

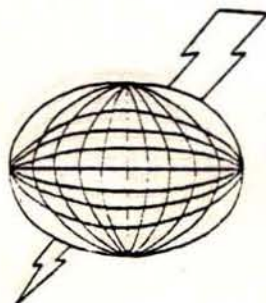
MAGNETOTELLURIC  
DATA

McCOY PROSPECT  
CHURCHILL COUNTY  
NEVADA

for

AMAX EXPLORATION, INC.

MARCH 1980

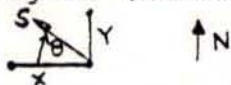


TERRAPHYSICS  
815 SOUTH TENTH STREET  
RICHMOND, CALIFORNIA 94804  
(415) 234-8961

#### SELECTION CRITERIA FOR MAGNETOTELLURIC DATA

Only those points are plotted for which the skewness  $\leq 0.5$  \*\* and the phase falls between 0 to -90 degrees.

Angles (strike) are measure positive clockwise from the X axis.



\*\* Skewness values were allowed up to 1.0 for station B2.

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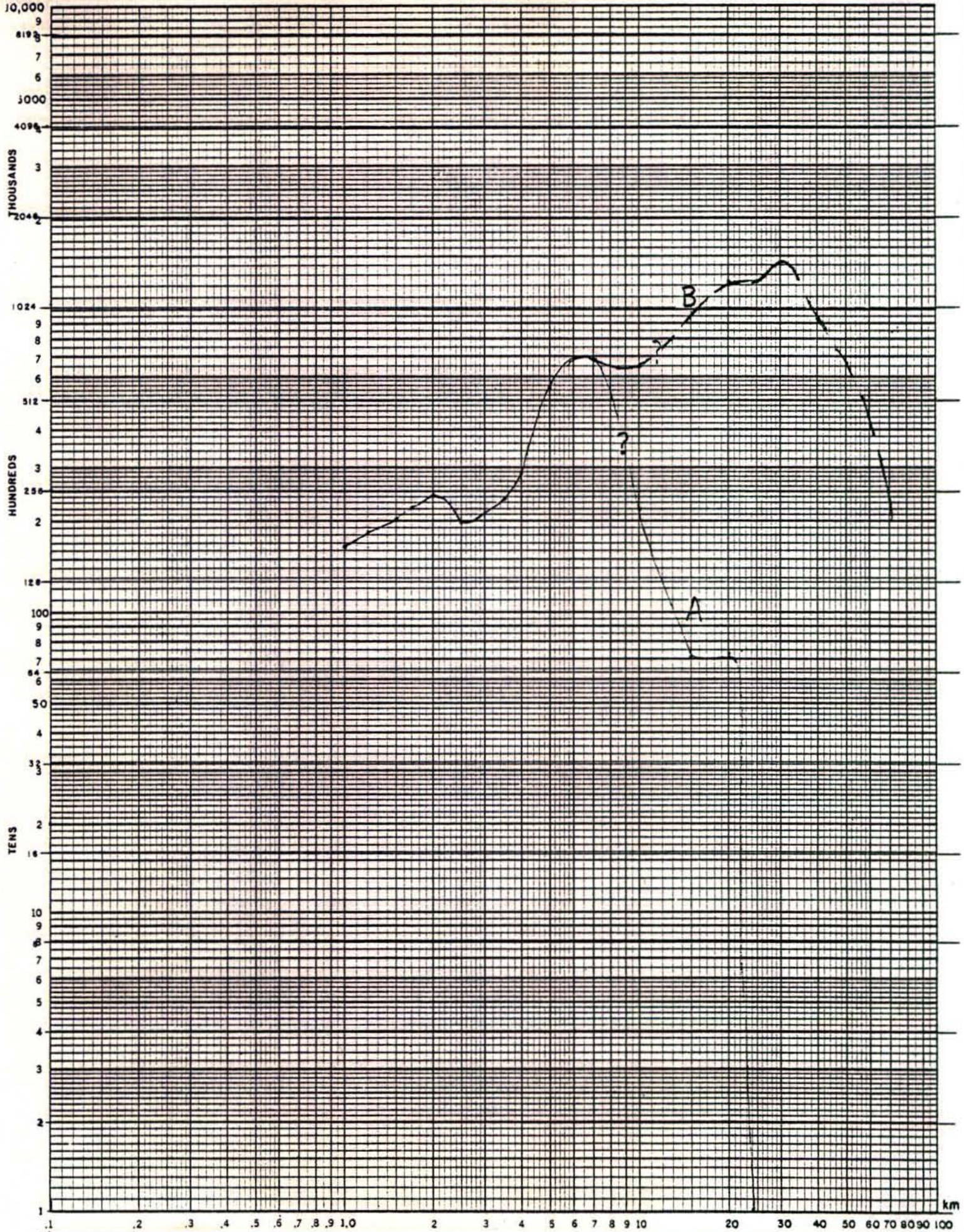
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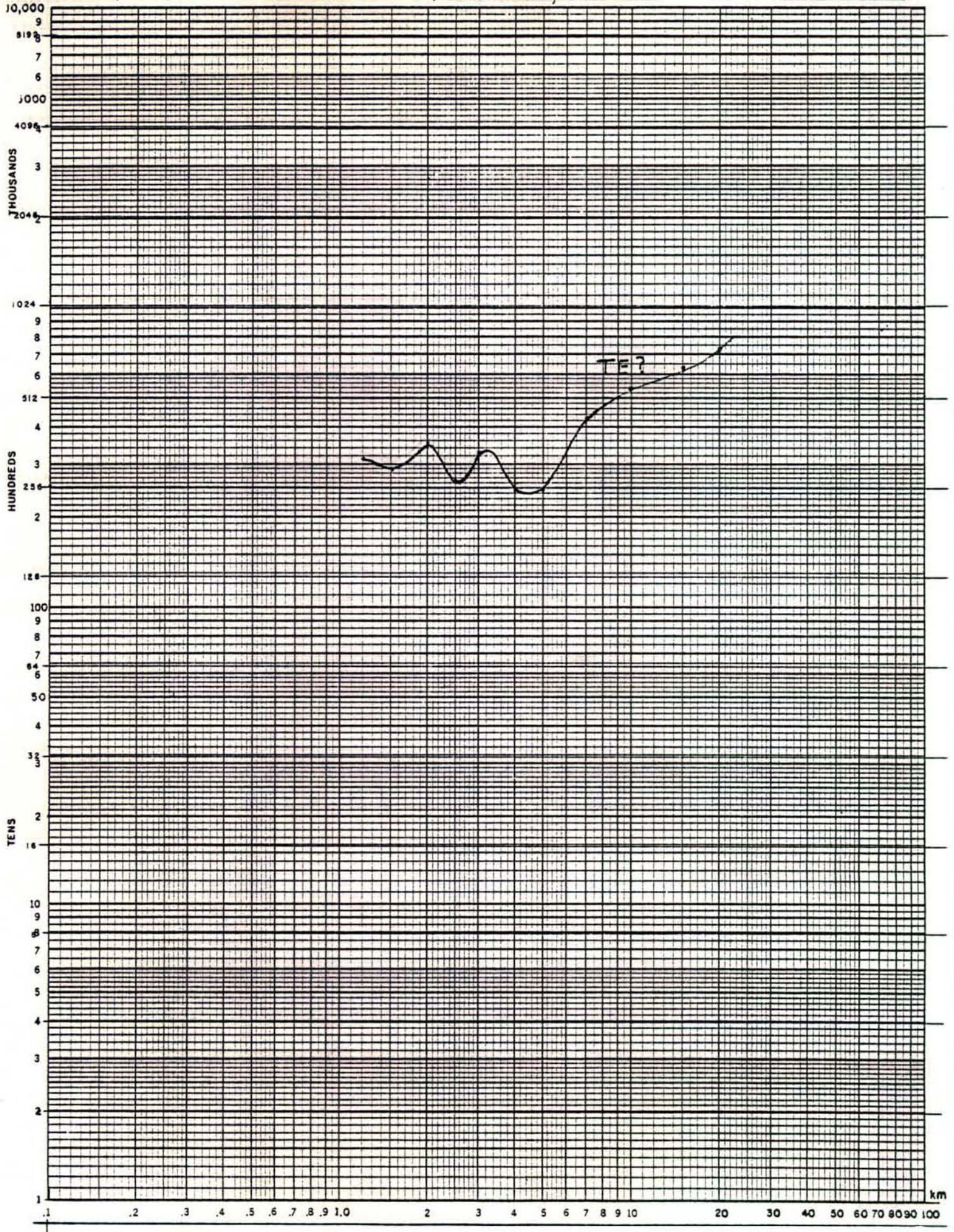
$\Omega m$  Resistivity vs Depth

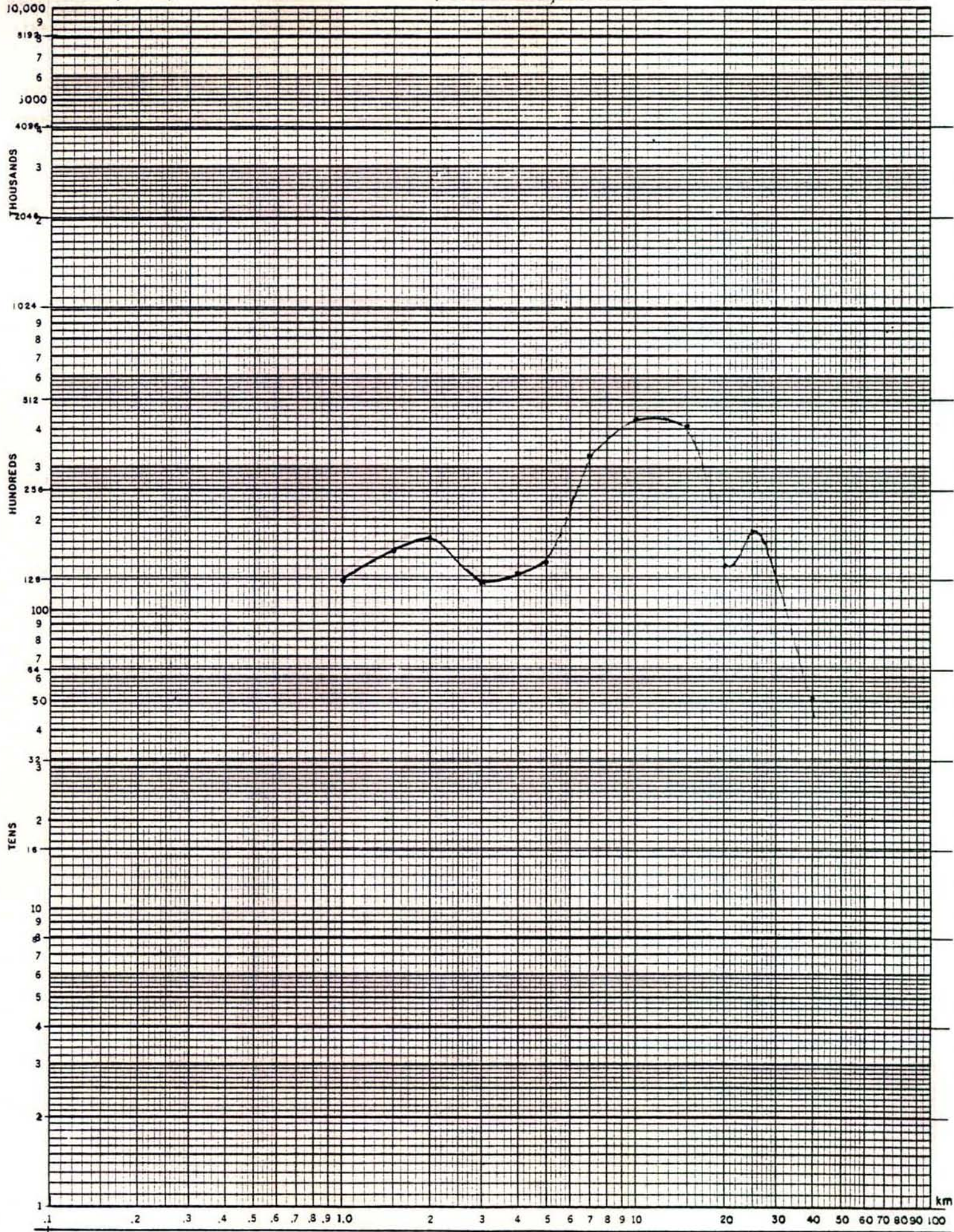


Proj. McCOY, NV

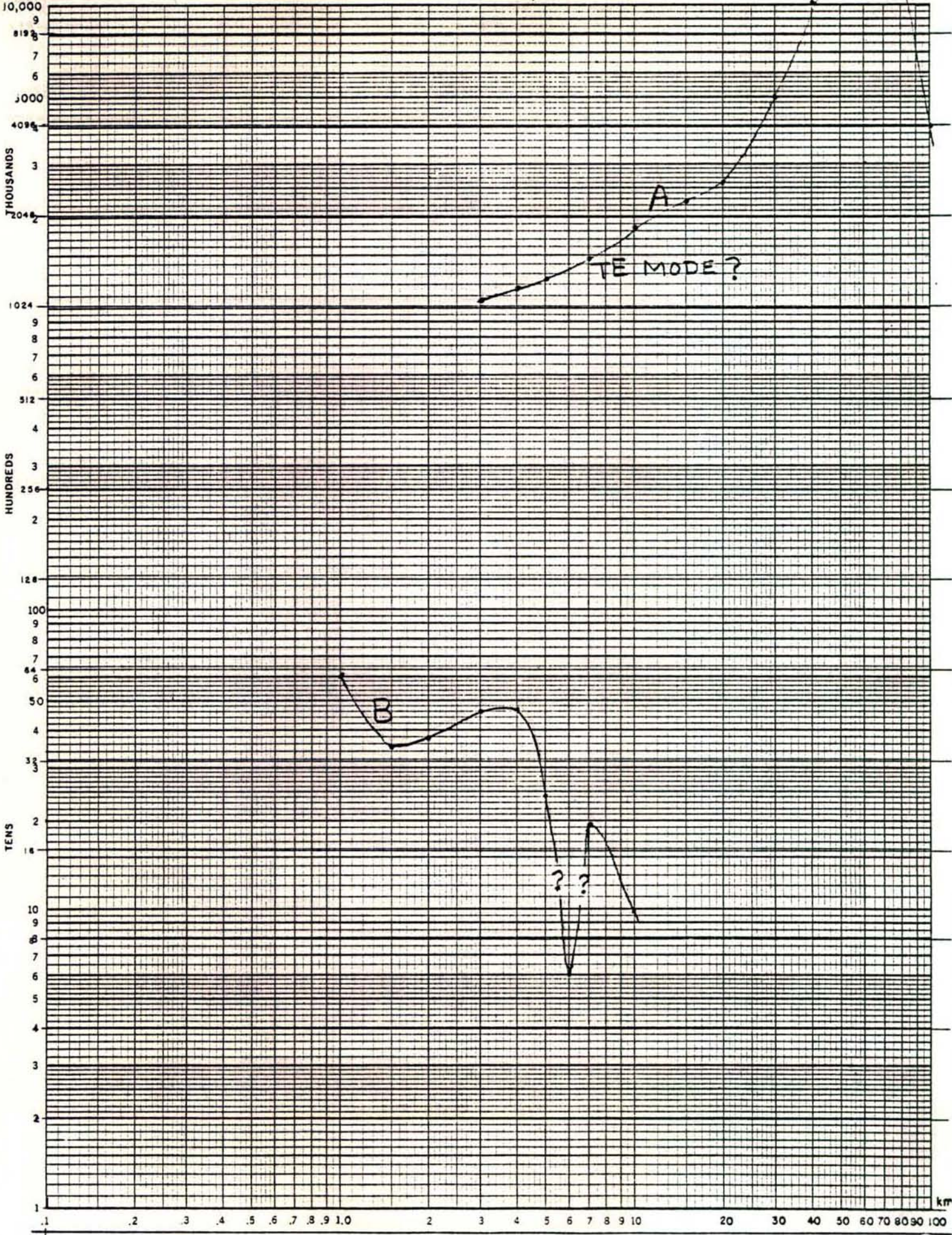
Station A1

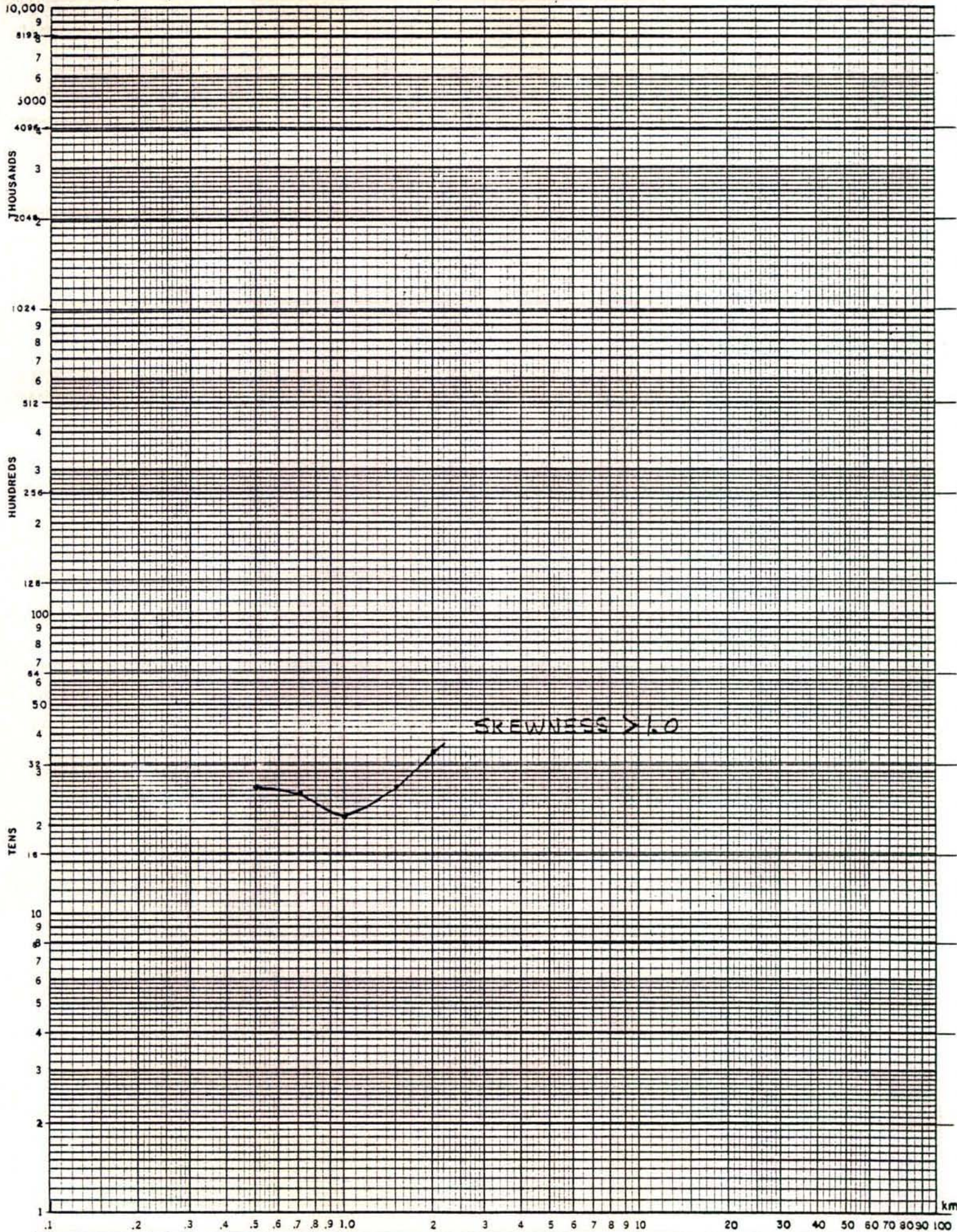
$\Omega m$  Resistivity vs Depth







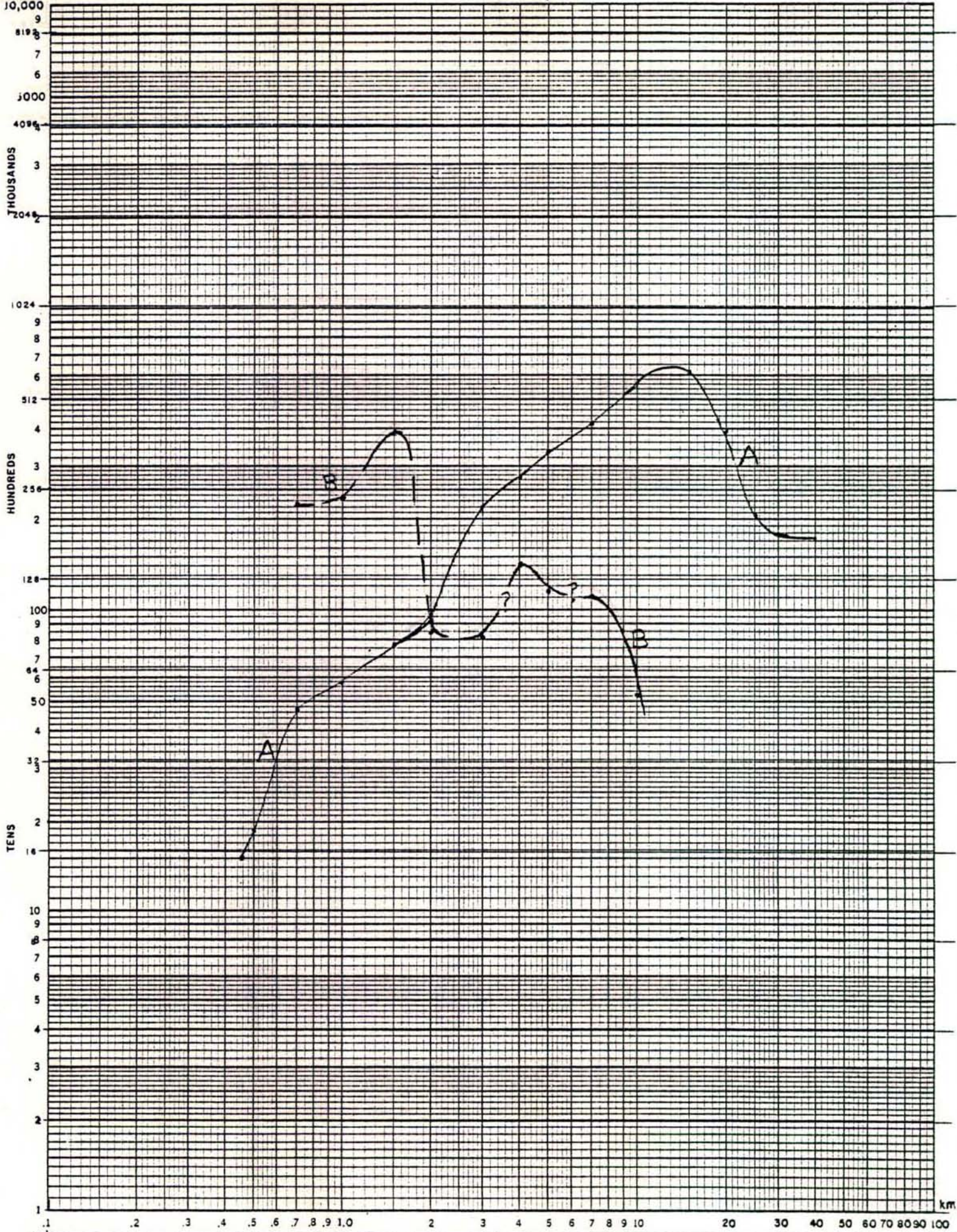




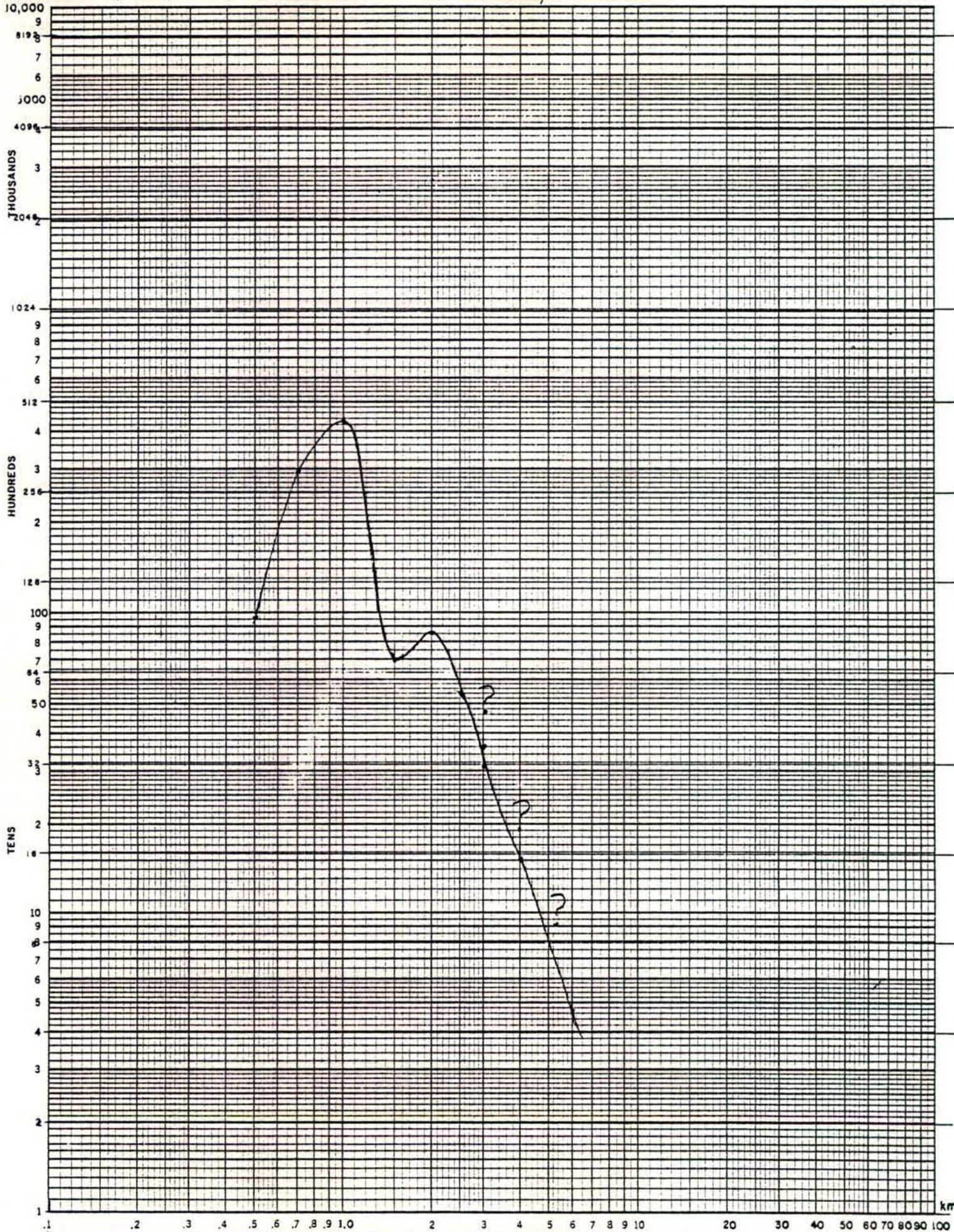
$\Omega m$  Resistivity vs Depth

Proj. McCOY, NV

Station M5



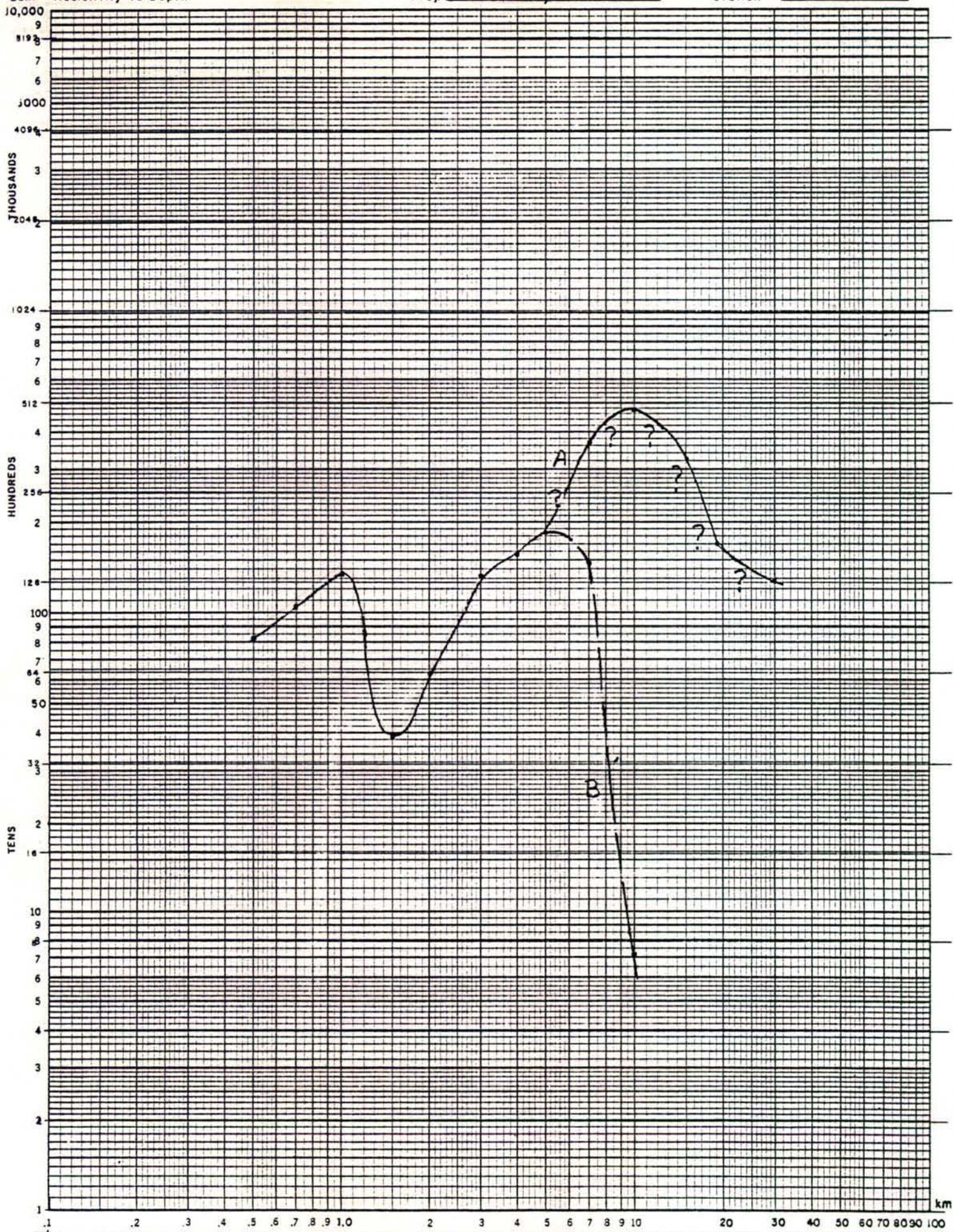
$\Omega m$  Resistivity vs Depth Proj. McCoy, NV Station A5

