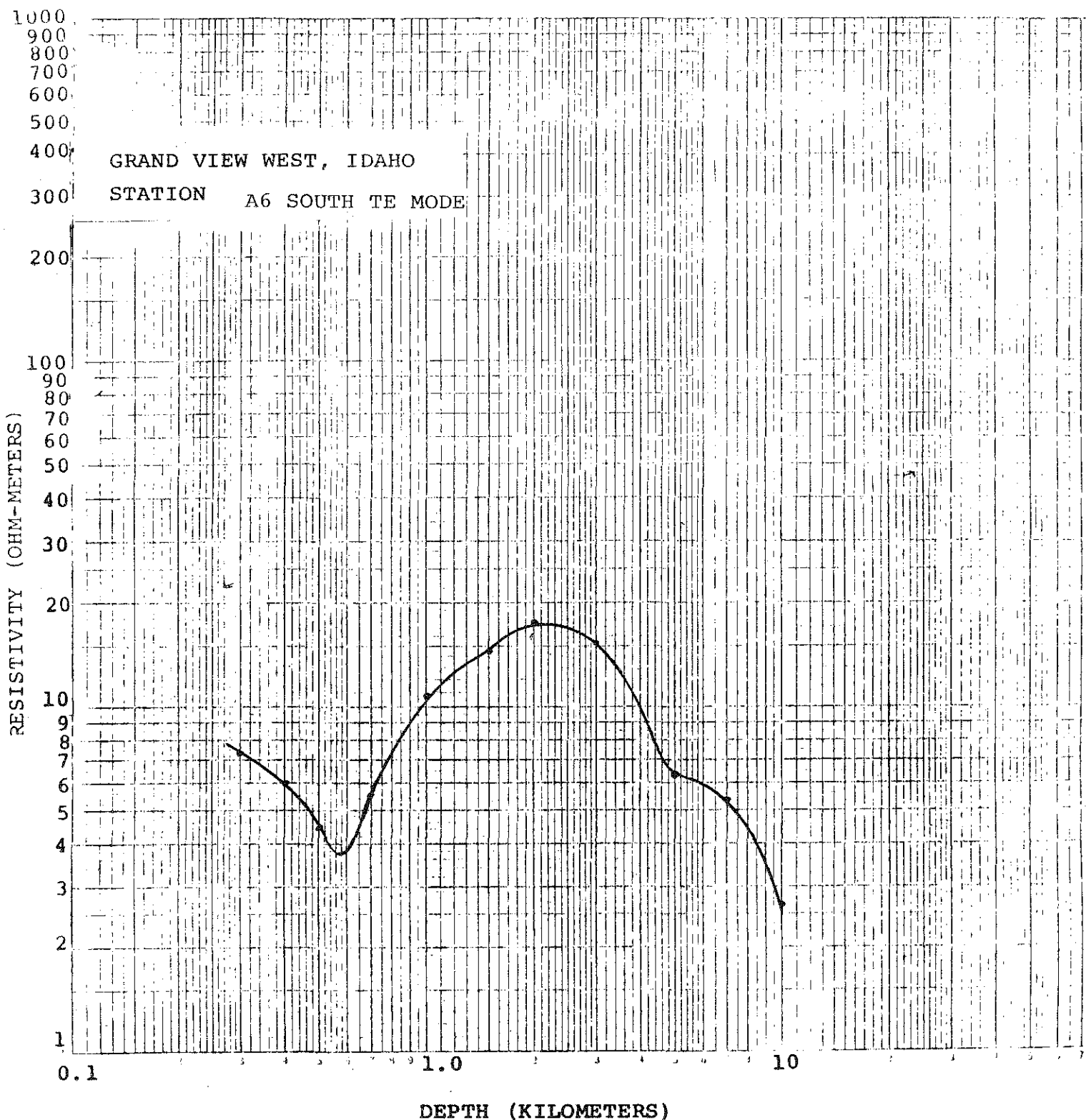


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