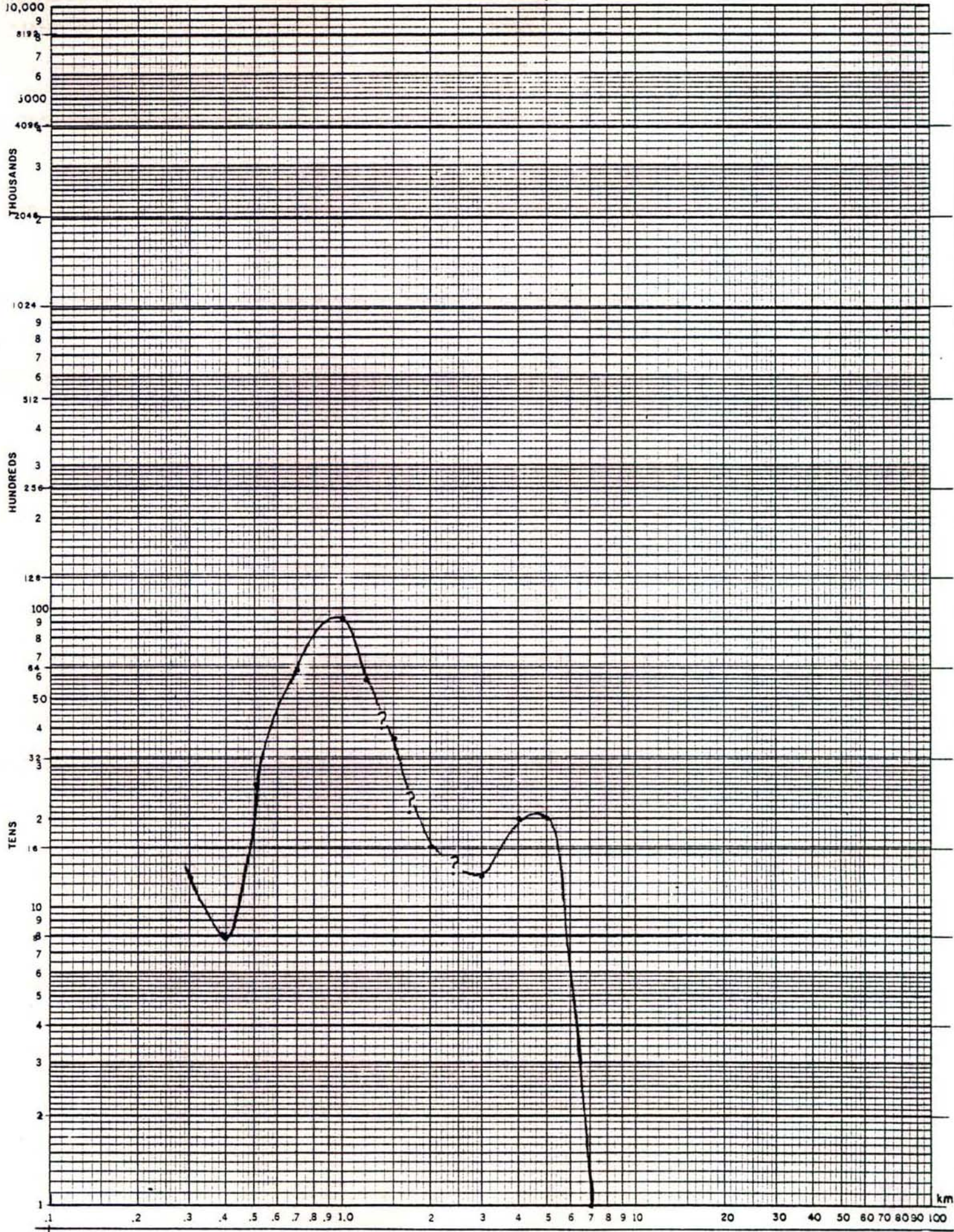


$\Omega m$  Resistivity vs Depth

Proj. McCoy, NV

Station B5

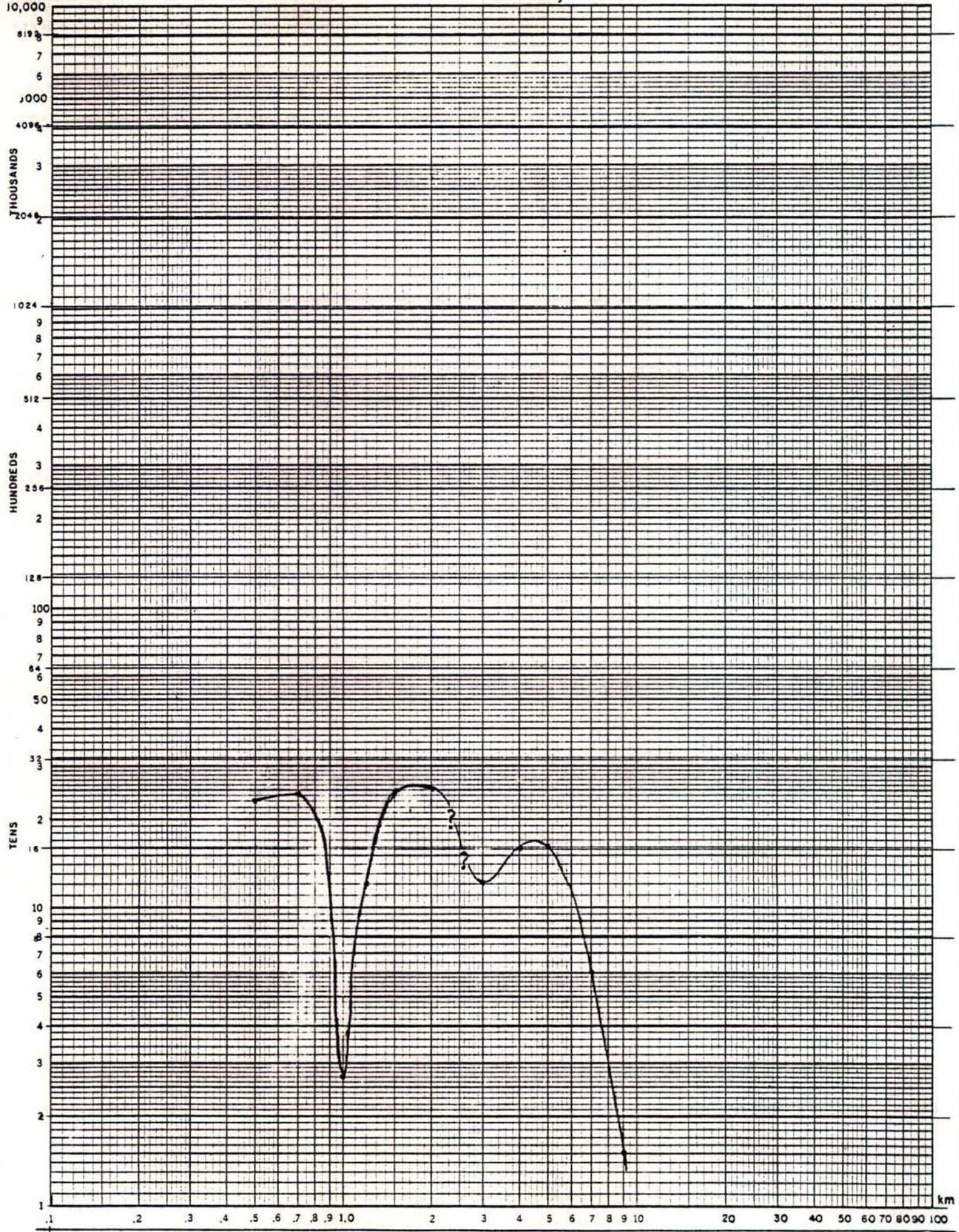


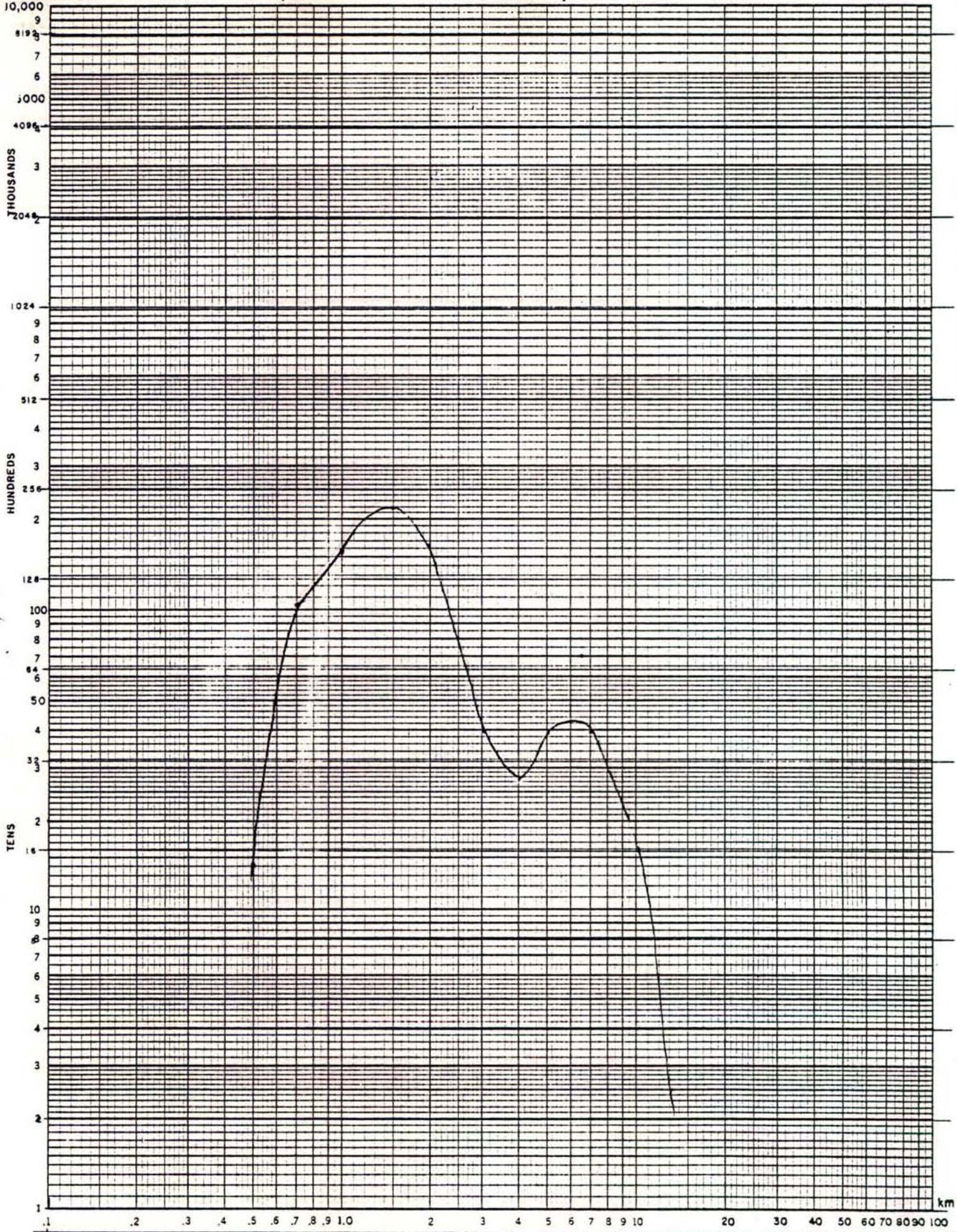


Proj. McCoy, NV

Station A6

$\Omega\cdot m$  Resistivity vs Depth



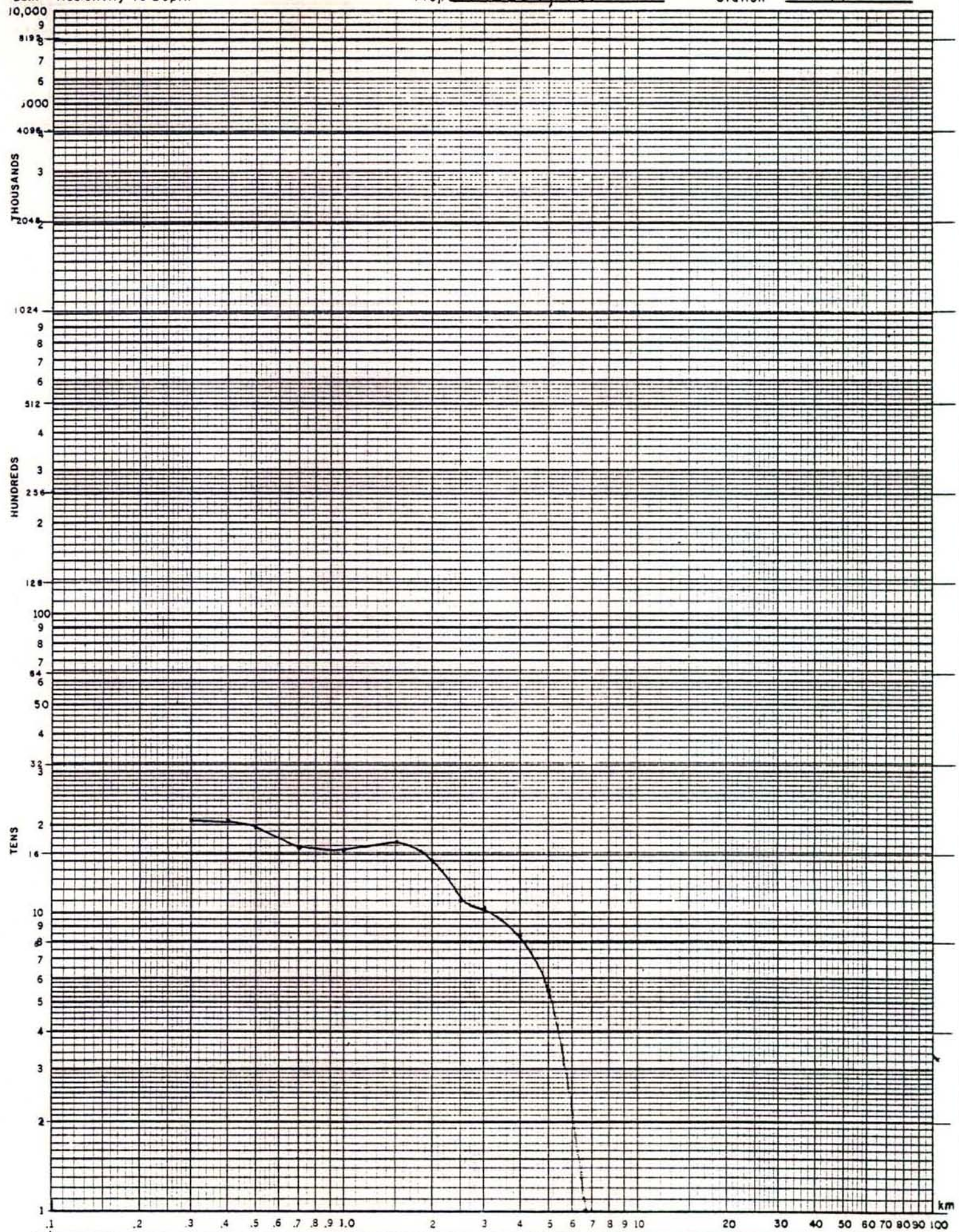




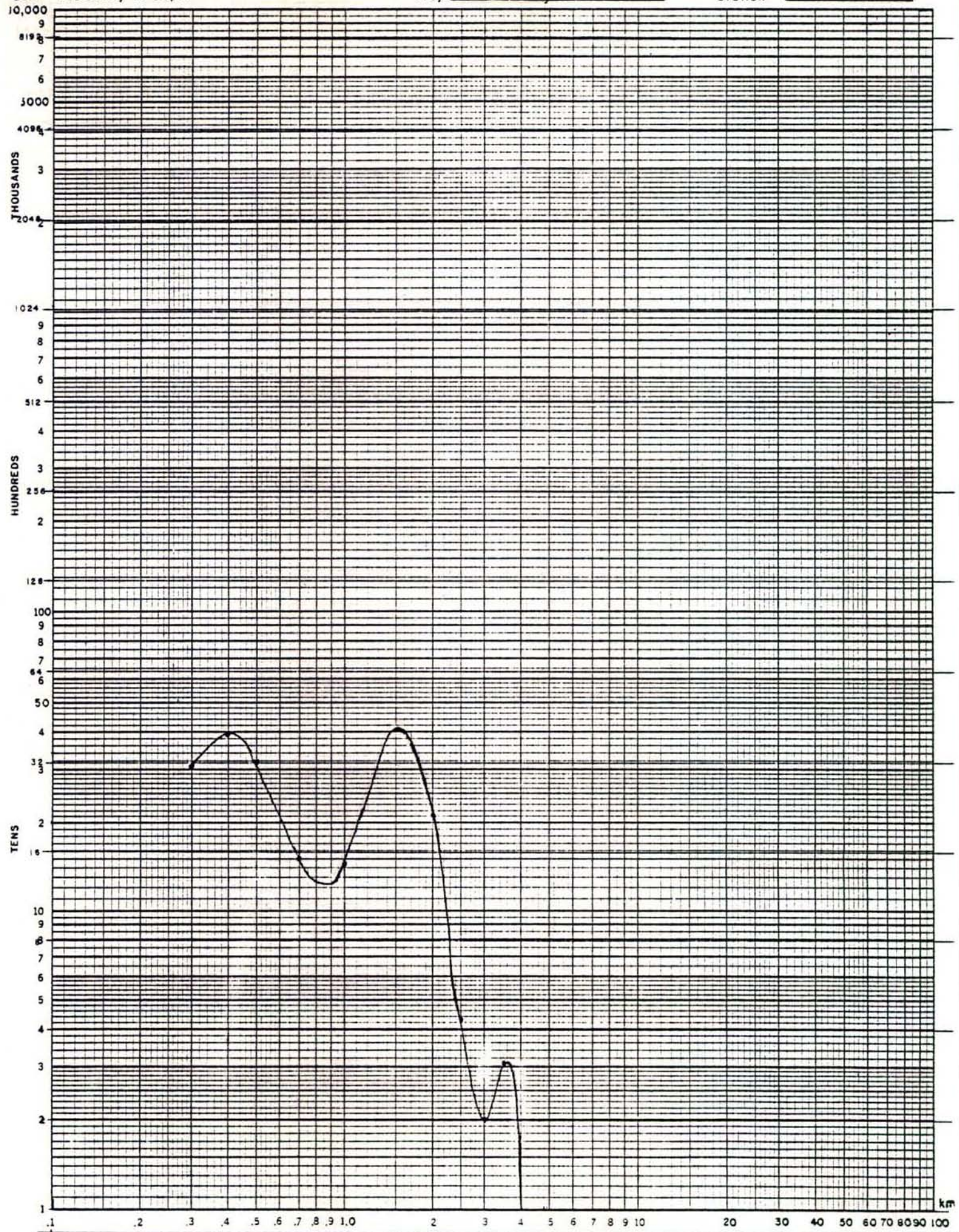
Resistivity vs Depth

Proj. McCoy, NV

Station M7



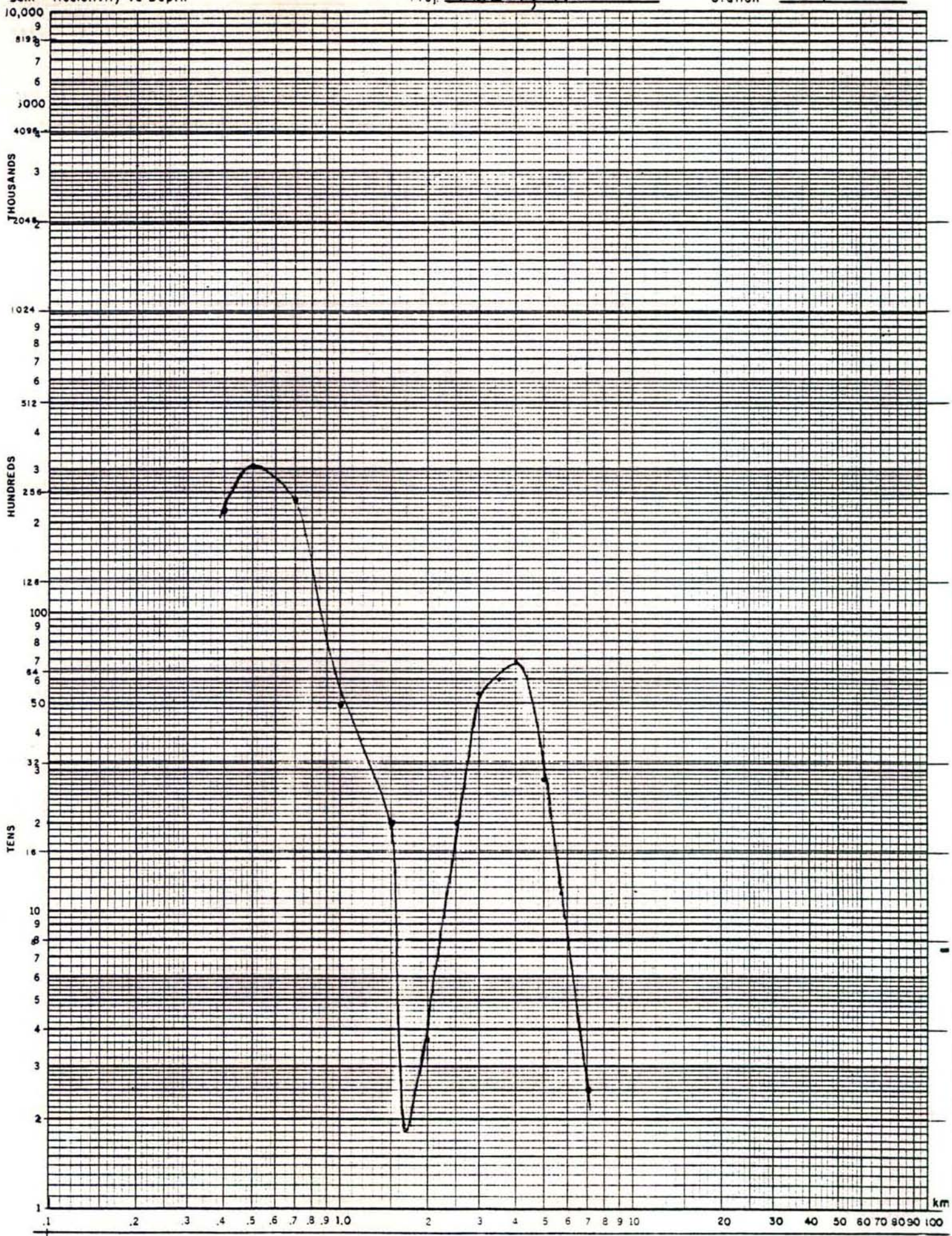
$\Omega\cdot m$  Resistivity vs Depth



$\Omega\text{m}$  Resistivity vs Depth

Proj: McCoy, NV

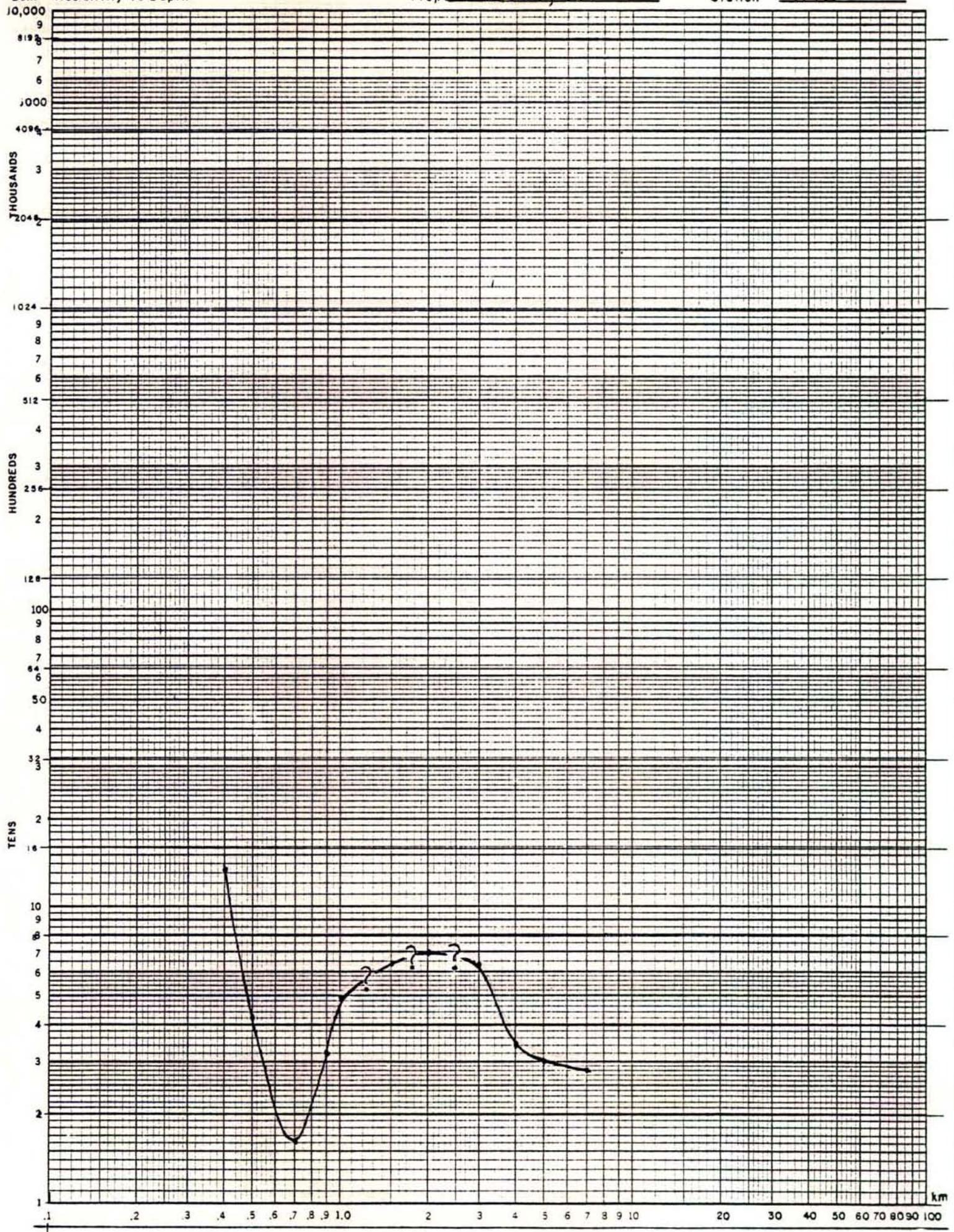
Station B7



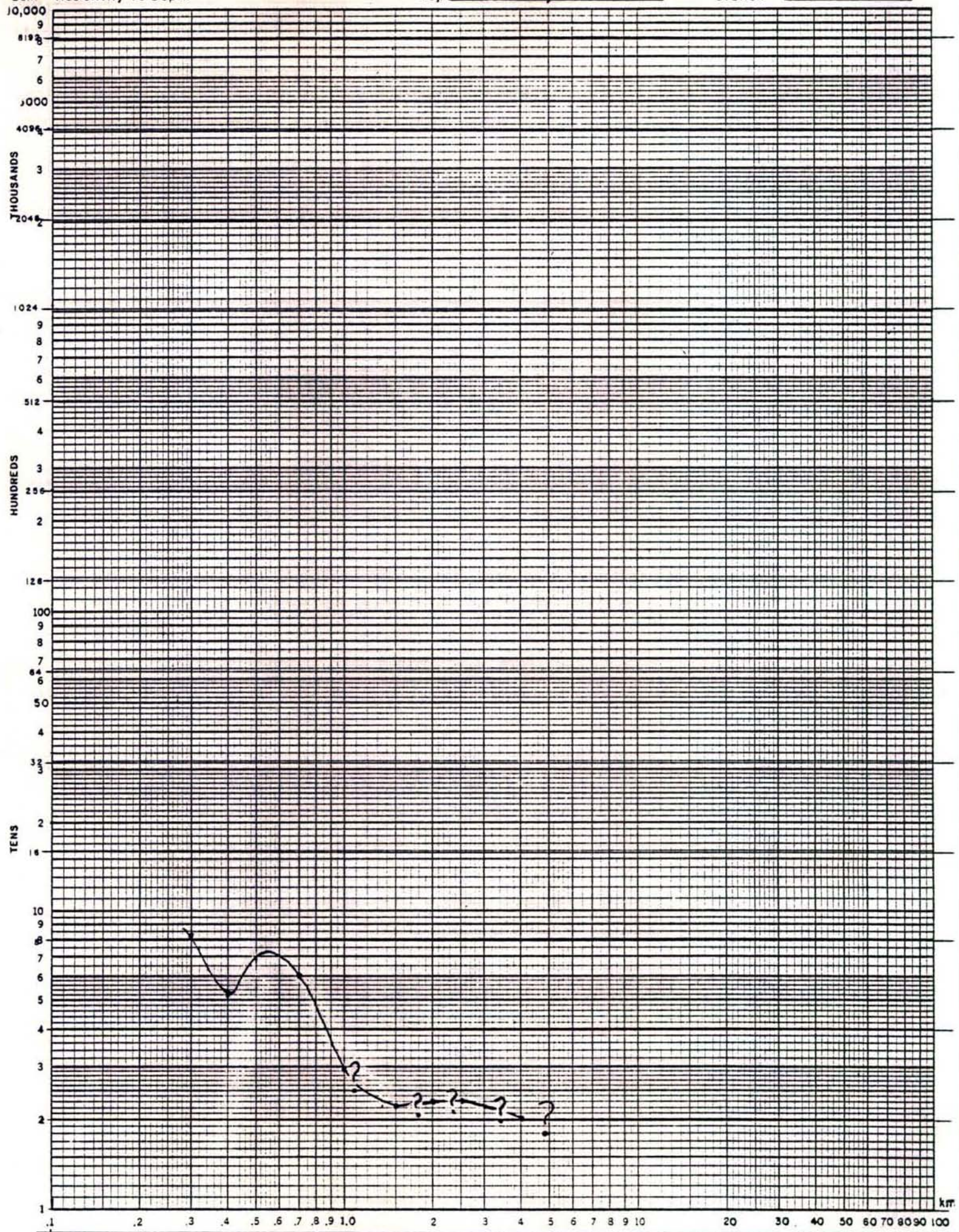
Proj. McCoy, NV

Station M8

$\Omega m$  Resistivity vs Depth



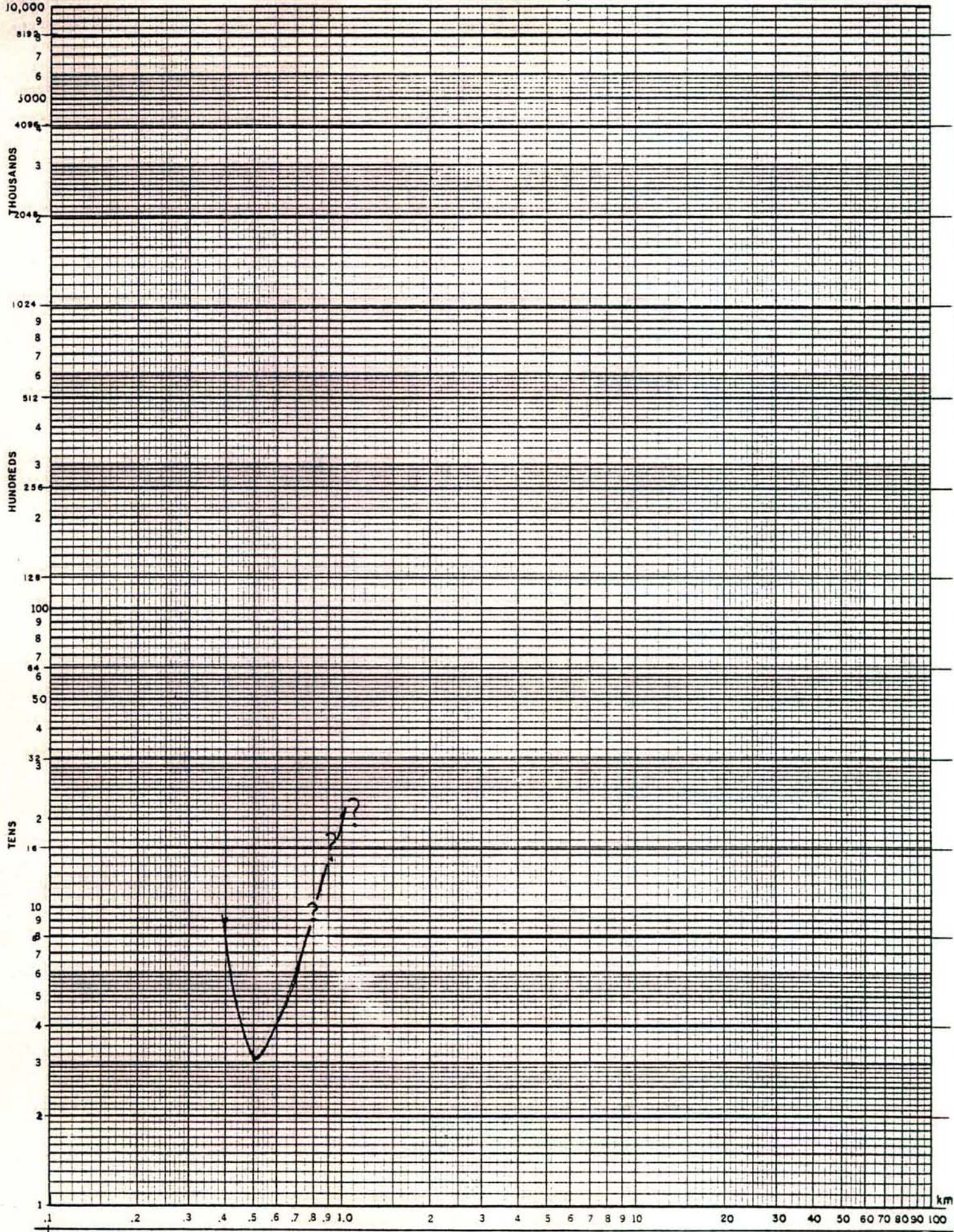
$\Omega\cdot m$  Resistivity vs Depth

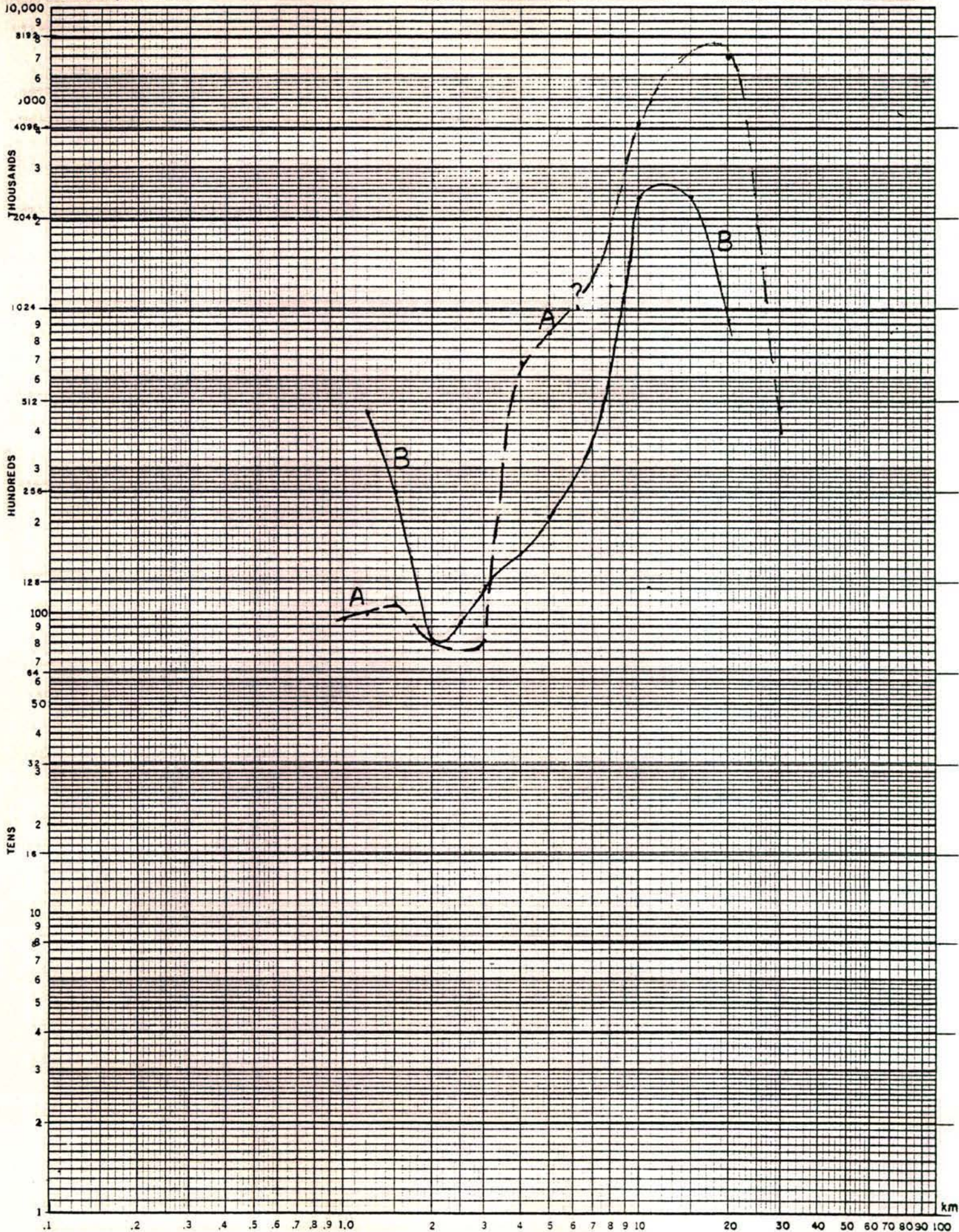


52m Resistivity vs Depth

Proj. McCoy, NV

Station B8

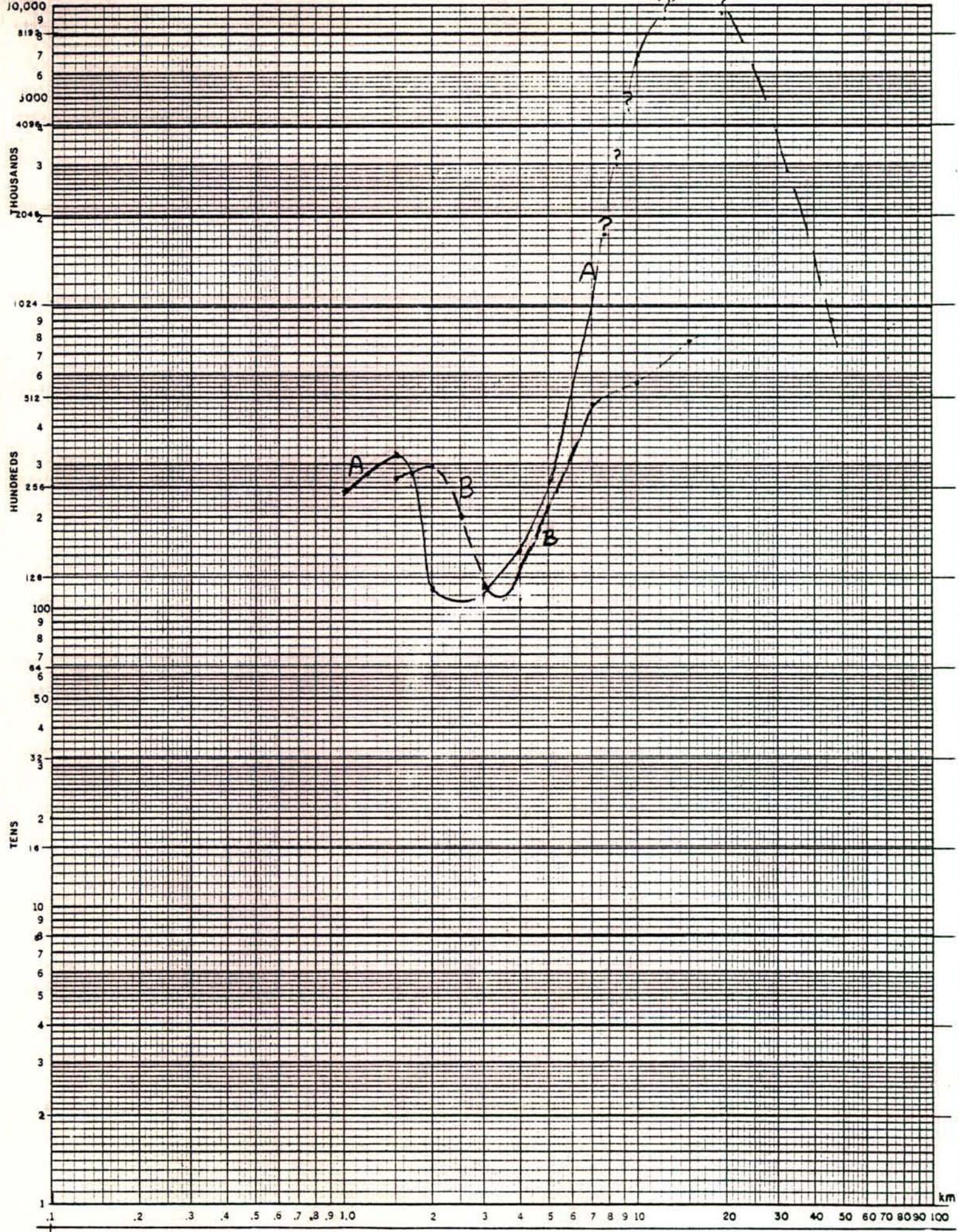




Proj. MCCOY, NV

Station A9

$\Omega m$  Resistivity vs Depth

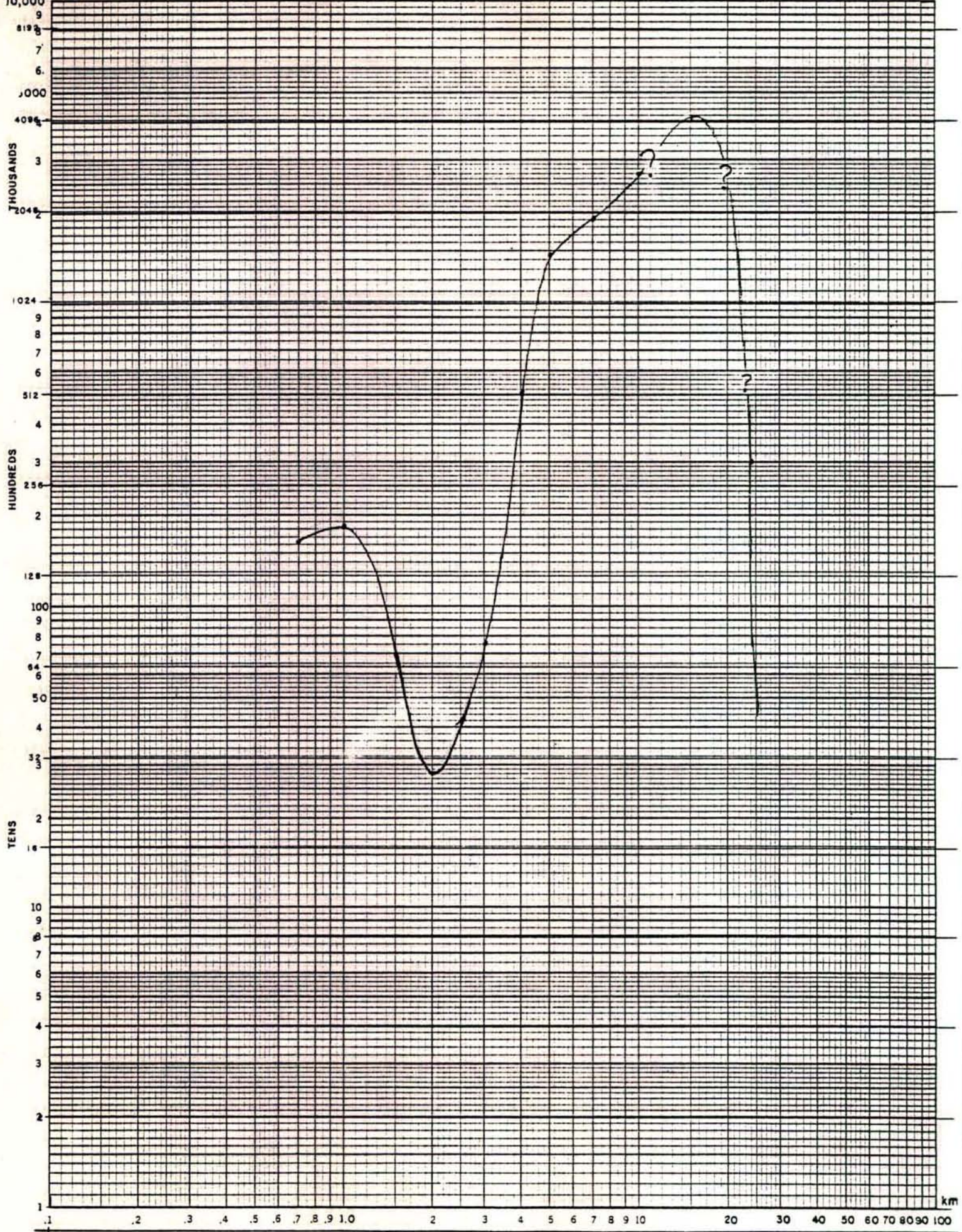




Proj. McCOY, NV

Station B9

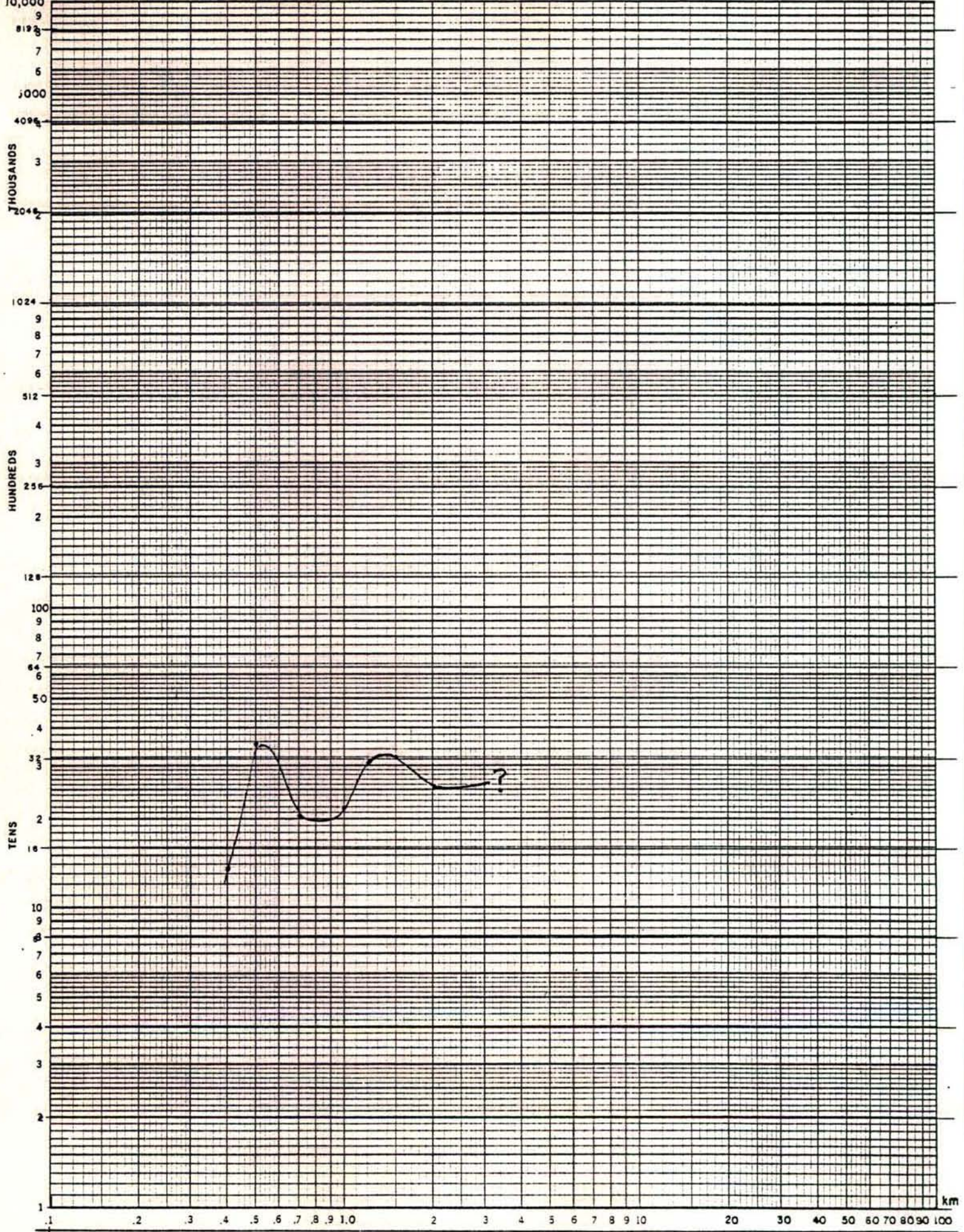
$\Omega m$  Resistivity vs Depth



Proj. McCoy, NV

Station M10

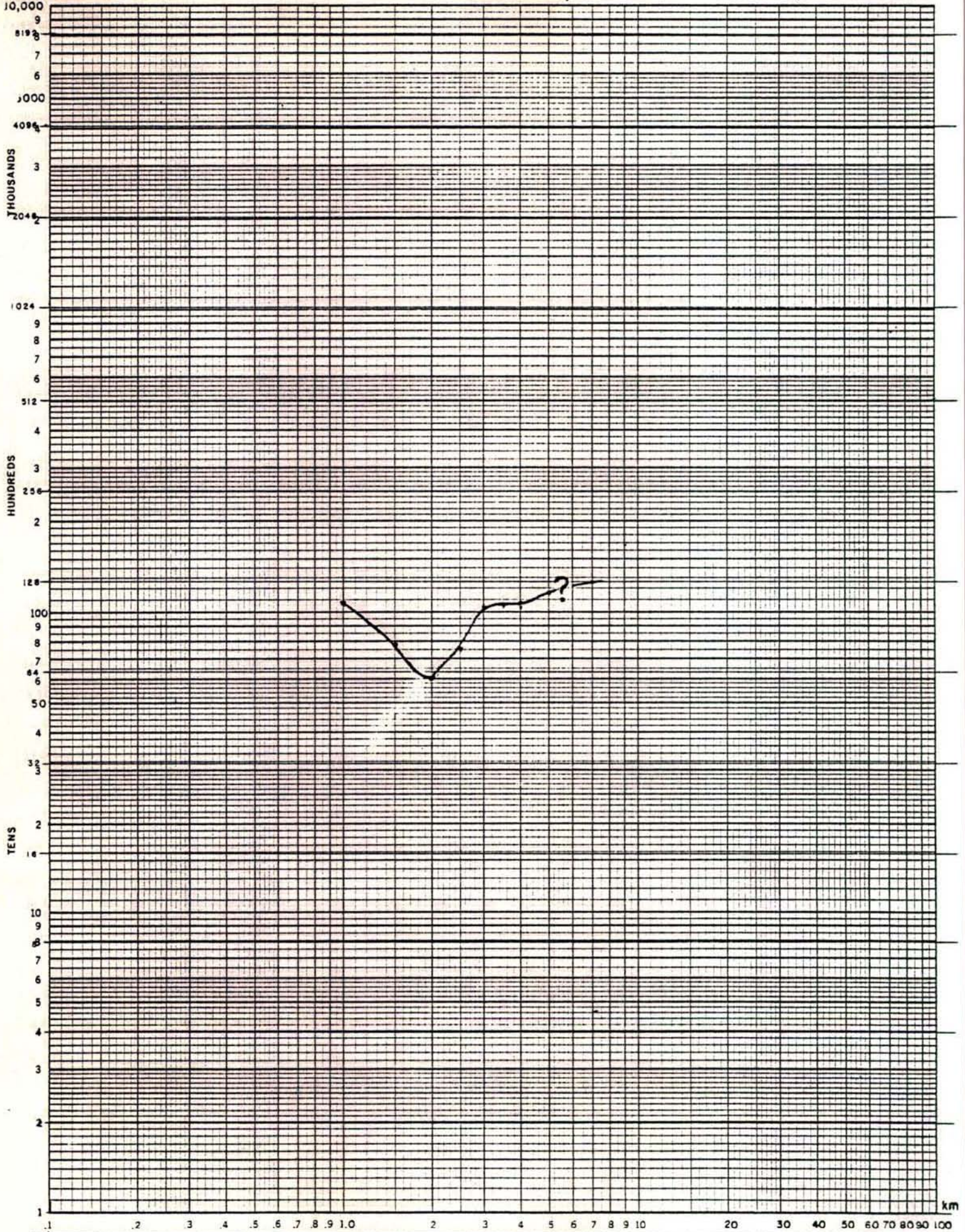
$\Omega m$  Resistivity vs Depth

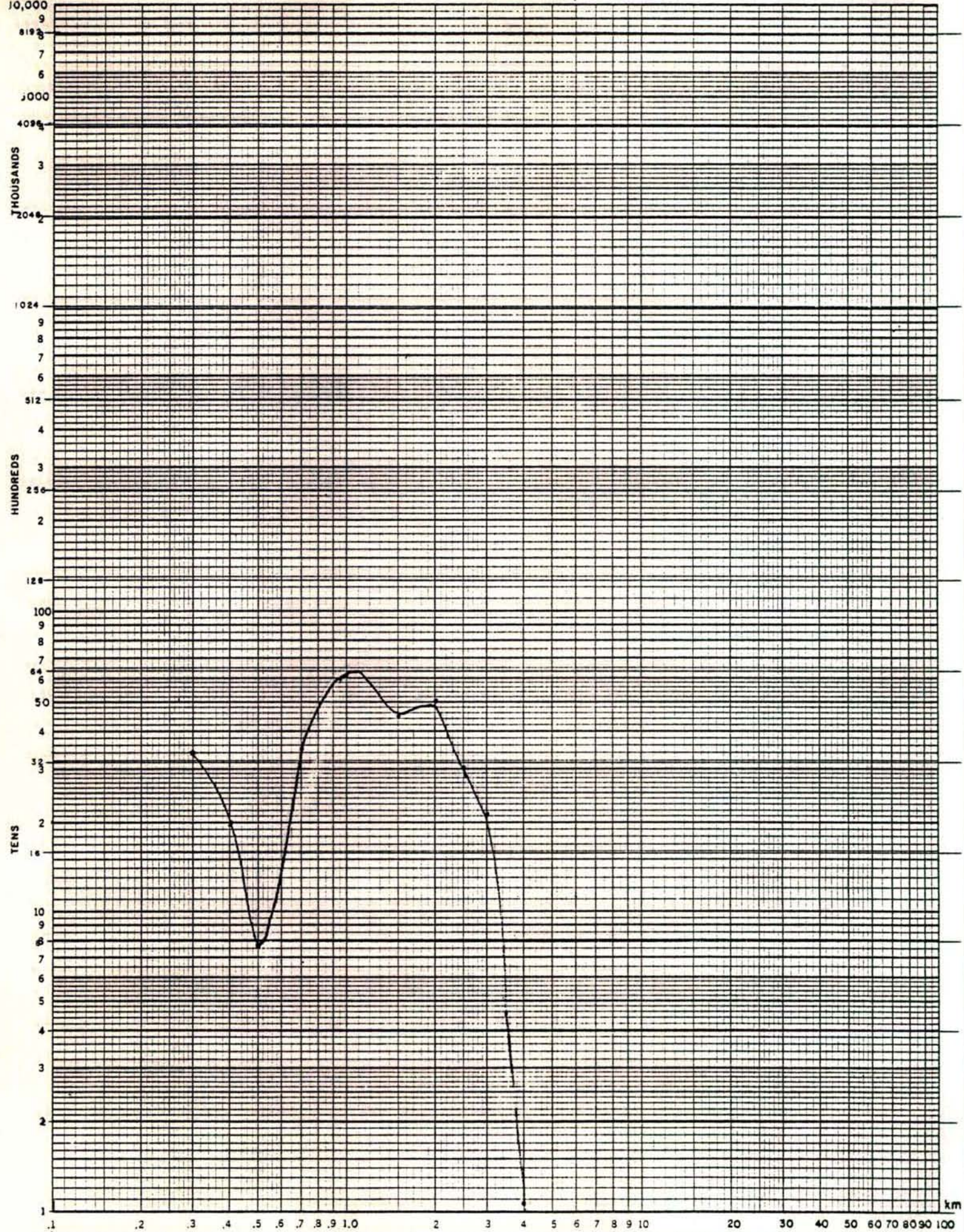


Resistivity vs Depth

Proj. McCoy, NV

Station A10

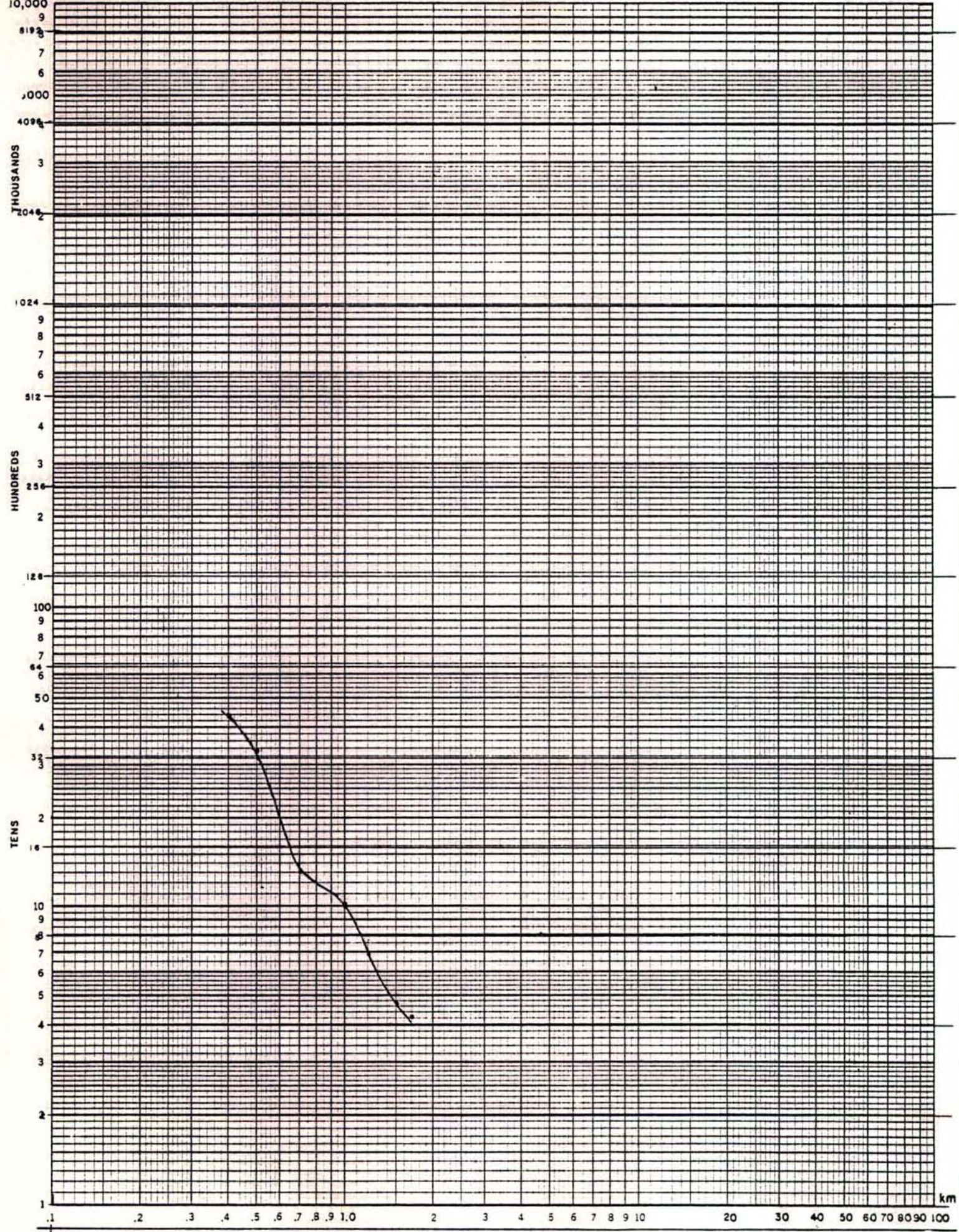




$\Omega\text{m}$  Resistivity vs Depth

Proj. McCOY, NV

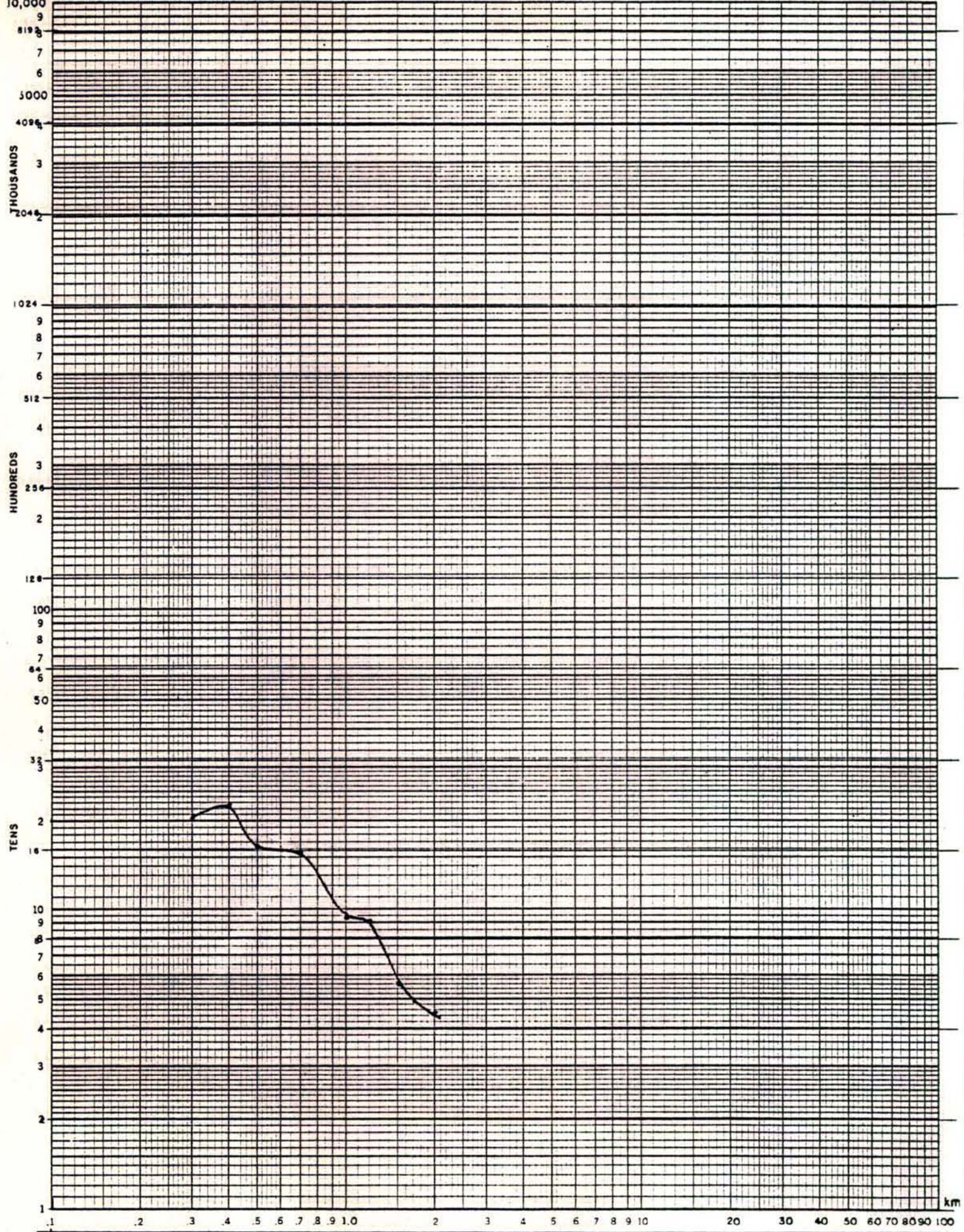
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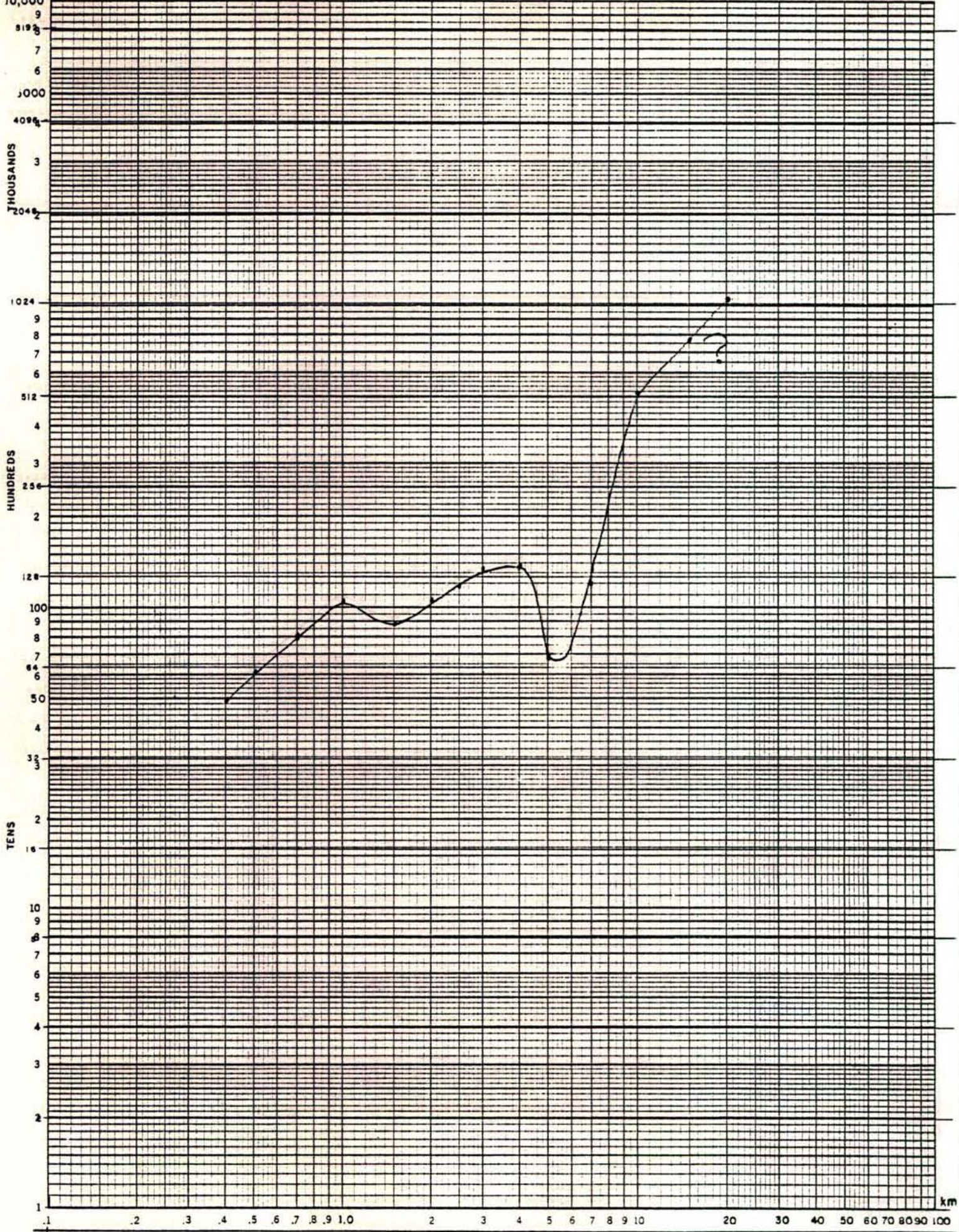


Proj. McCoy

Station All

$\Omega m$  Resistivity vs Depth

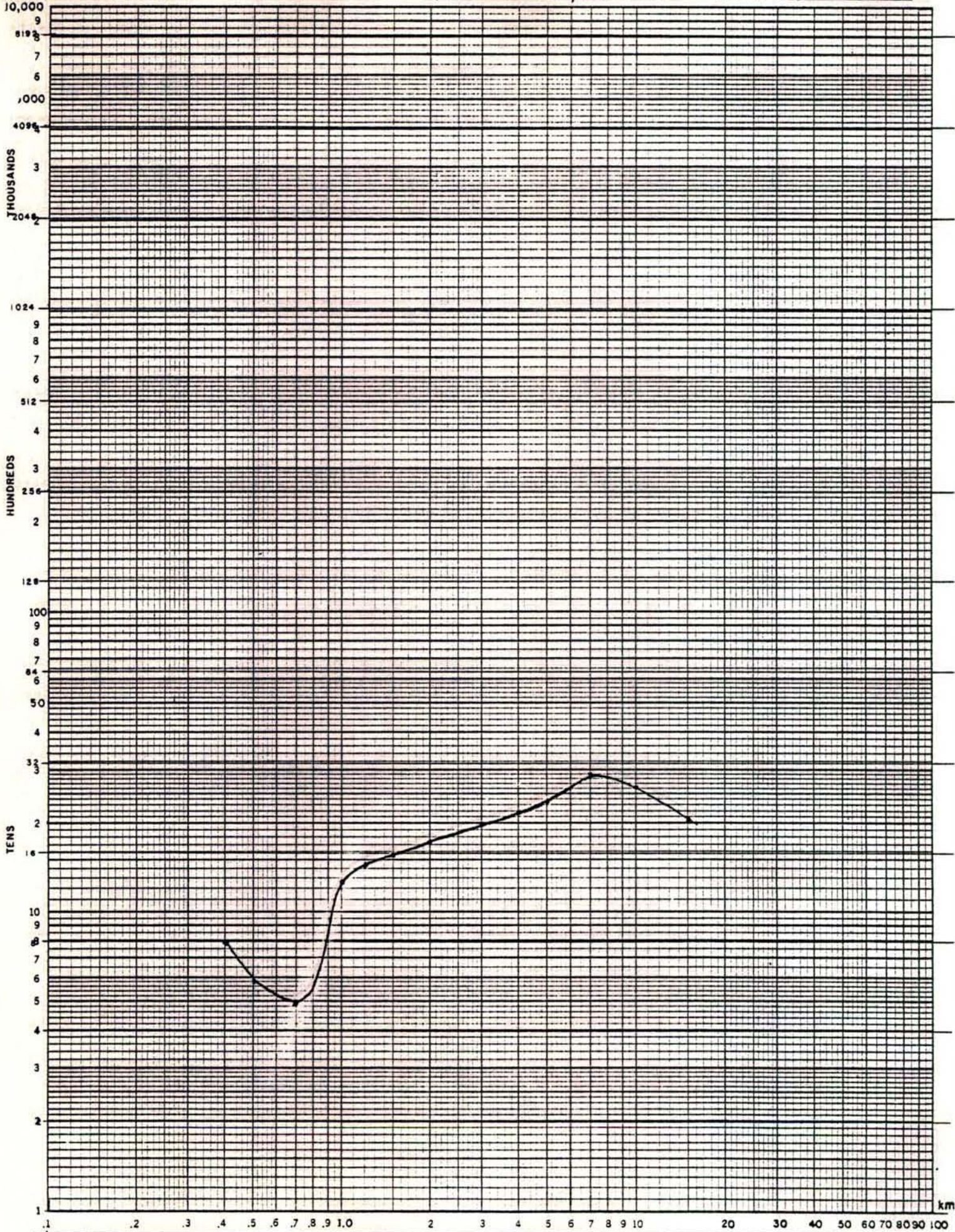




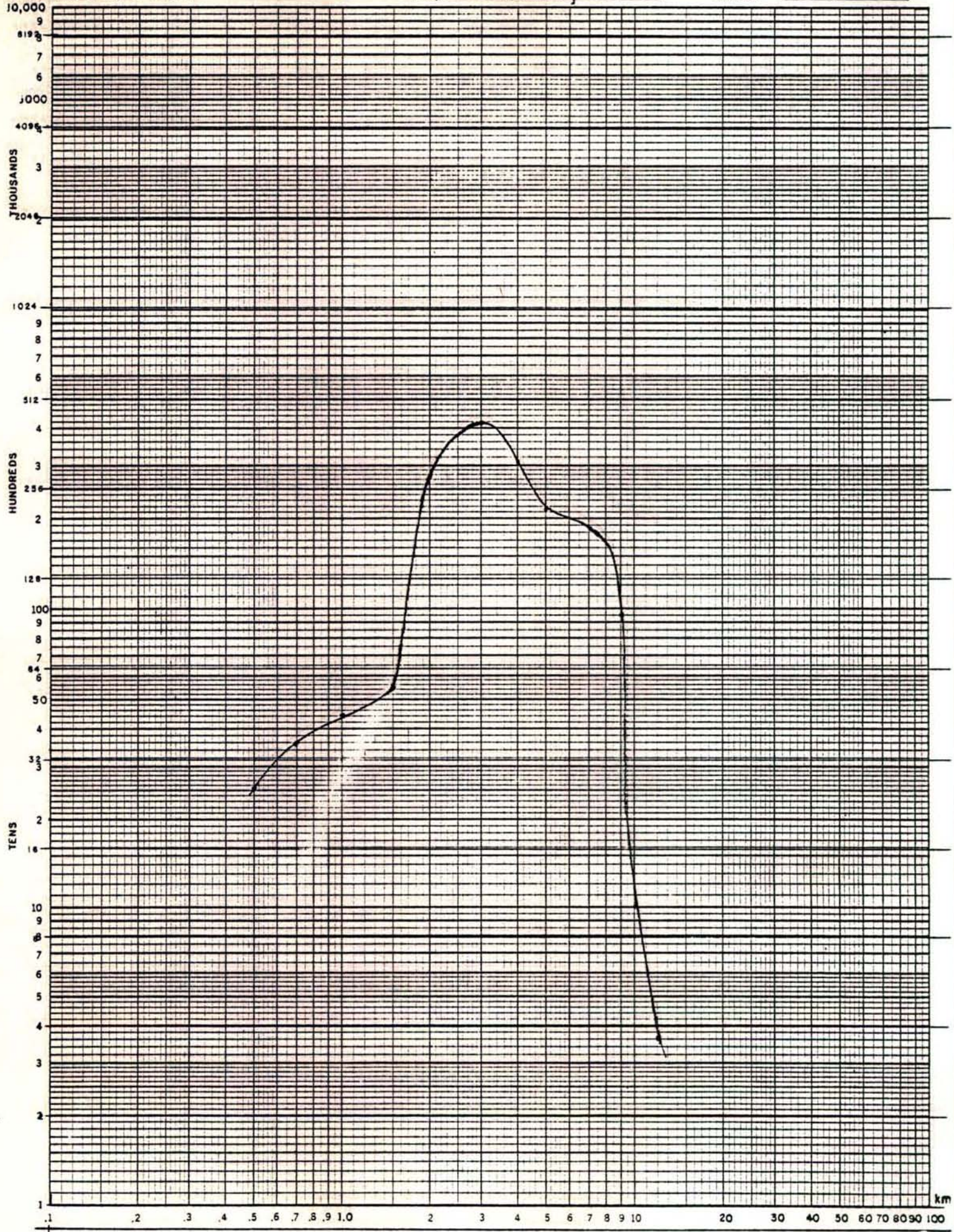
Resistivity vs Depth

Proj. MCCOY, NV

Station A12



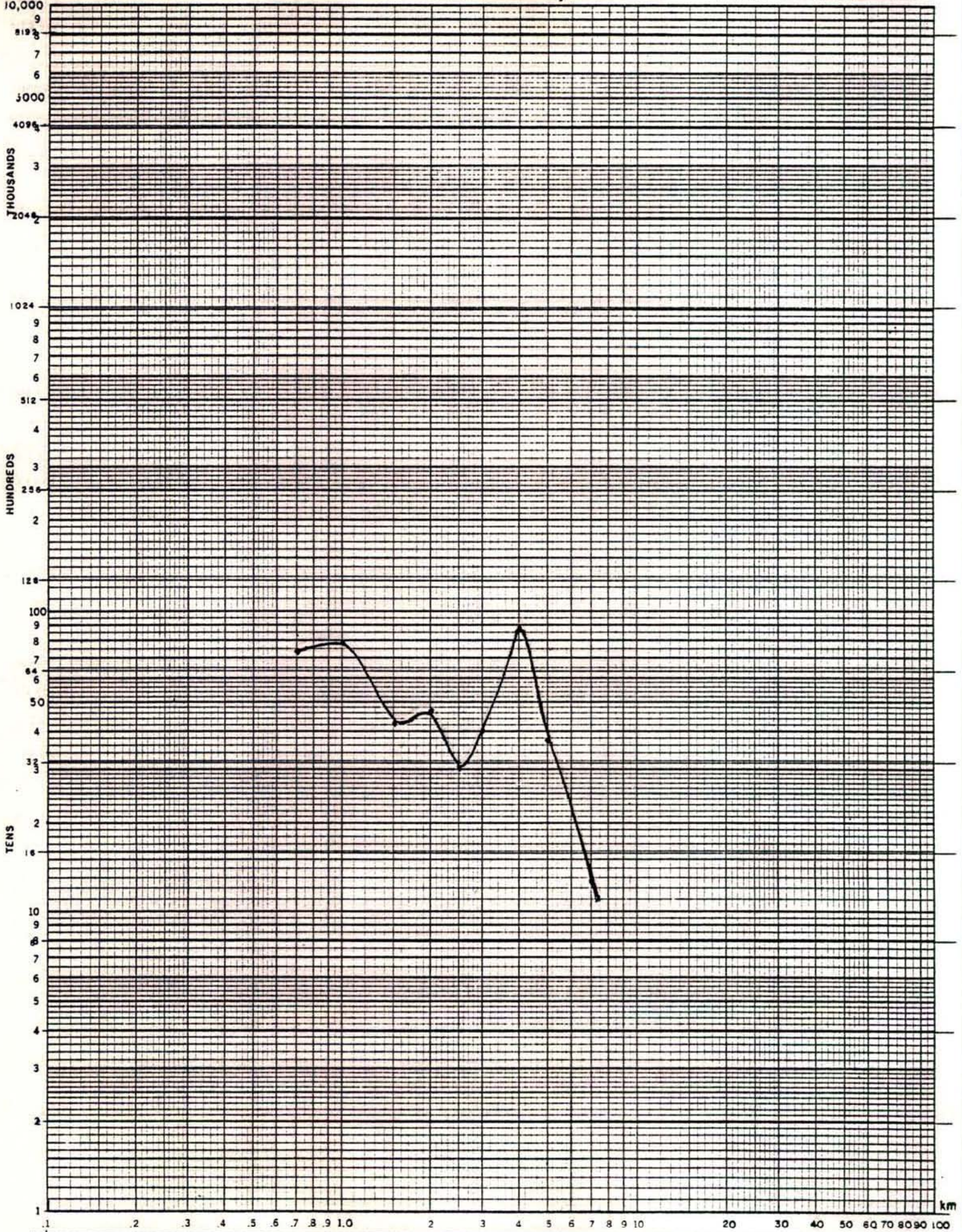




Resistivity vs Depth

Proj. McCoy, NV

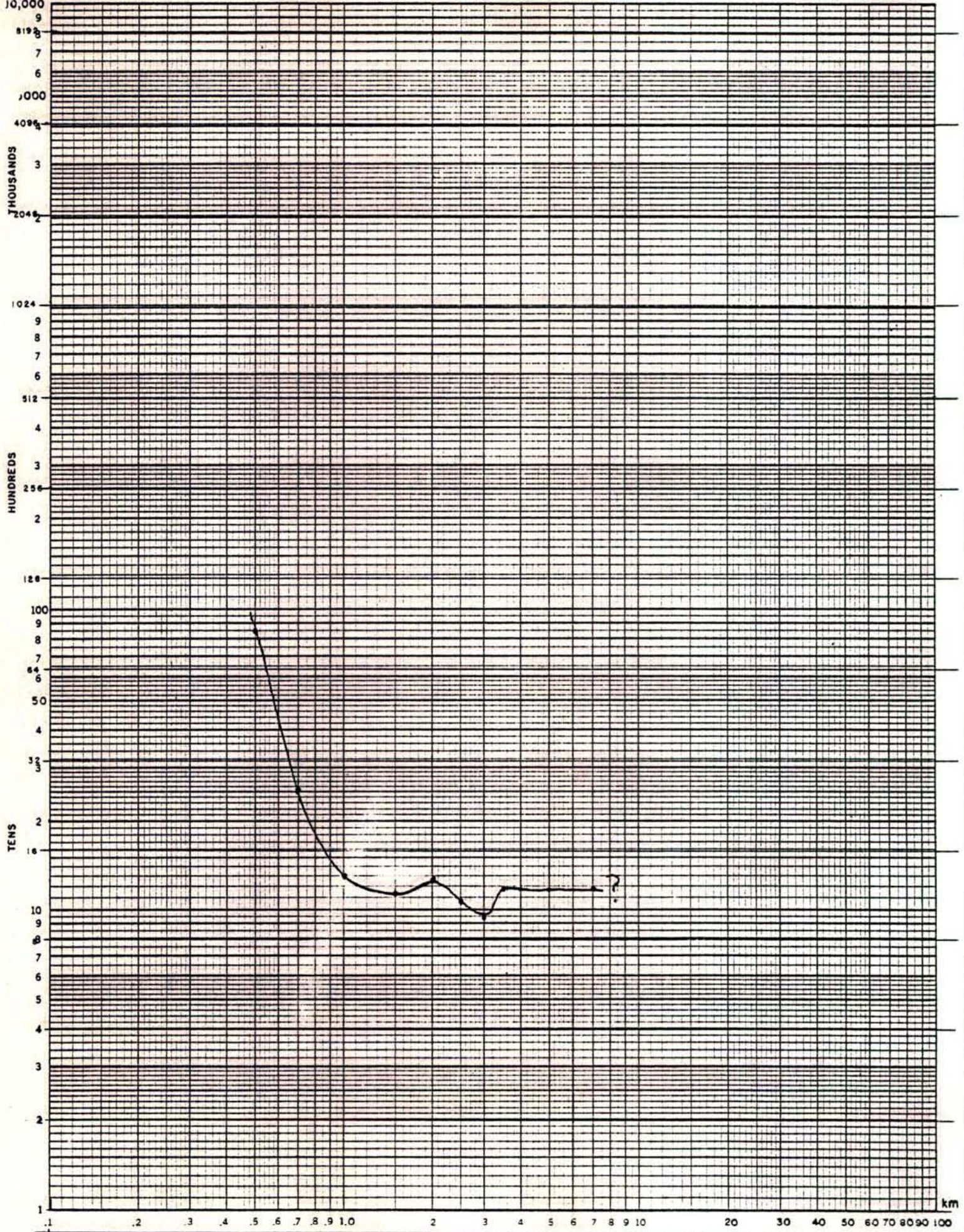
Station M13



Proj. McCoy, NV

Station A13

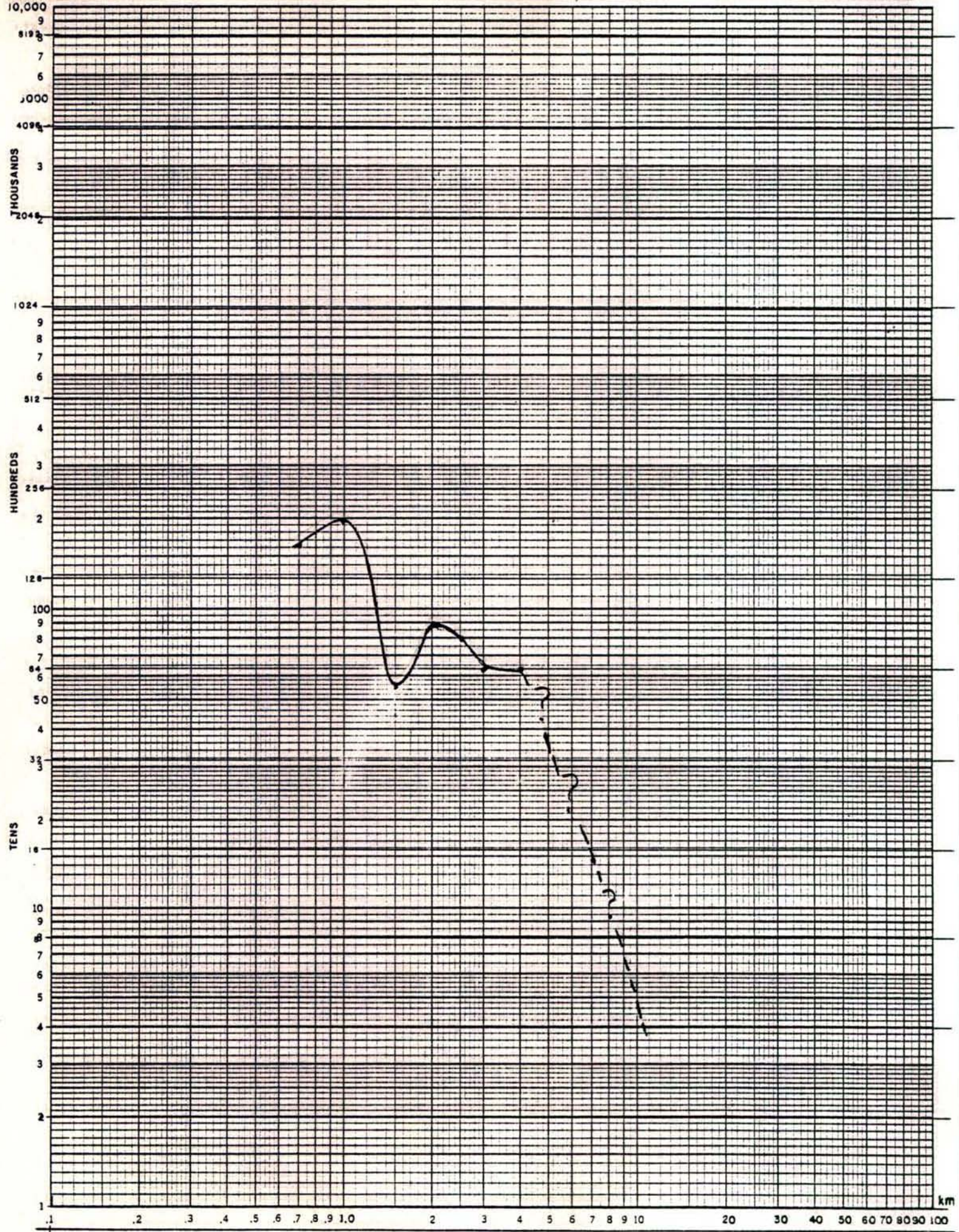
$\Omega m$  Resistivity vs Depth



$\Omega m$  Resistivity vs Depth

Proj. MCCOY, NV

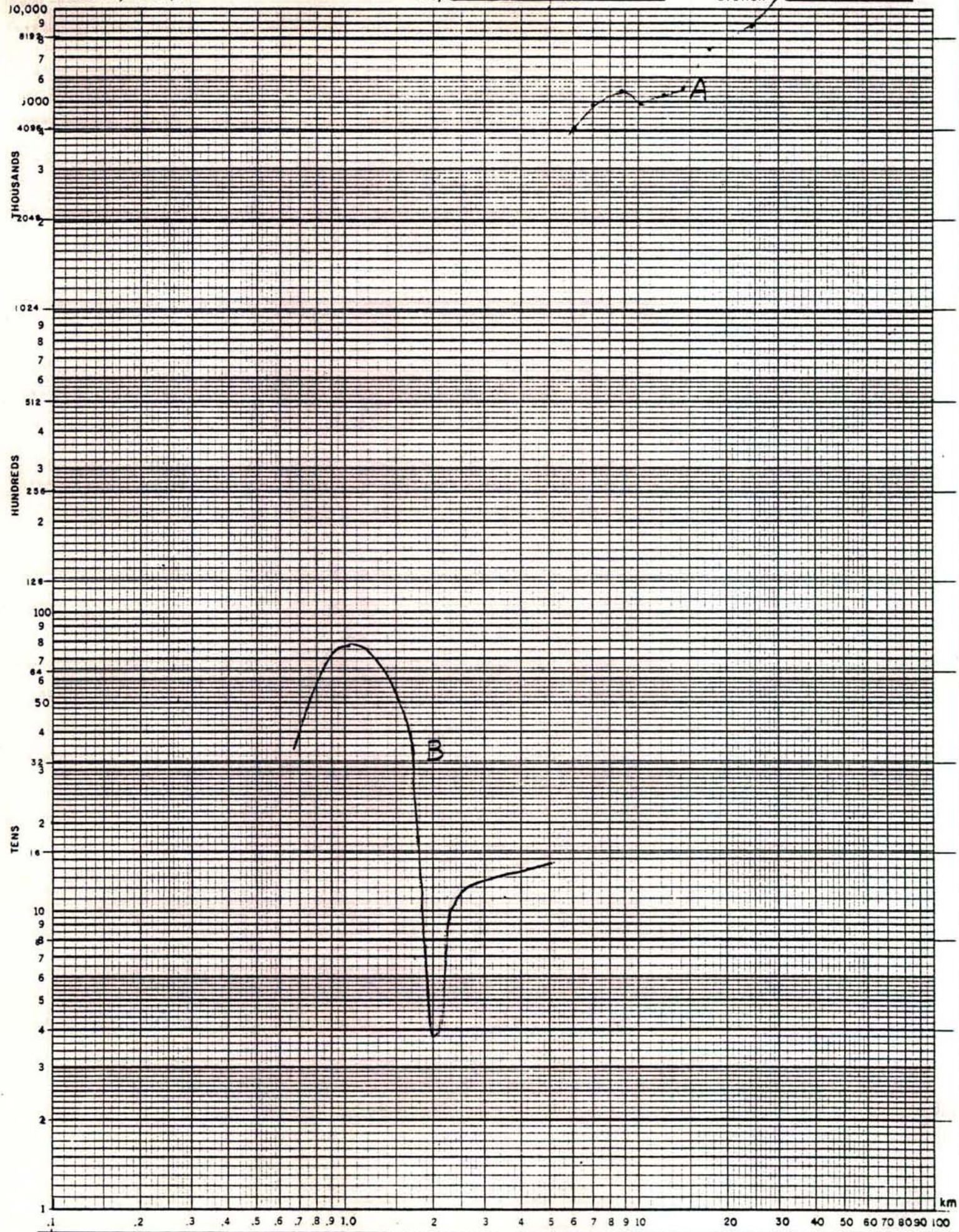
Station B13



Resistivity vs Depth

Proj. McCOY, NV

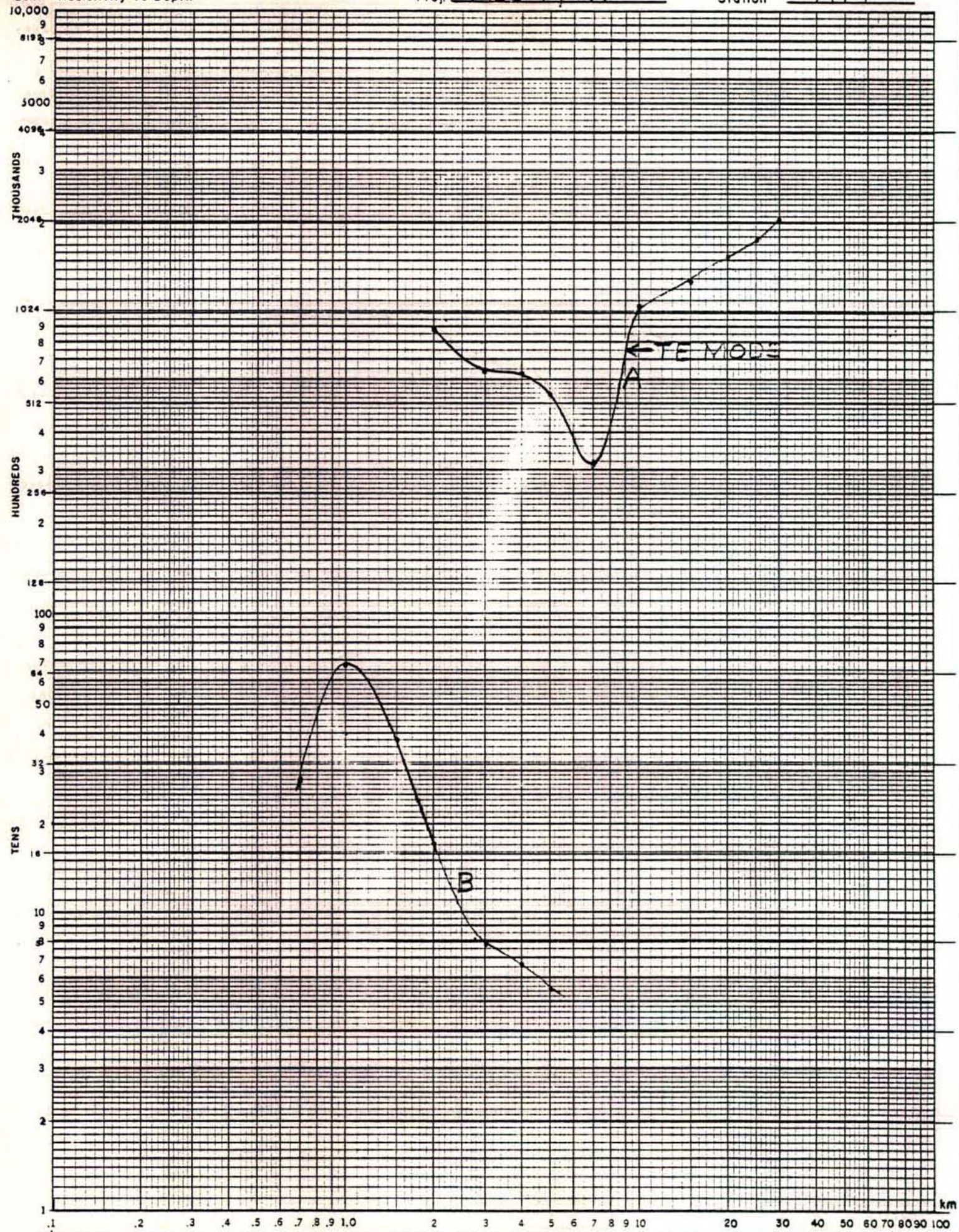
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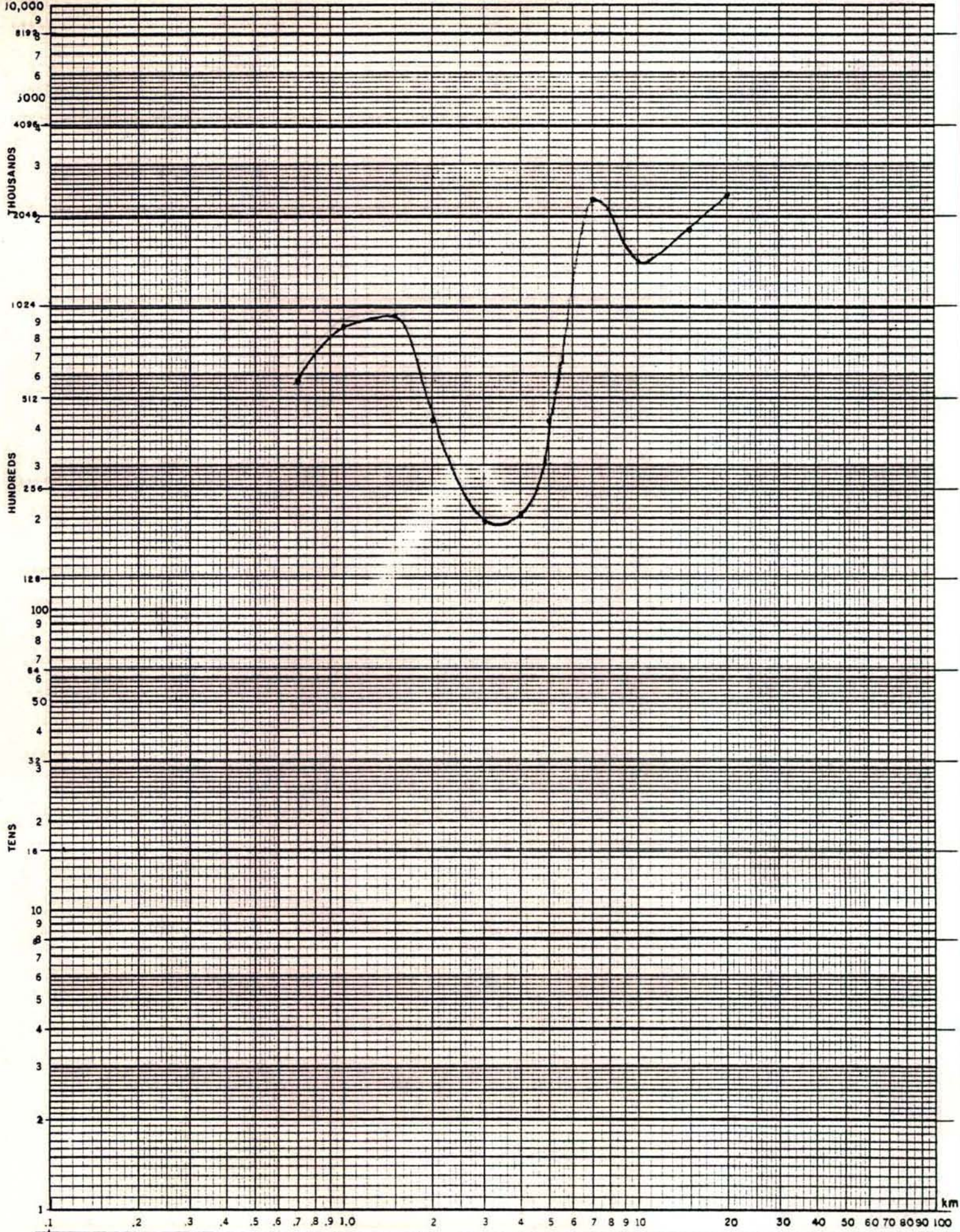


$\Omega m$  Resistivity vs Depth

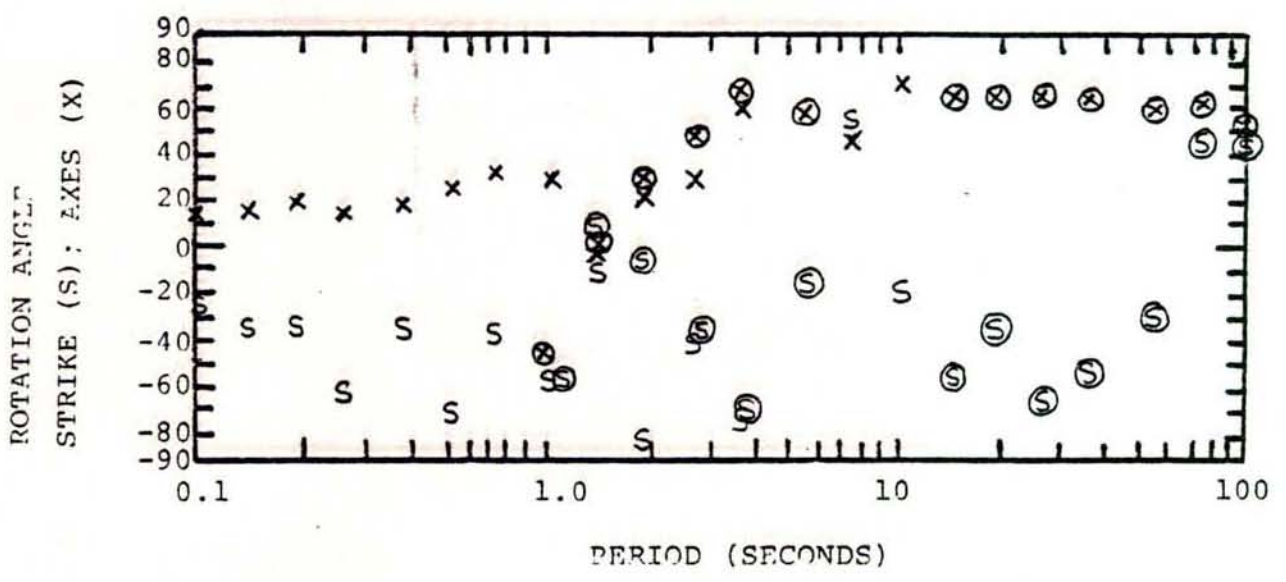
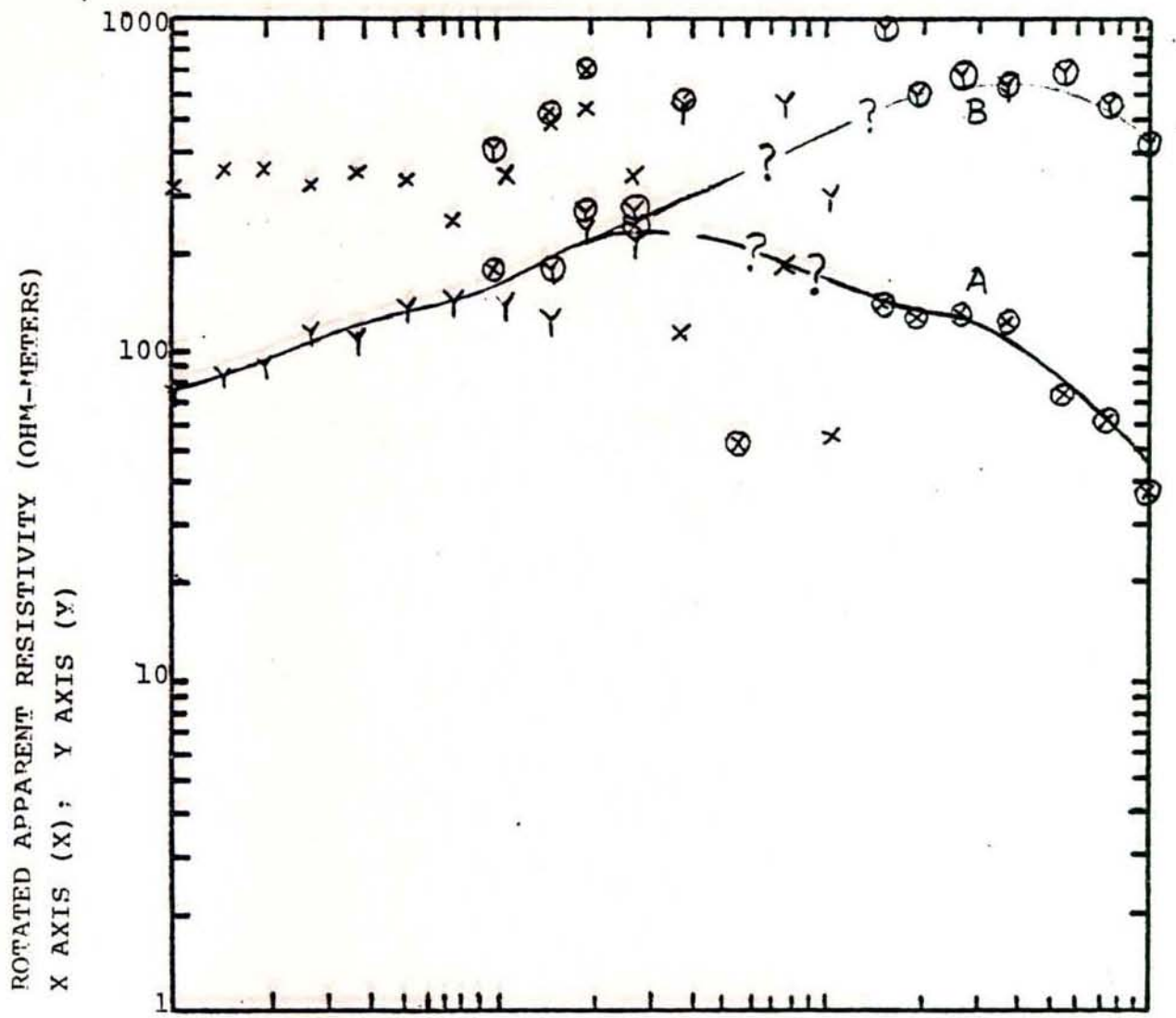
Proj: MCCOY, NV

Station A14



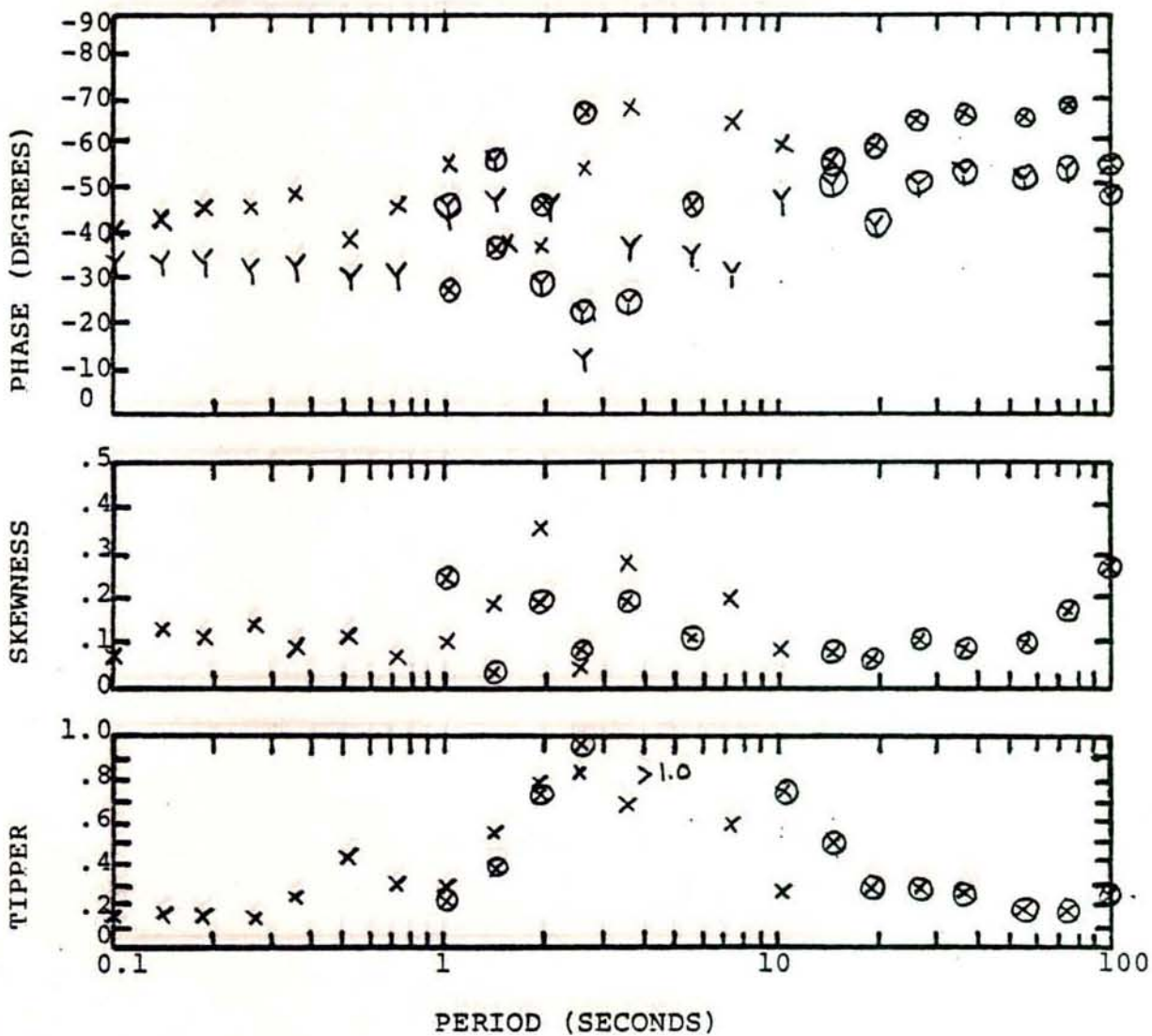


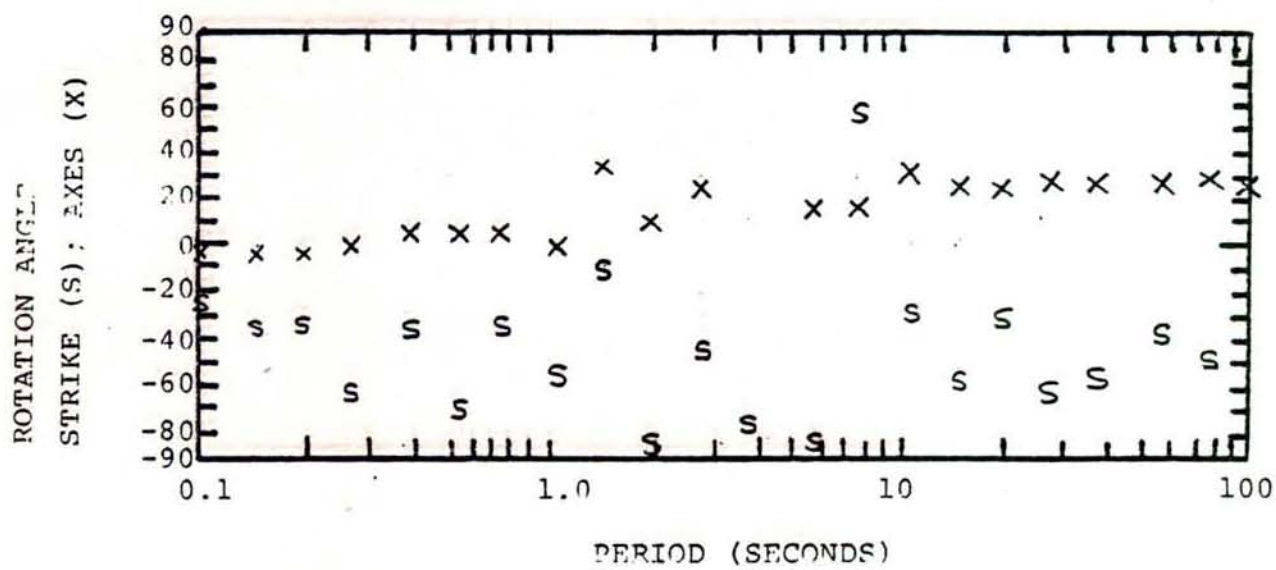
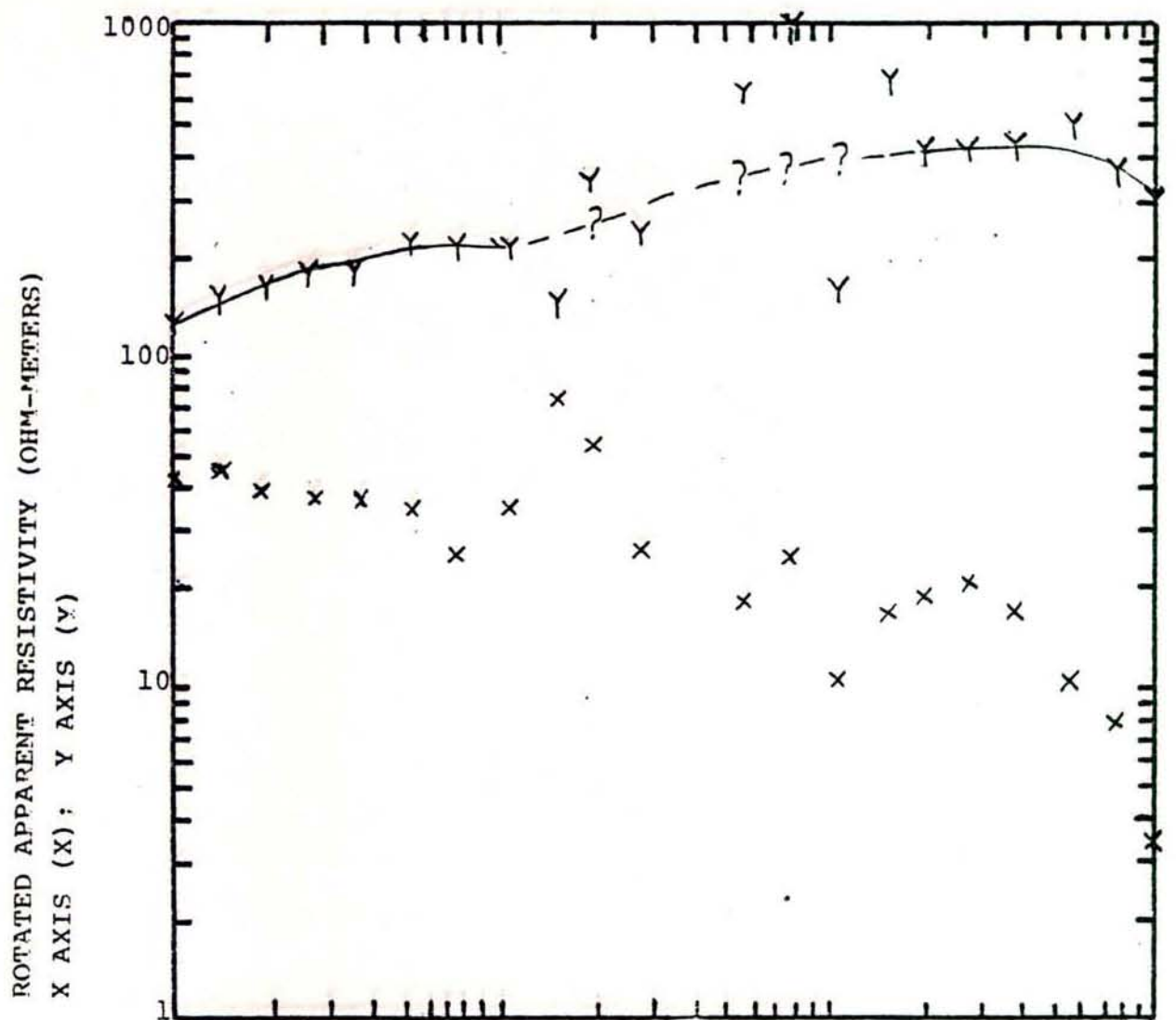
PROSPECT McCOY, NEVADA  
STATION MI





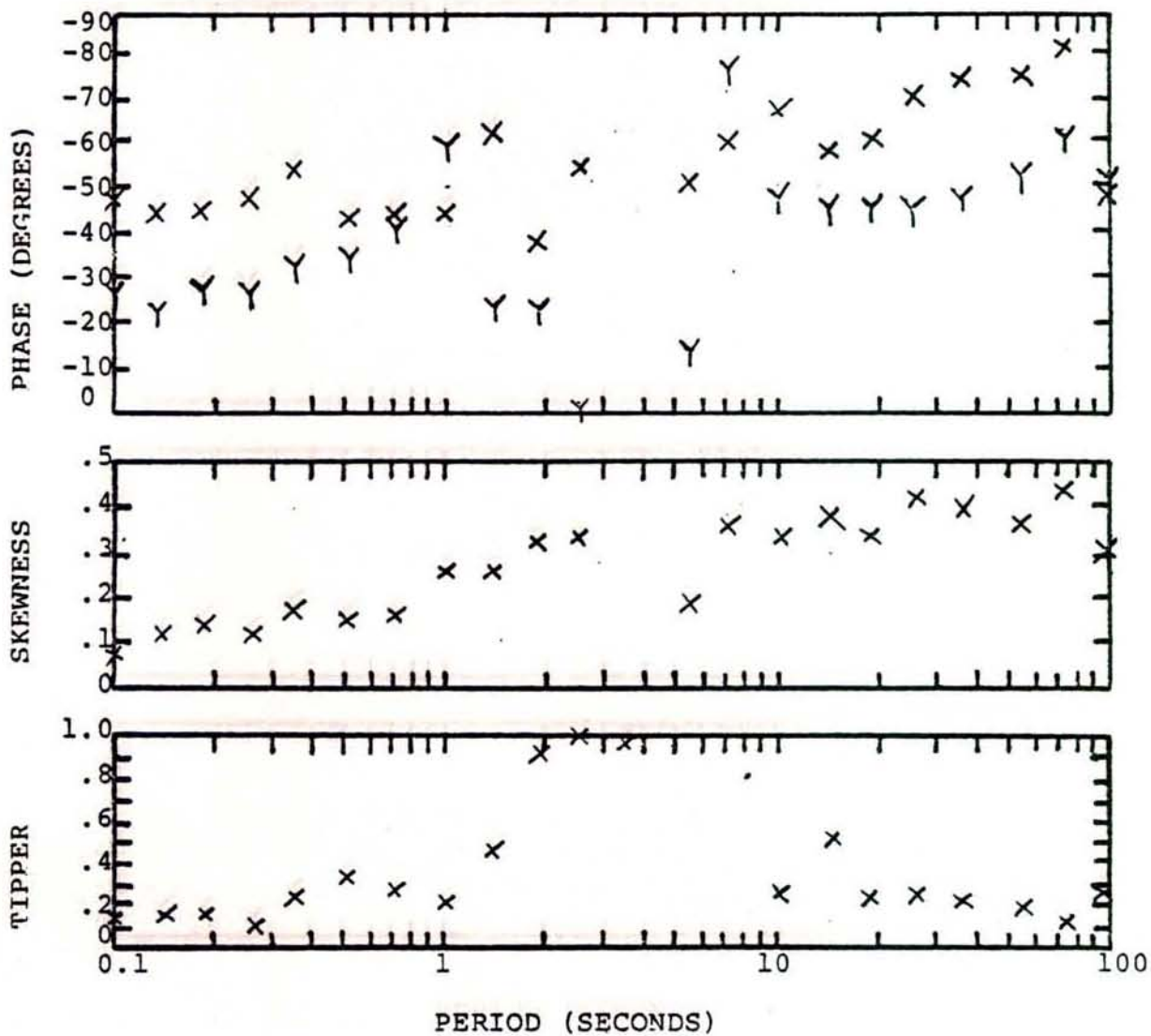
McCOY, NEVADA

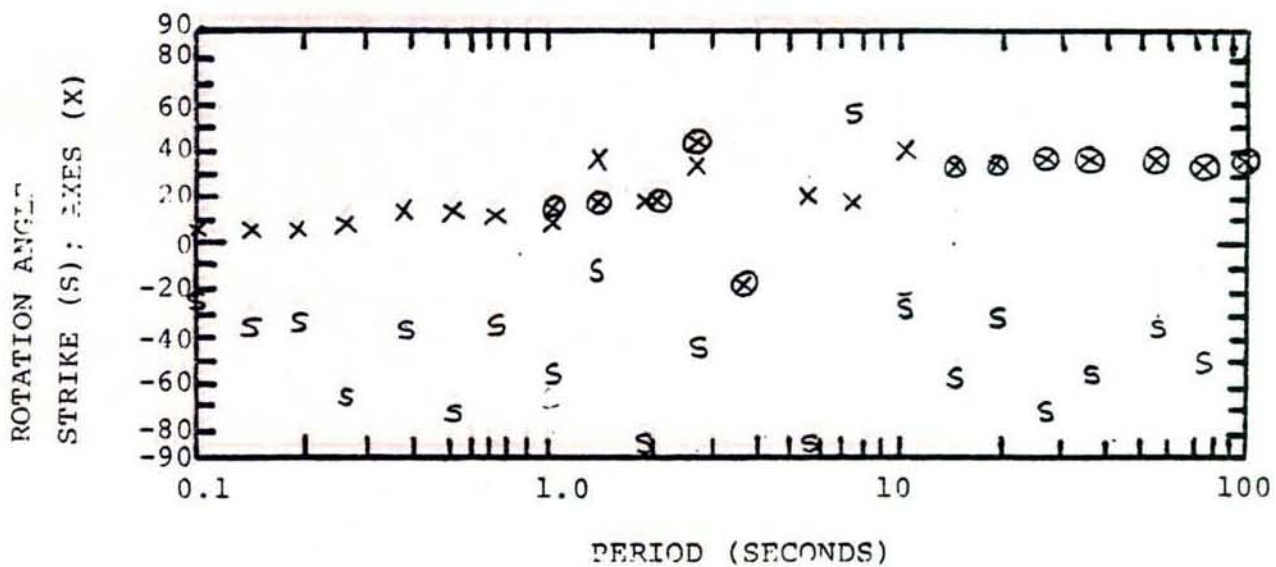
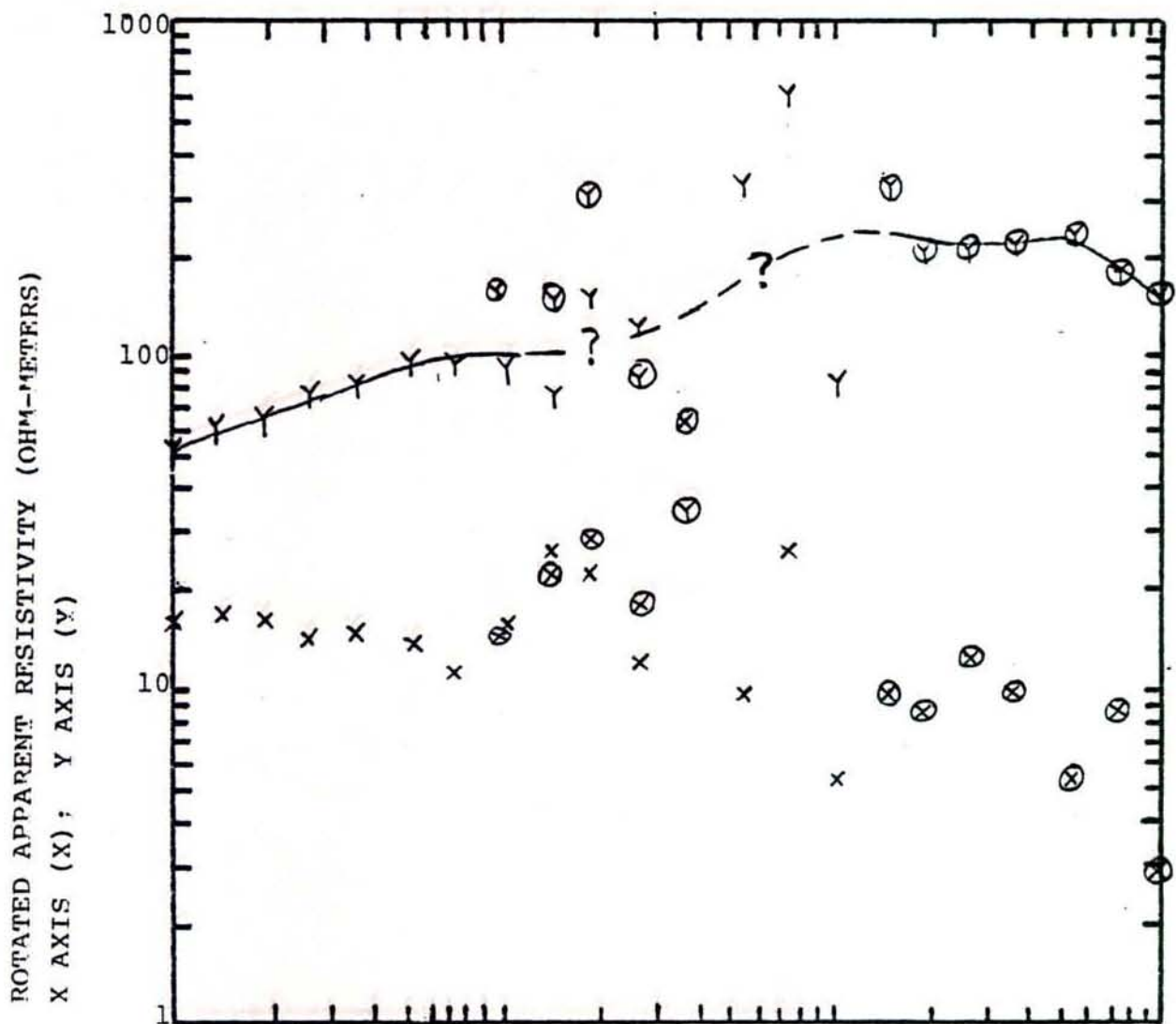
STATION M1

PROSPECT McCOY, NEVADASTATION A1

PERIOD (SECONDS)

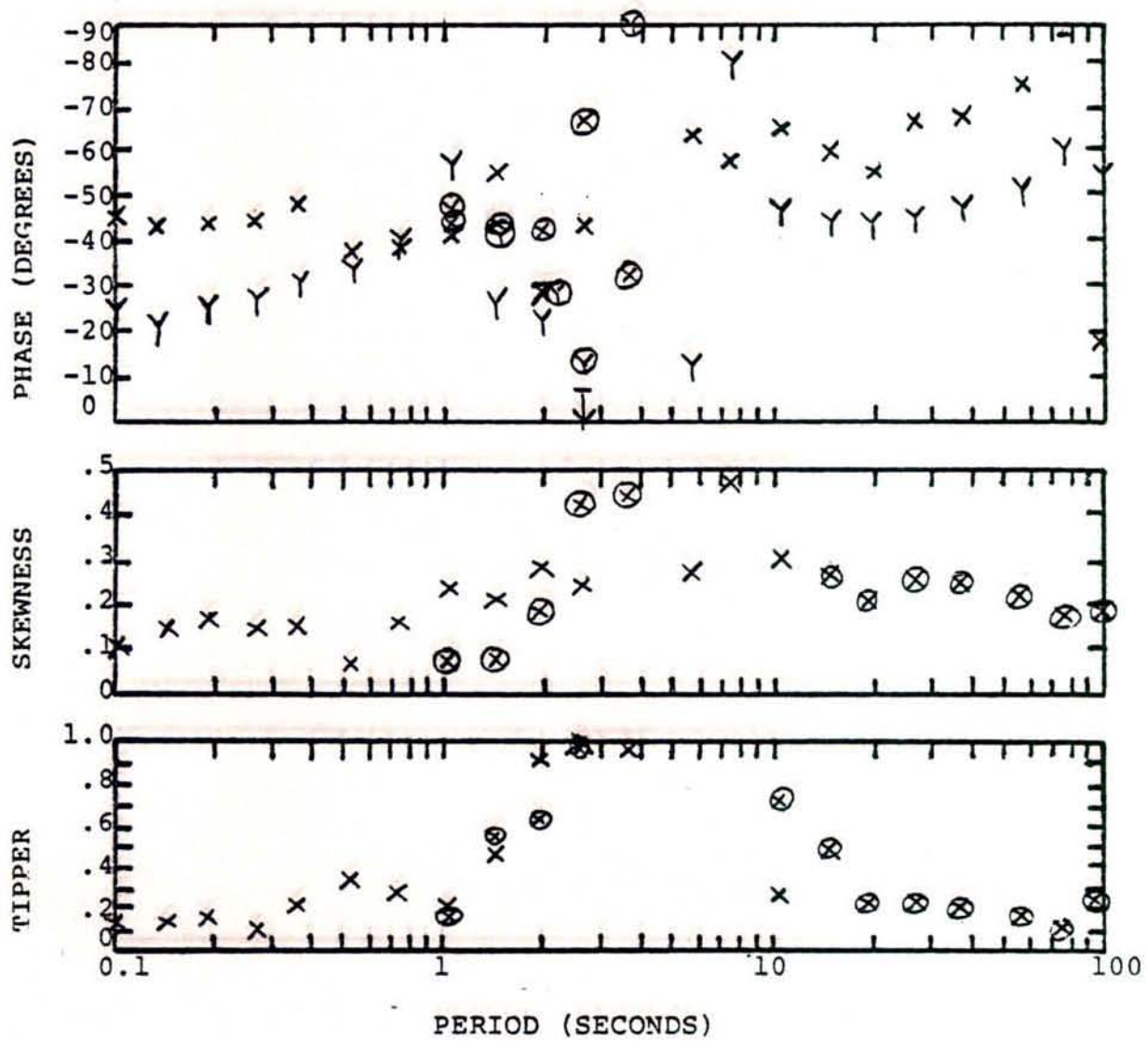
McCOY, NEVADA

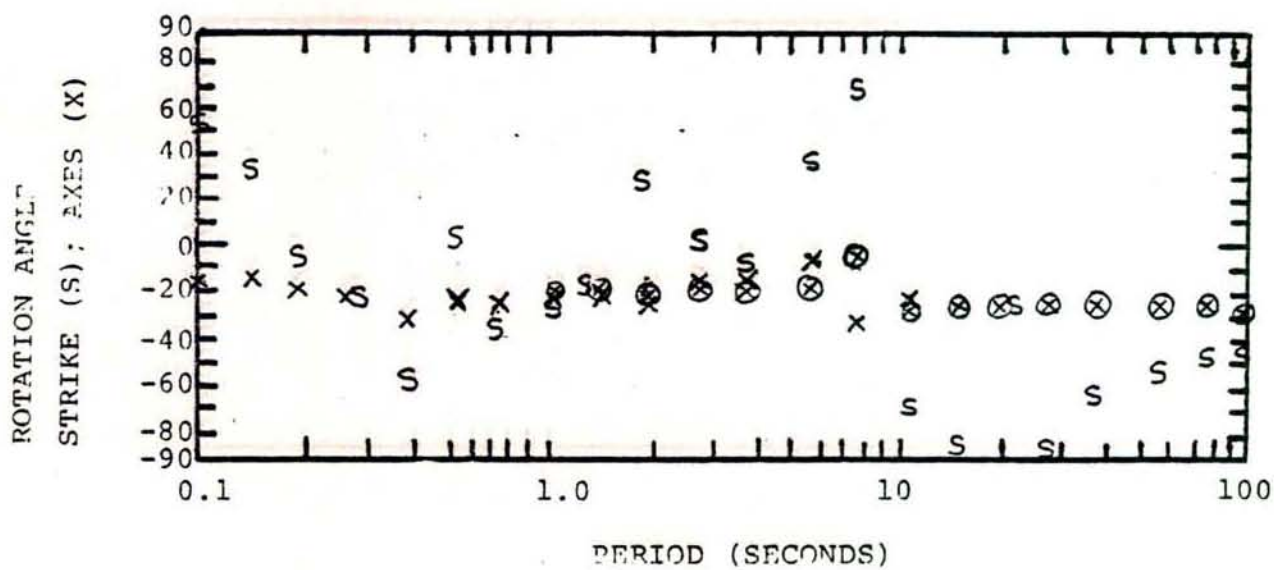
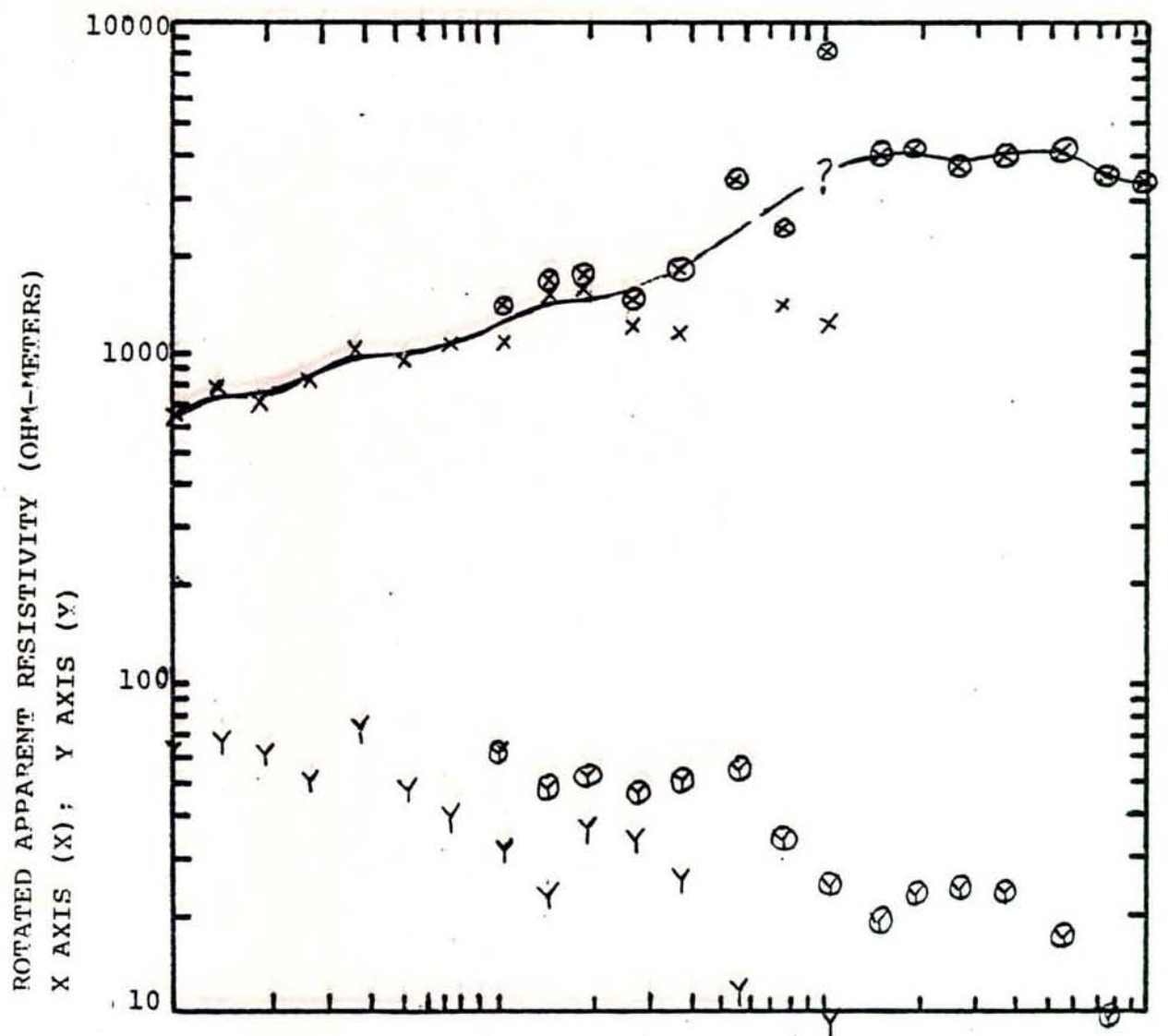
STATION AI