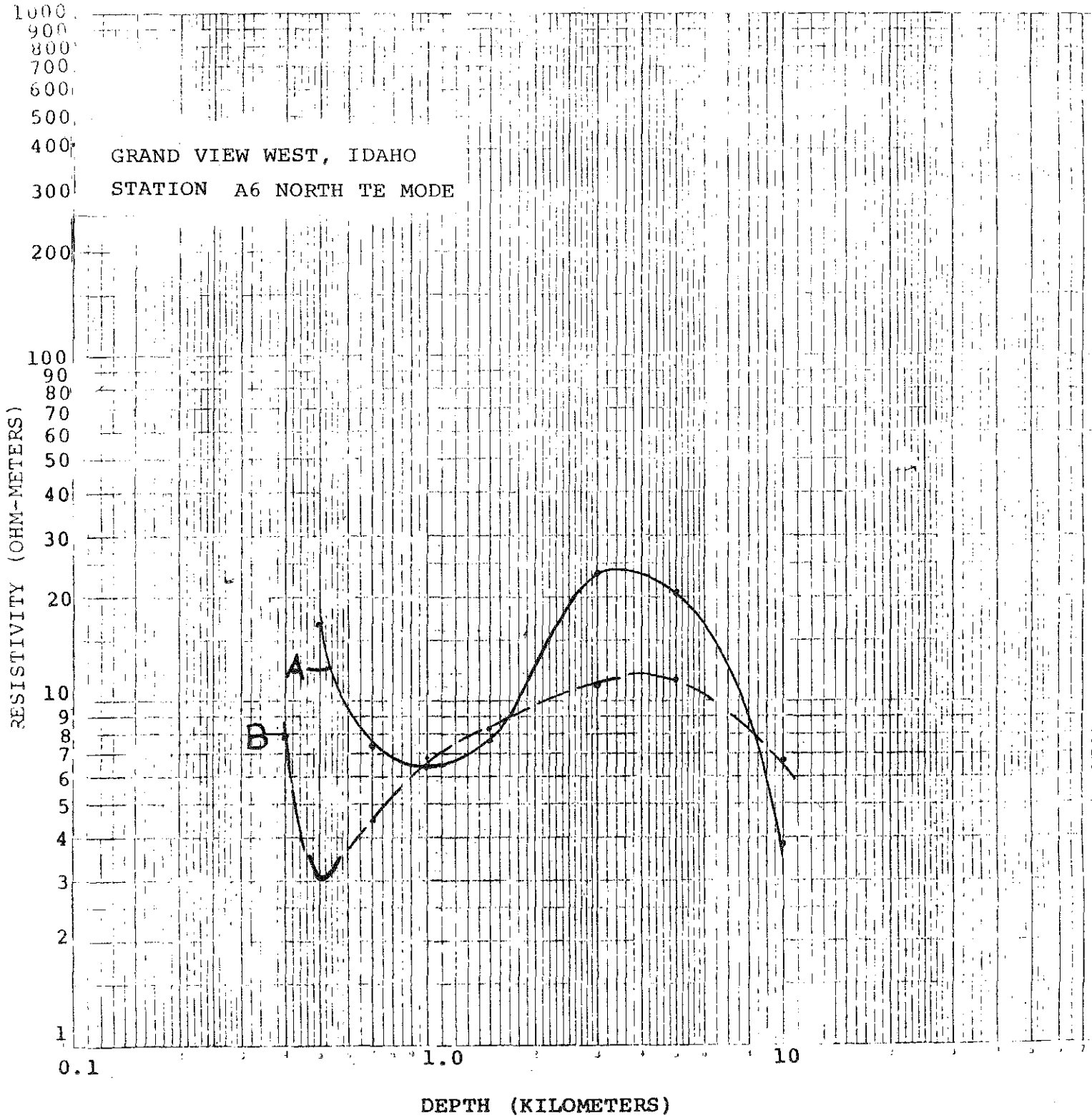


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.