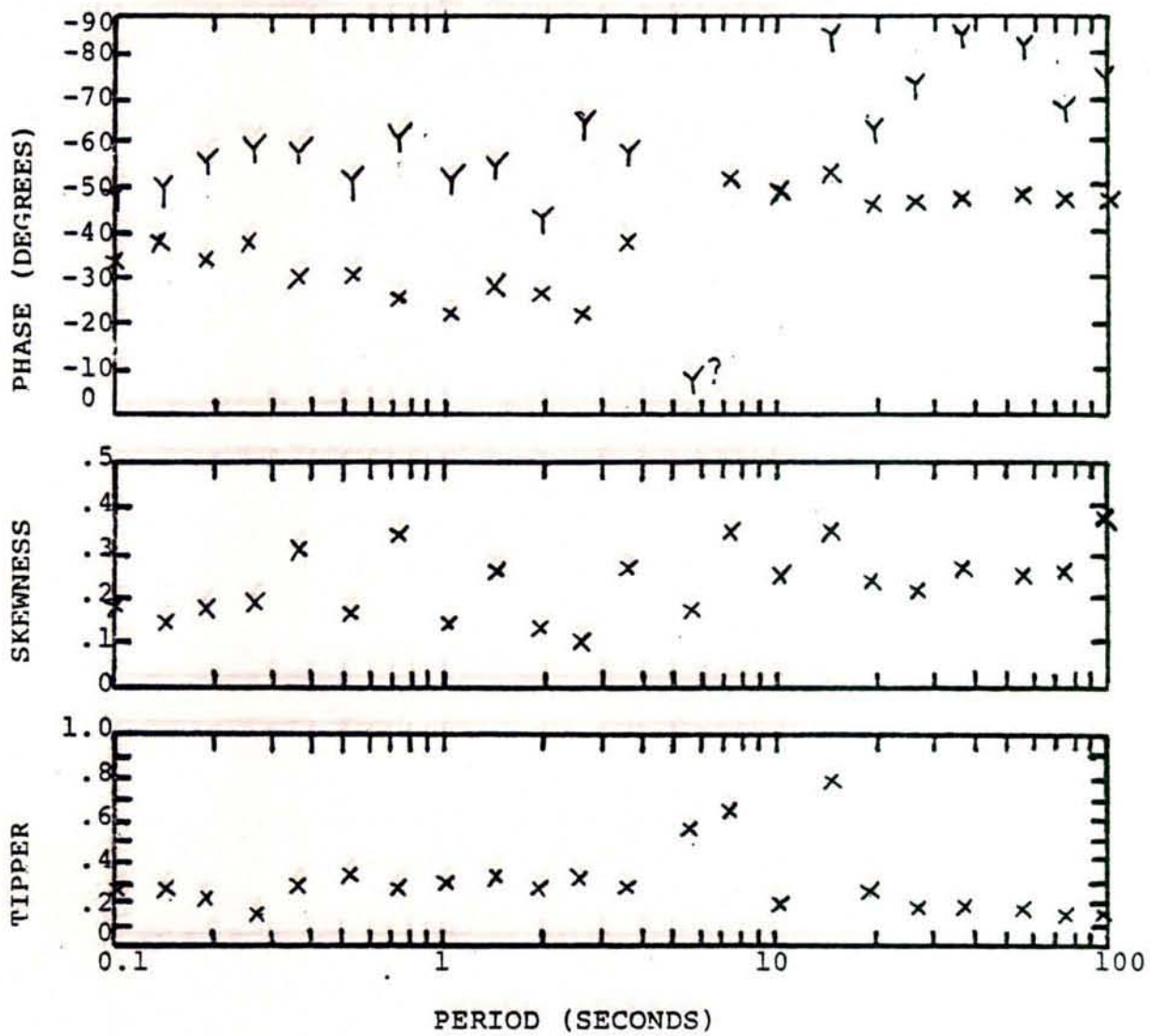
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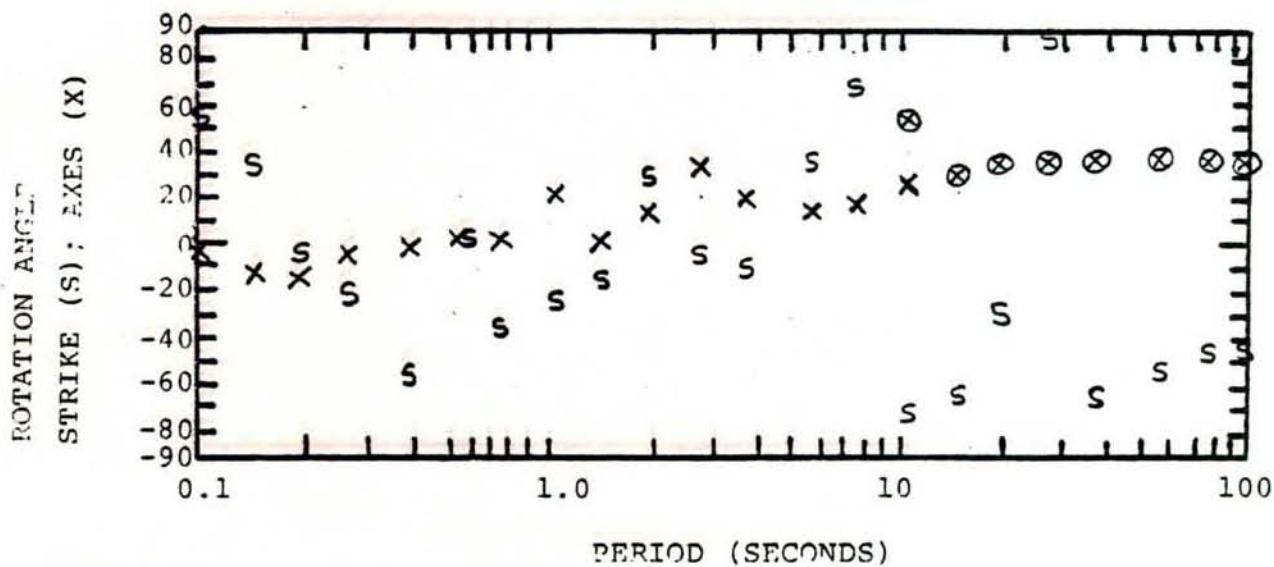
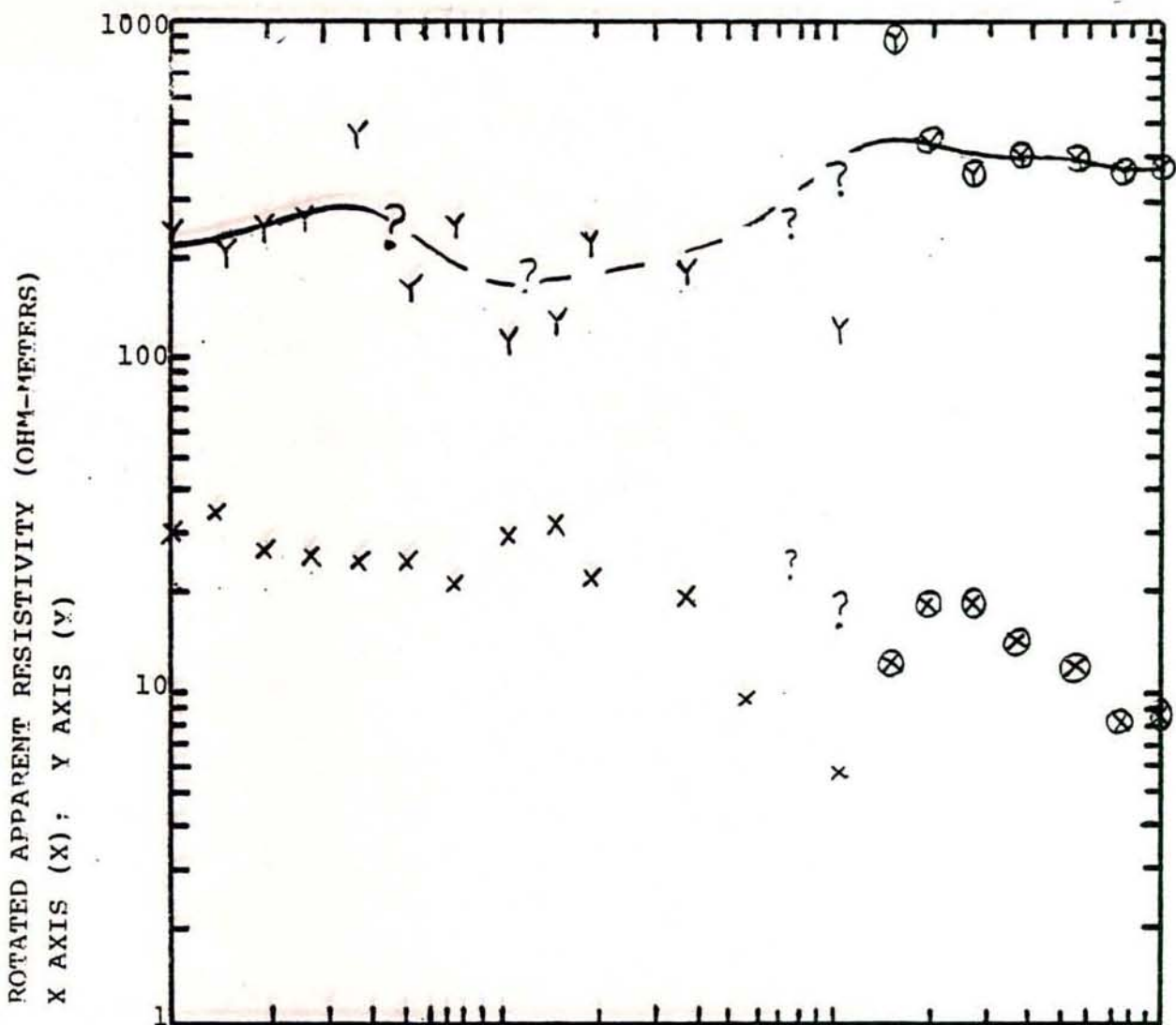
MCCOY, NEVADA

STATION B1



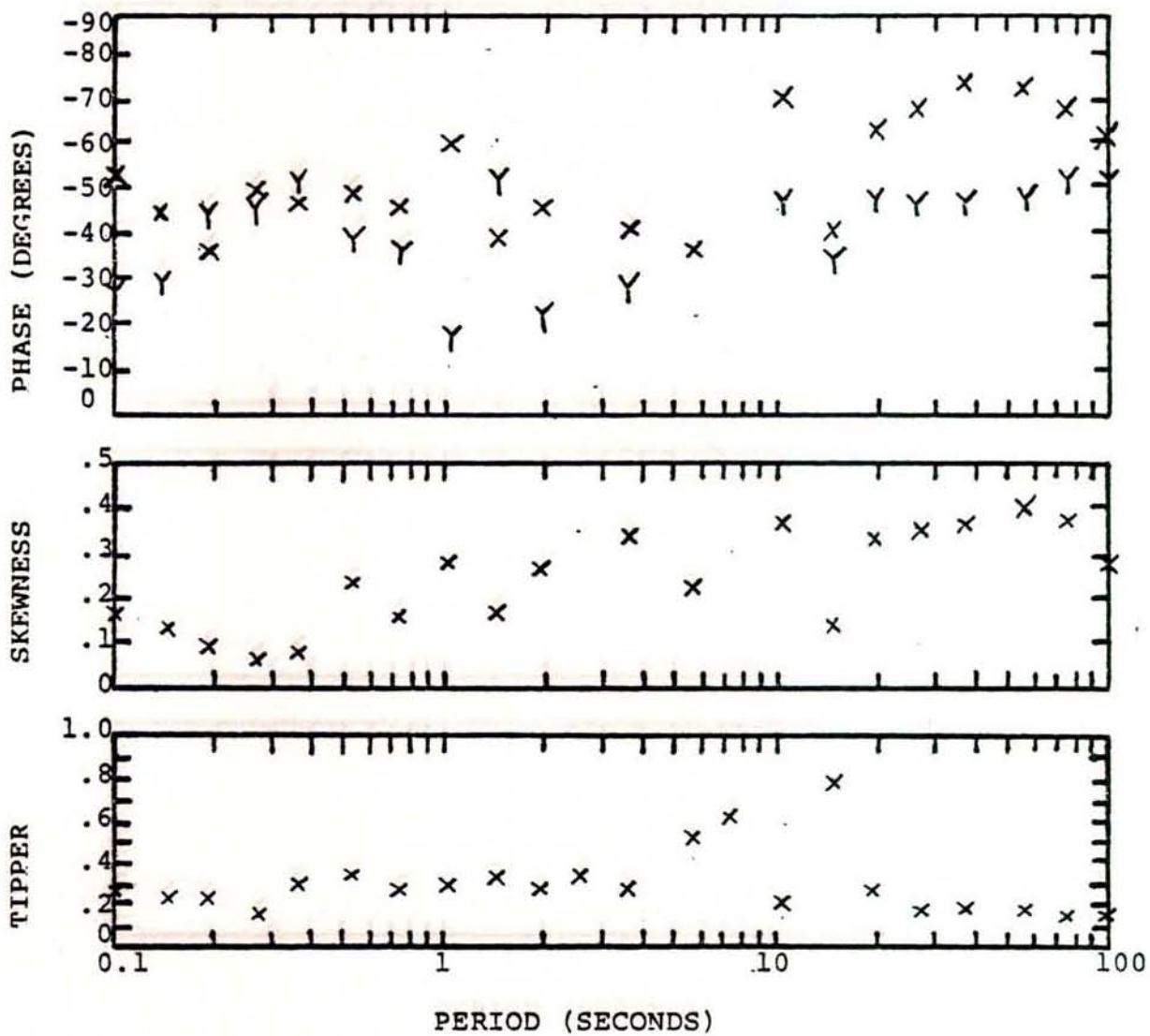
McCOY, NEVADA

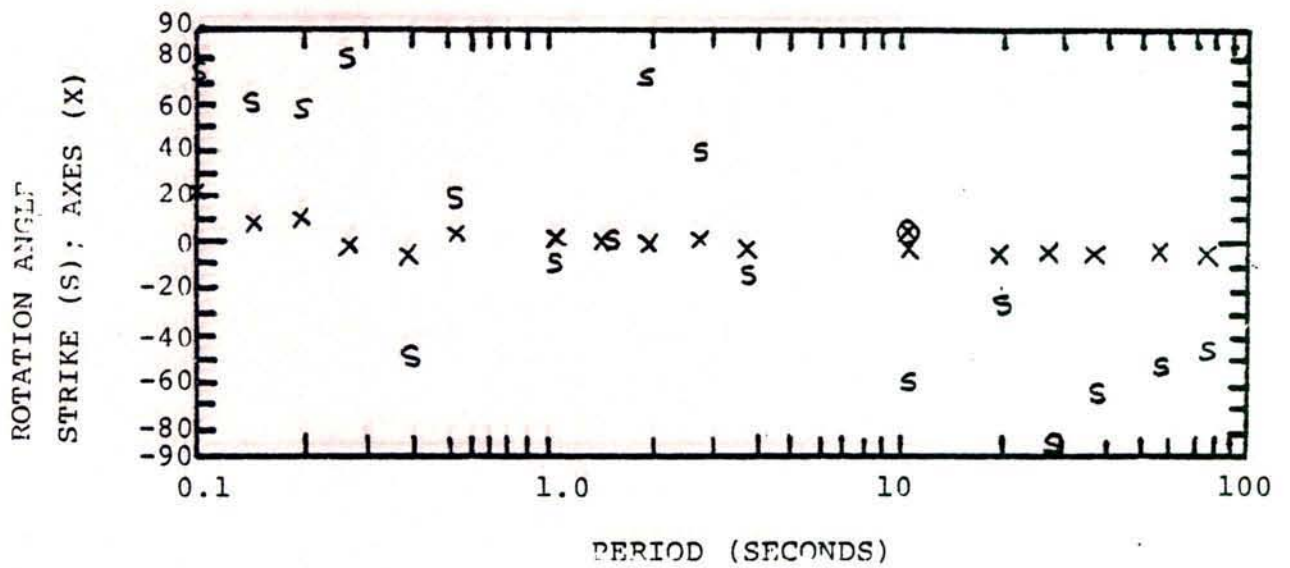
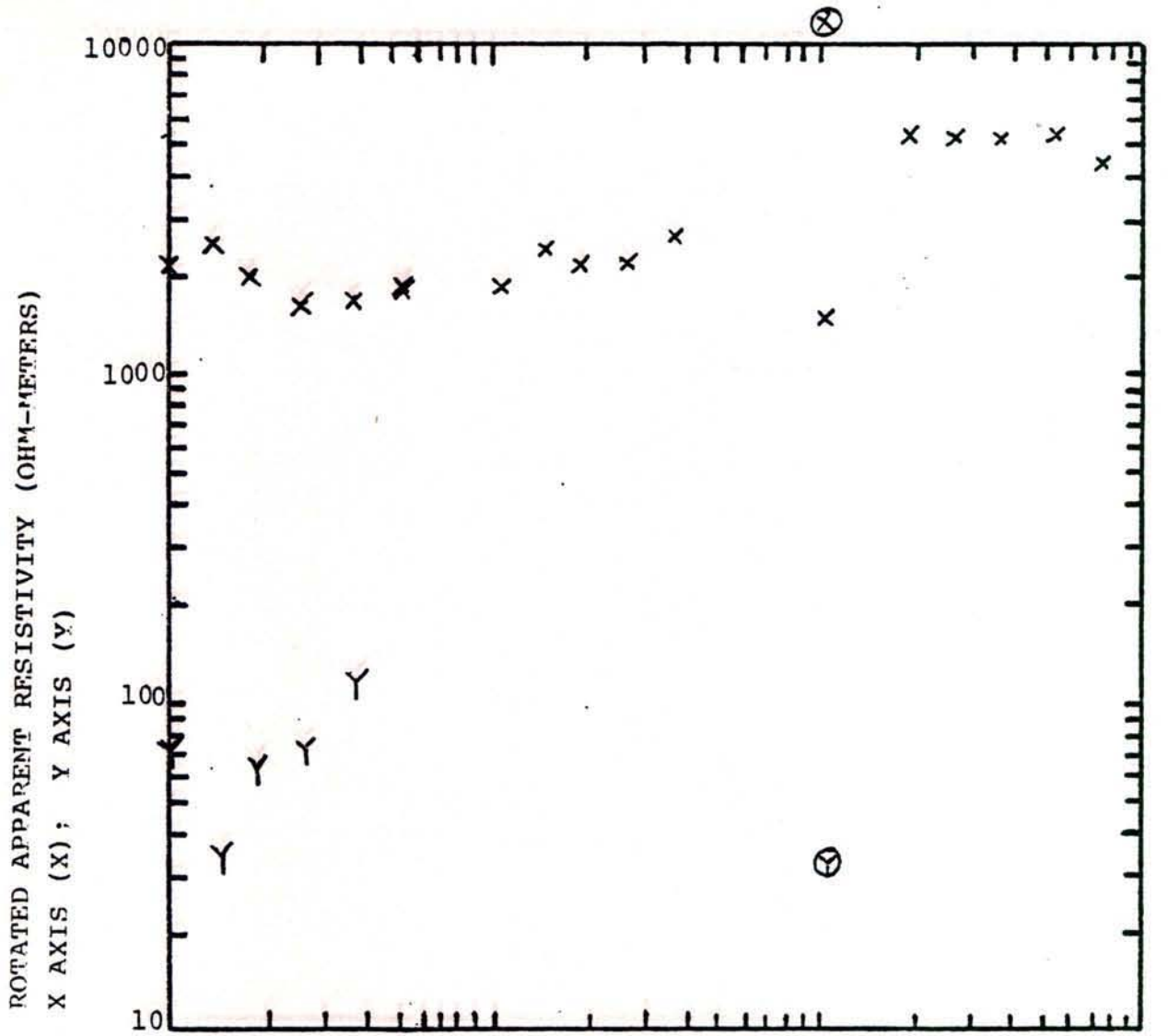
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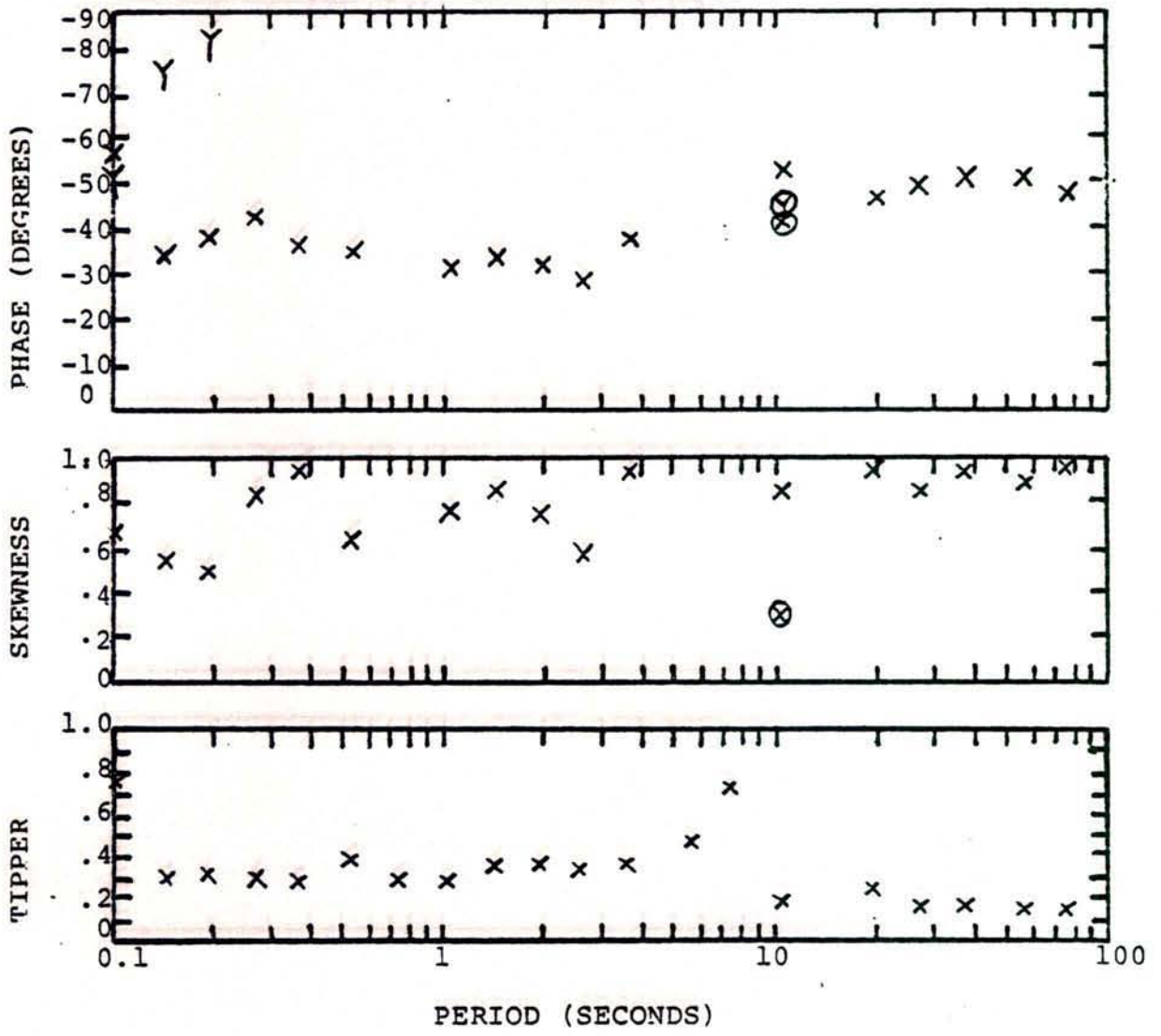
McCOY, NEVADA

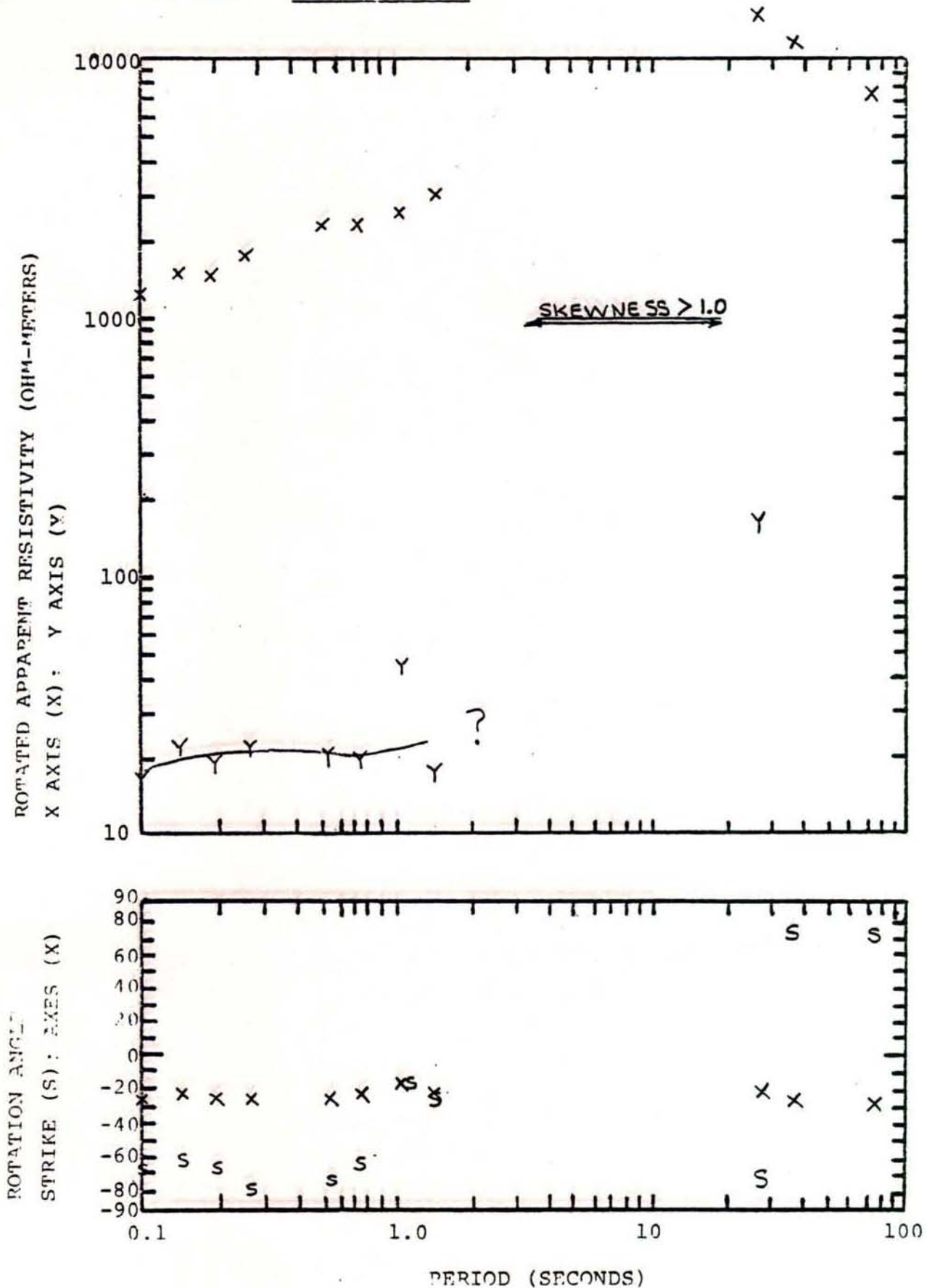
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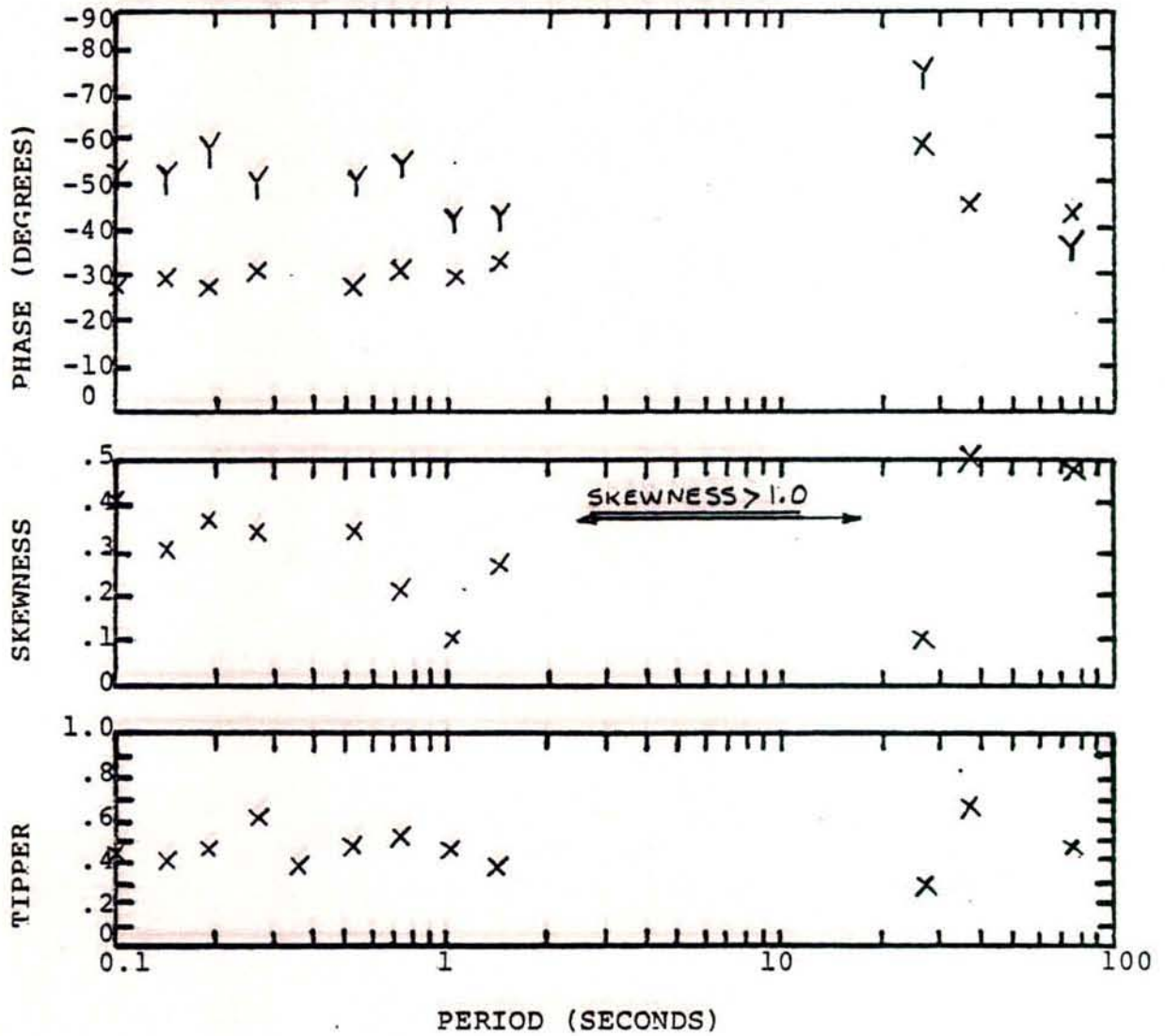
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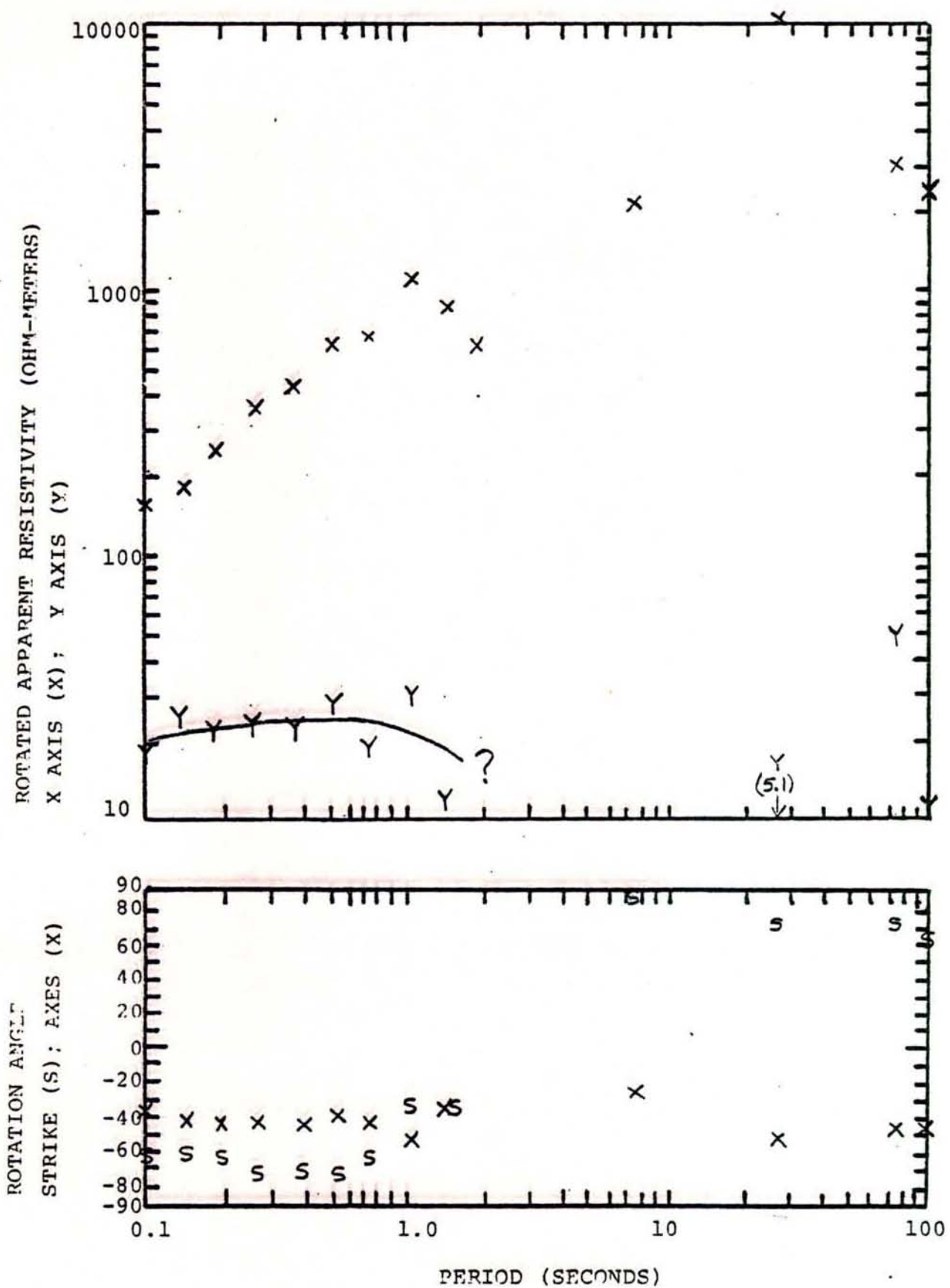
McCOY, NEVADA  
STATION B2



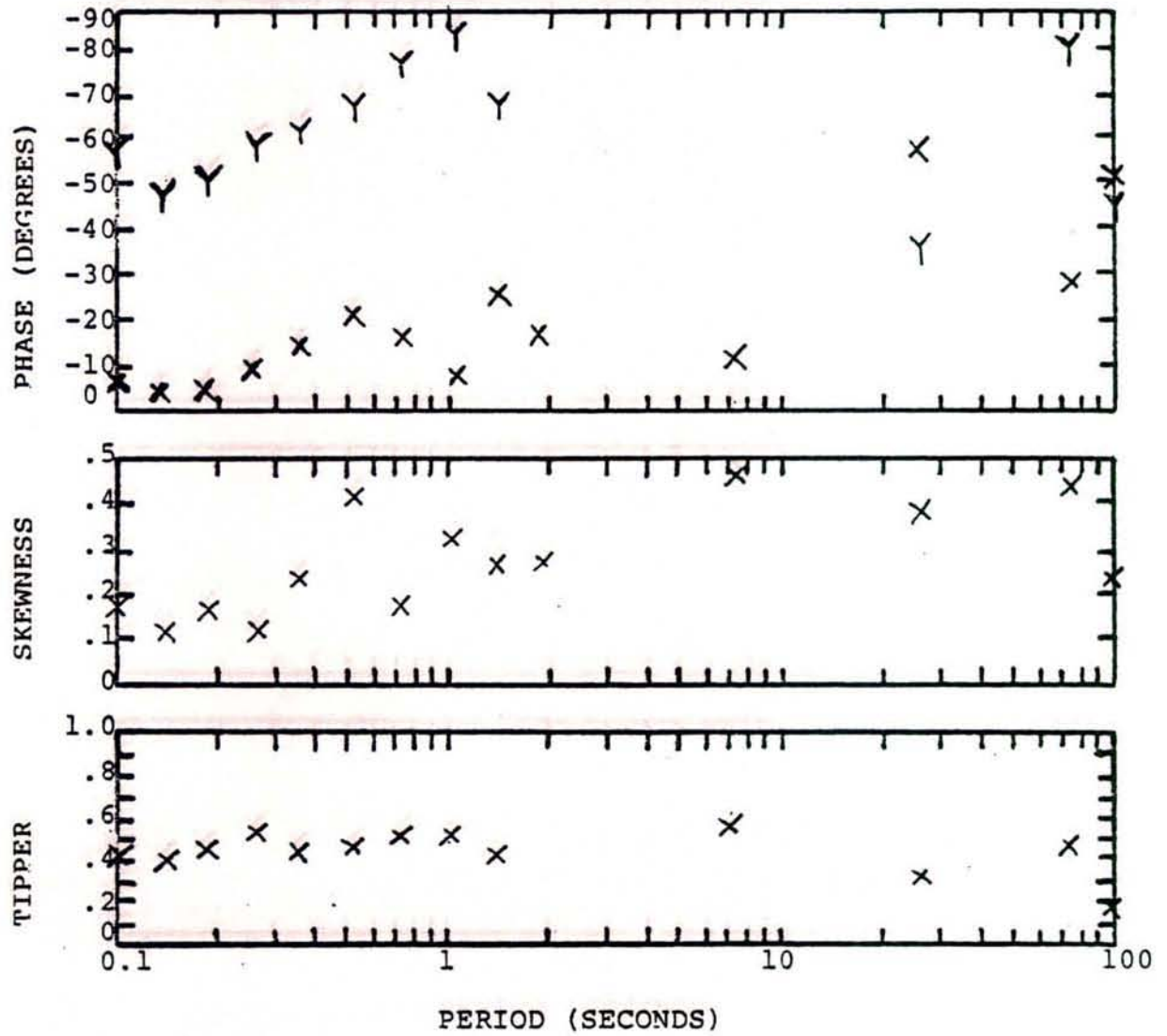


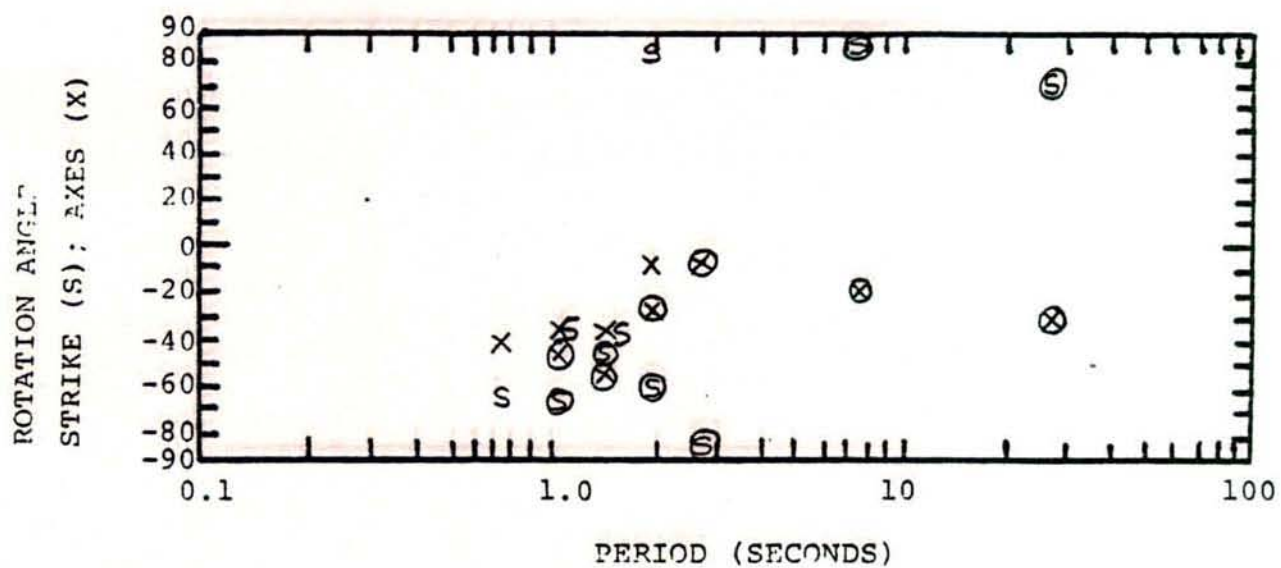
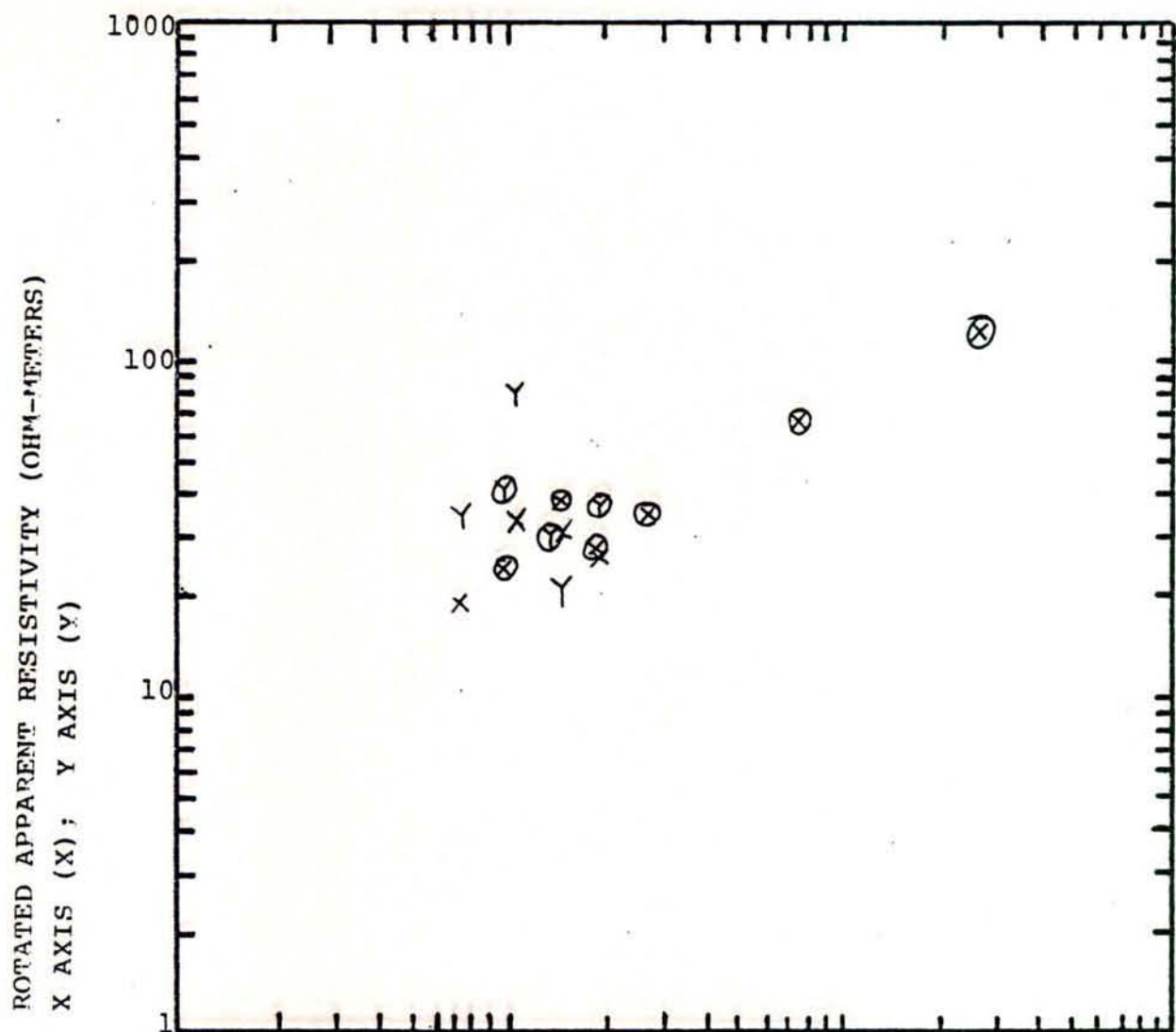
MCCOY, NEVADA

STATION M 3



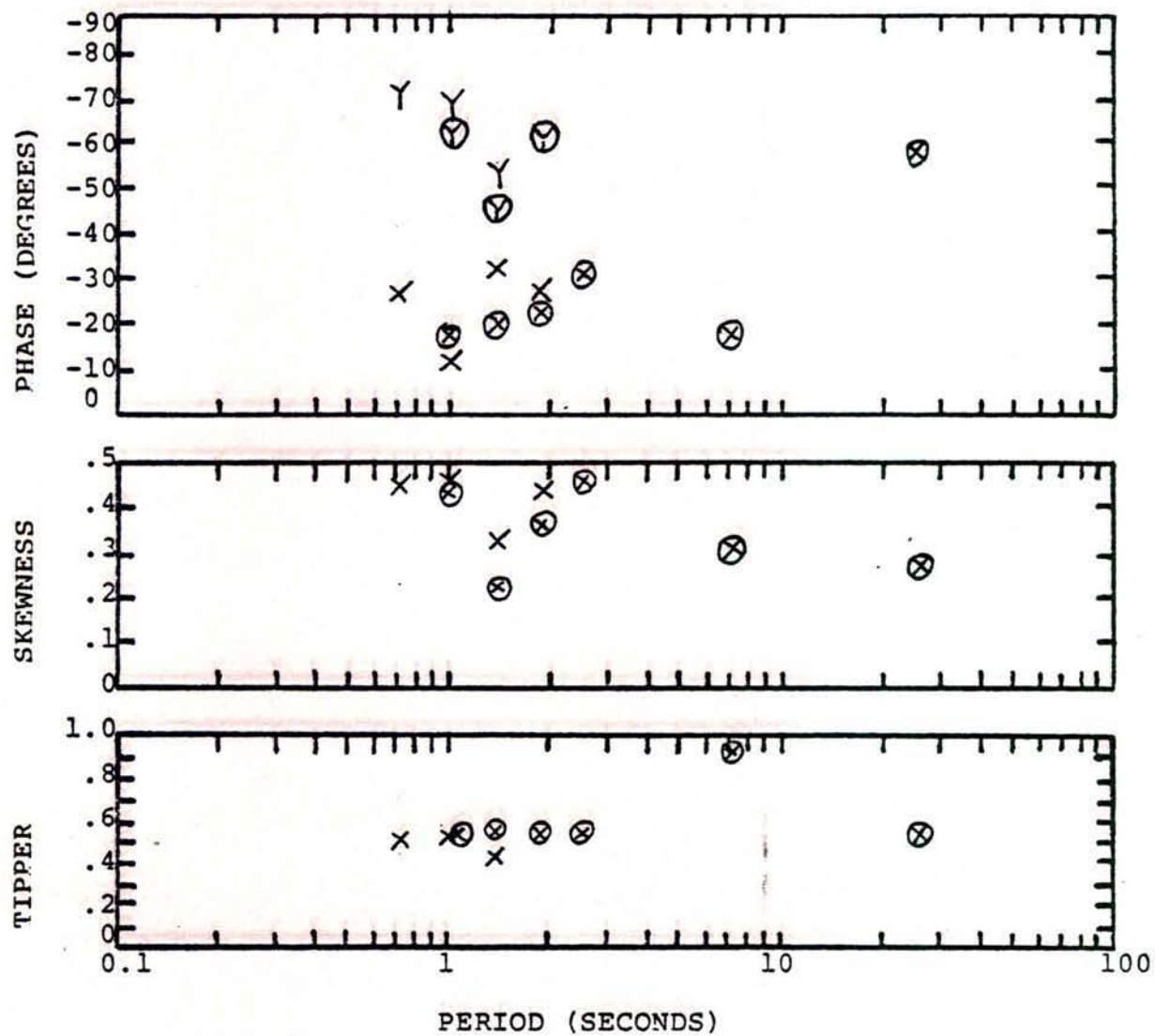
MCCOY, NEVADA

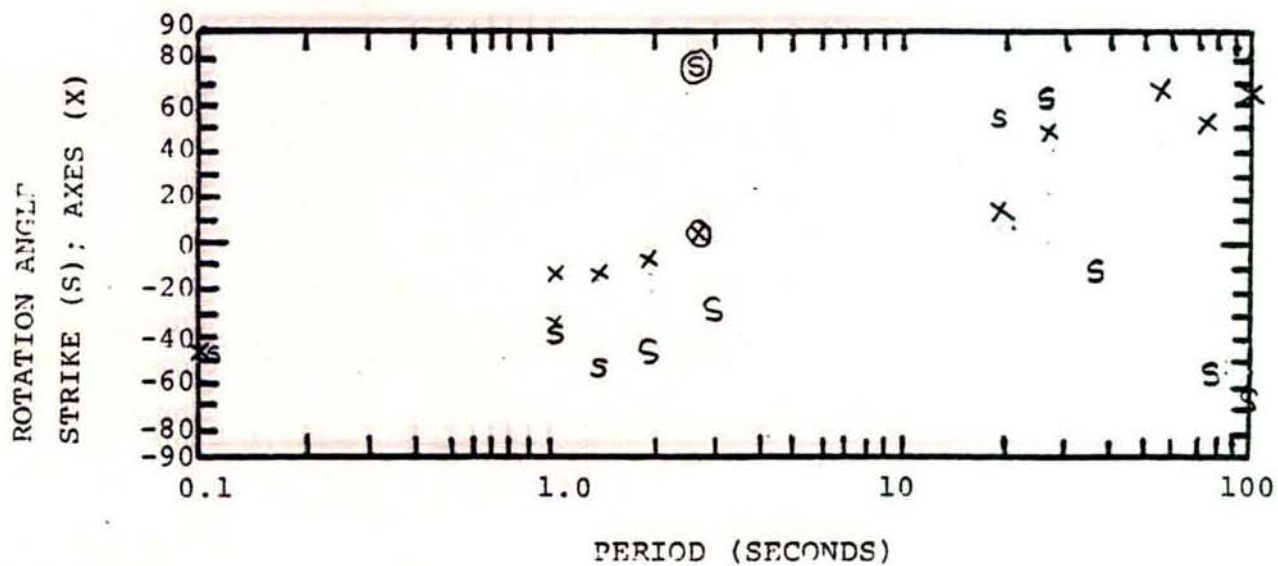
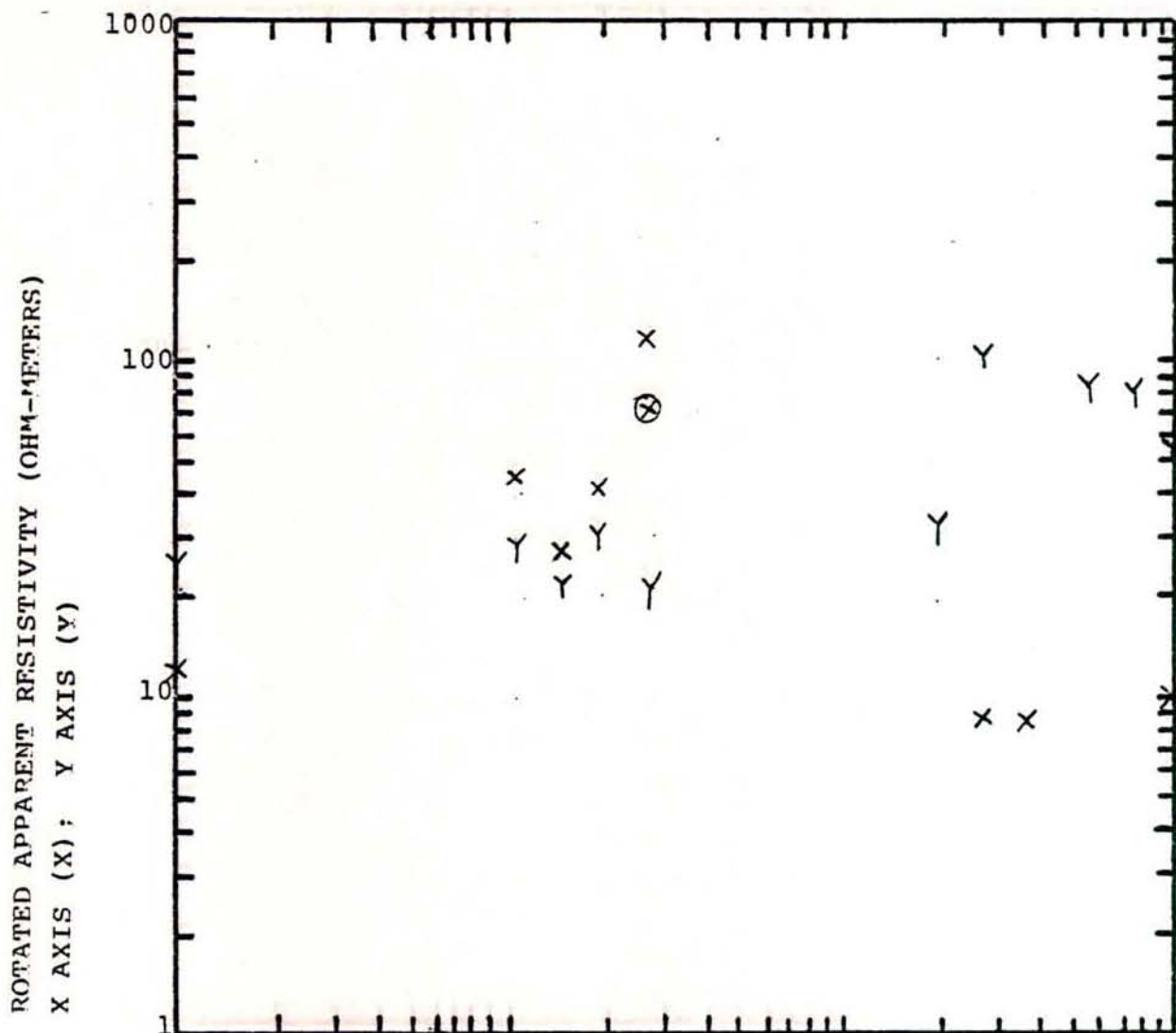
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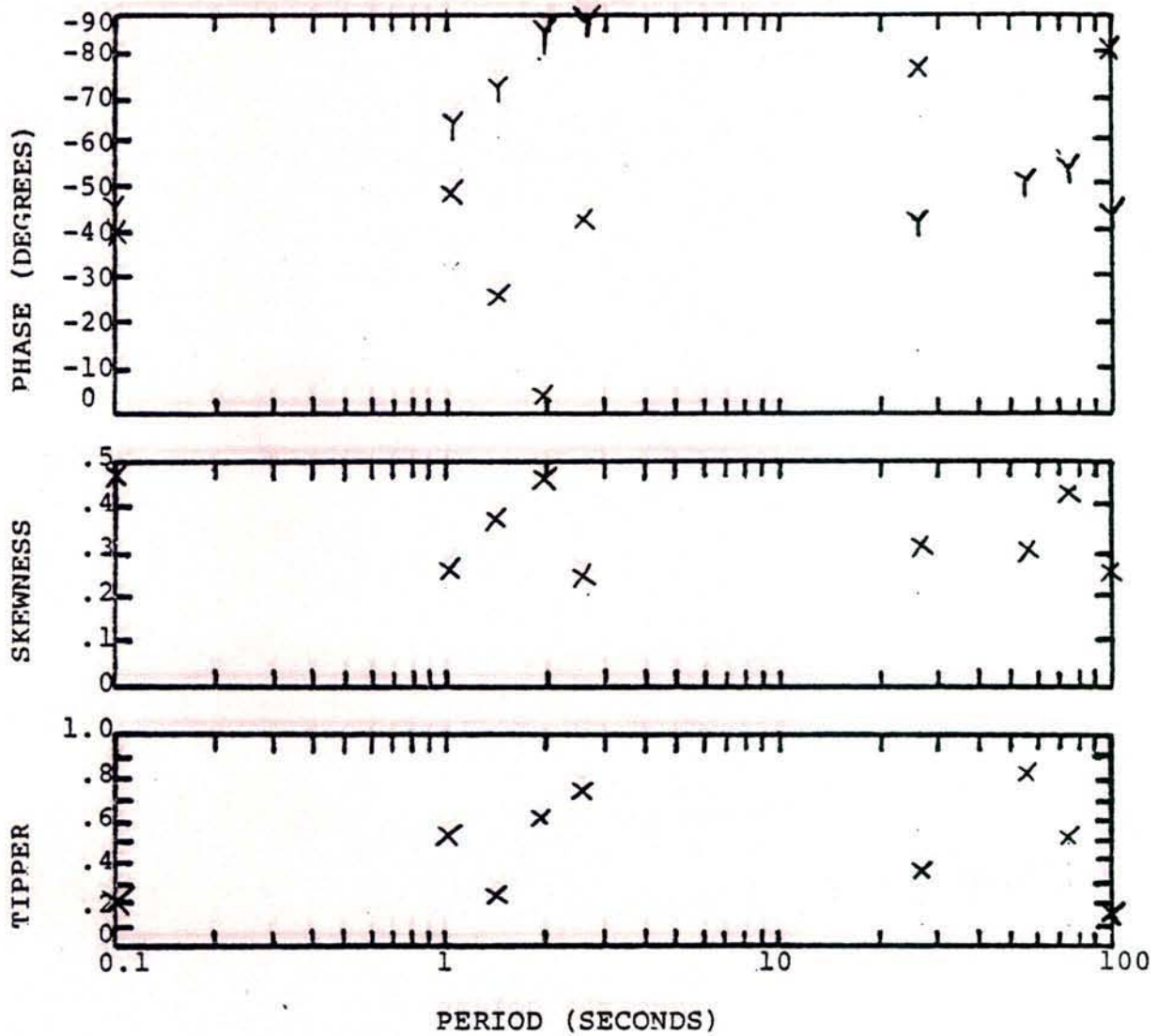


McCOY, NEVADA

STATION B3

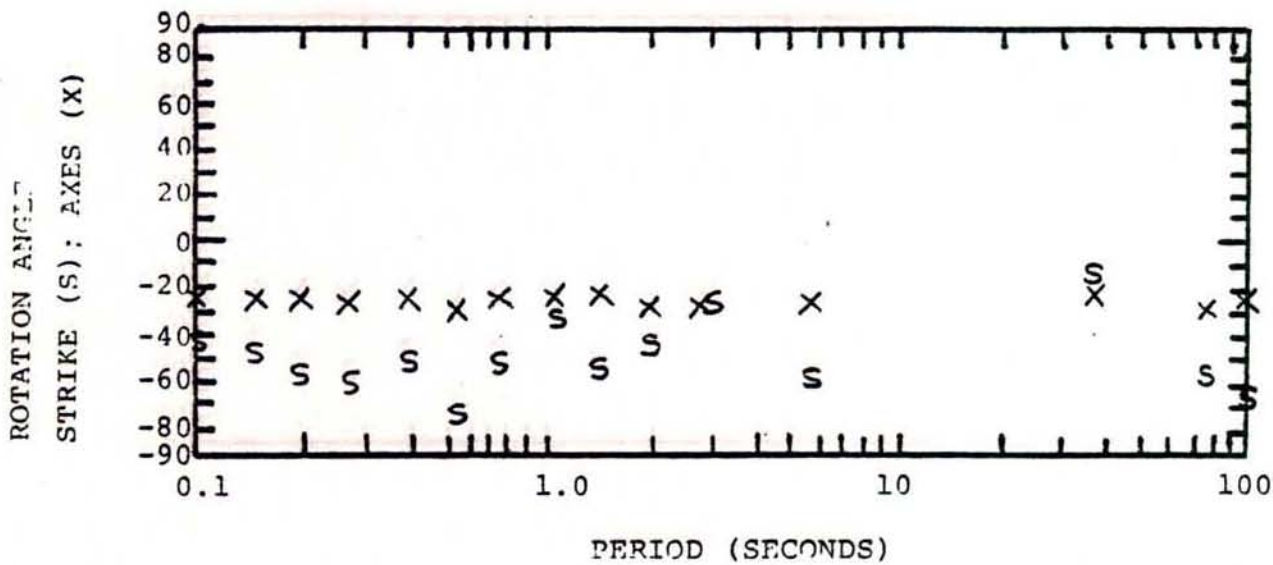
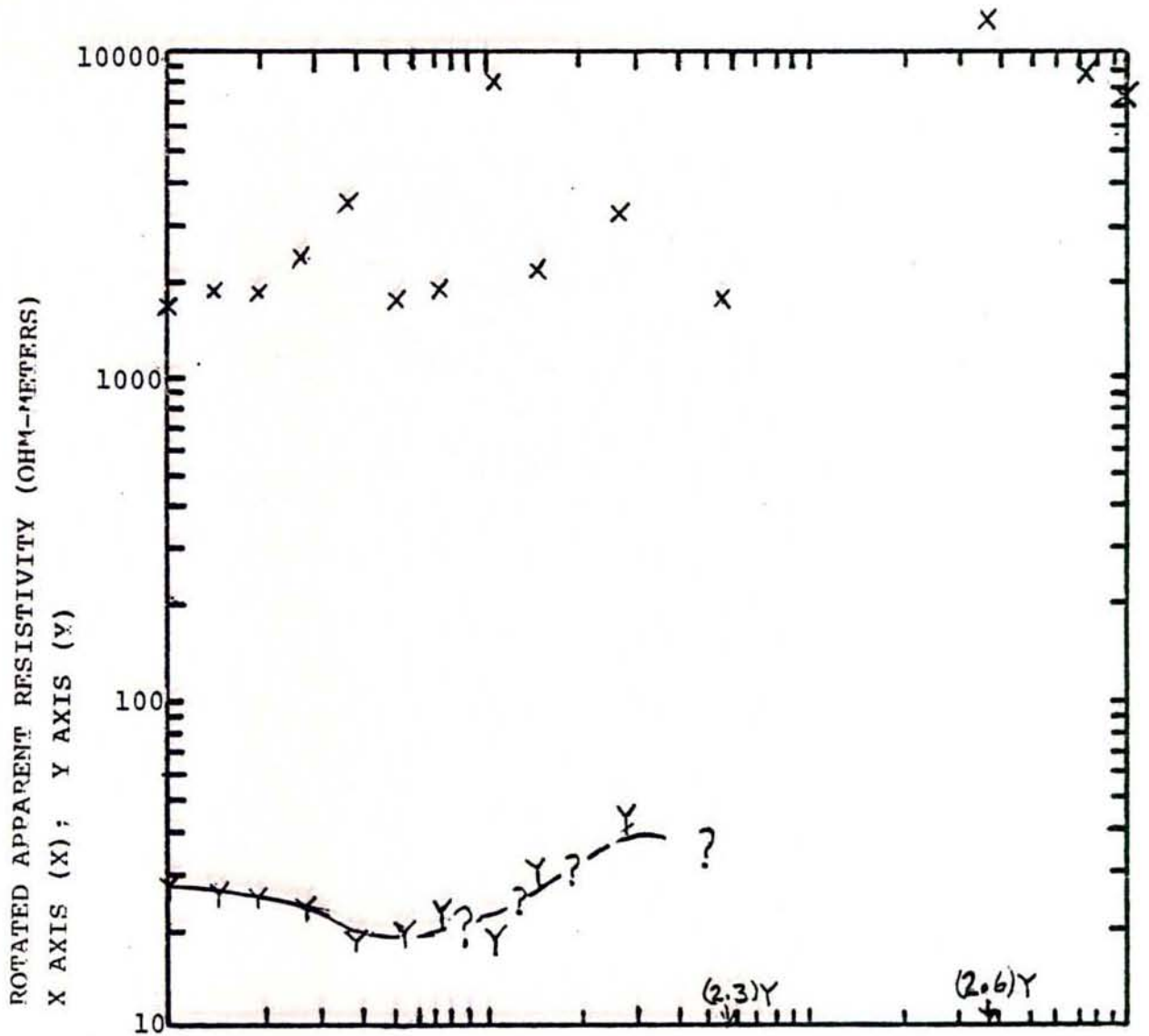


McCOY, NEVADA

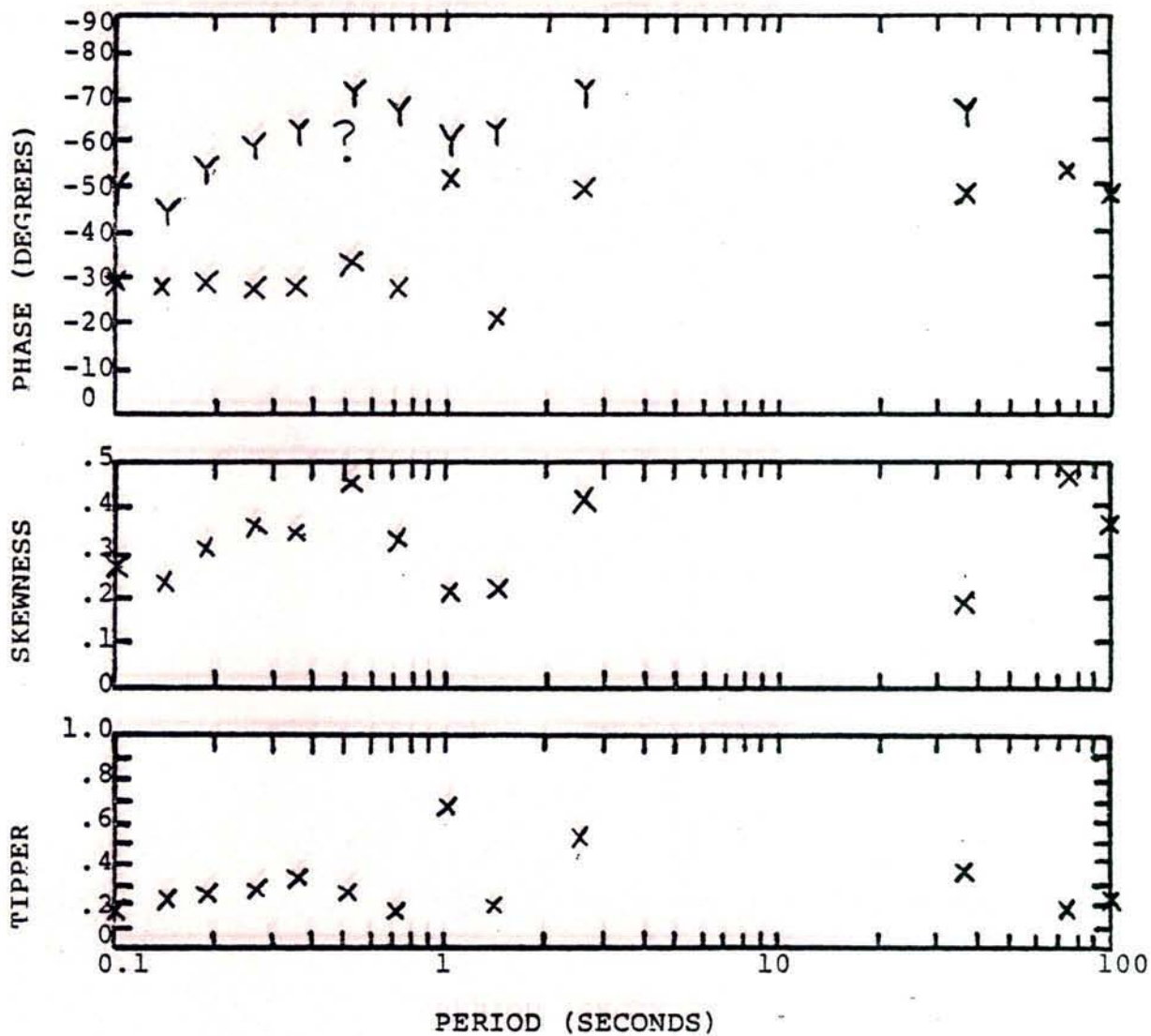
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PROSPECT McCOY, NEVADA

STATION A4

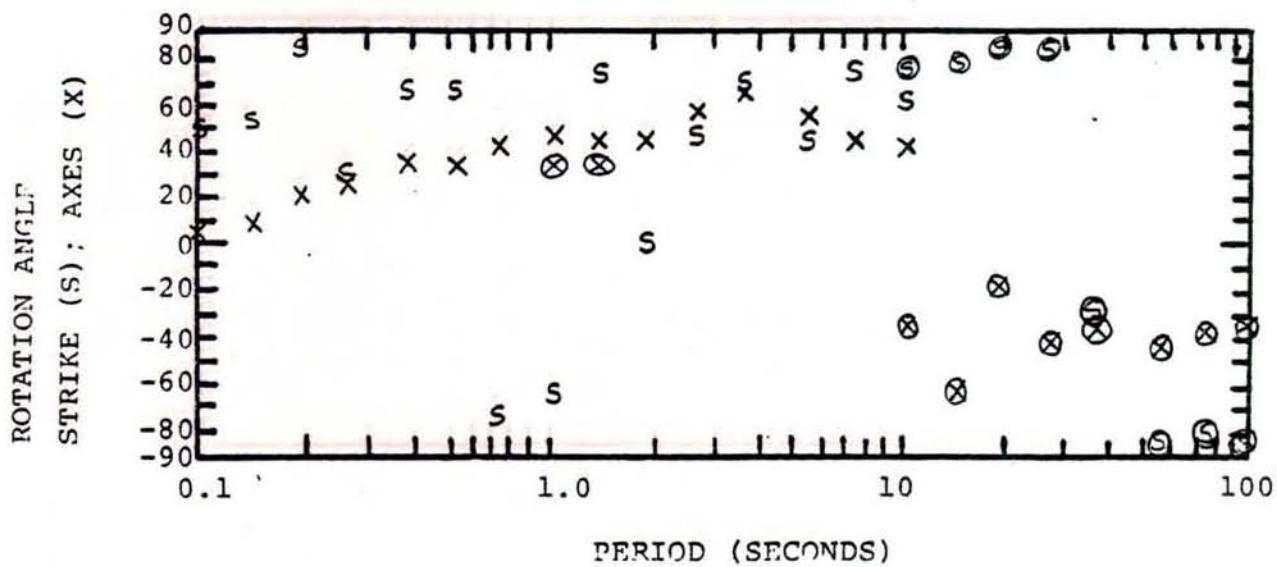
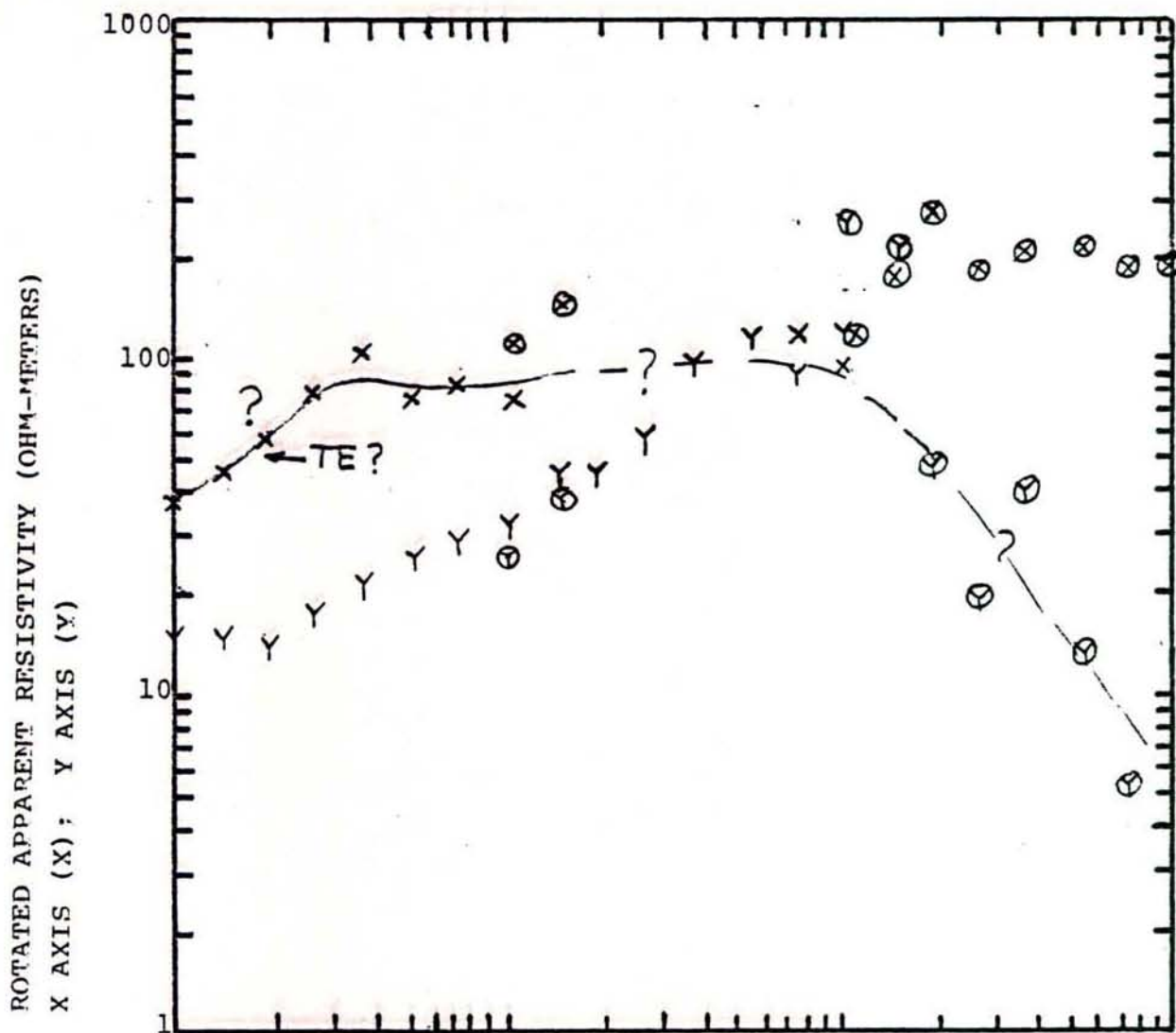


MCCOY, NEVADA

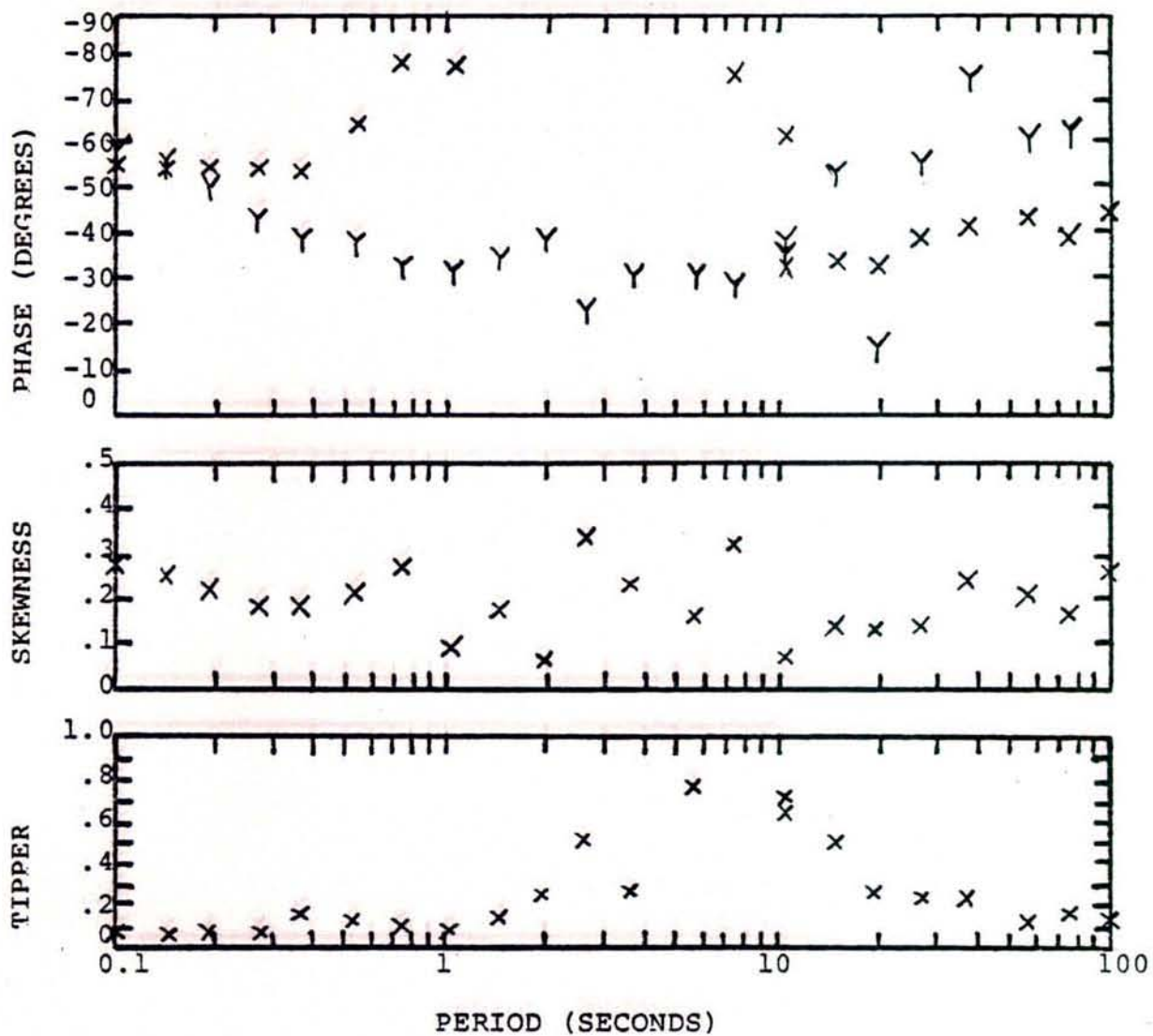
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PROSPECT McCOY, NEVADA

STATION M5

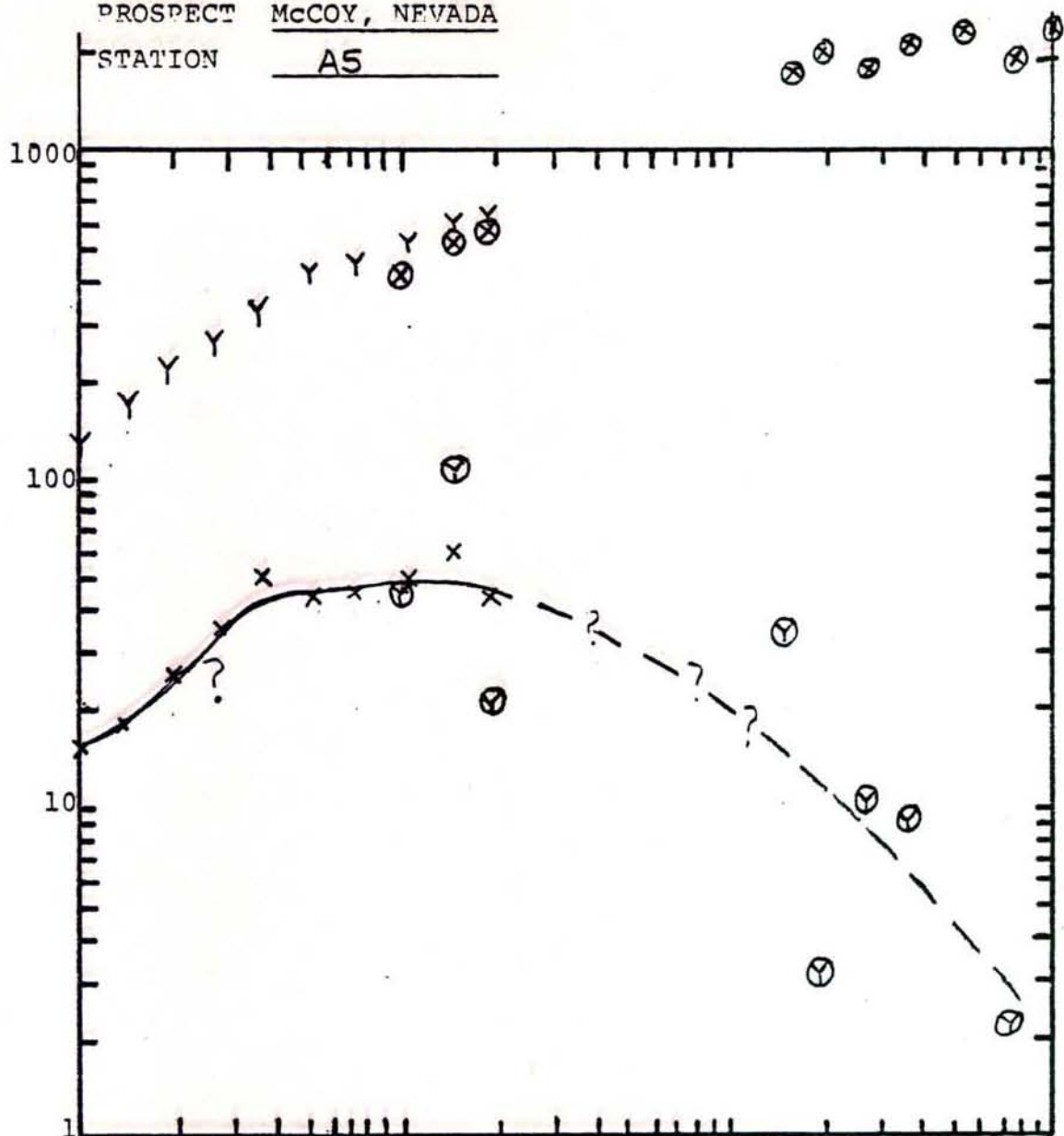


McCOY, NEVADA

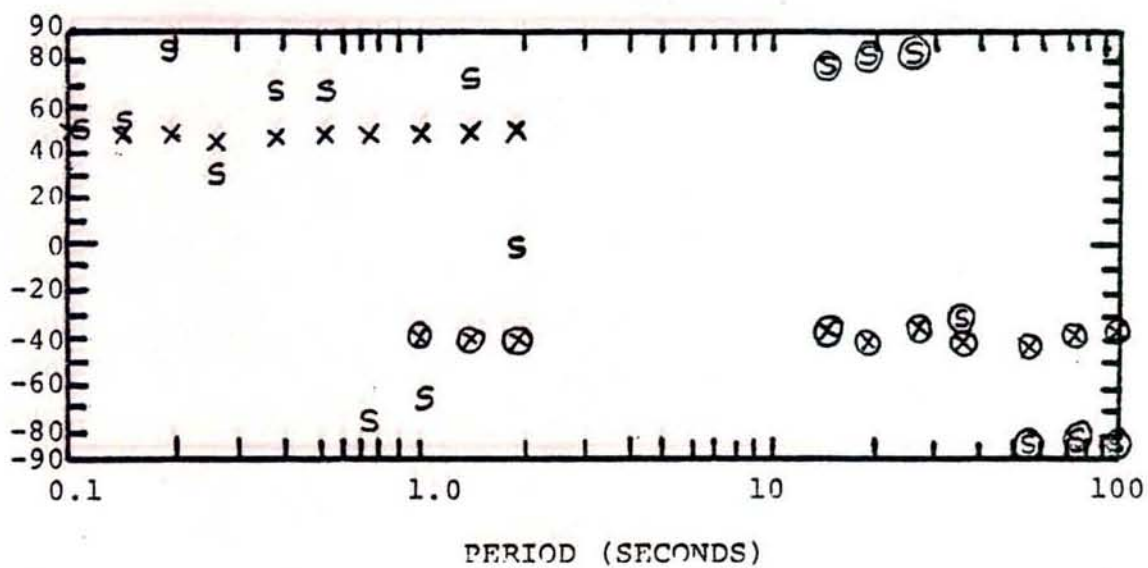
STATION M5

PROSPECT McCOY, NEVADASTATION A5

ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X); Y AXIS (Y)

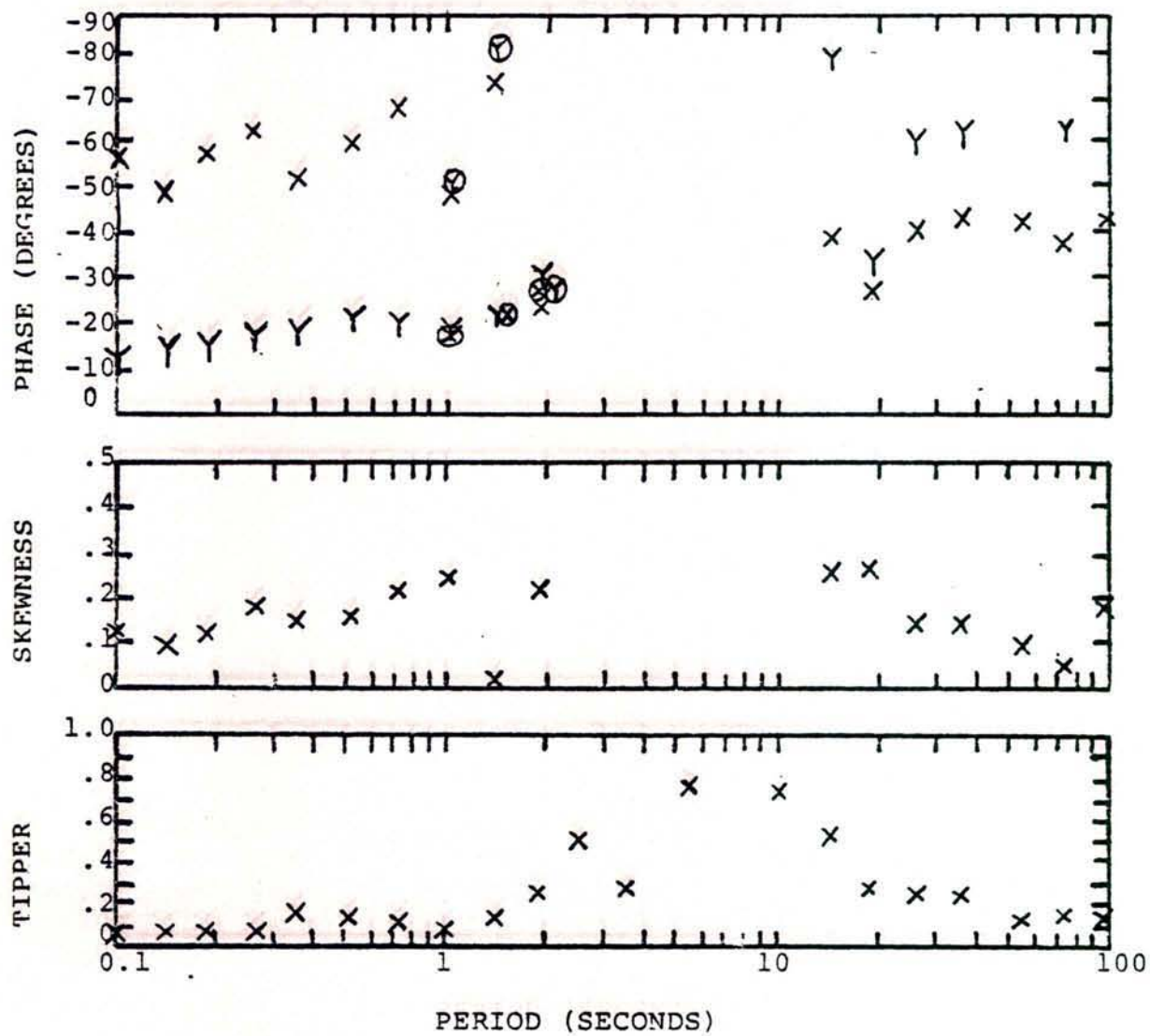


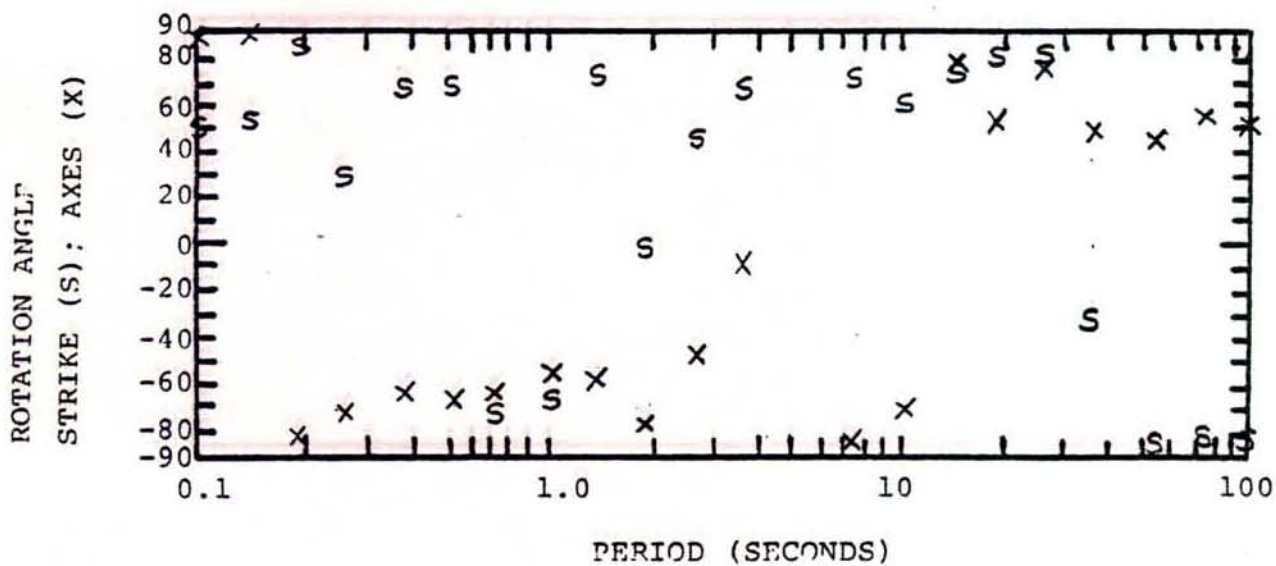
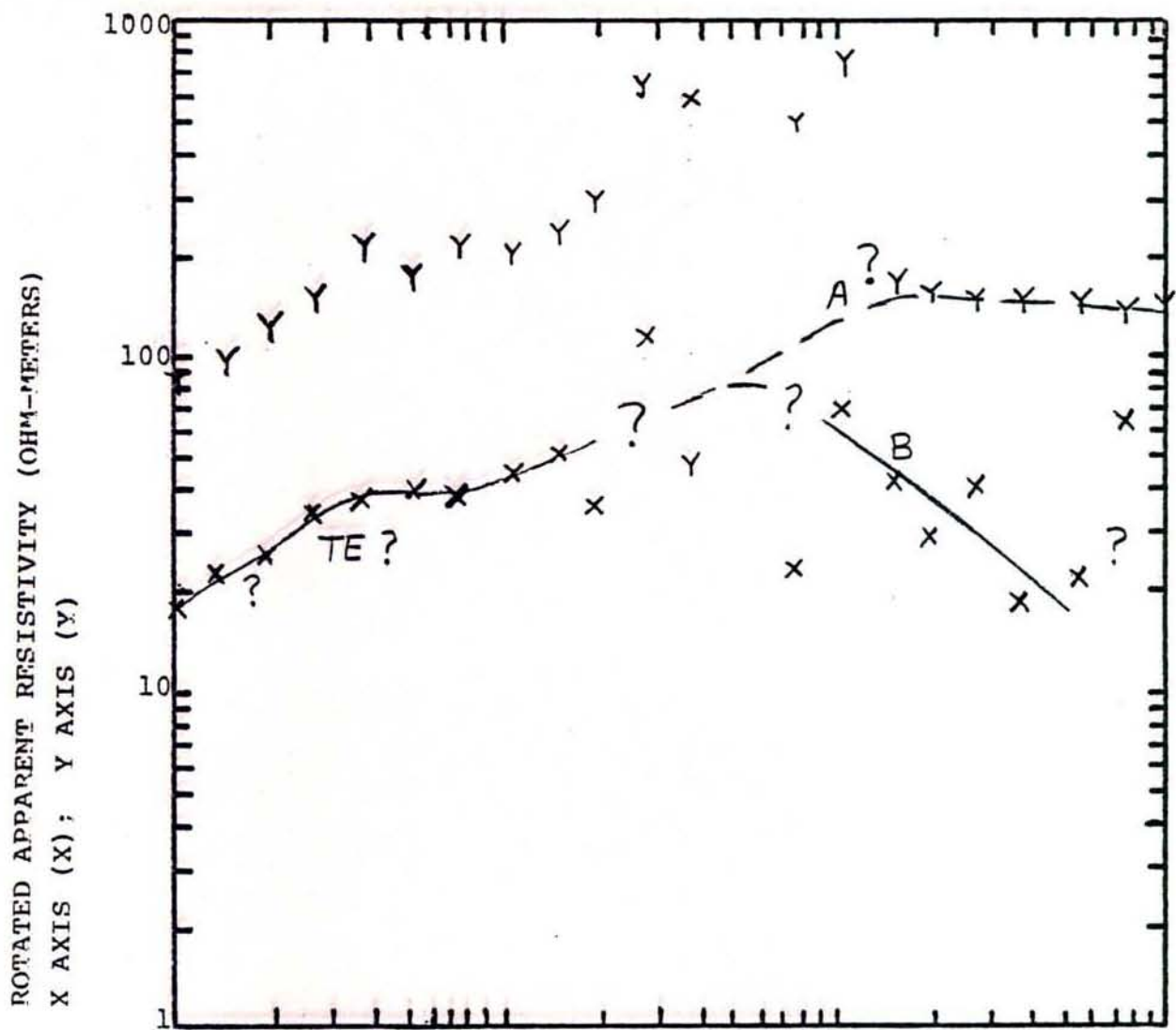
ROTATION ANGLE  
STRIKE (S); AXES (X)



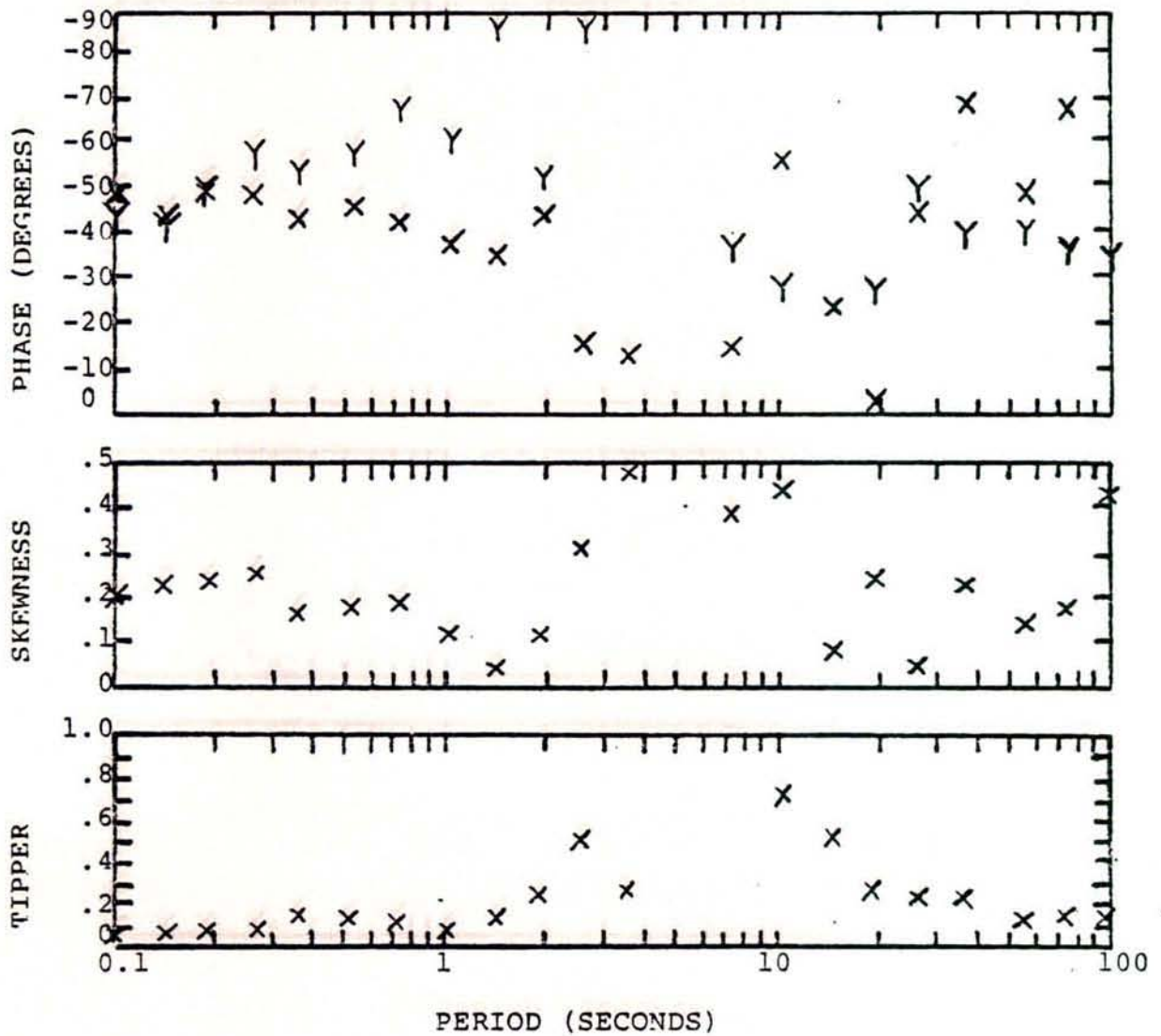


MCCOY, NEVADA

STATION A5

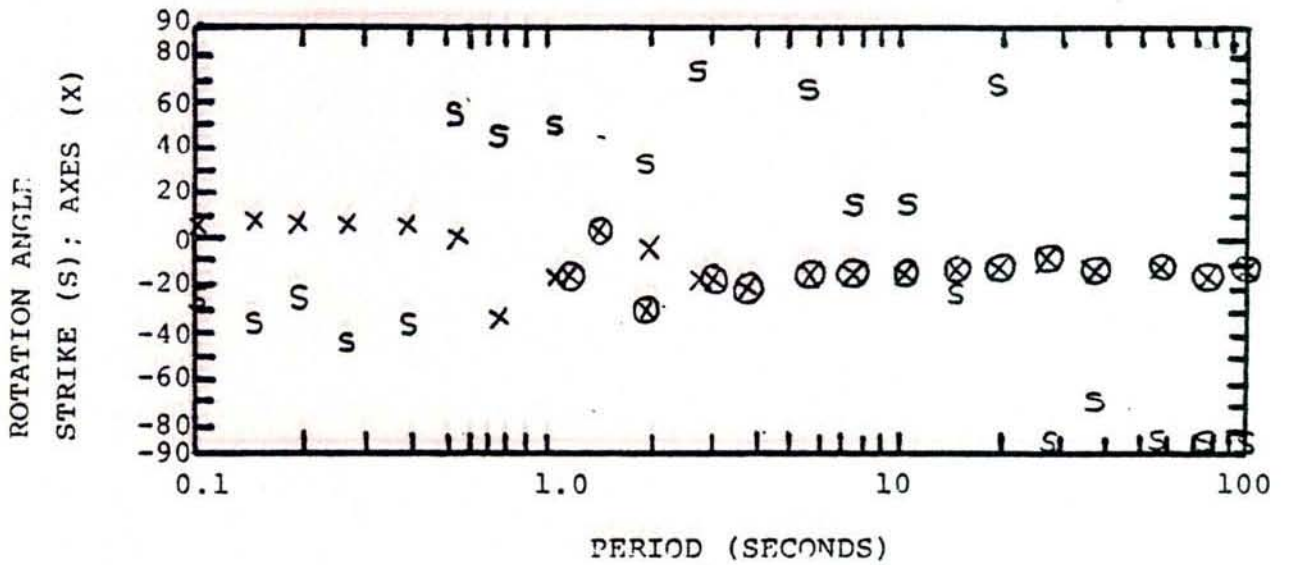
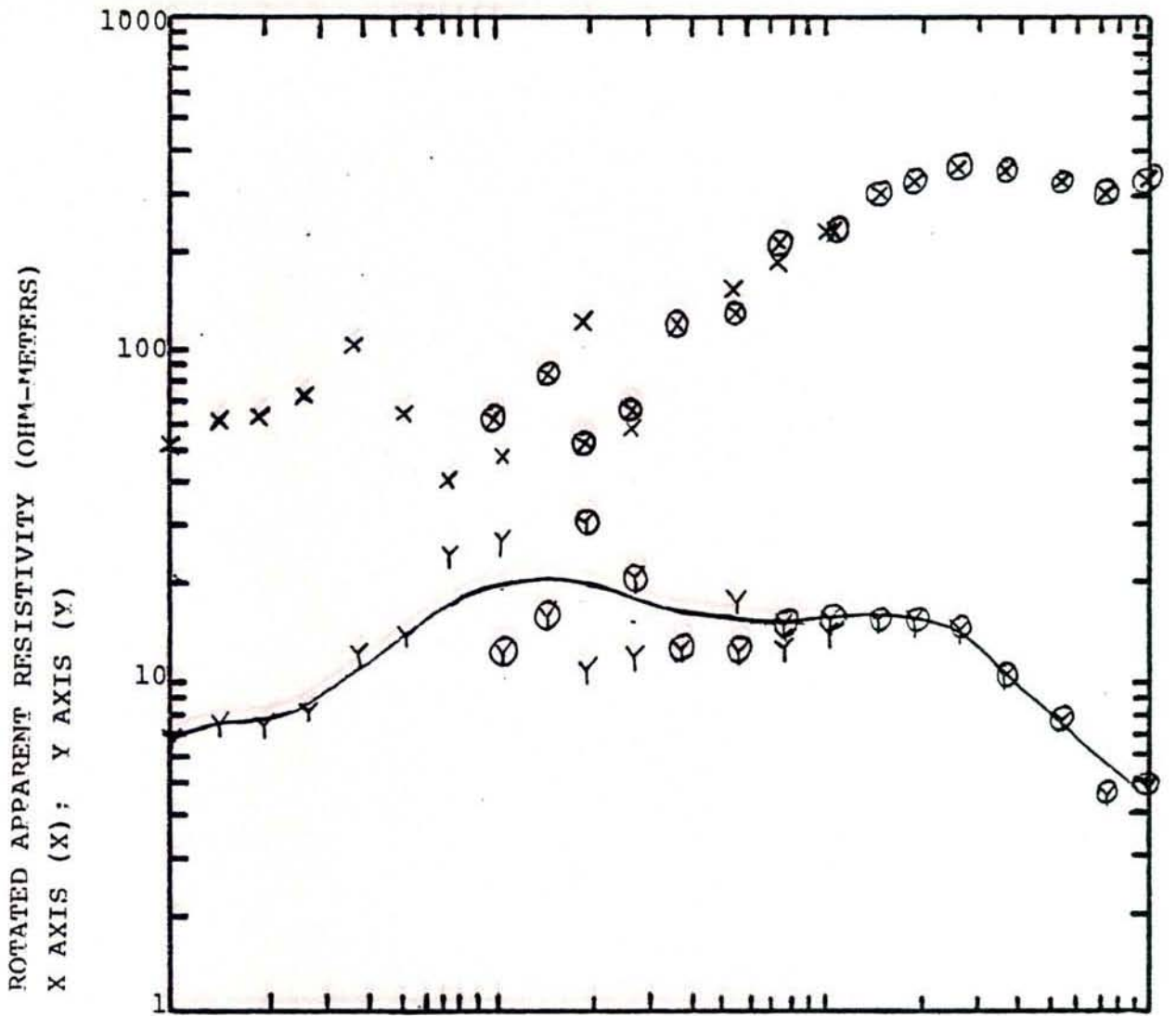


McCOY, NEVADA

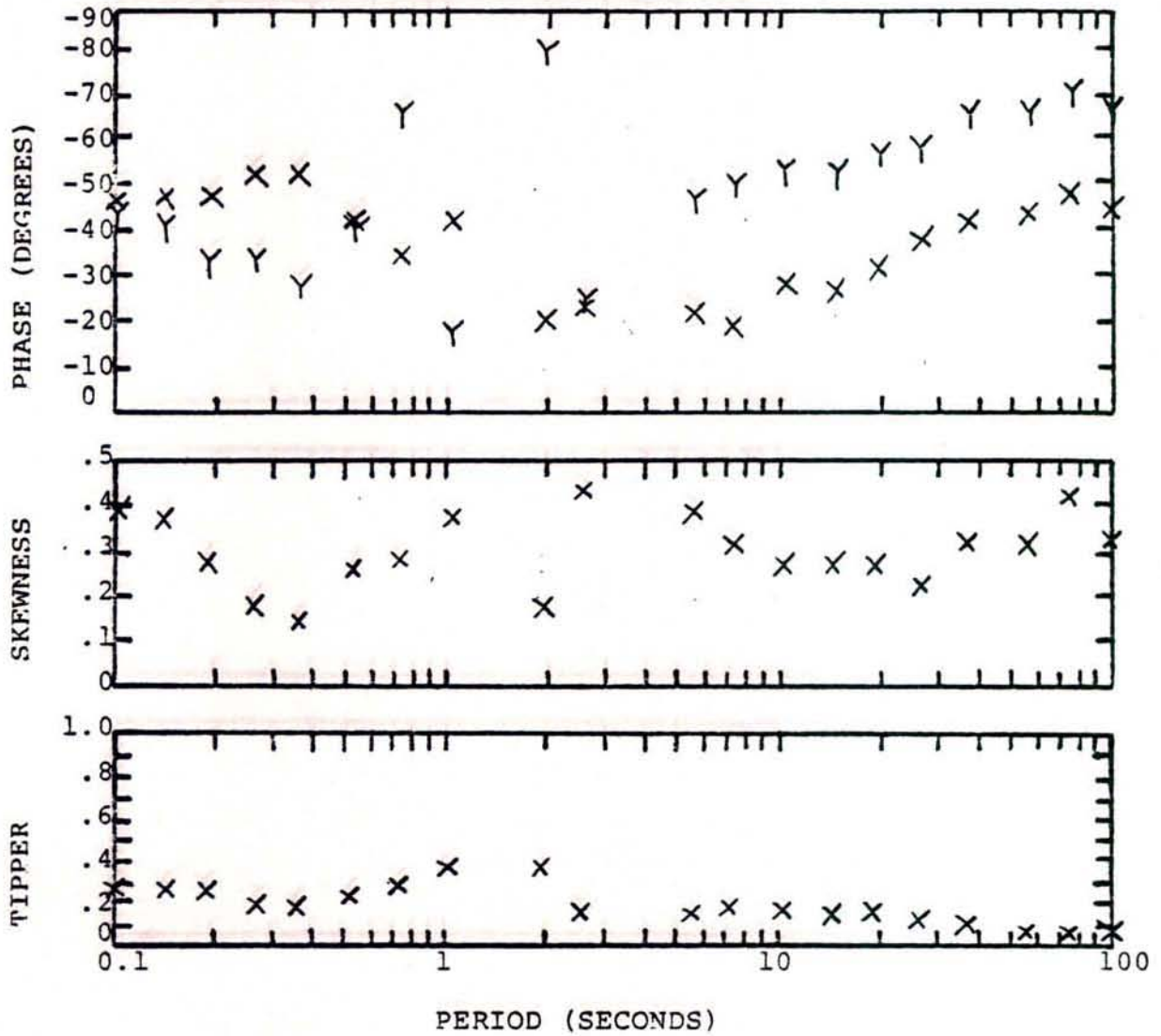
STATION B5

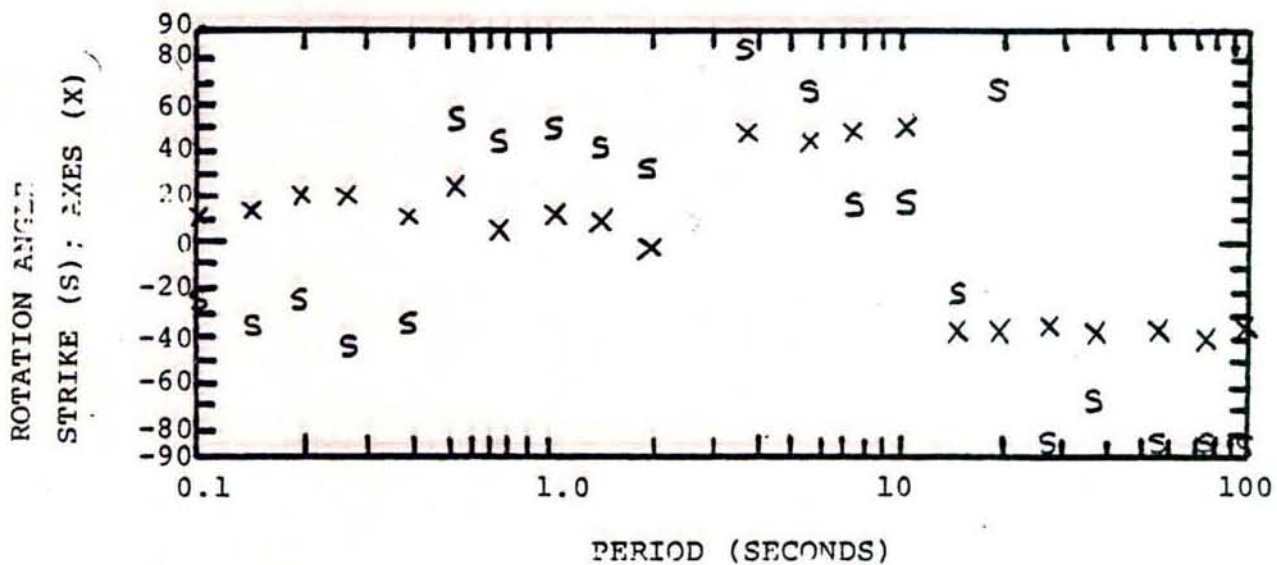
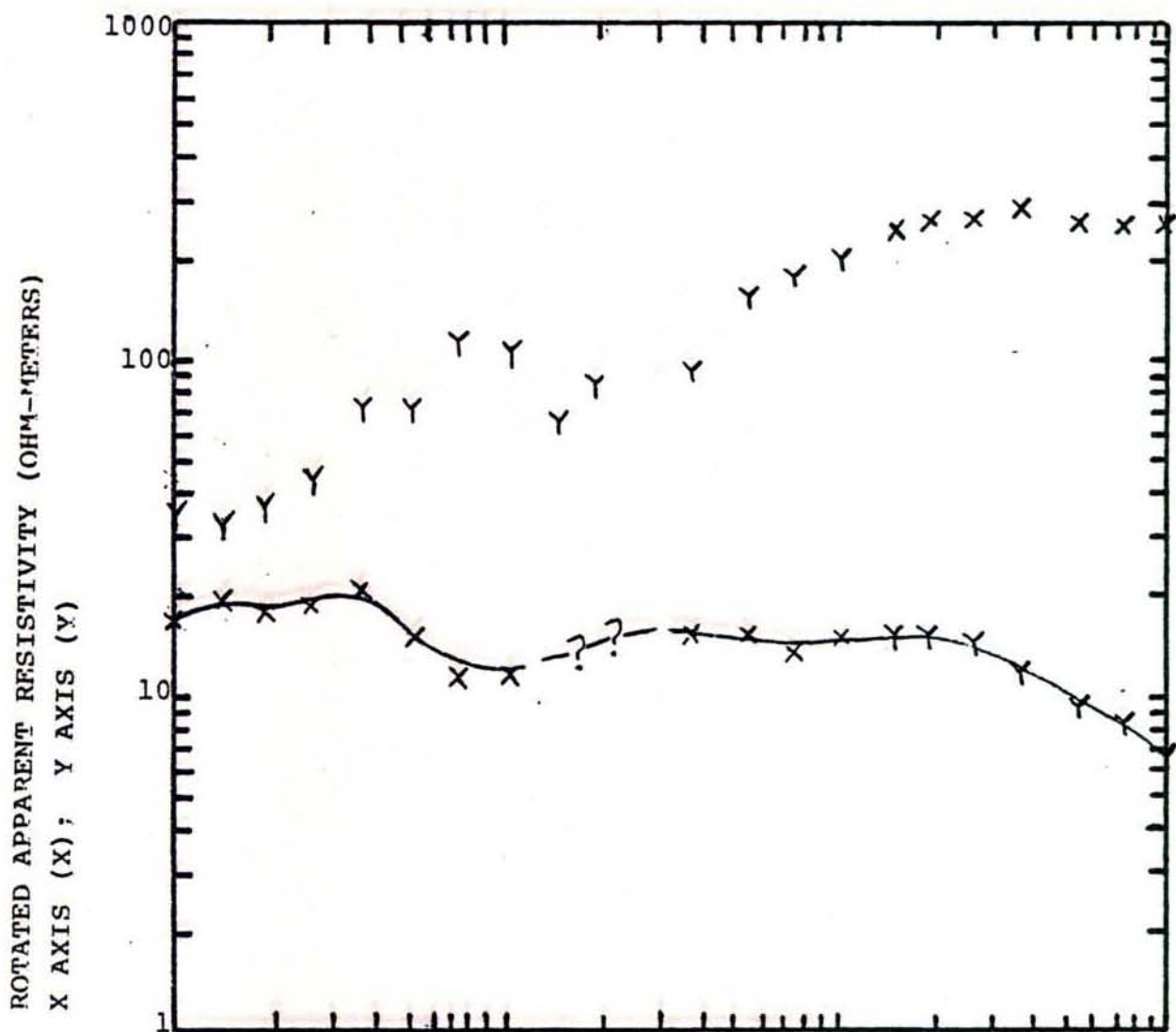
PROSPECT McCOY, NEVADA