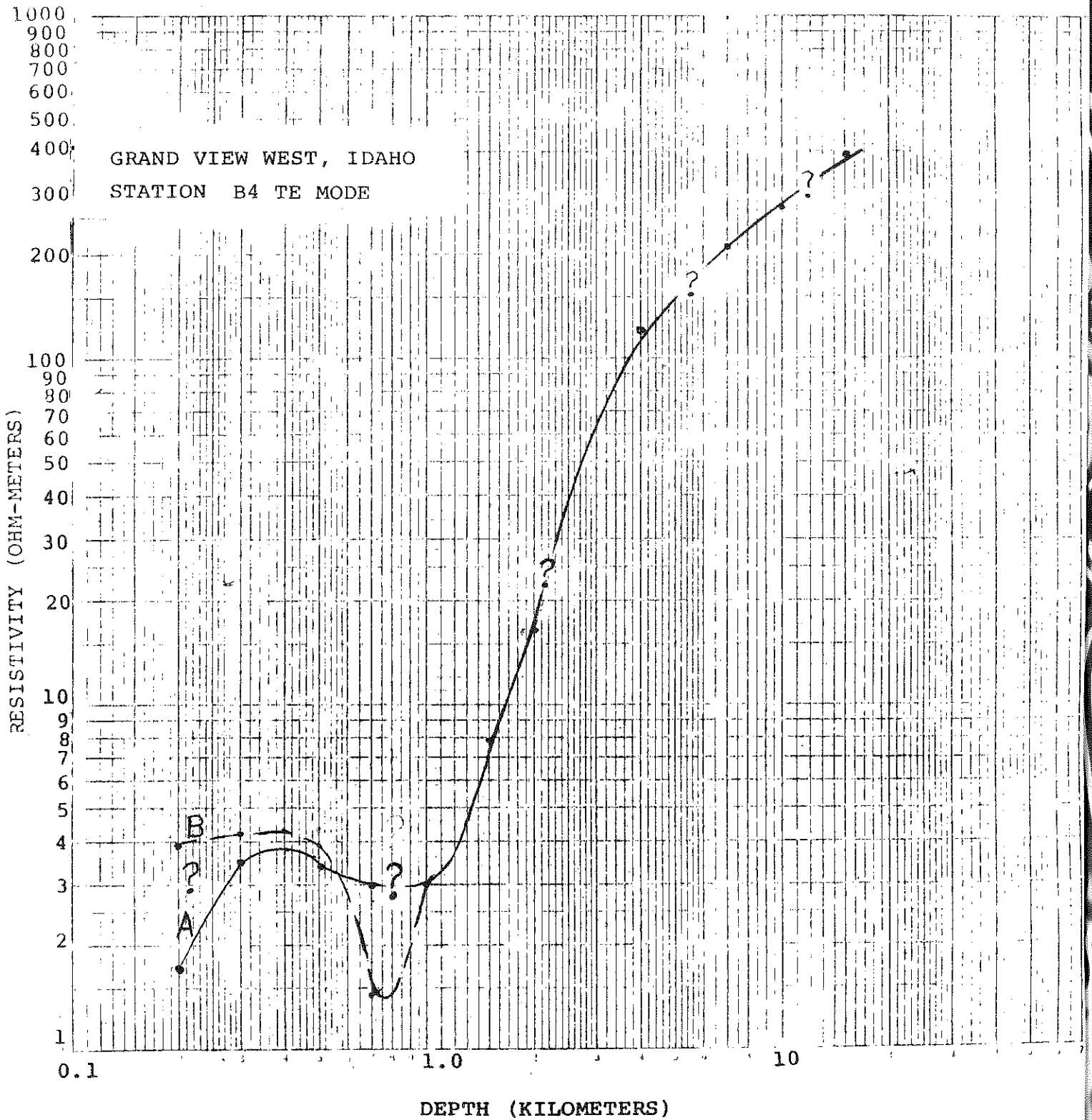
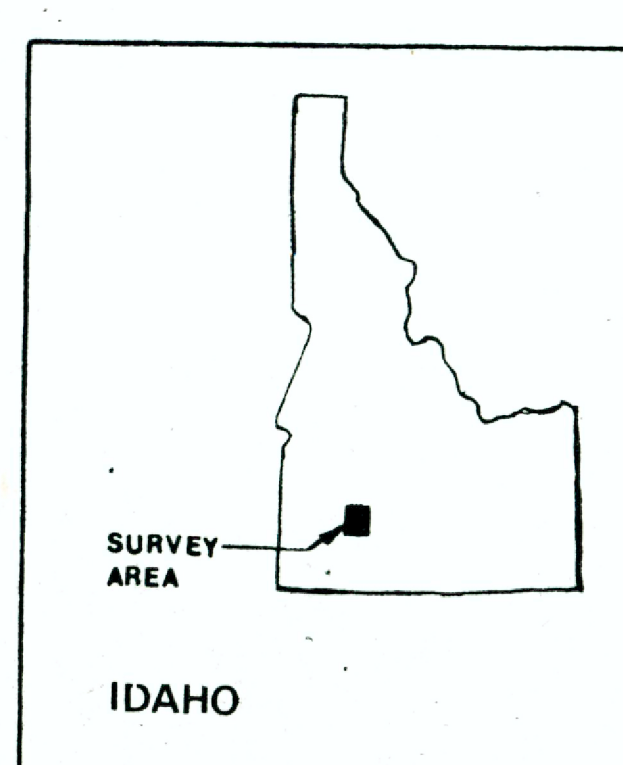
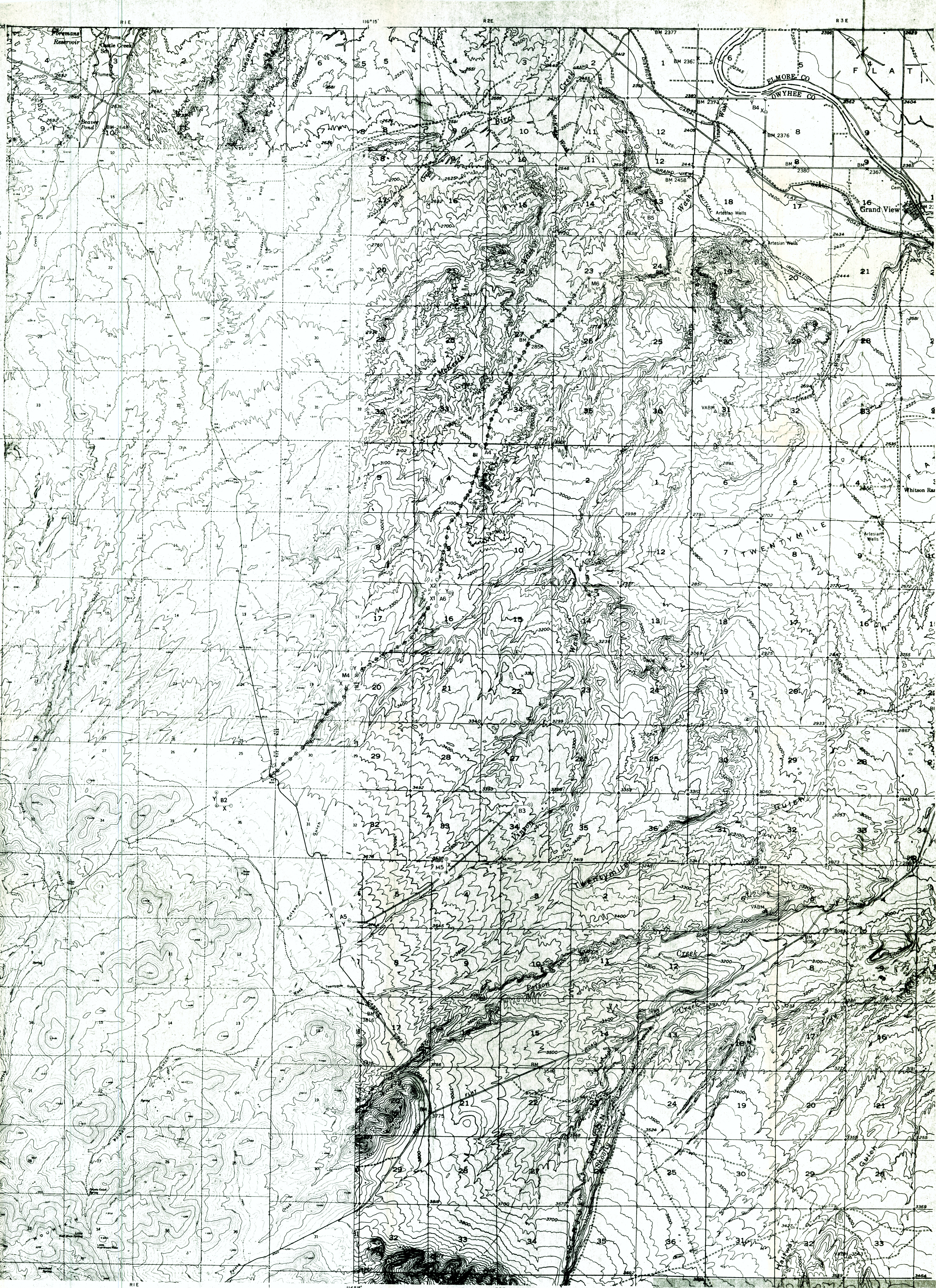


FIGURE . INTERPRETED RESISTIVITY VS DEPTH CURVE USING CONTINUOUS INVERSION METHOD.



TELLURIC AND MAGNETOTELLURIC SURVEY
 LOCATION MAP
 for
 AMAX EXPLORATION, INC.
 in
 GRAND VIEW PROSPECT WEST
 OWYHEE CO., IDAHO
 SCALE 1:24000 1:24000 METER
 TERRAPHYSICS 815 HARBOUR WAY SOUTH, RICHMOND, CA