STATION M6

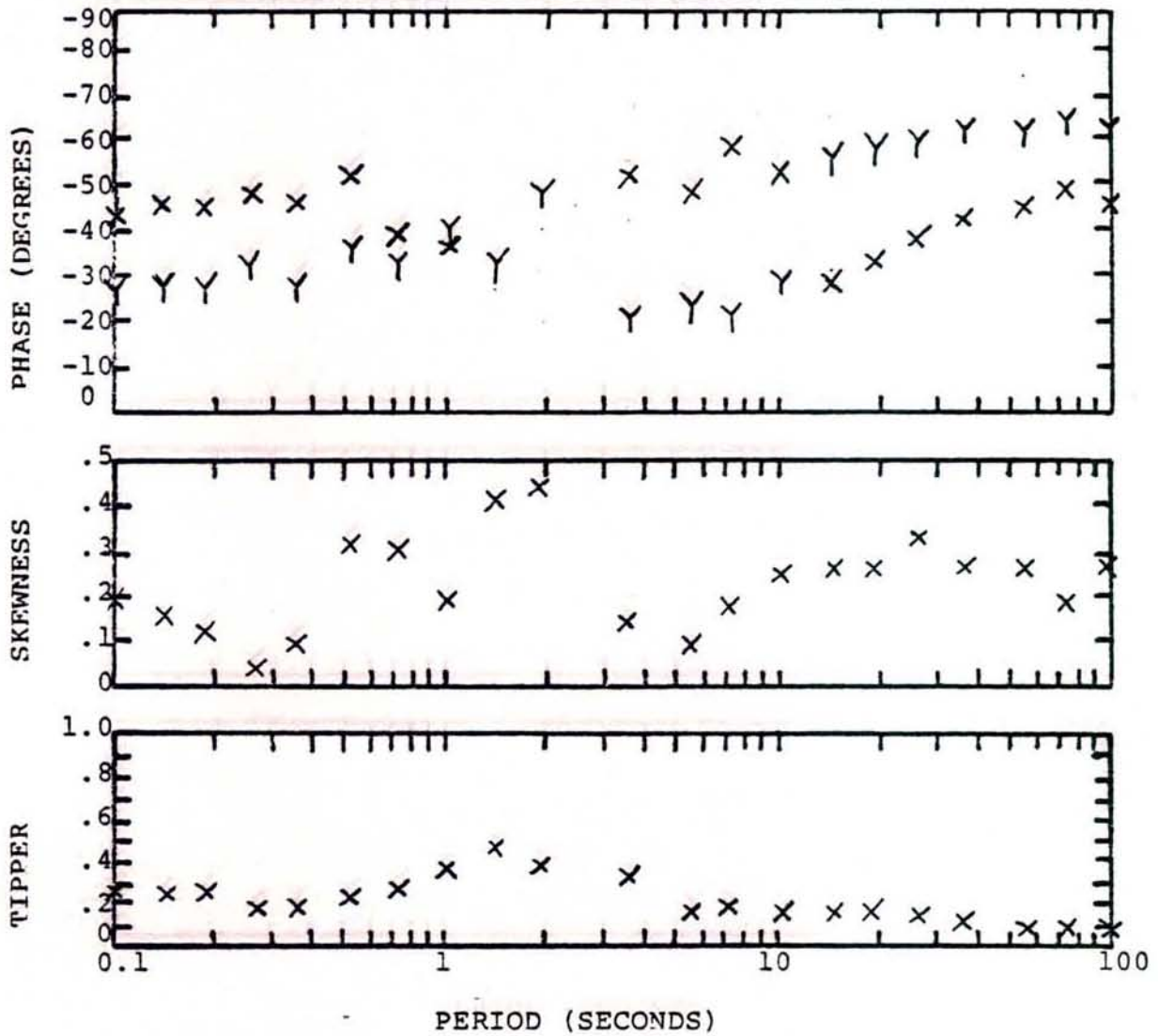


McCOY, NEVADA

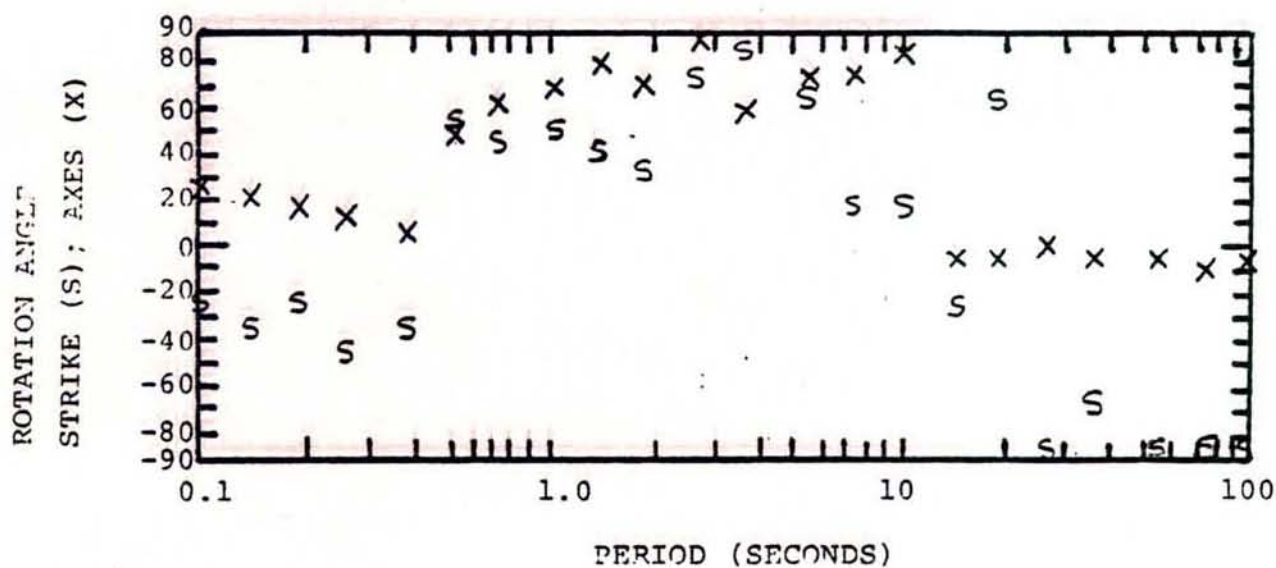
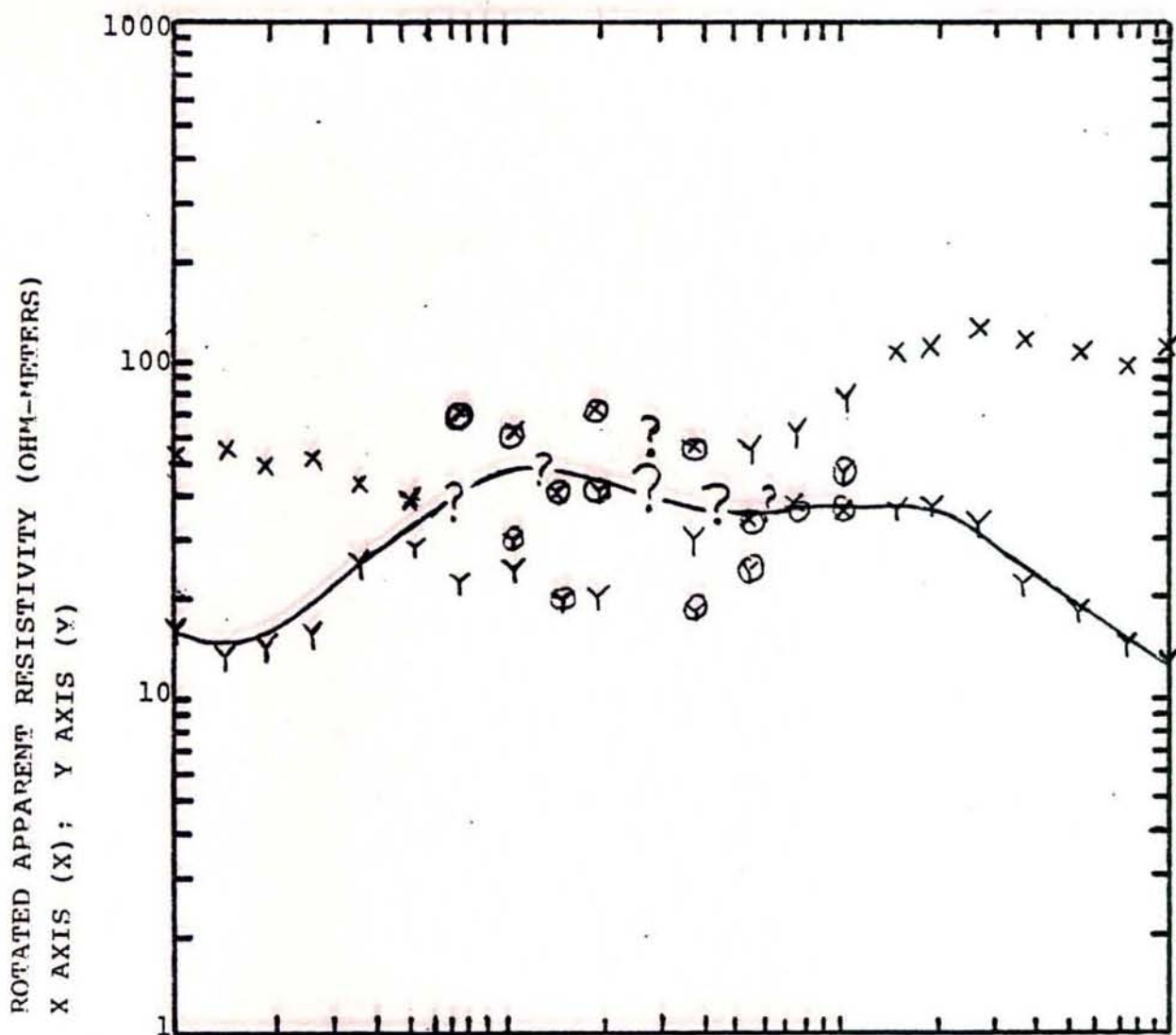
STATION M6



MCCOY, NEVADA

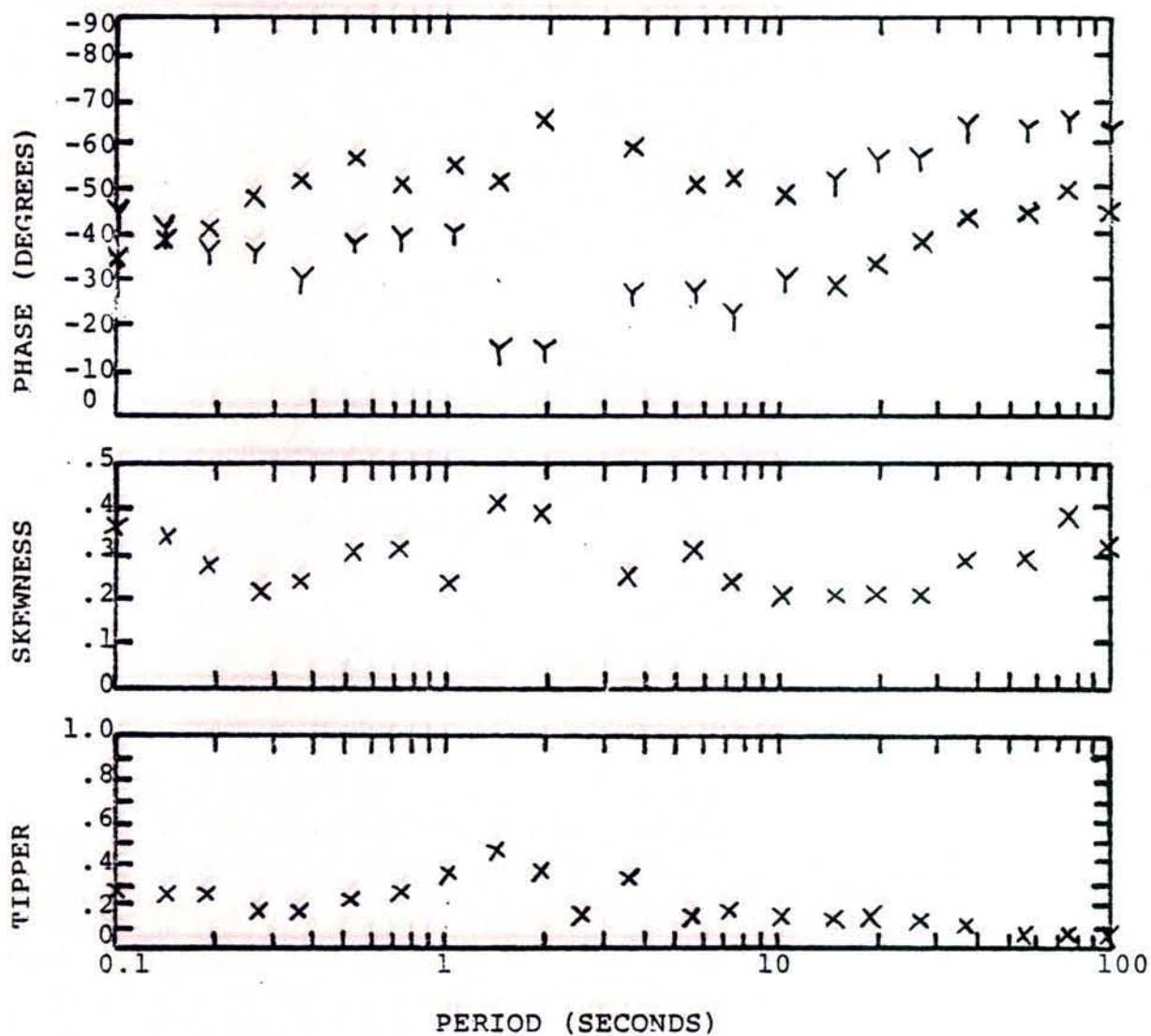
STATION A6

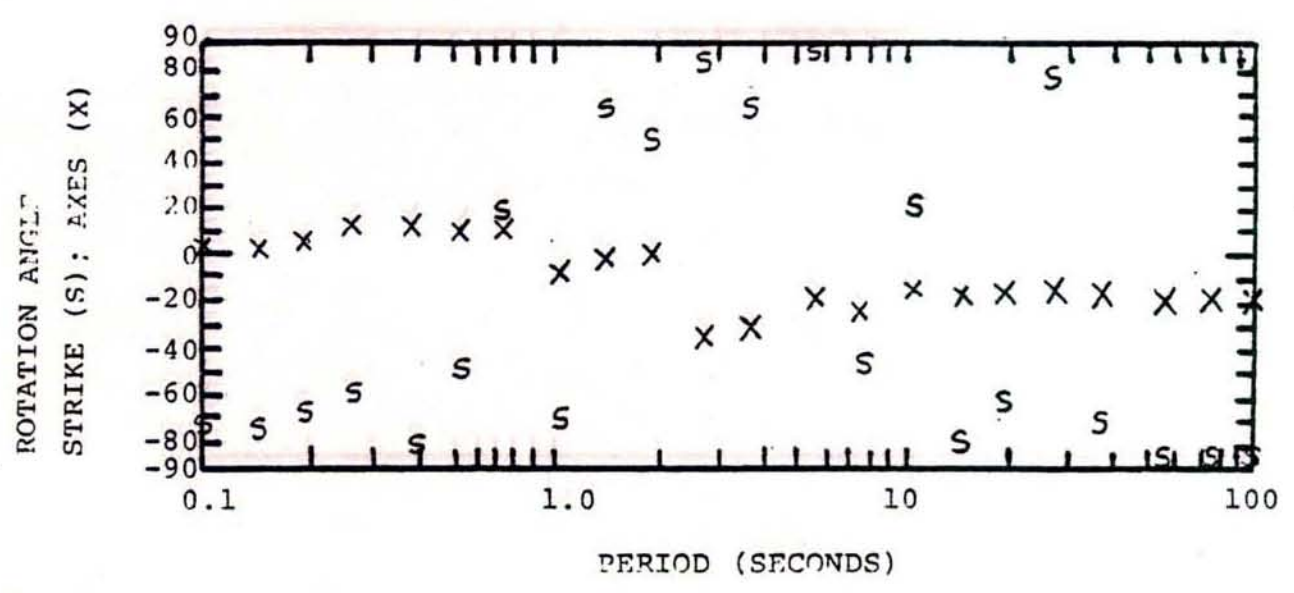
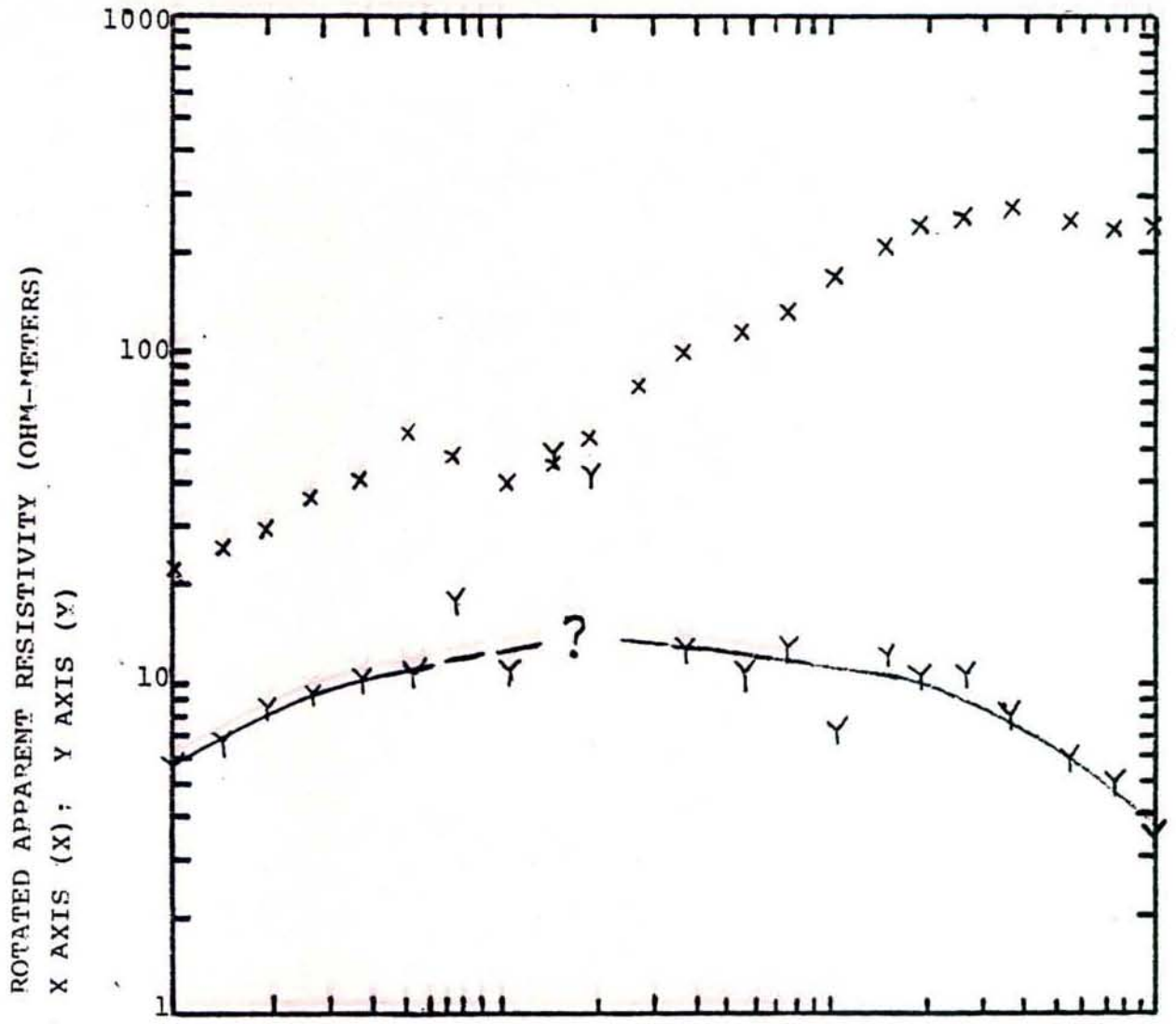
PROSPECT McCOY, NEVADA  
STATION B6





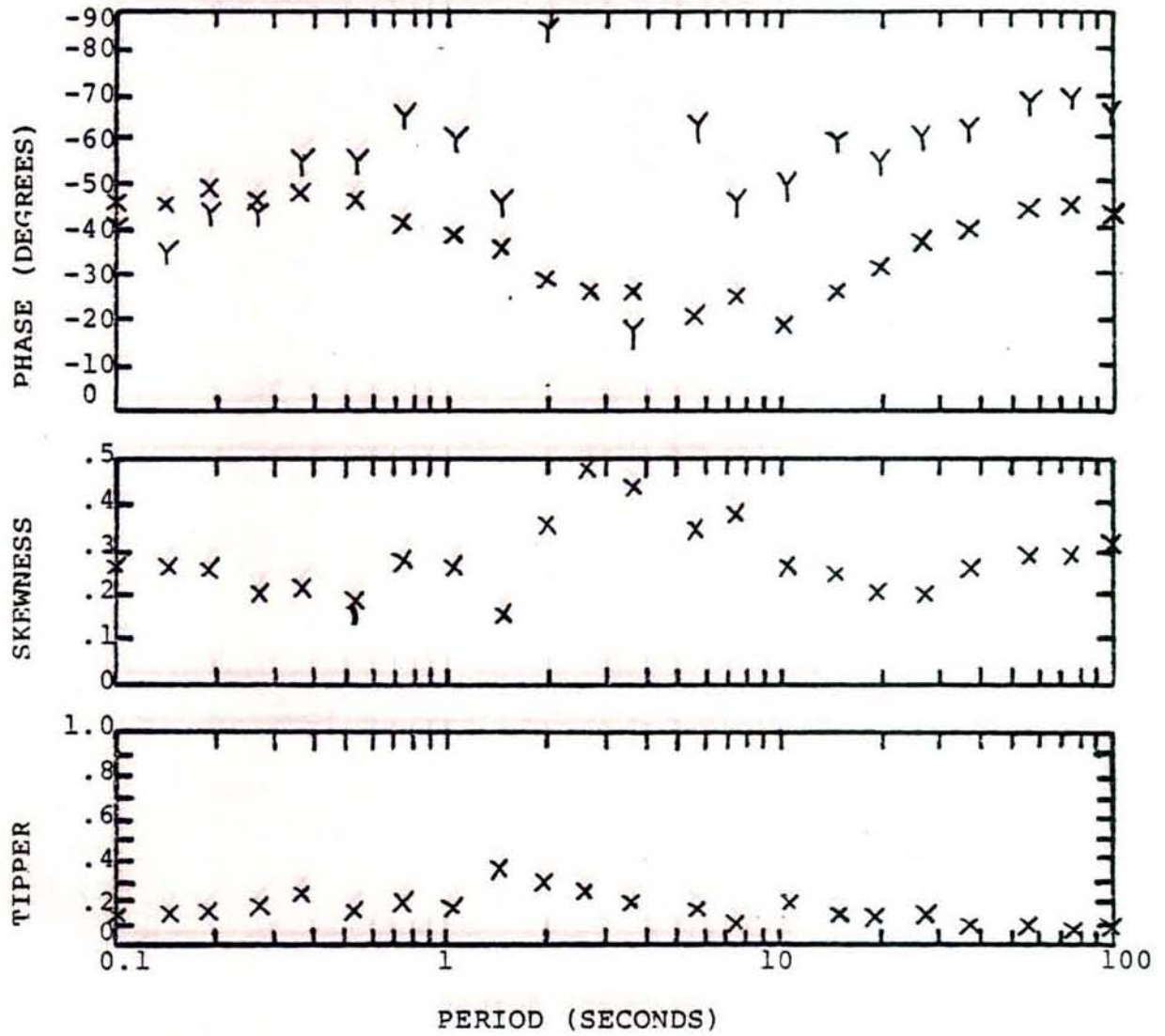
MCCOY, NEVADA

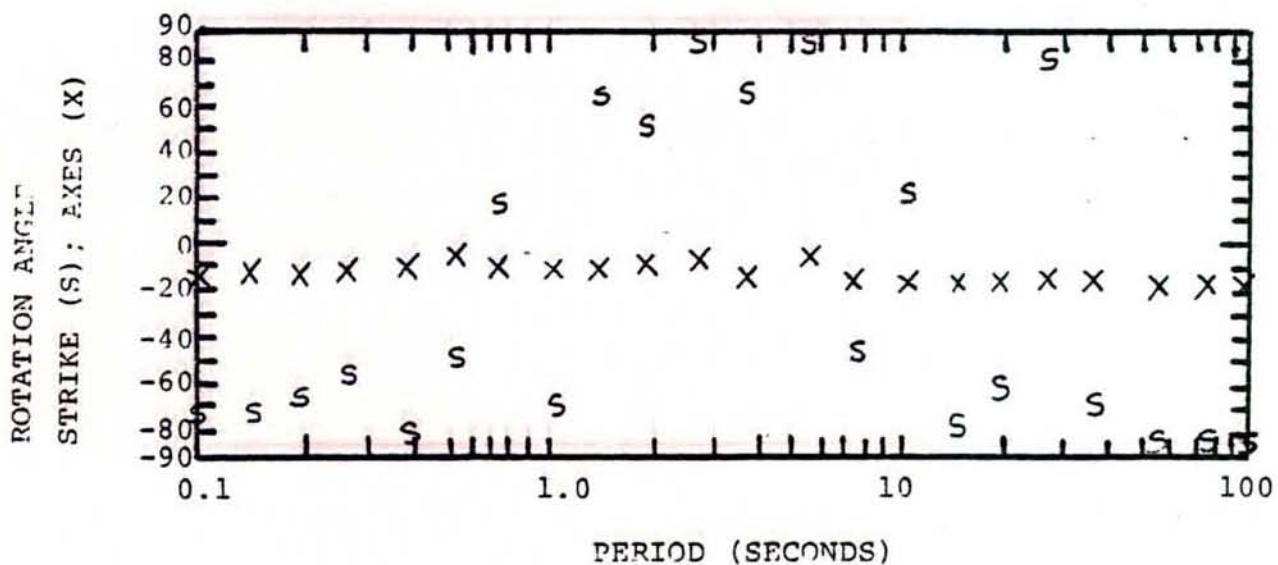
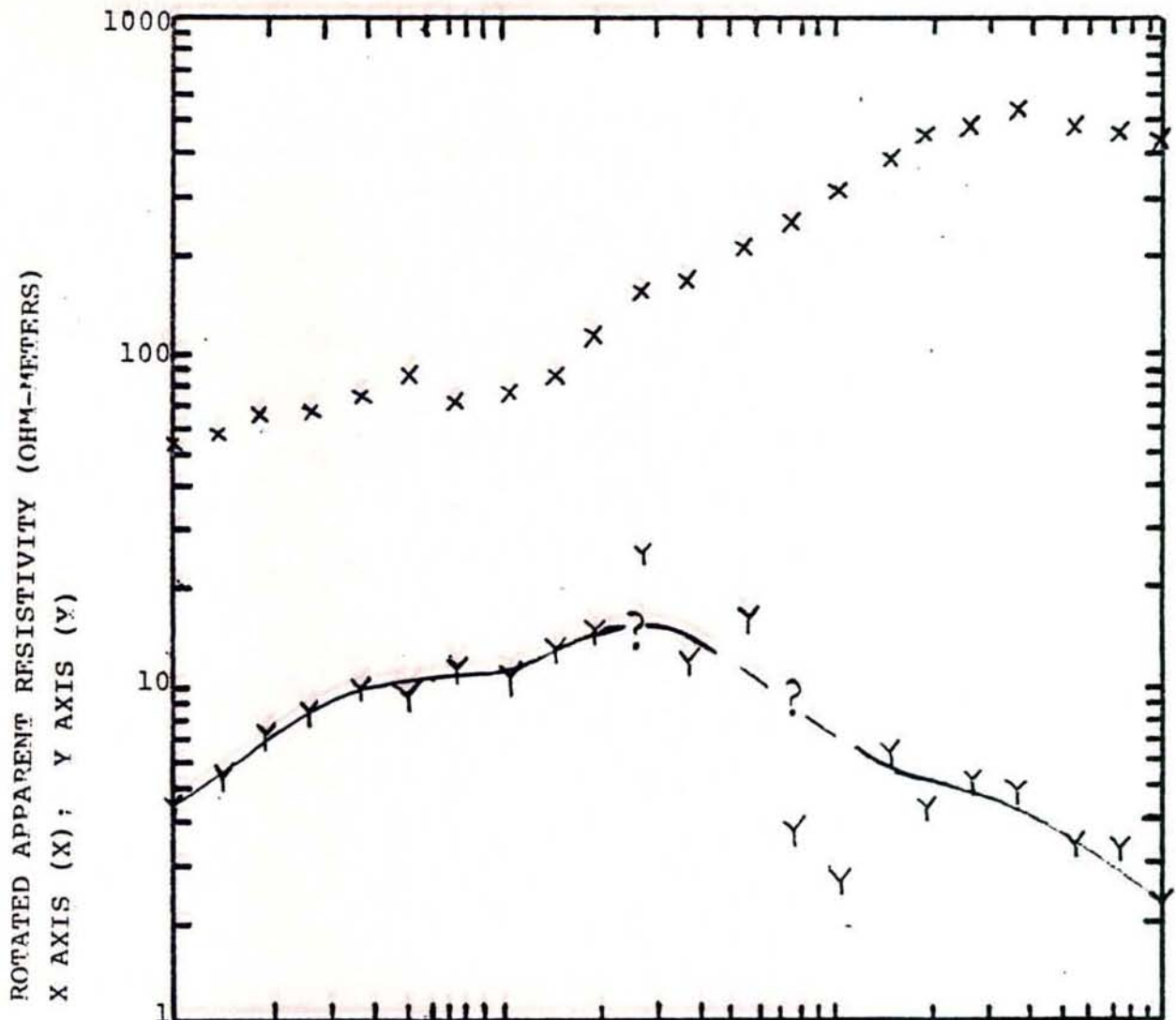
STATION B6



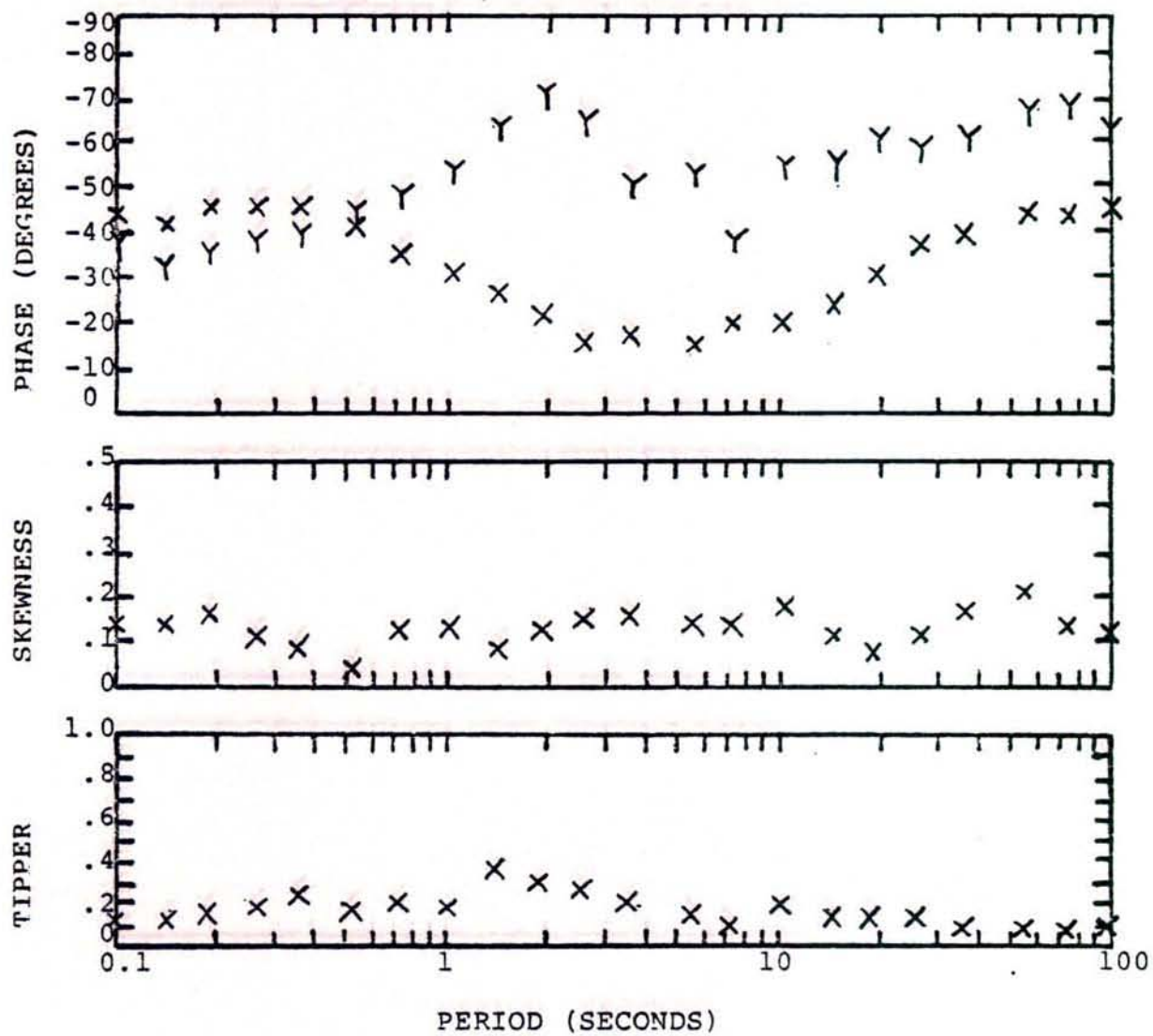
PERIOD (SECONDS)

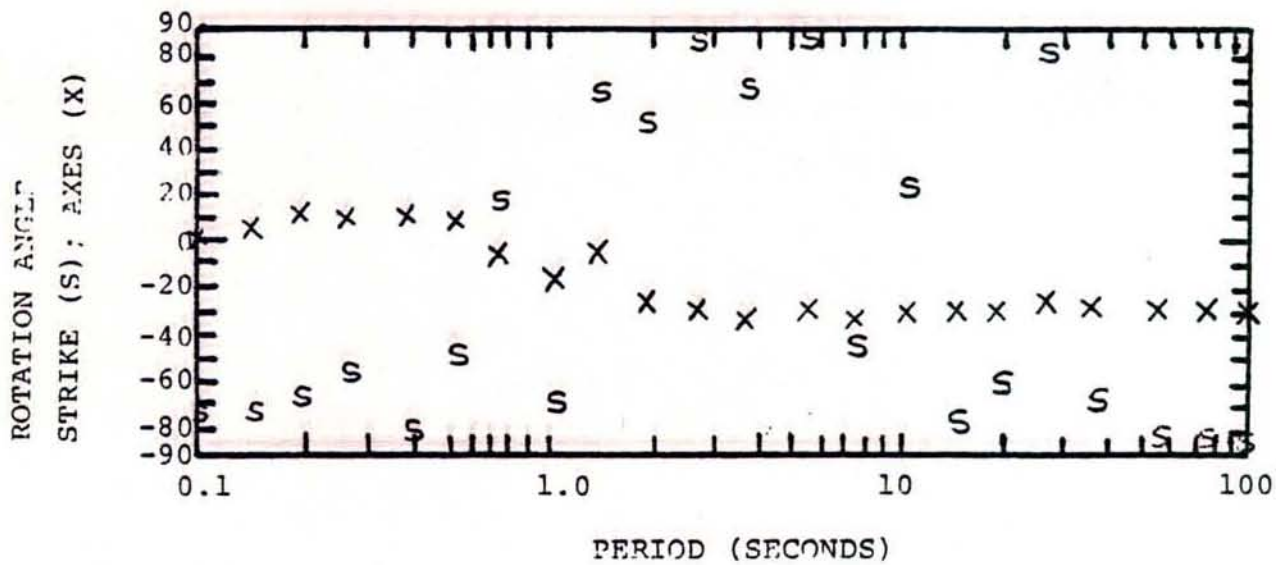
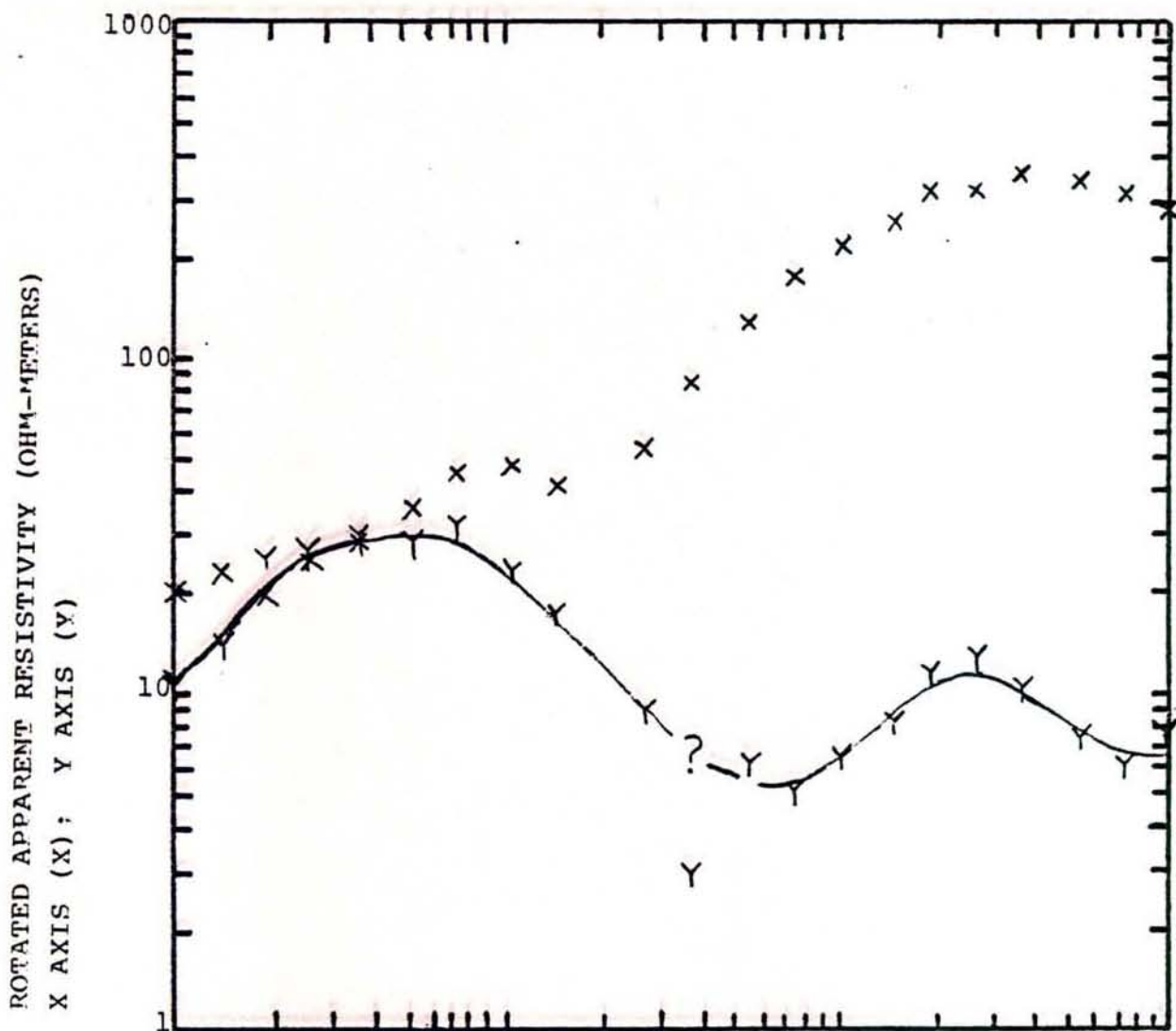
McCOY, NEVADA

STATION M7

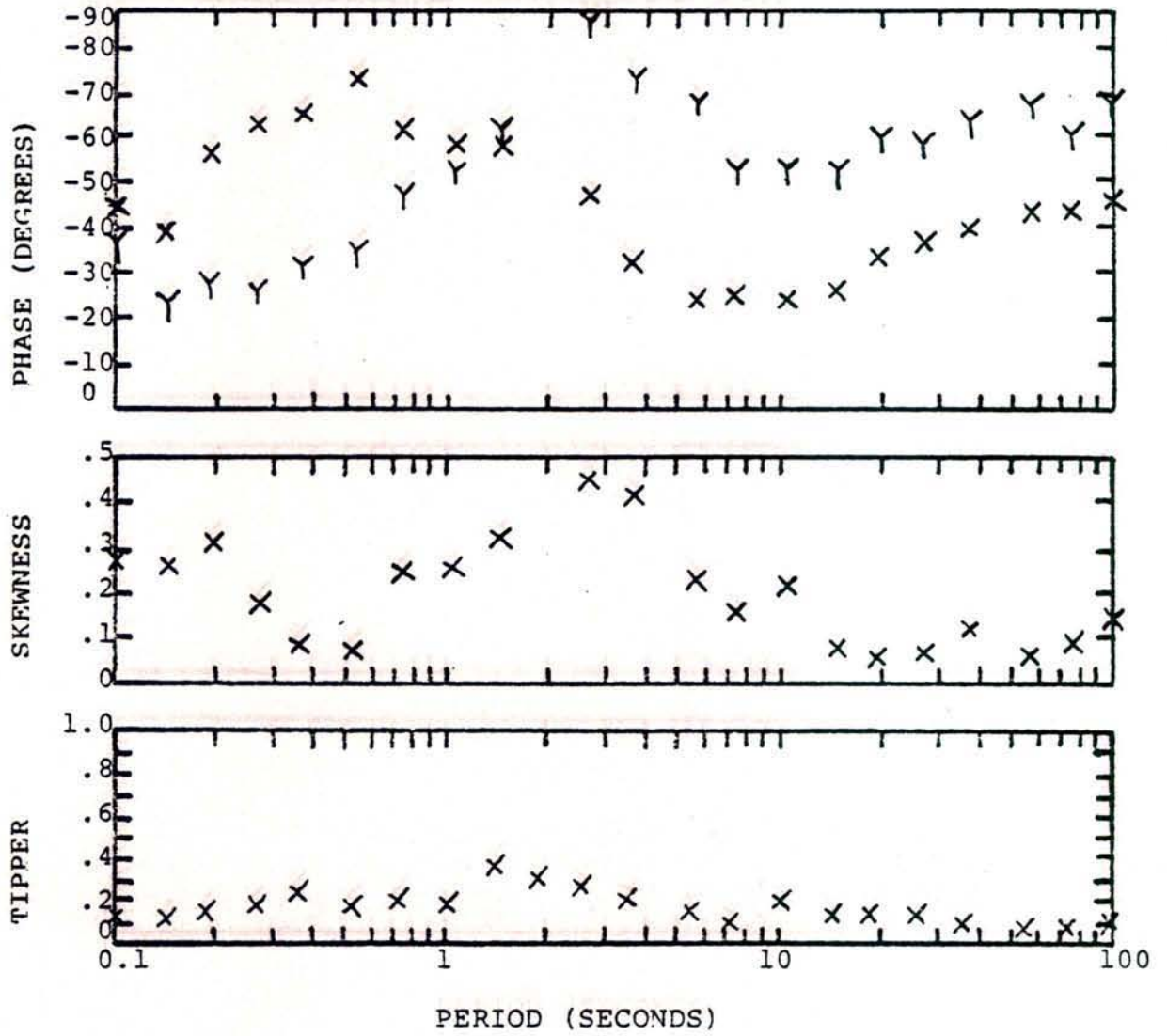


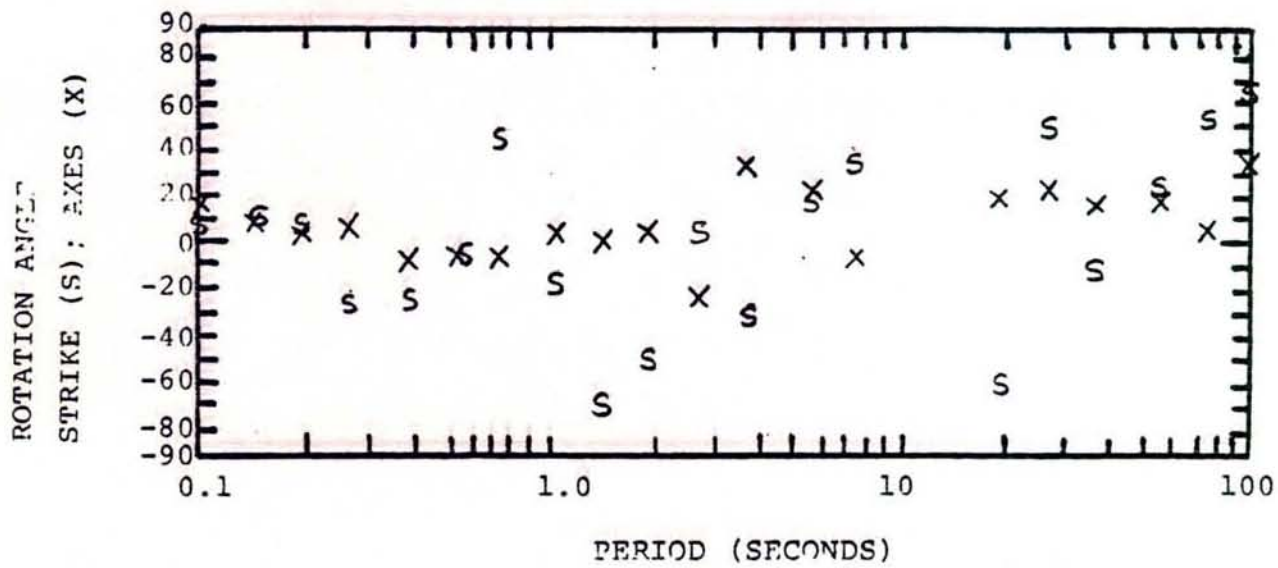
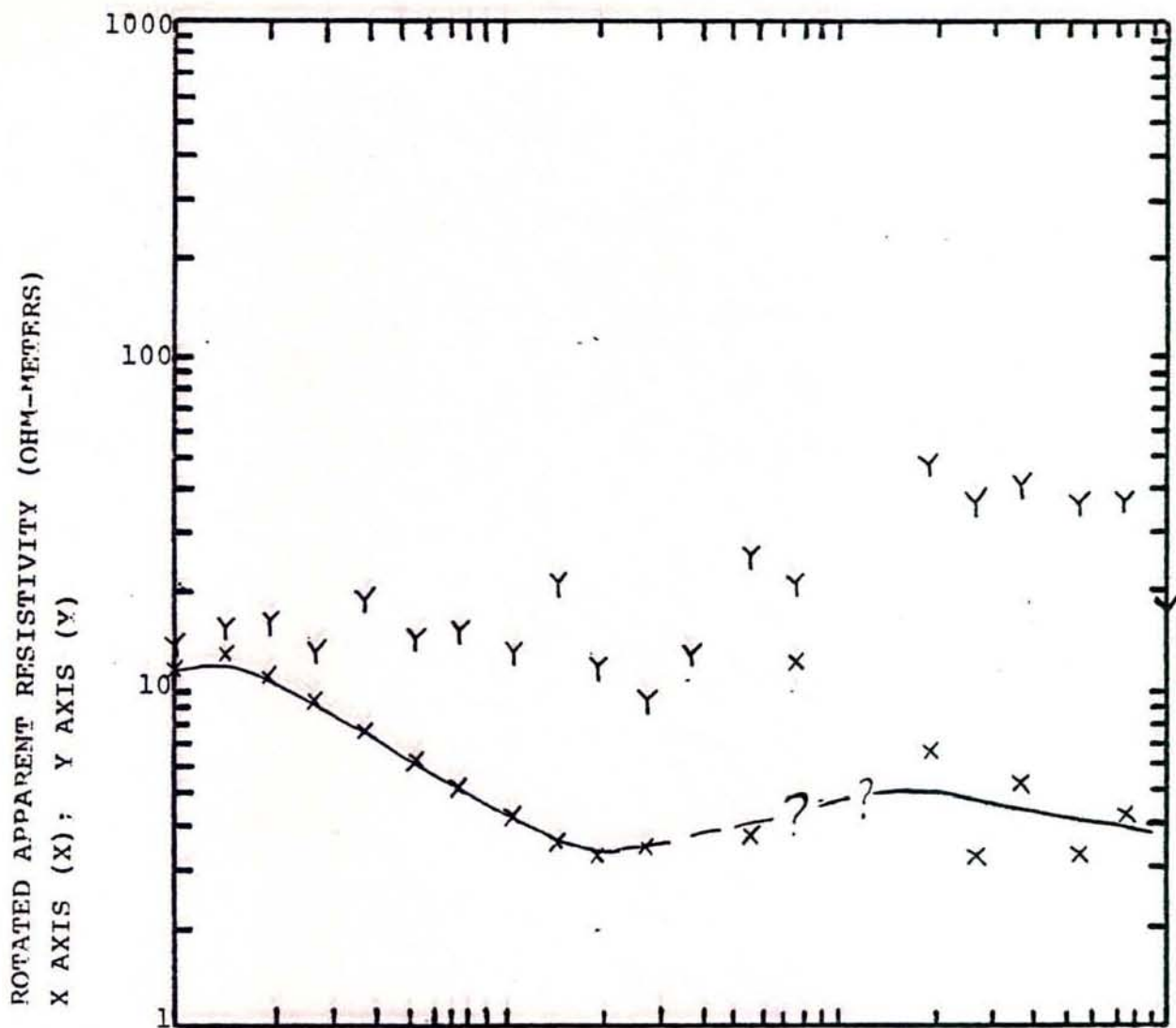
McCOY, NEVADA

STATION A7



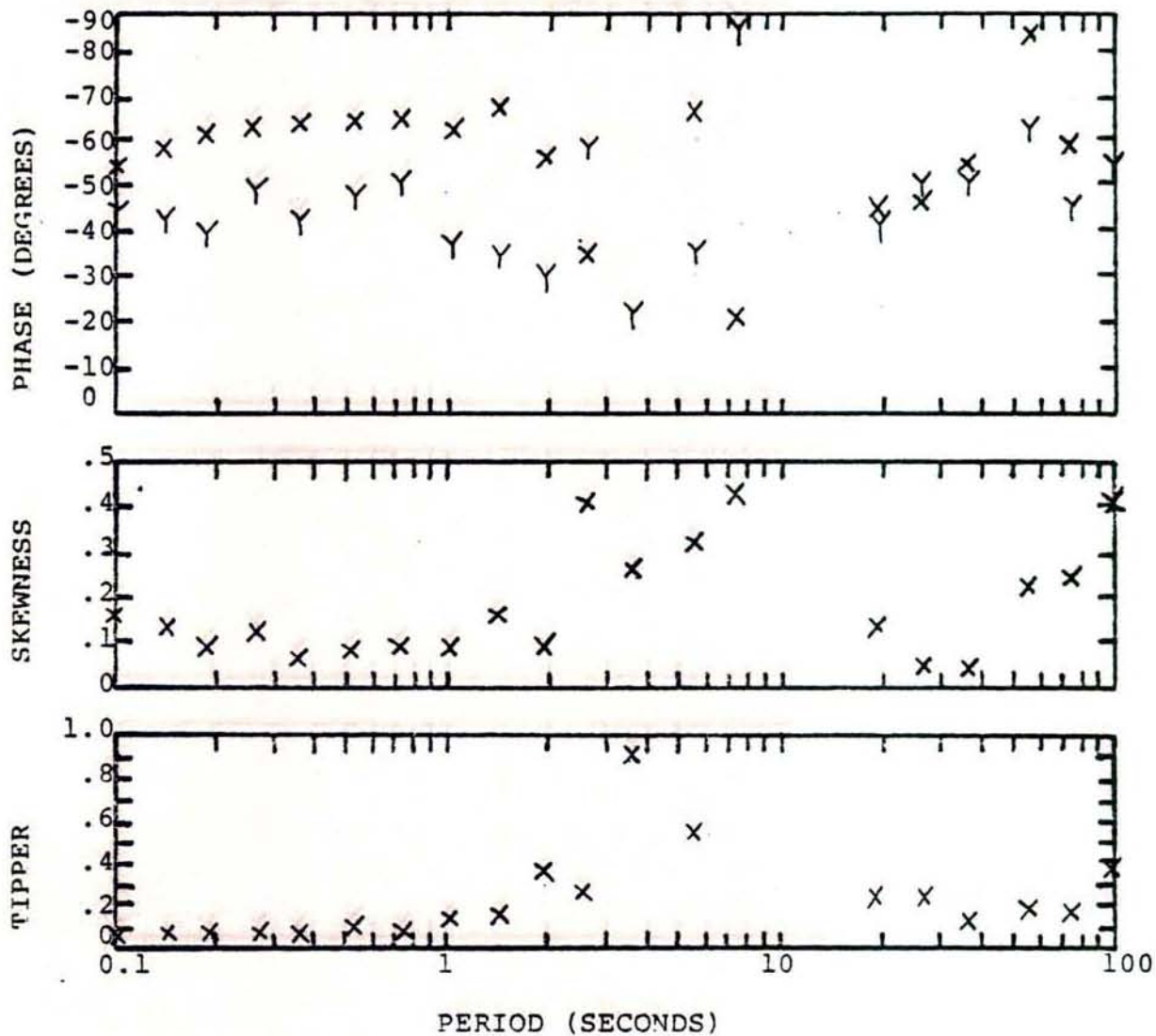
McCOY, NEVADA

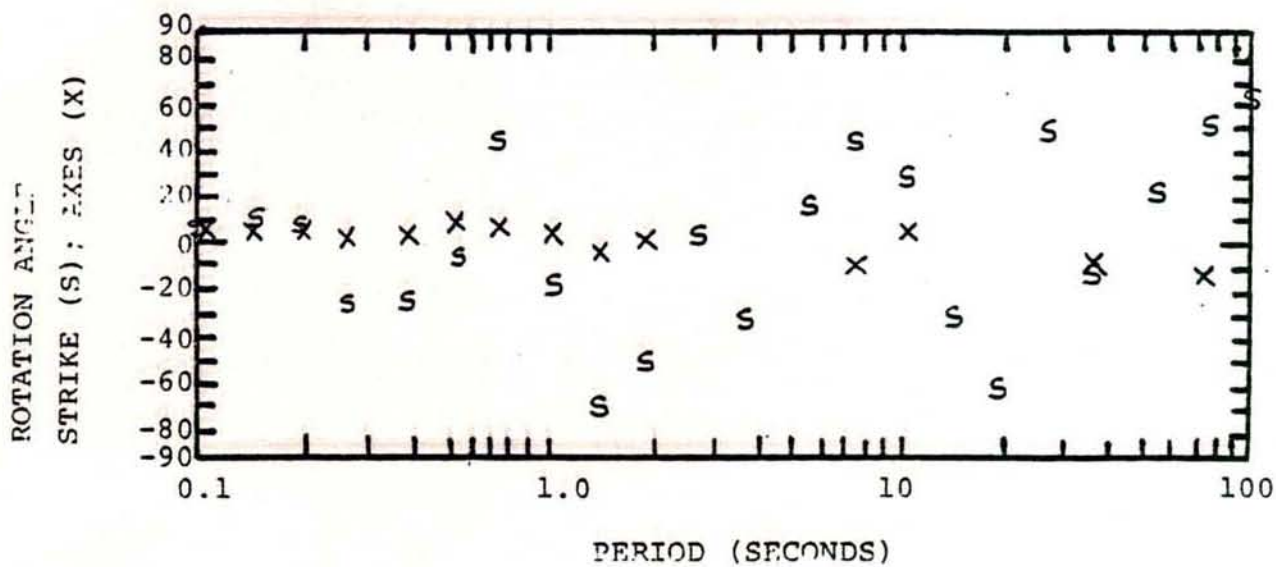
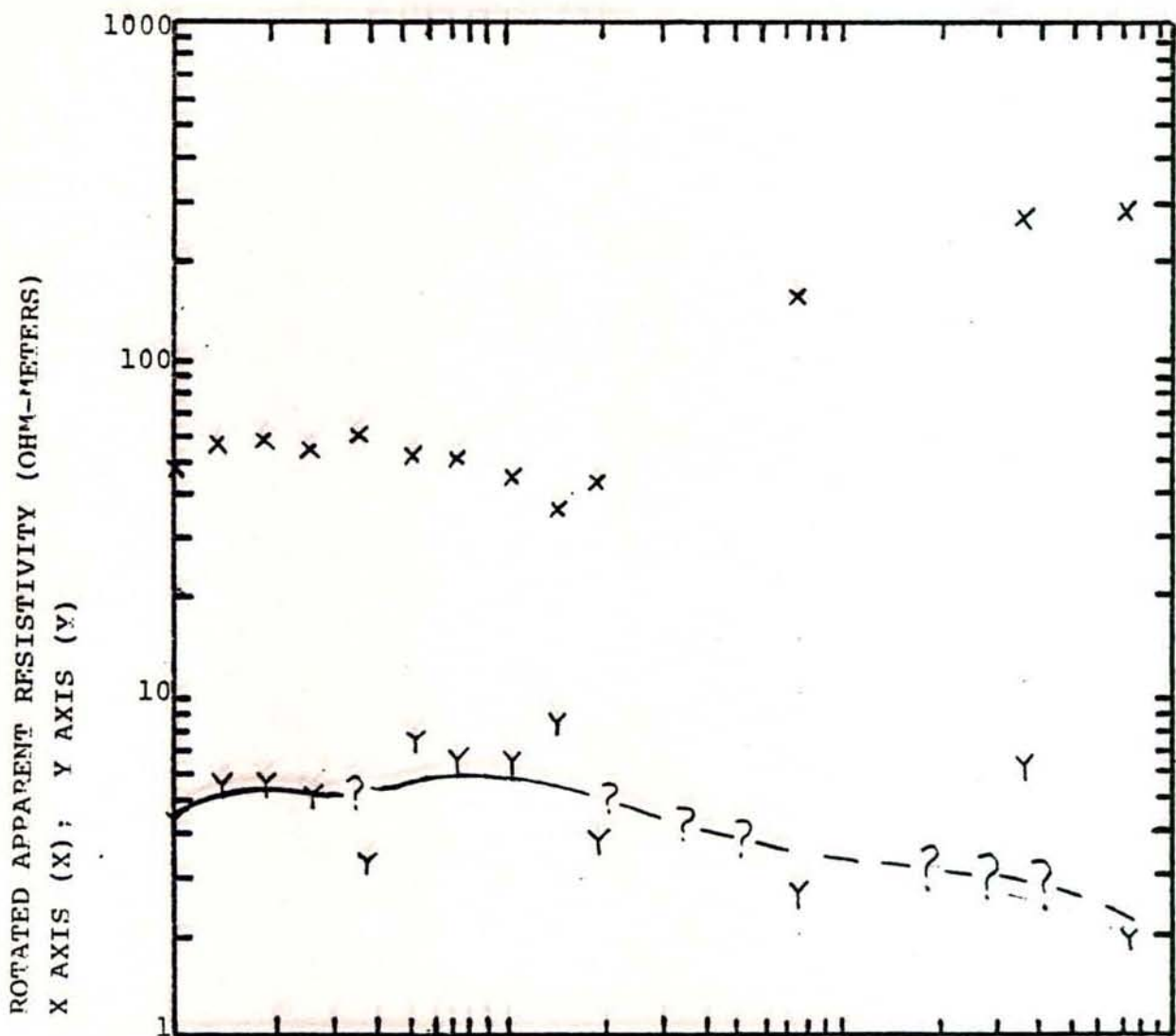
STATION B7



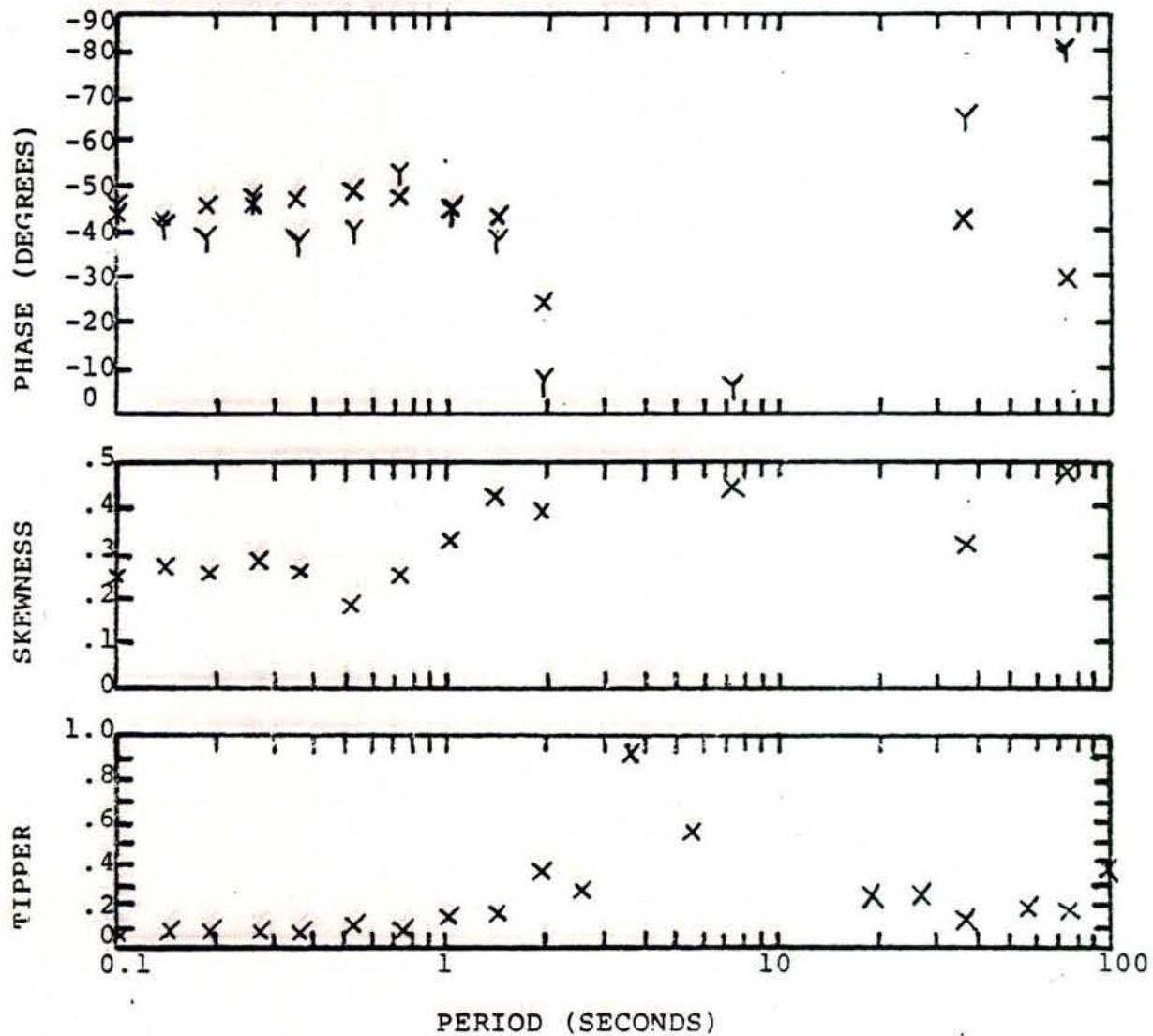


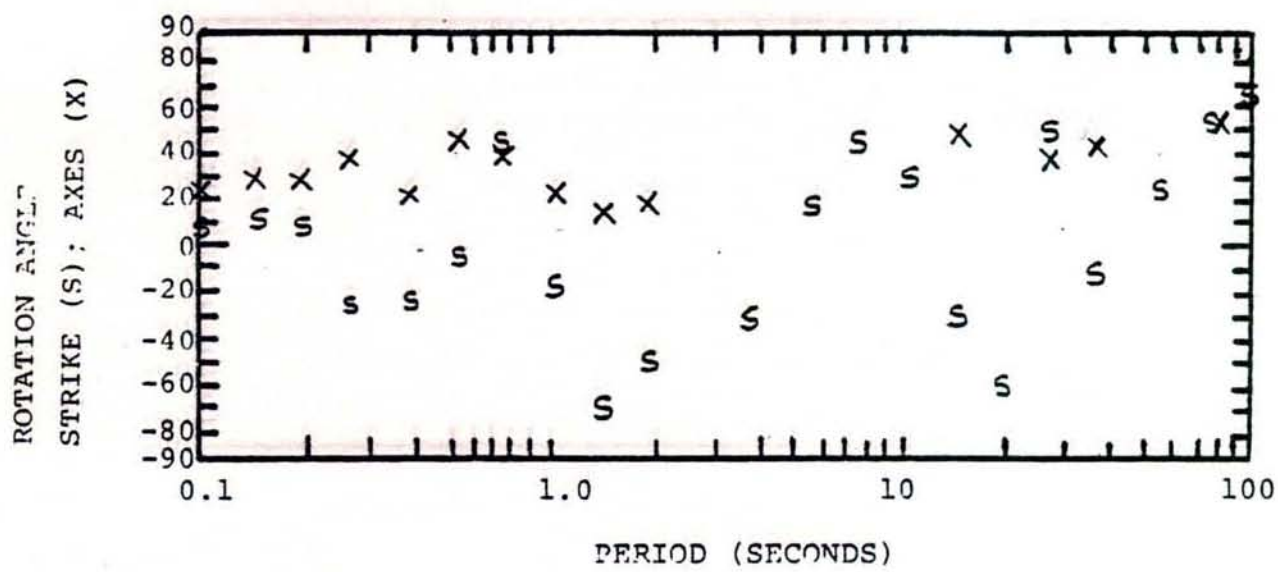
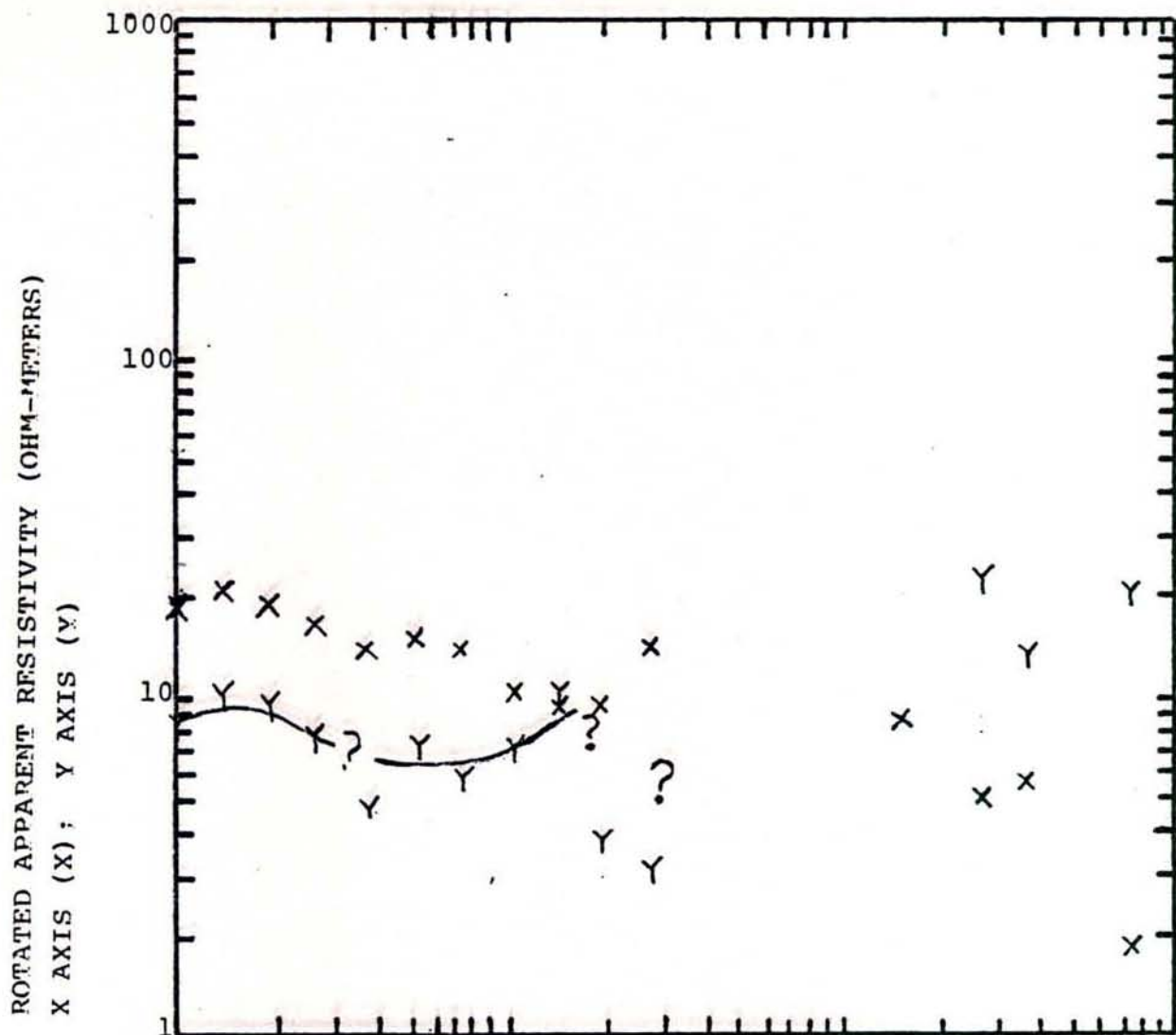
McCOY, NEVADA

STATION M8



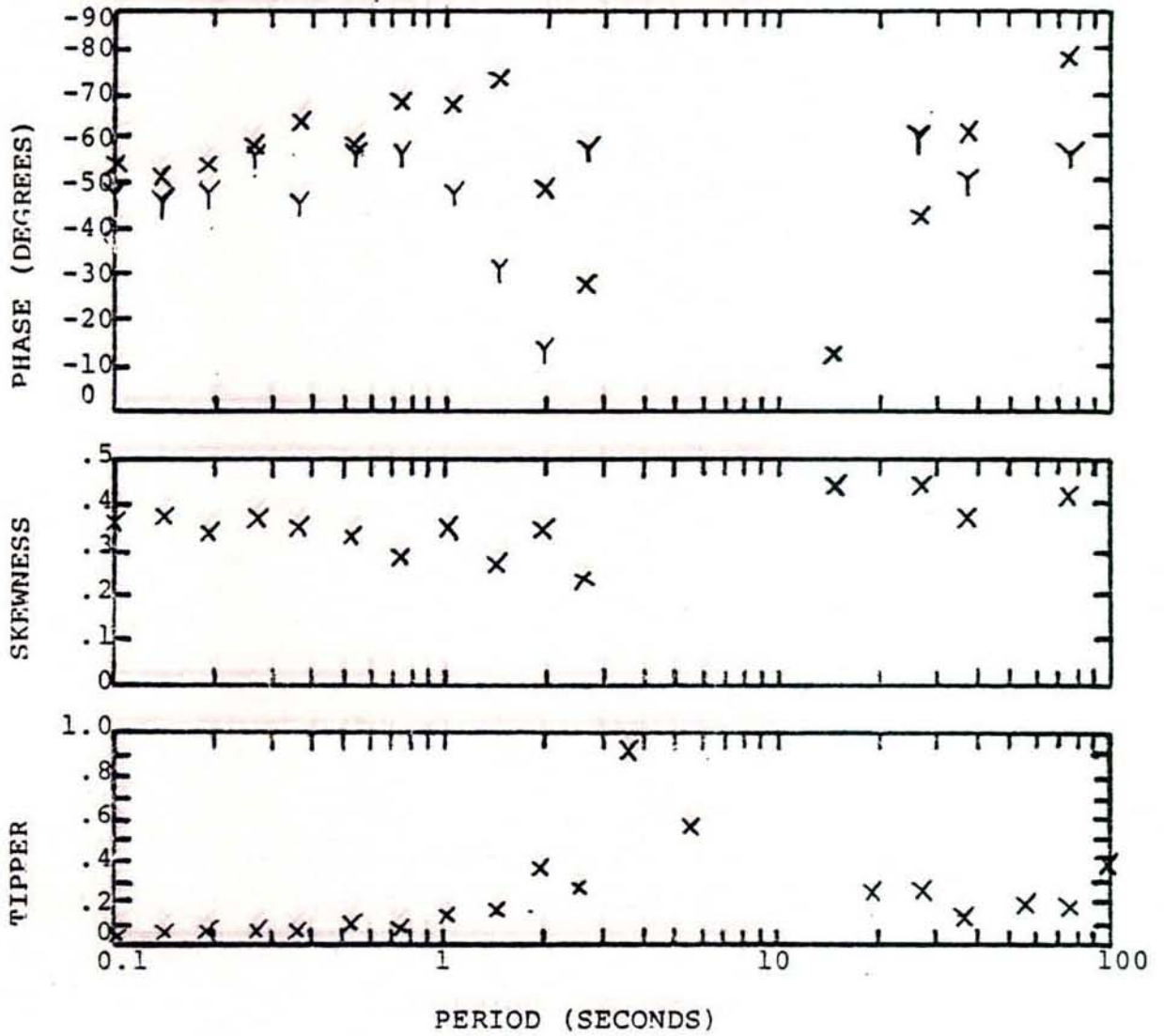
MCCOY, NEVADA

STATION A8



PERIOD (SECONDS)

MCCOY, NEVADA

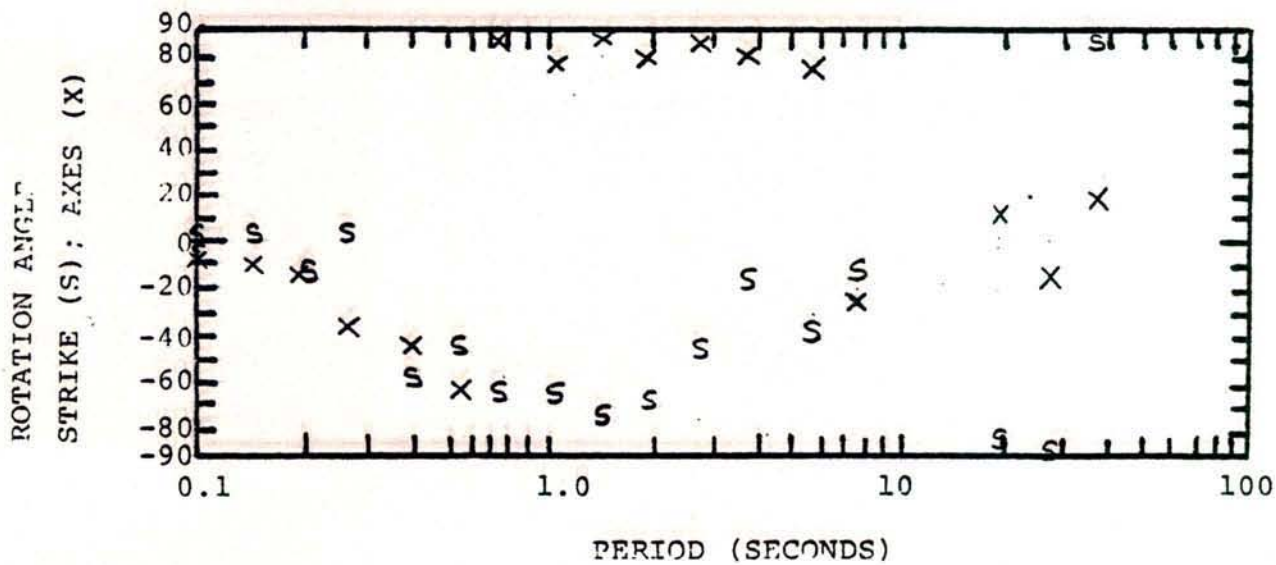
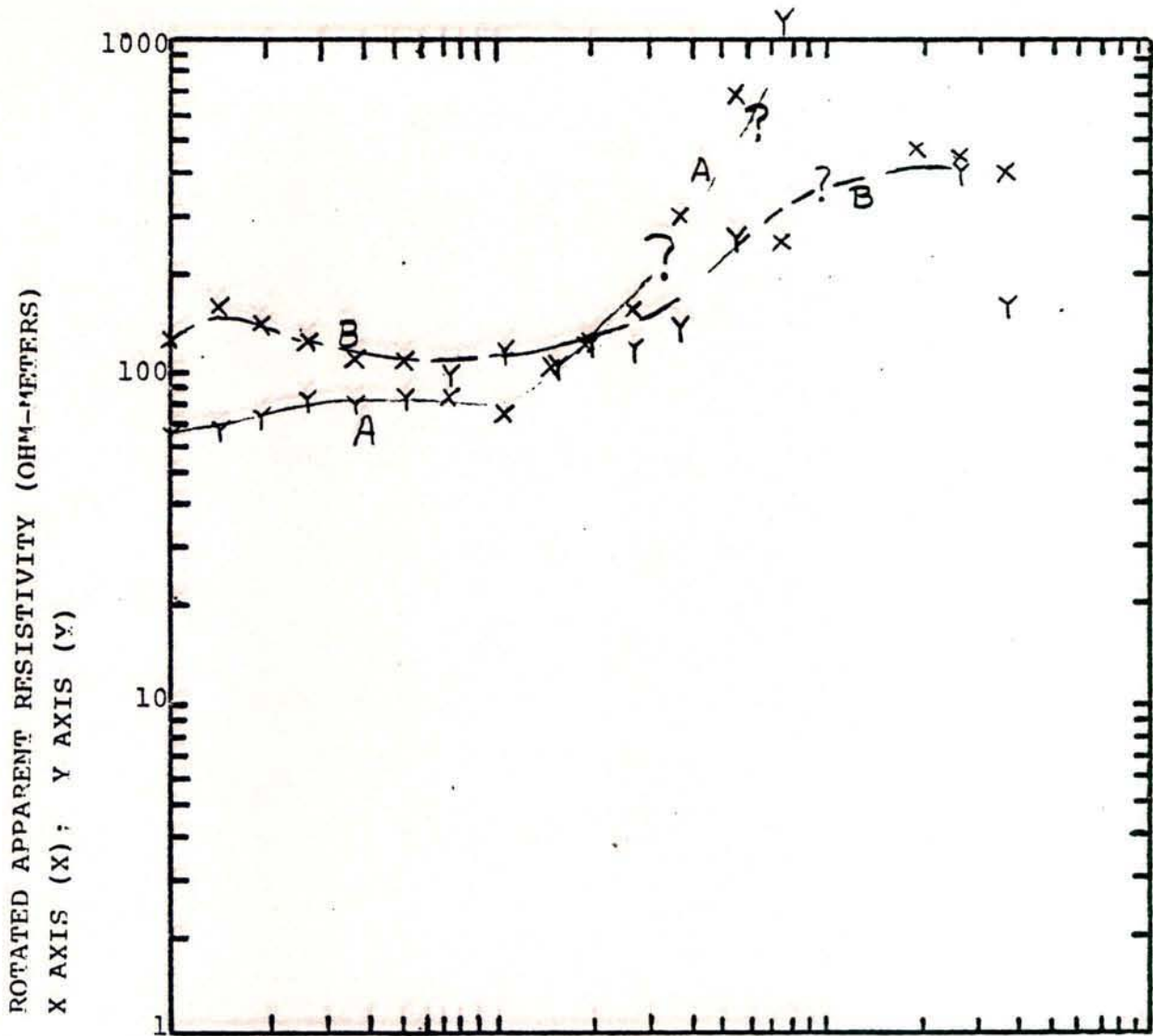
STATION B8

PROSPECT McCOY, NEVADA

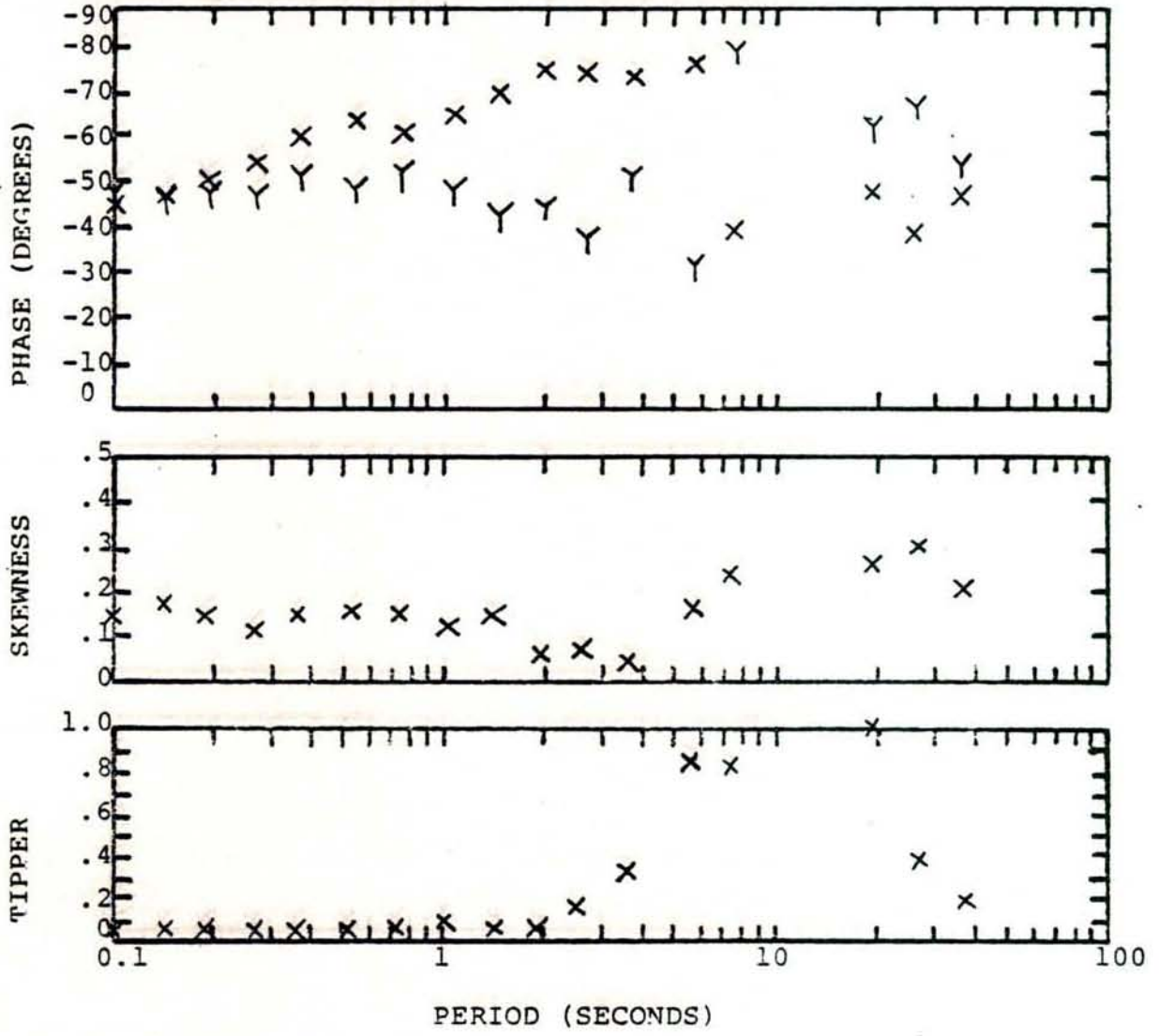
STATION M9

Y

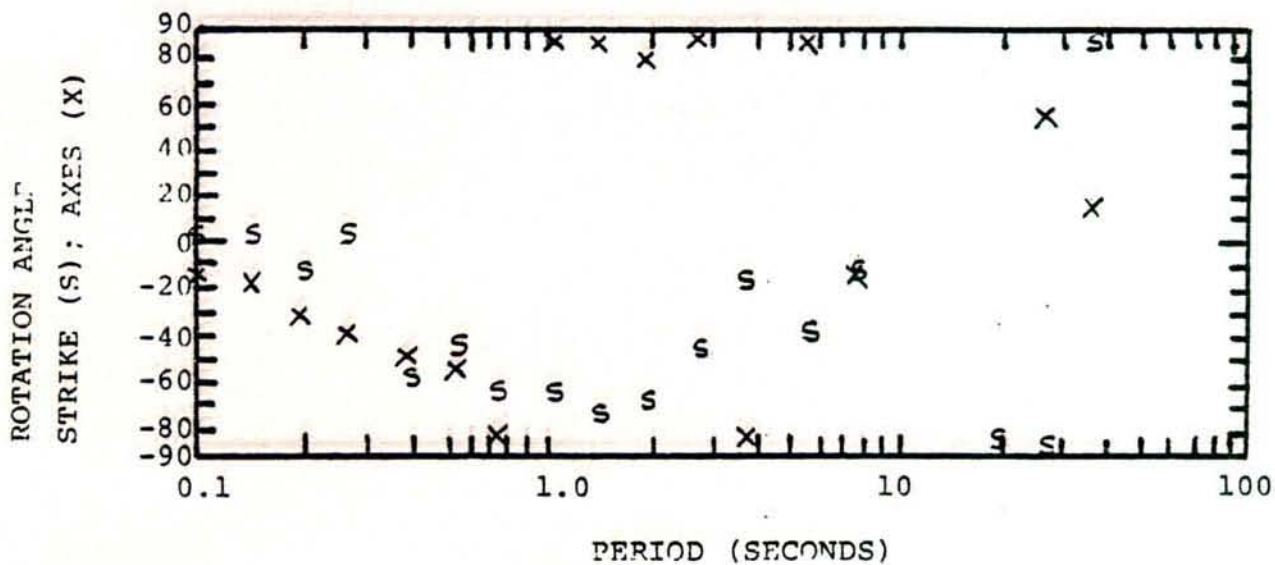
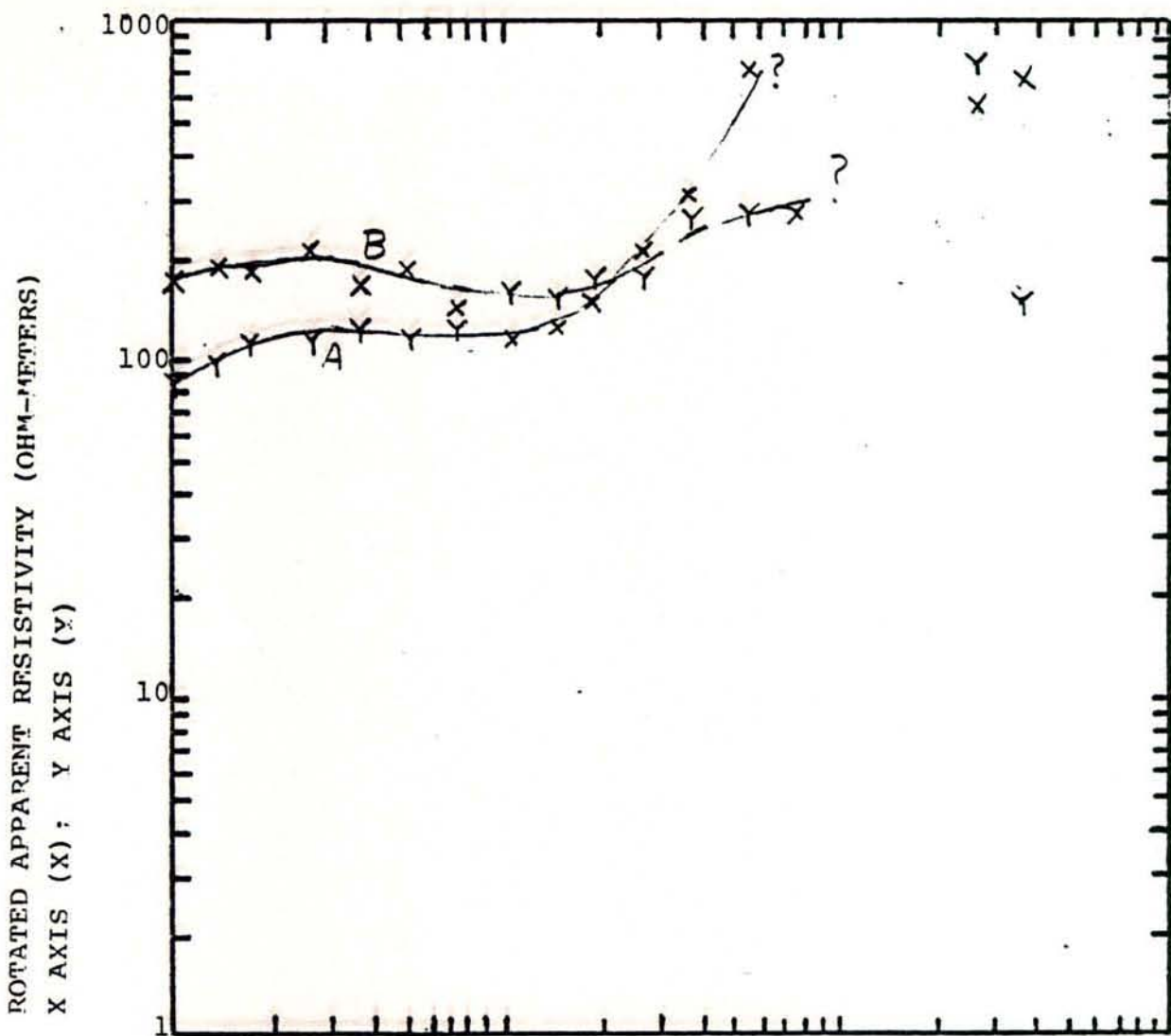
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MCCOY, NEVADA  
 STATION M9

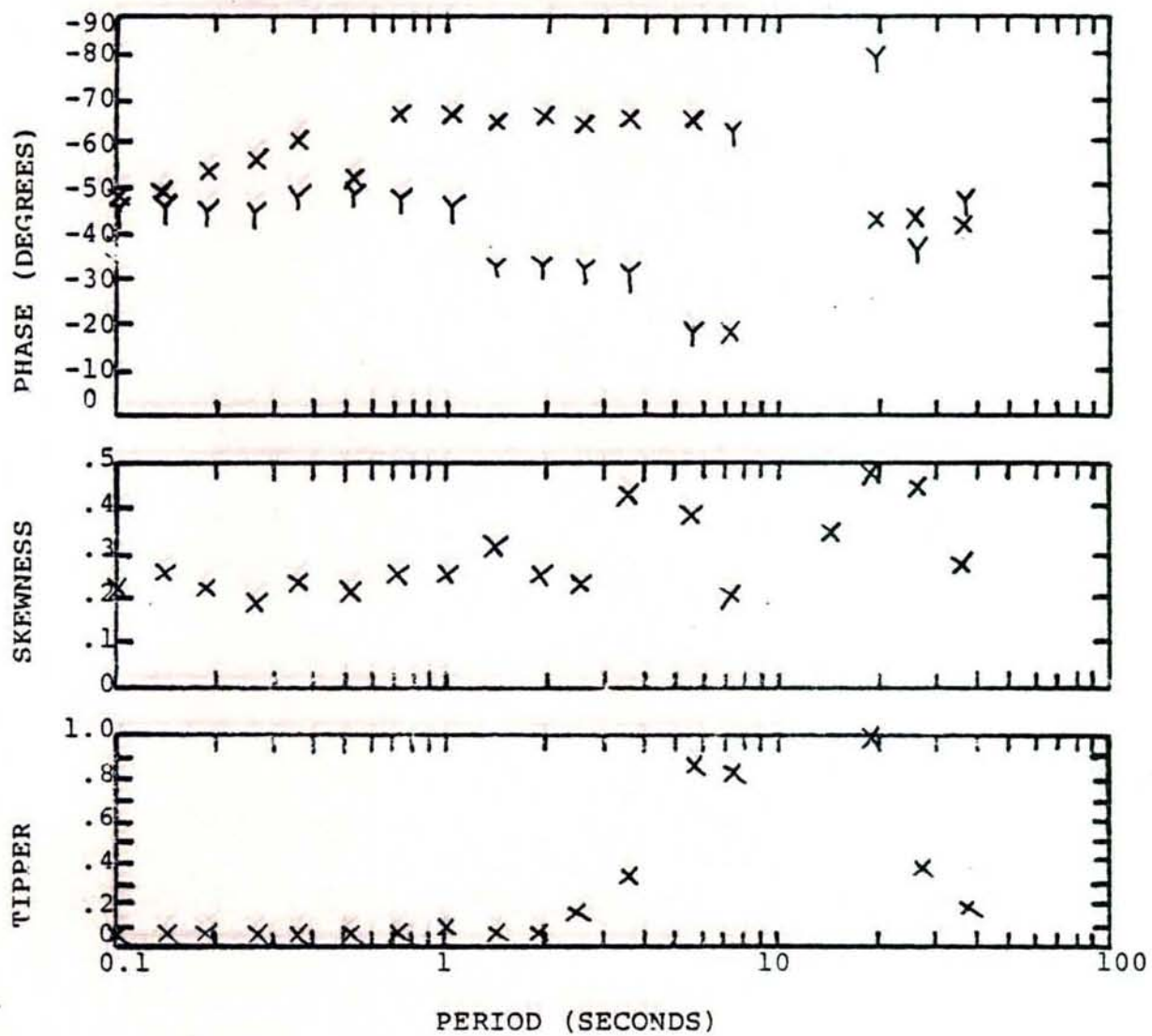


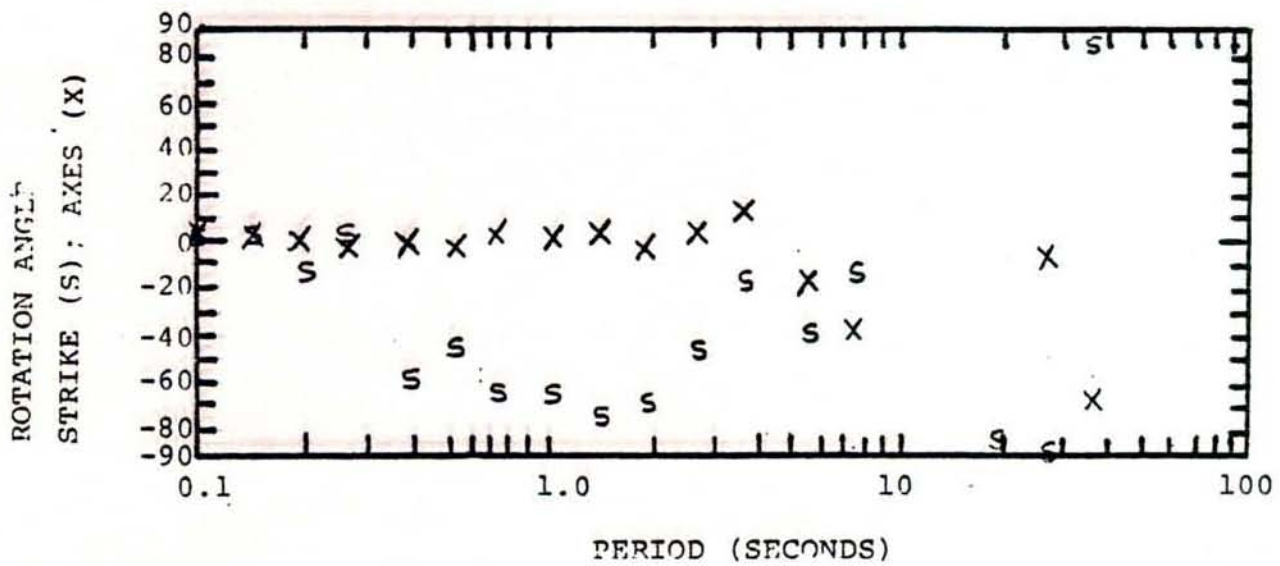
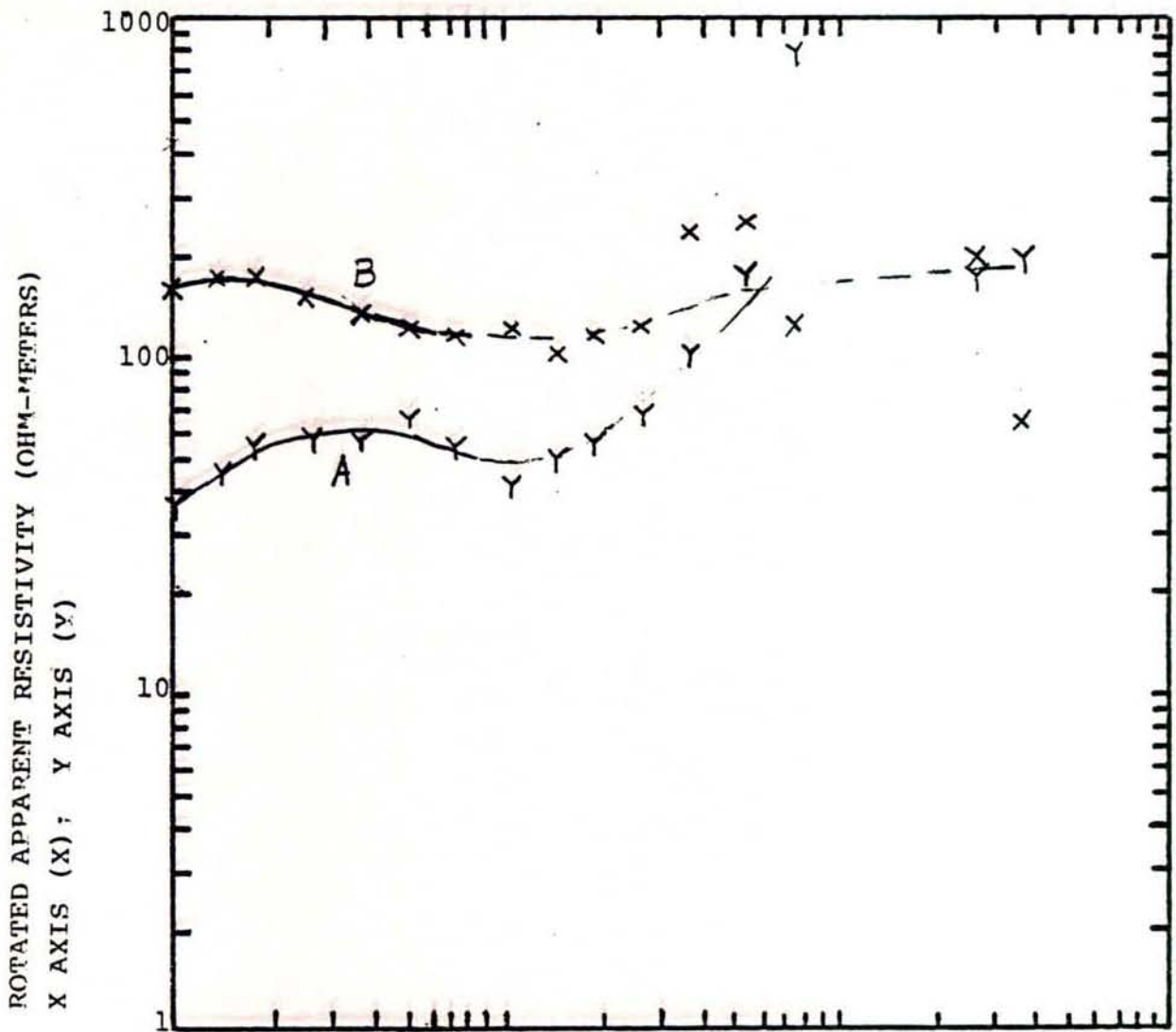
Y



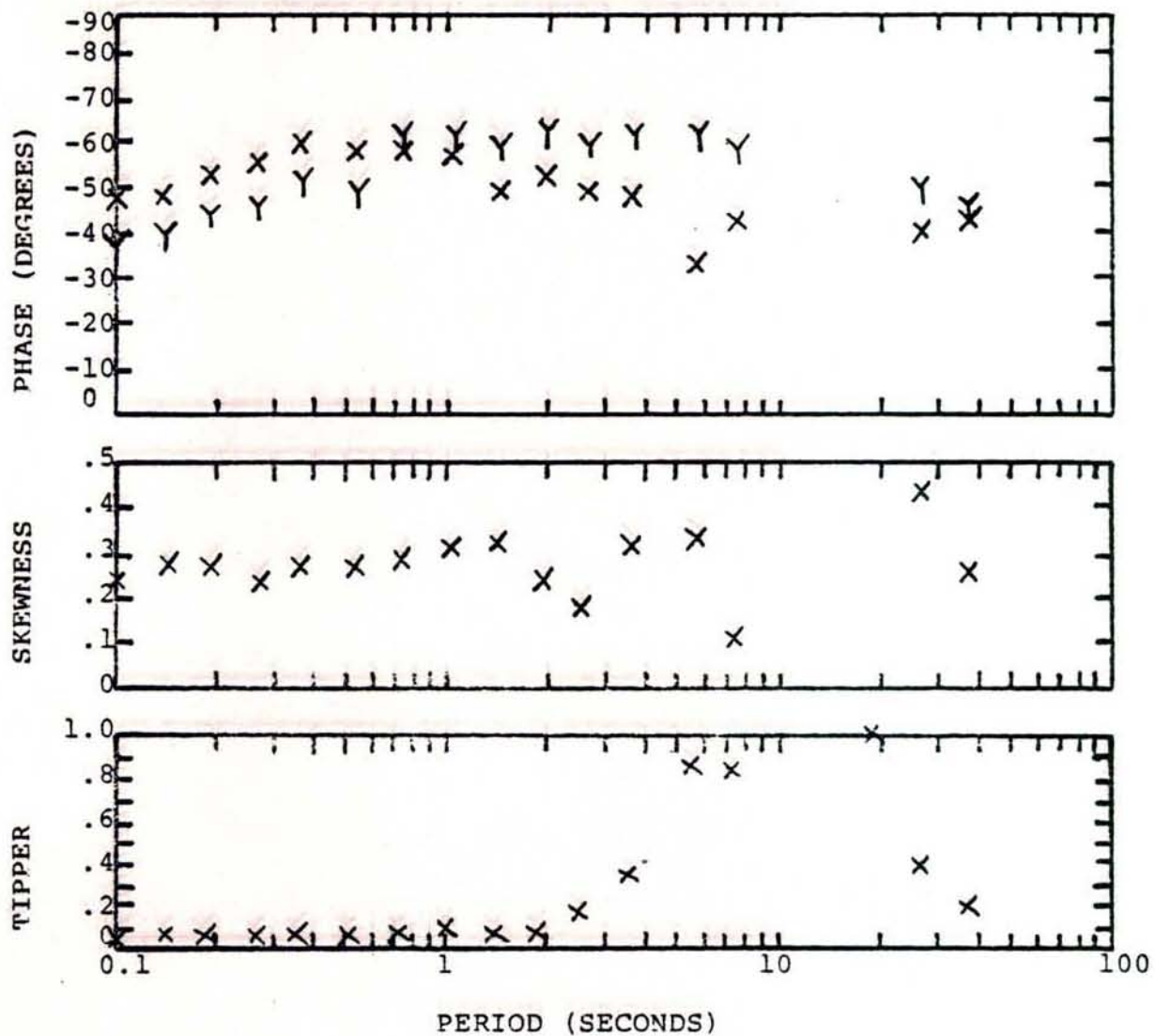


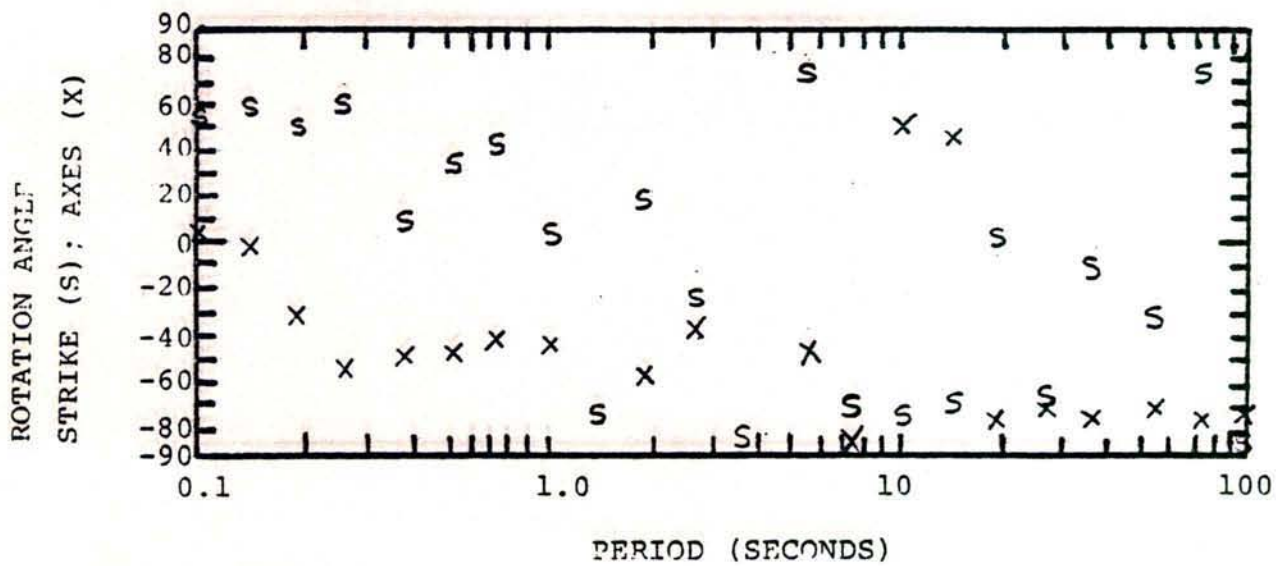
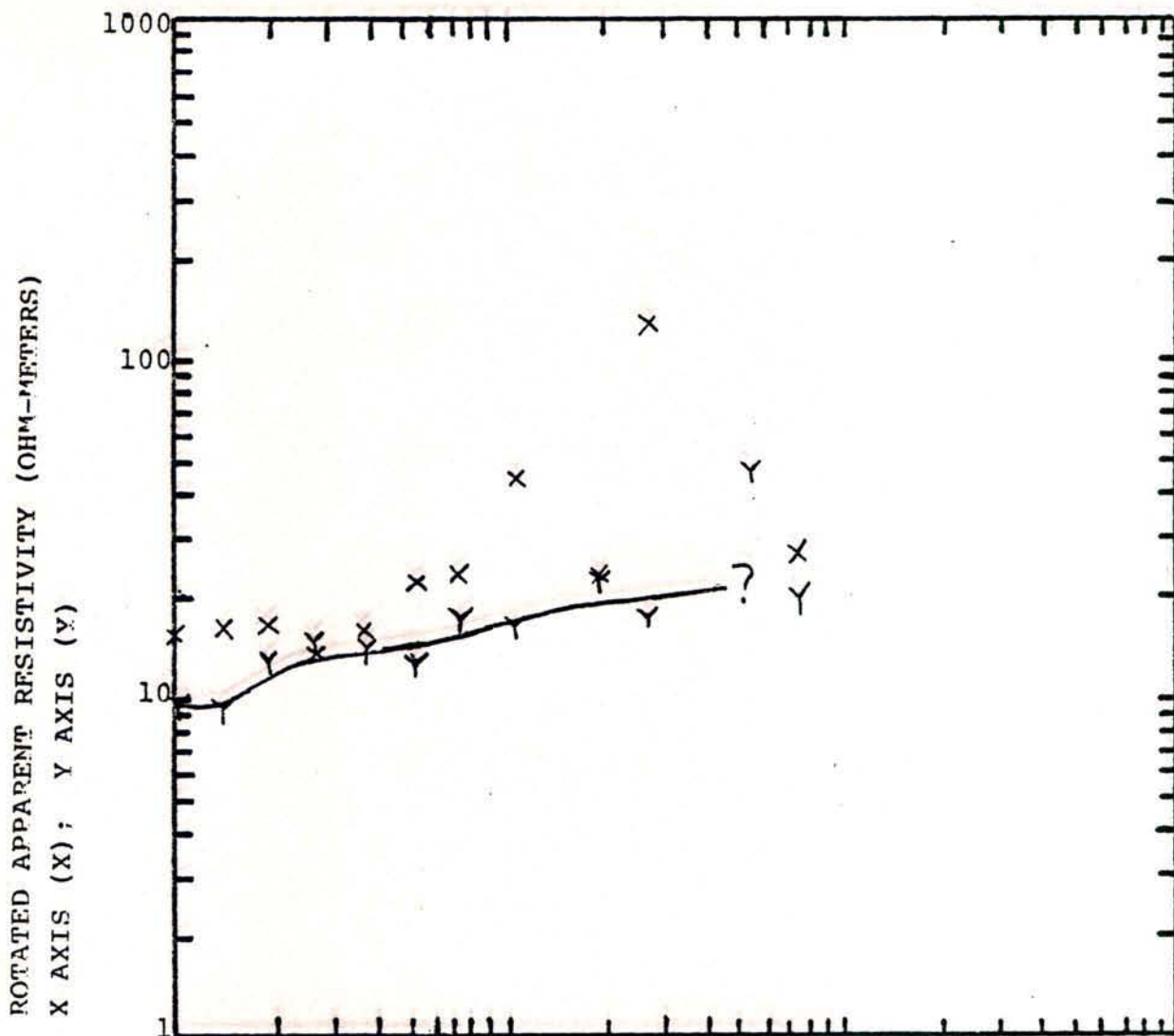
MCCOY, NEVADA

STATION A9

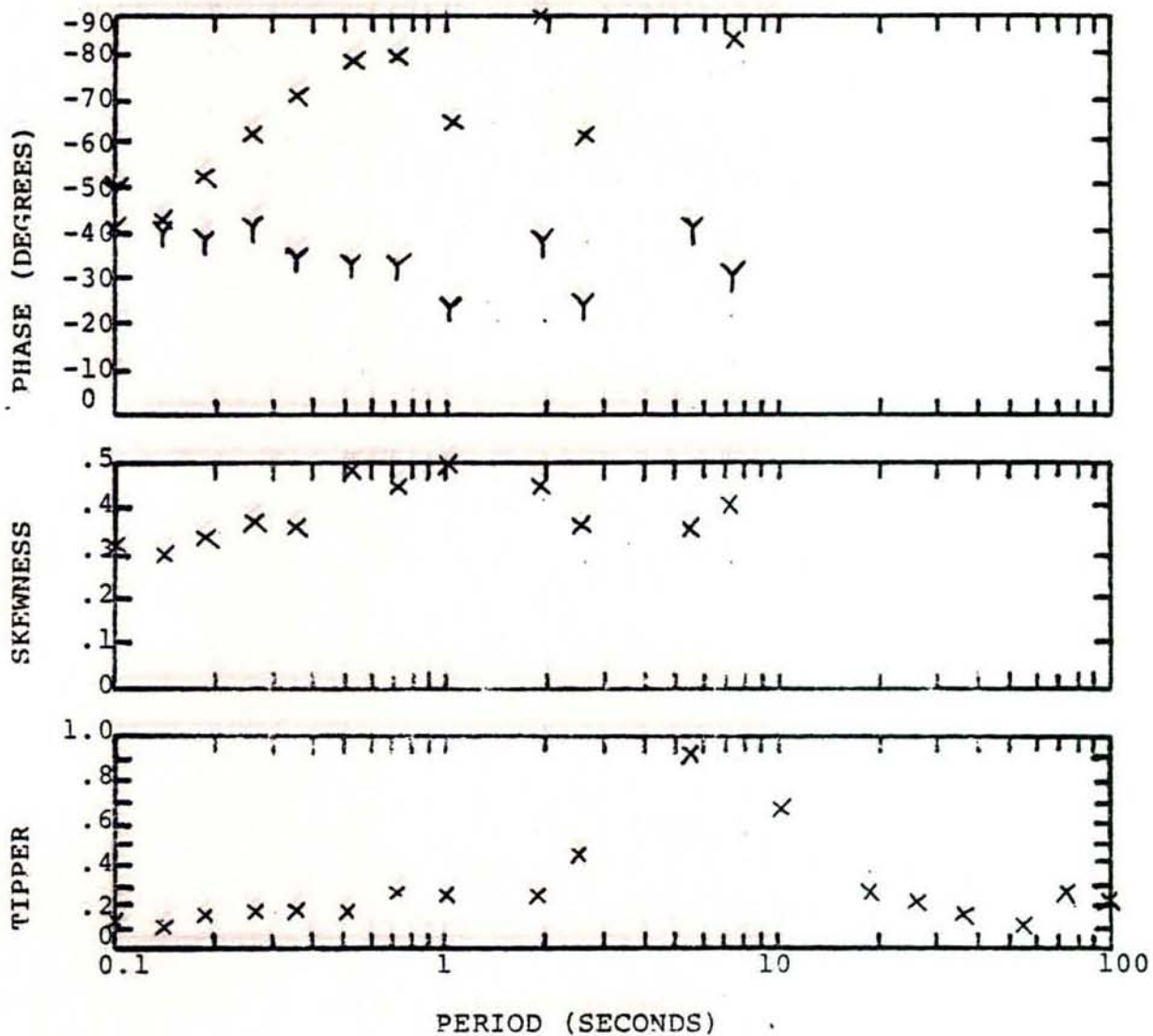


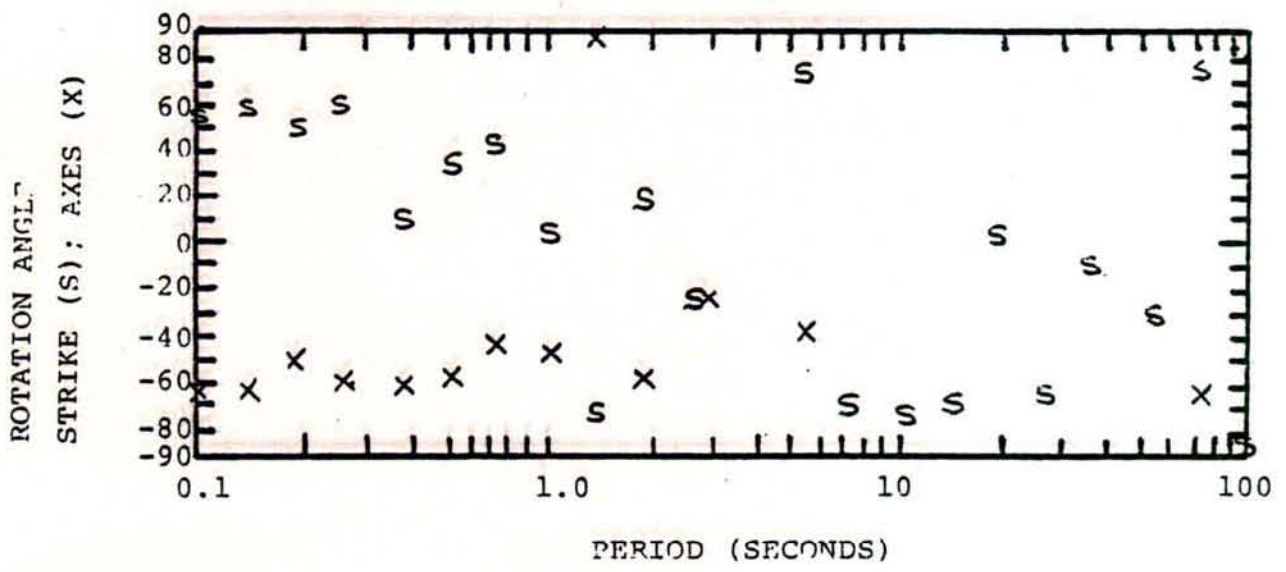
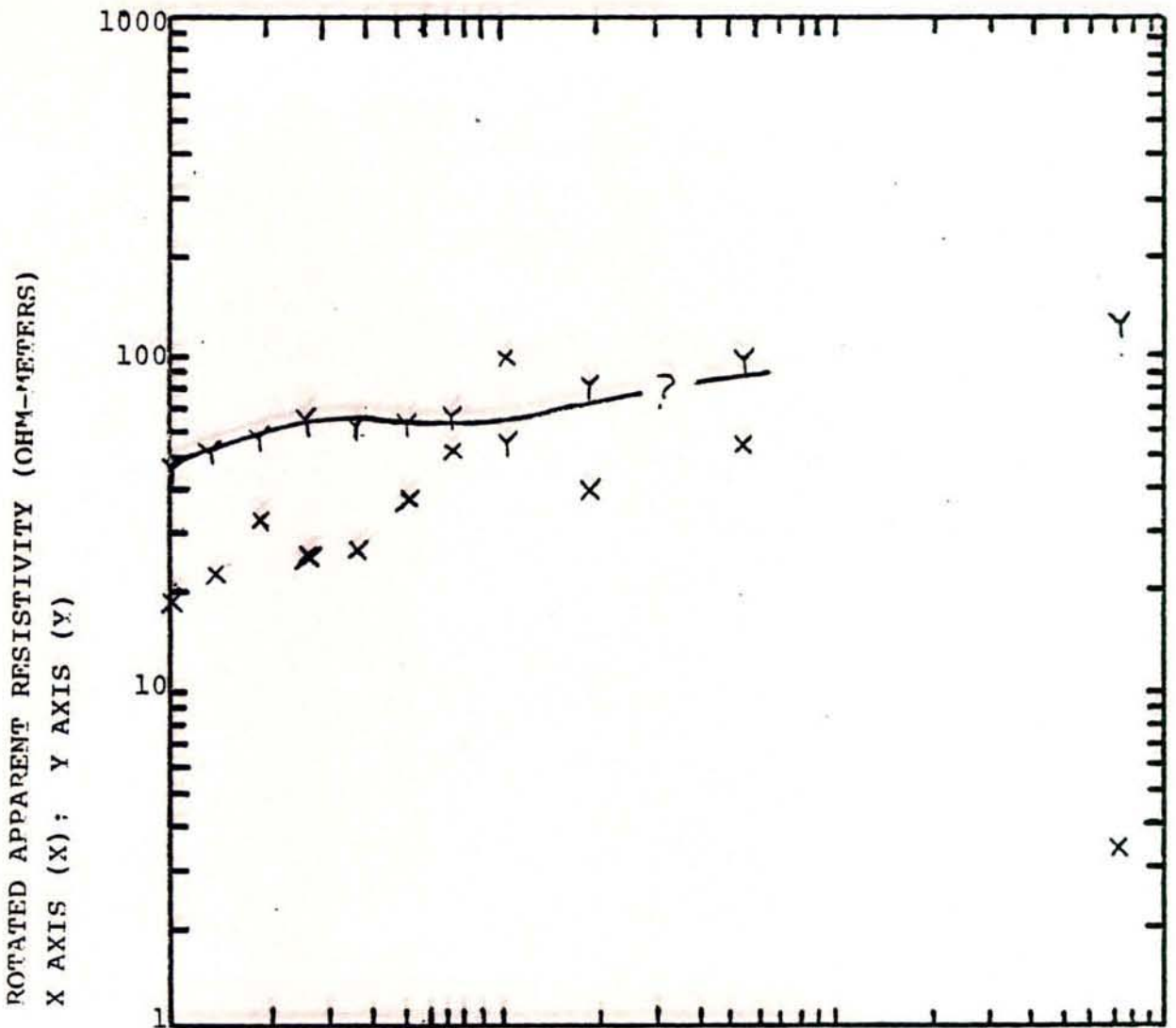
McCOY, NEVADA

STATION B9



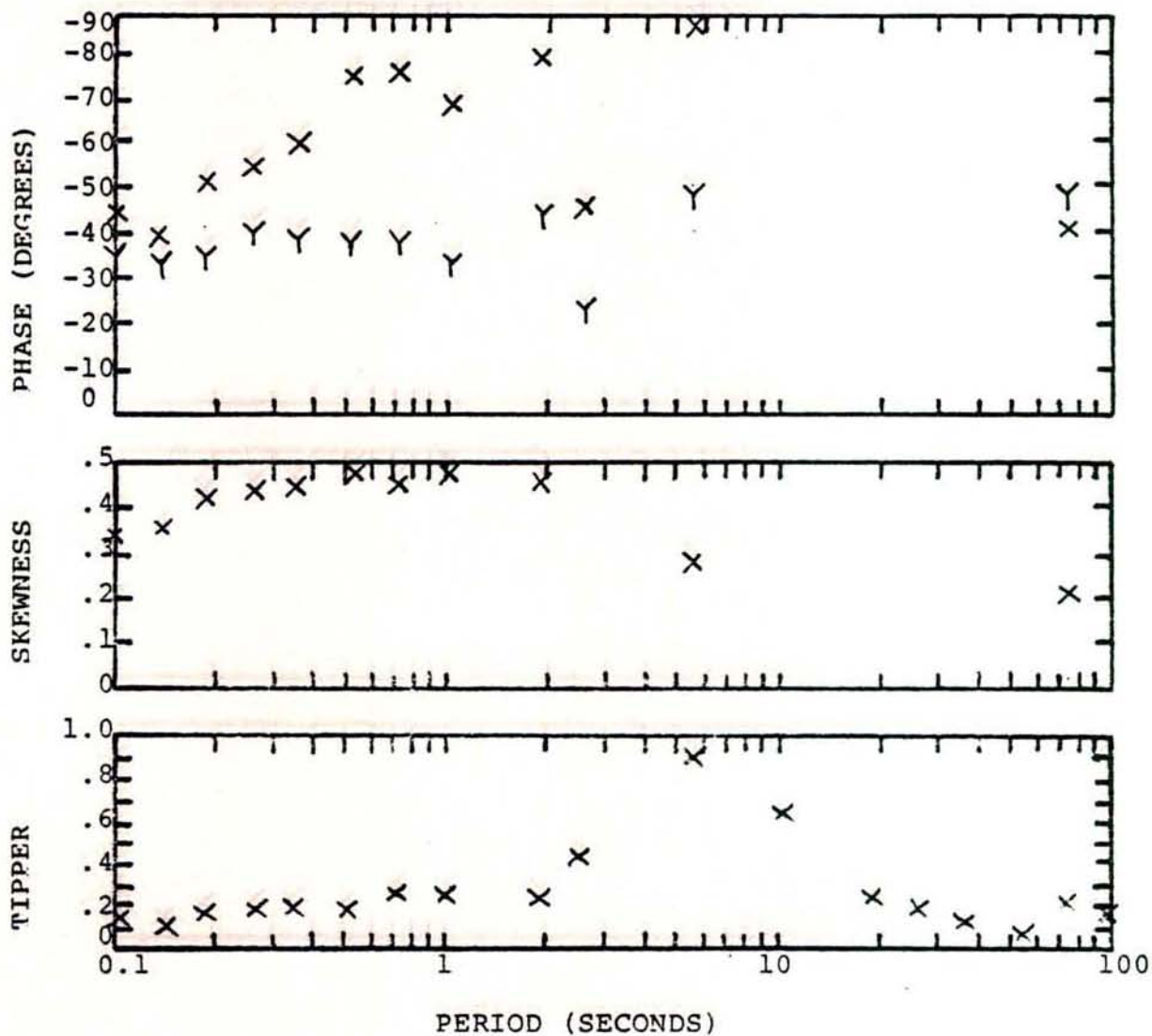
McCOY, NEVADA

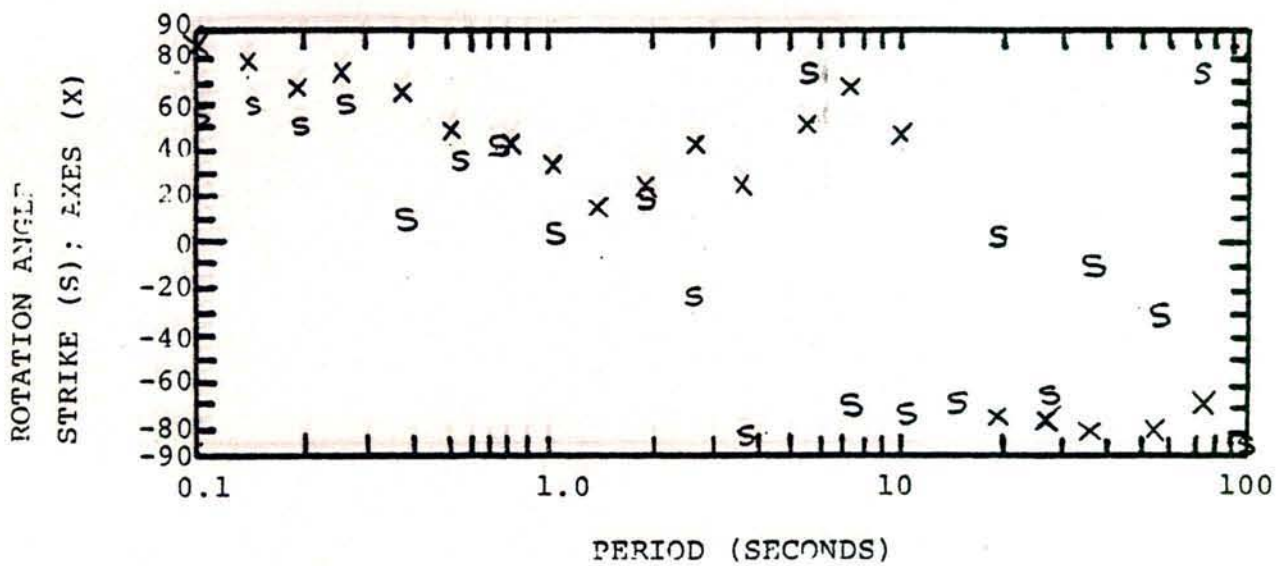
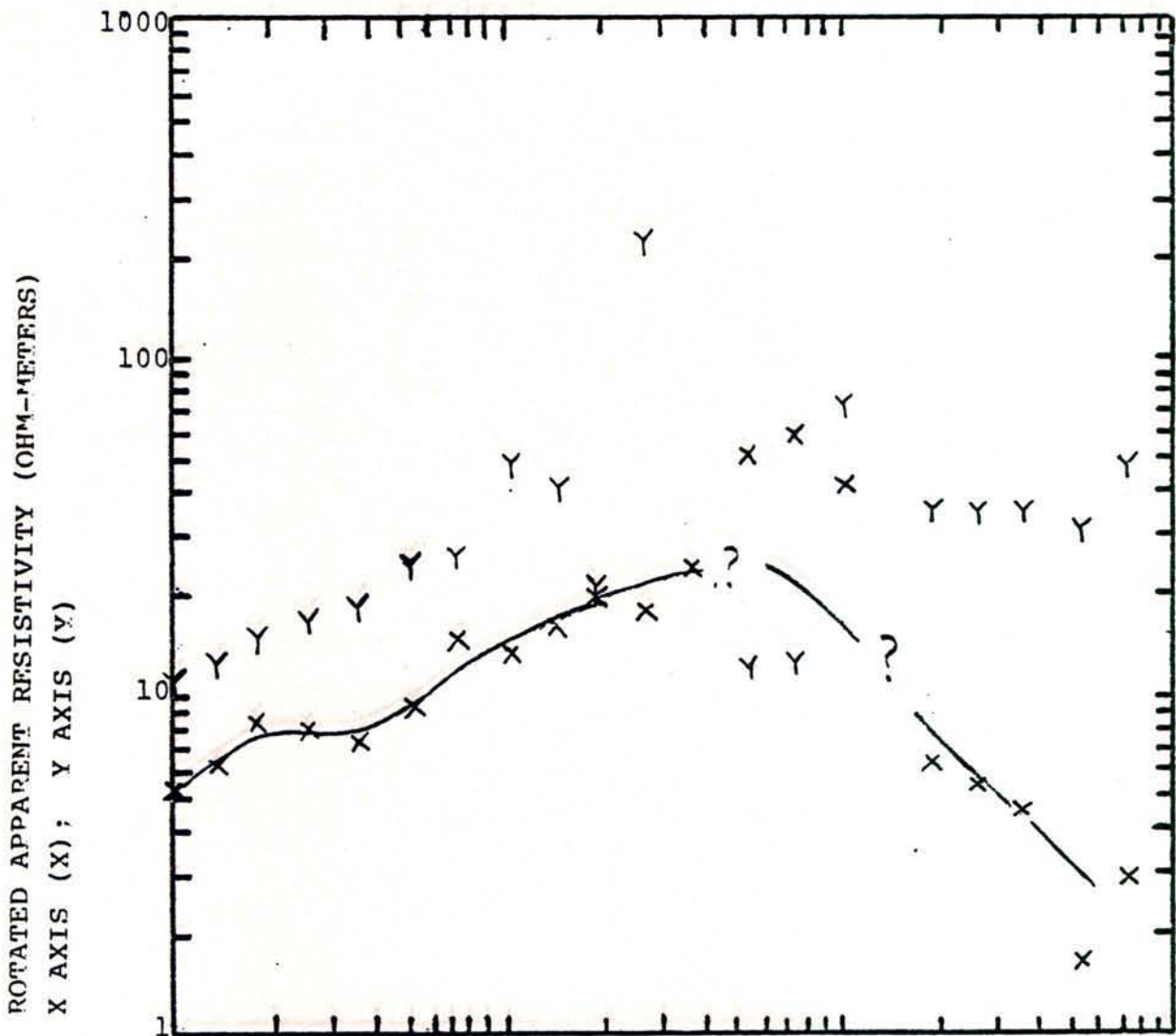
STATION M10



PERIOD (SECONDS)

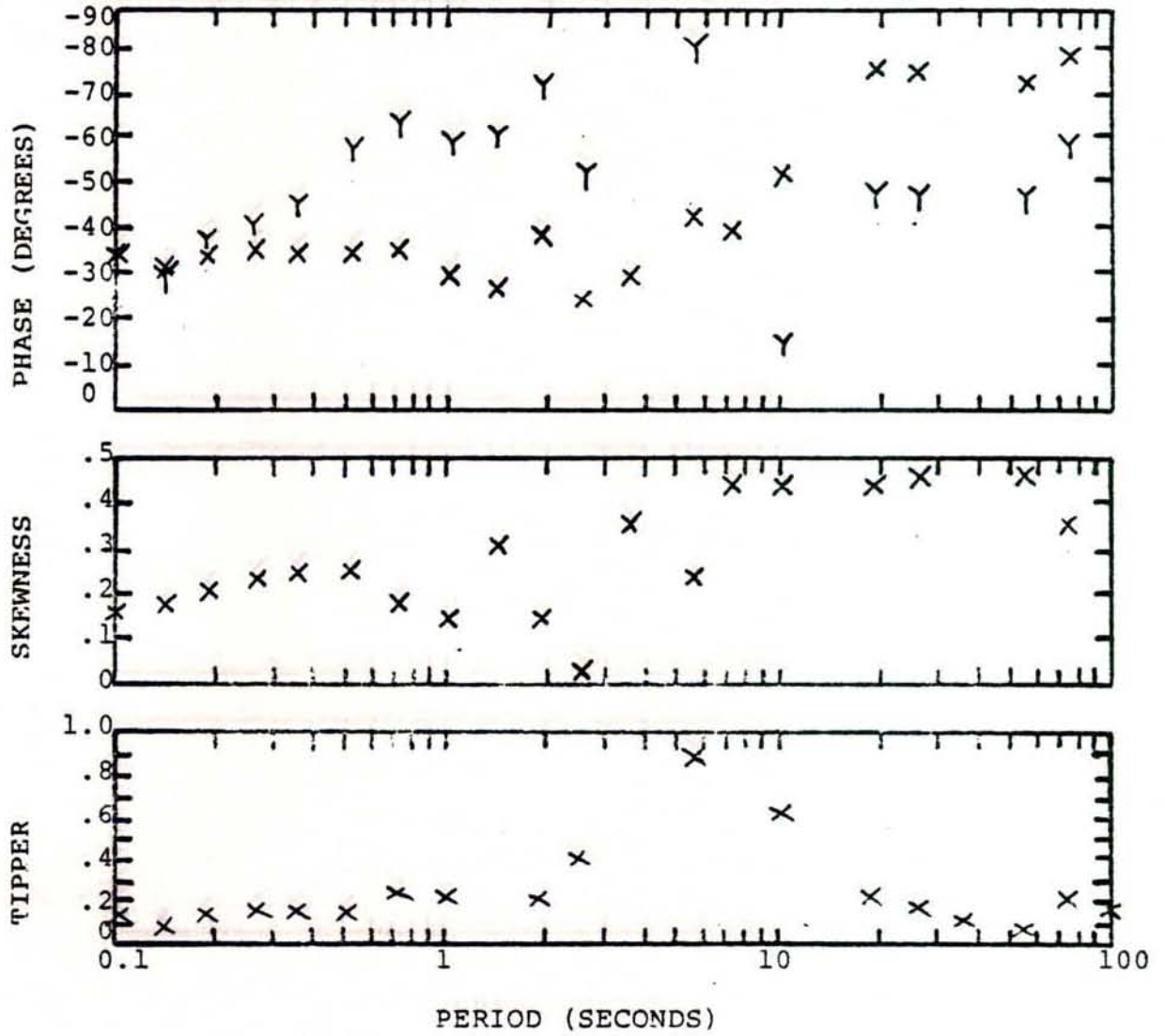
McCOY, NEVADA

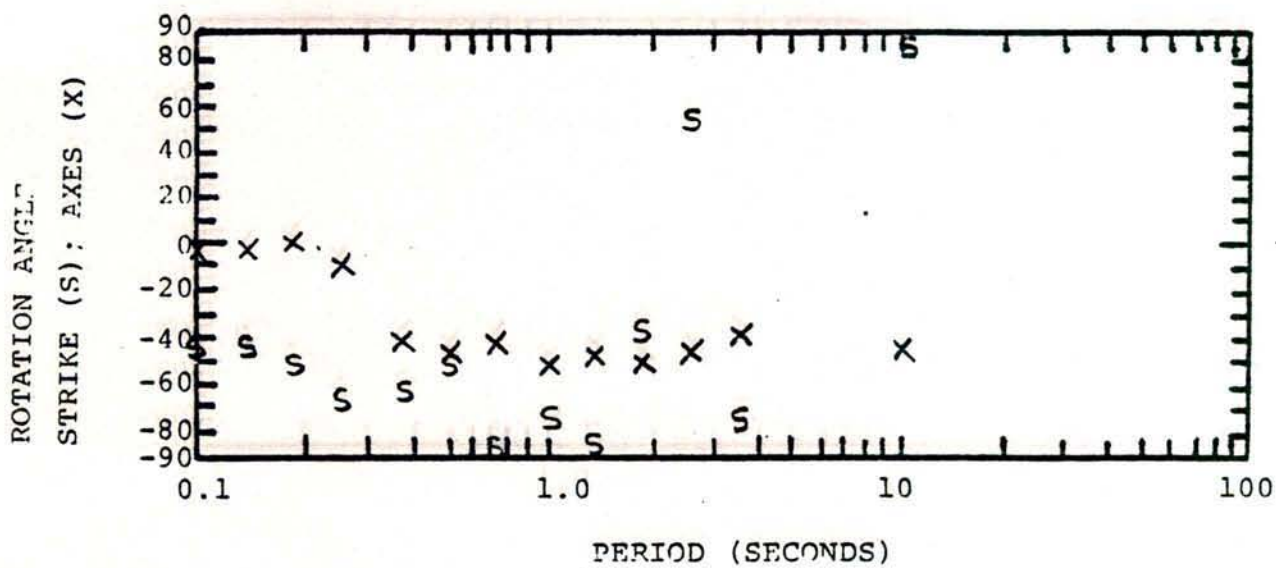
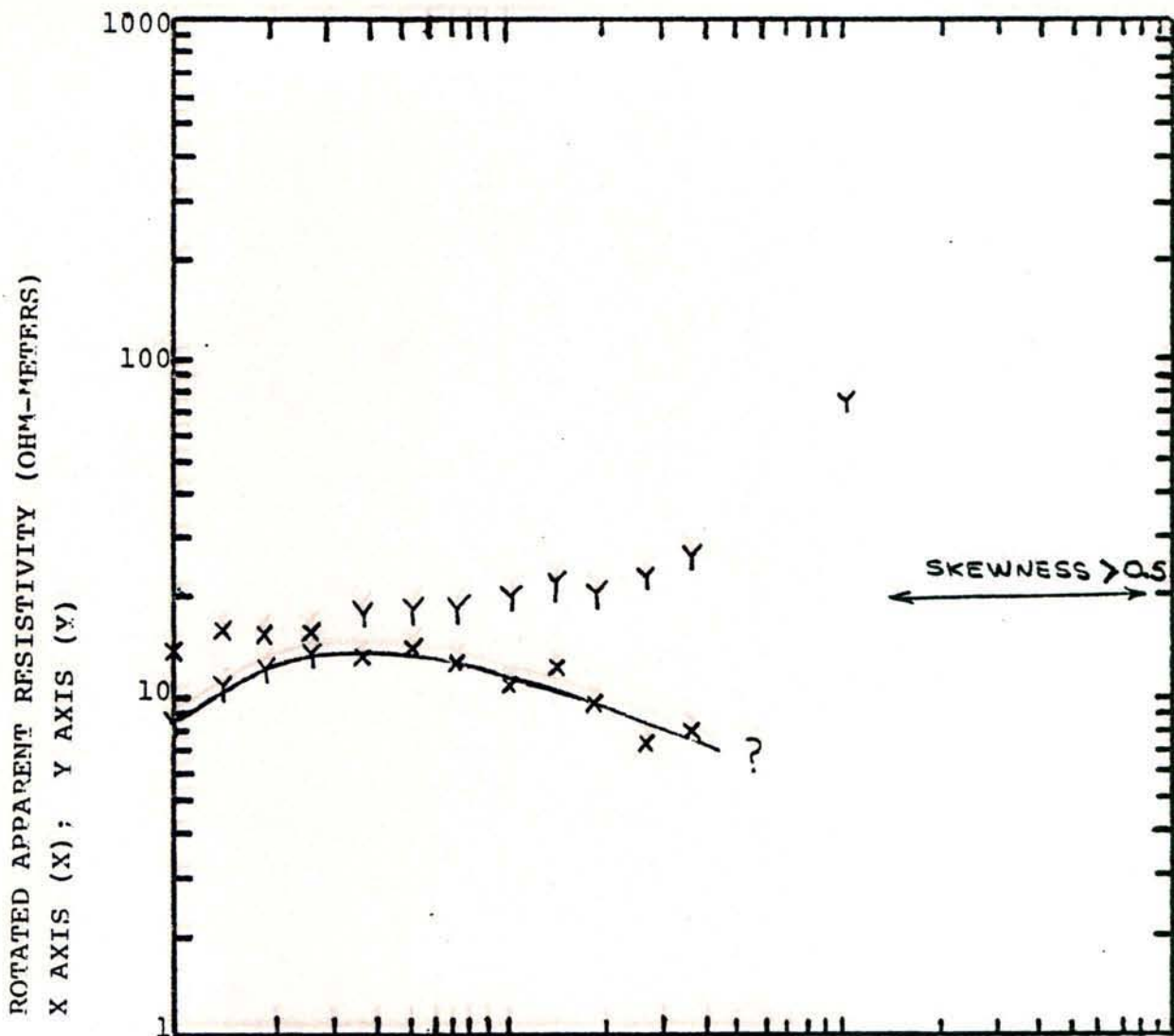
STATION A10



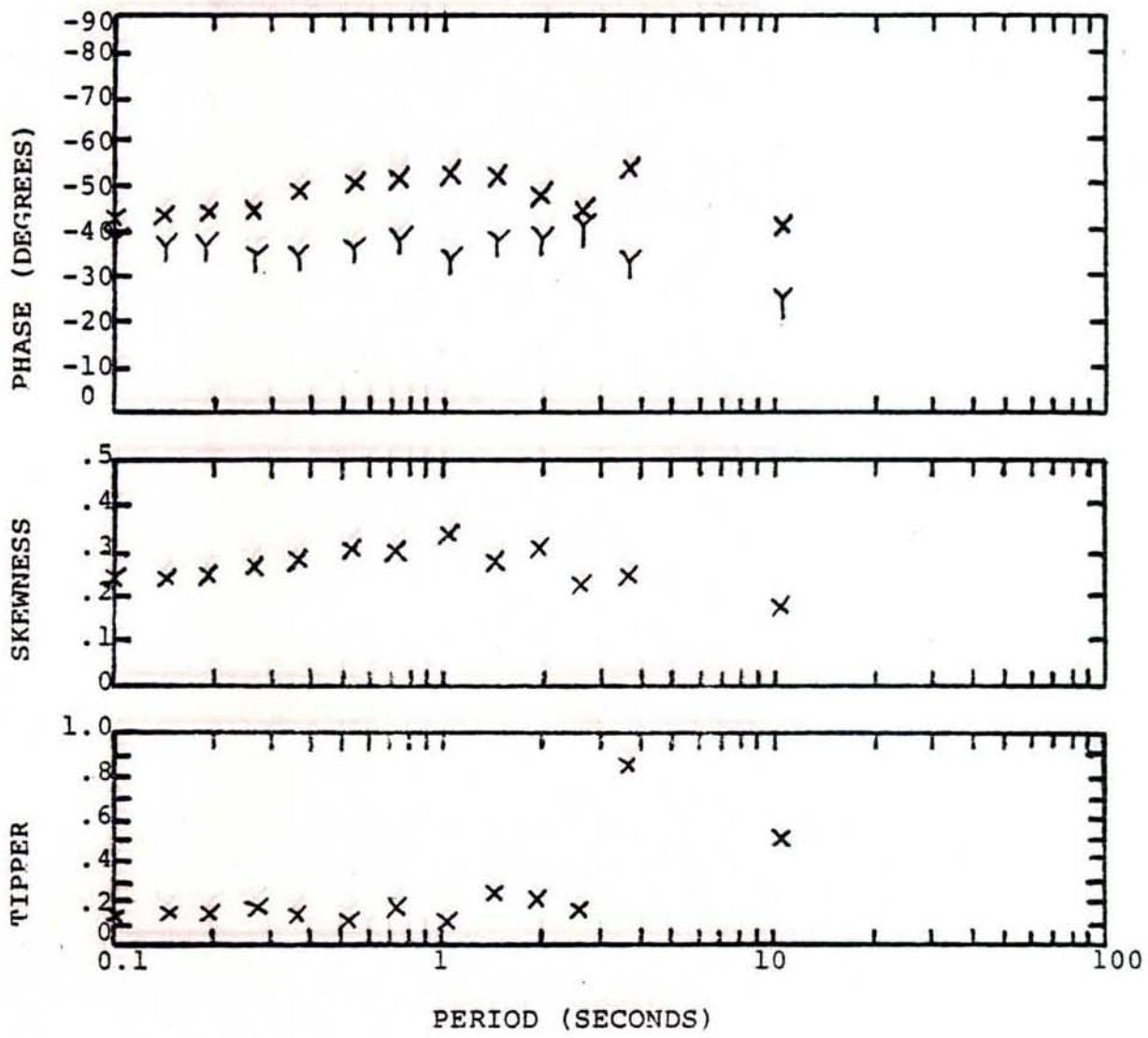


MCCOY, NEVADA

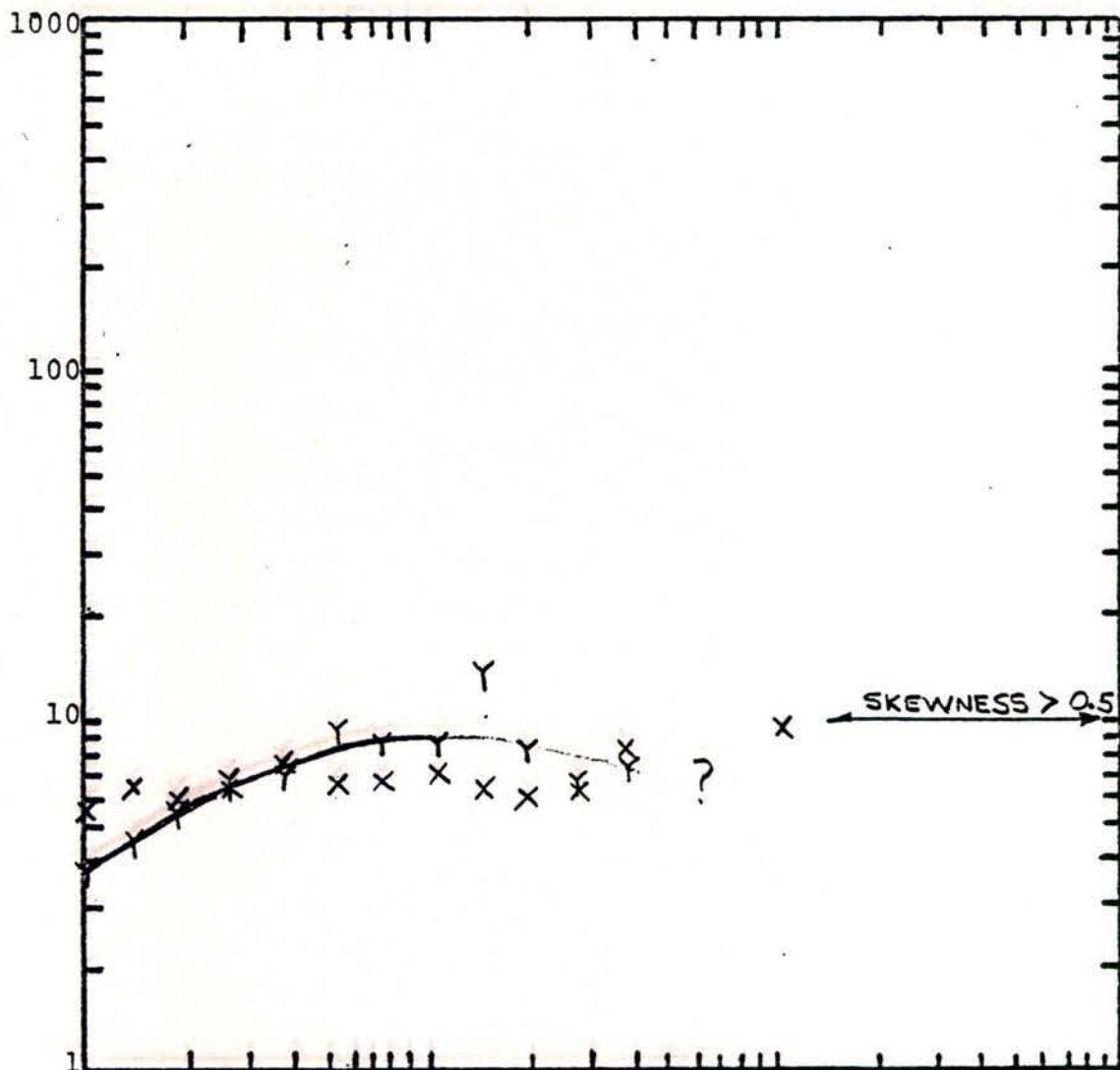
STATION B10



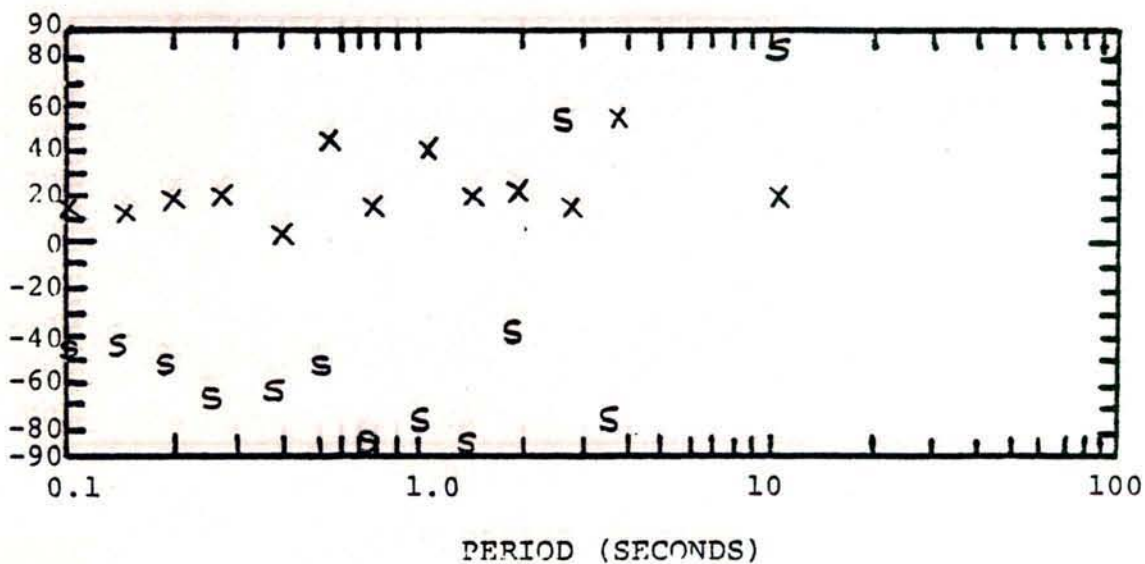
McCOY, NEVADA  
 STATION M11



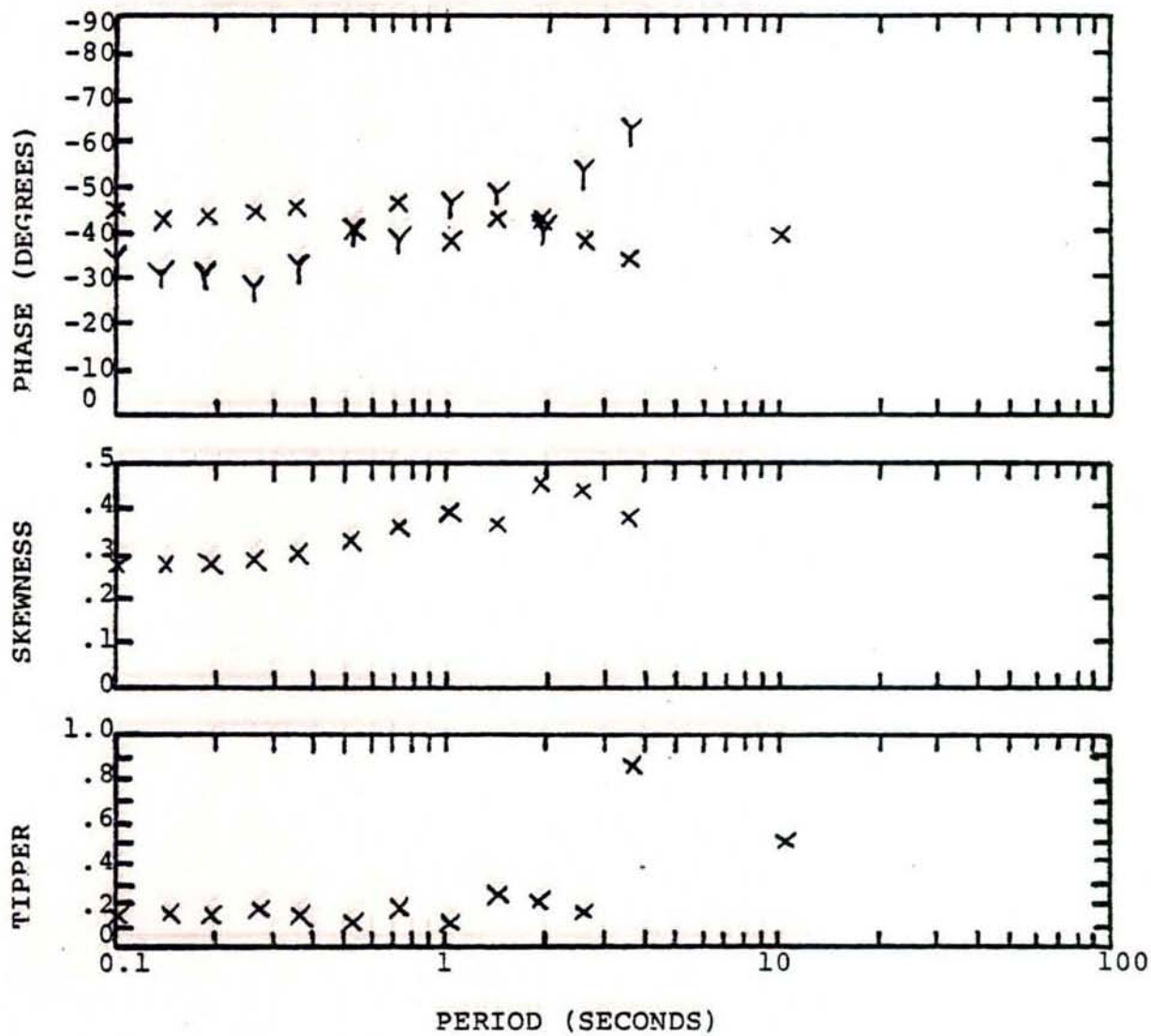
ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X): Y AXIS (Y)

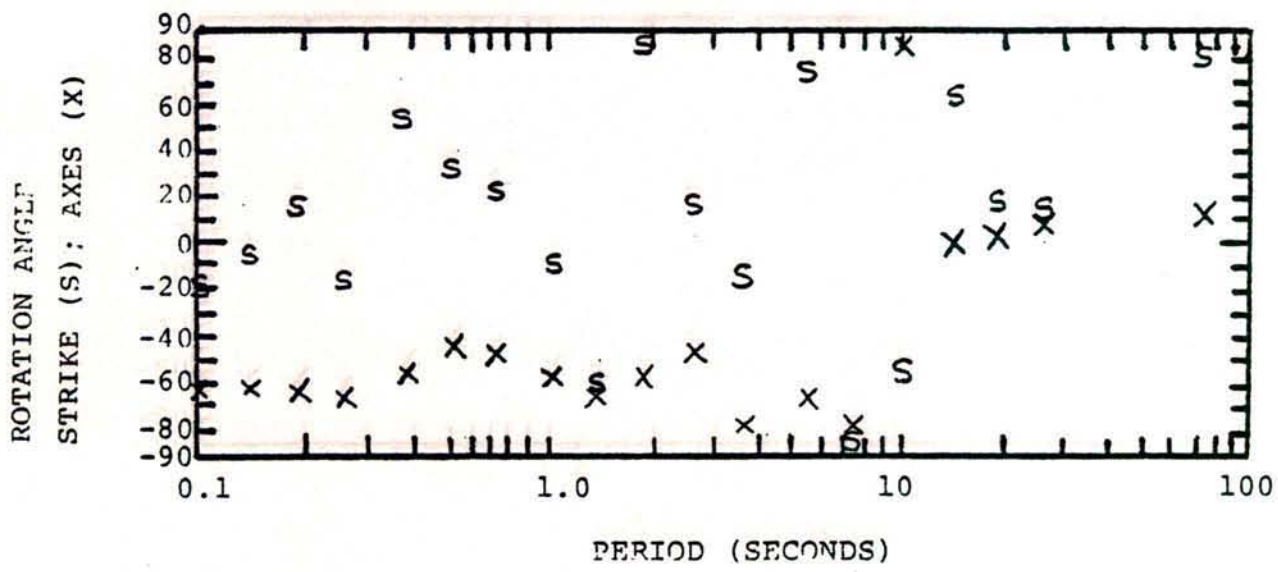
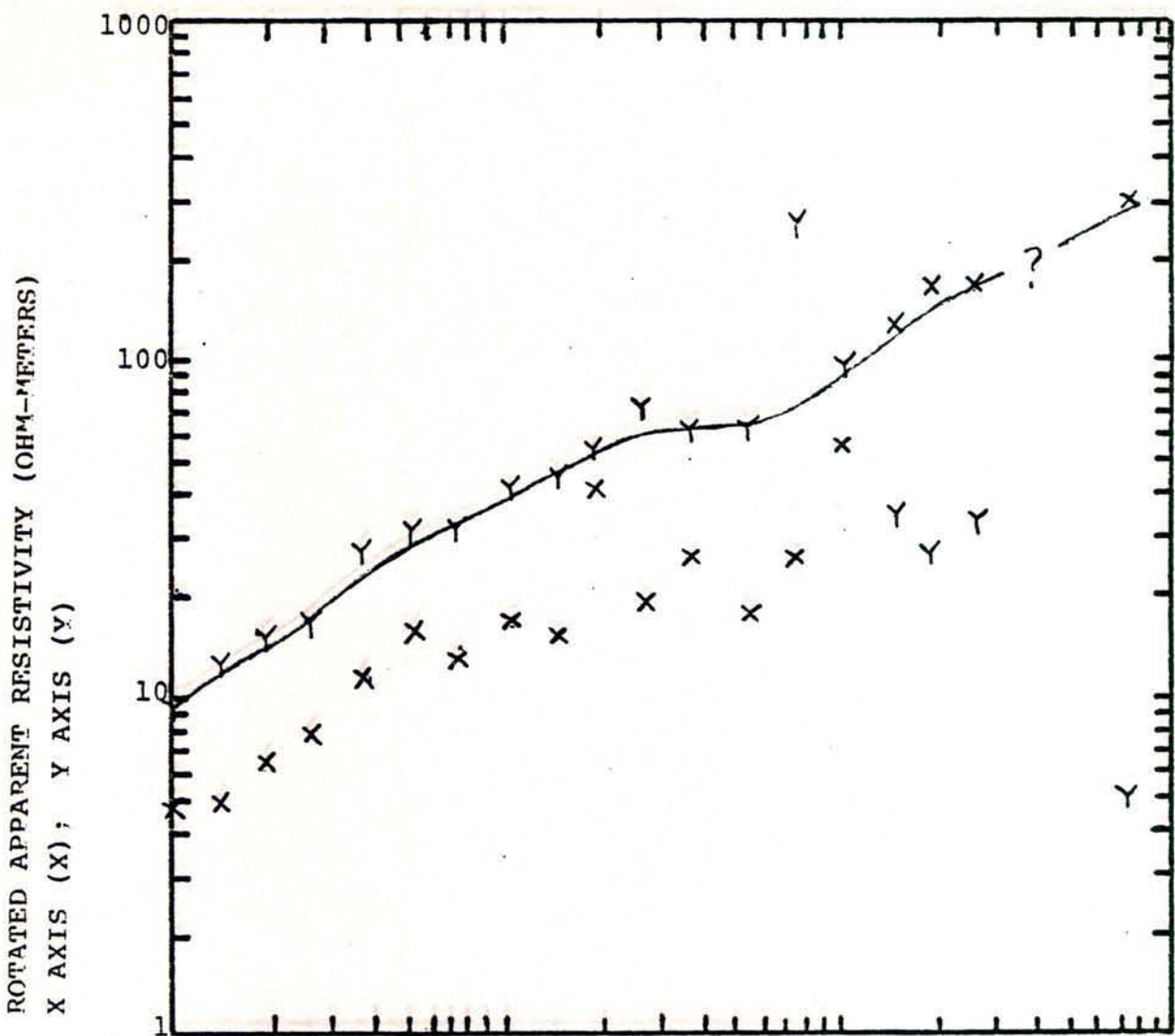


ROTATION ANGLE  
STRIKE (S): AXES (X)

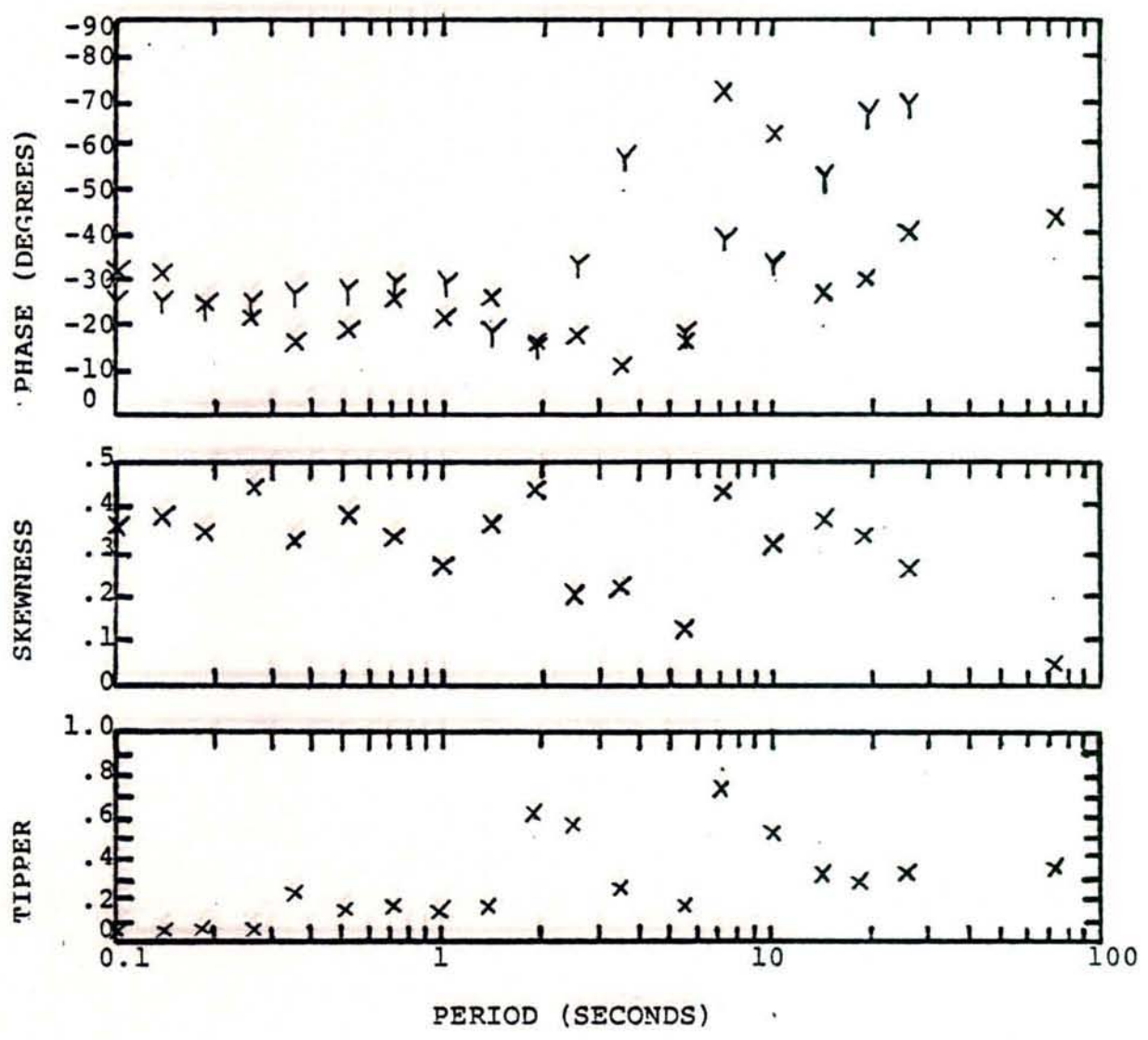


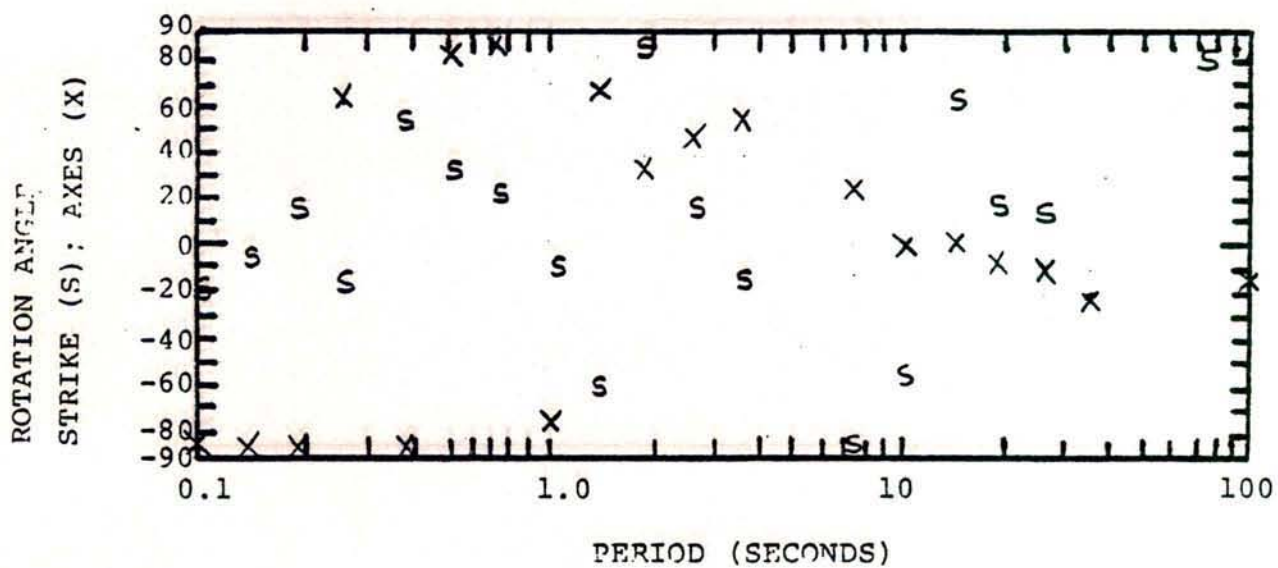
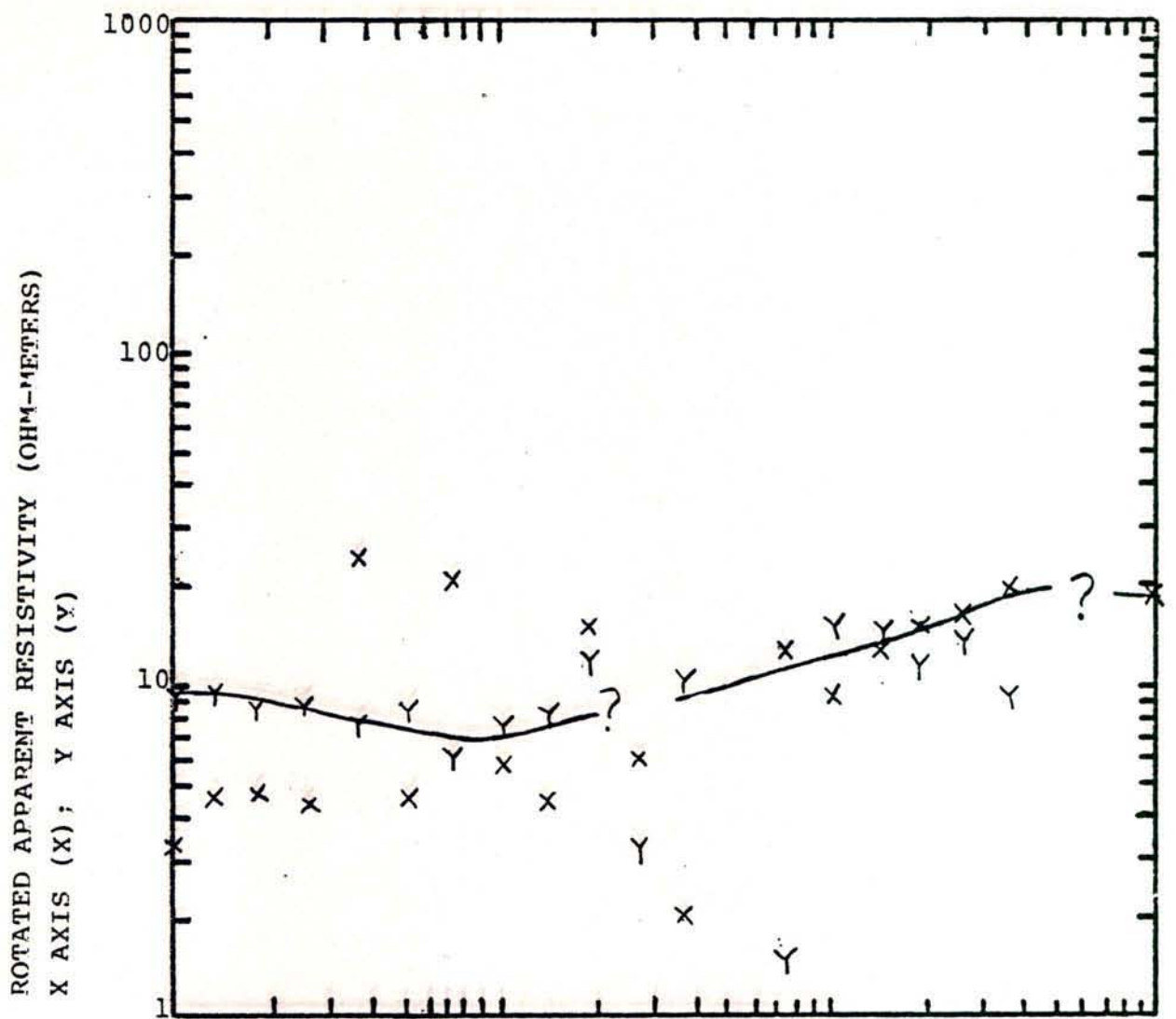
McCOY, NEVADA

STATION All



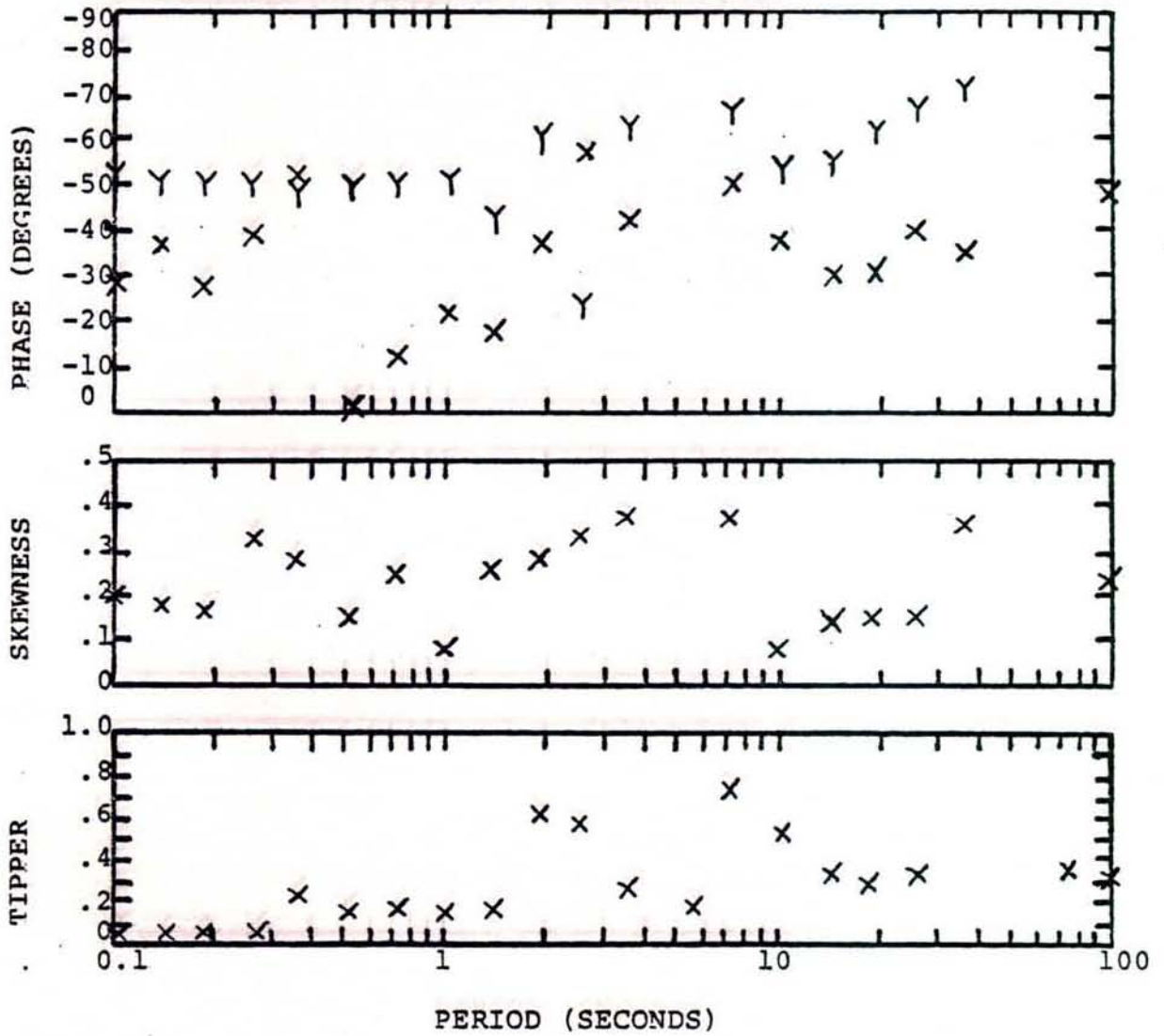
MCCOY, NEVADA  
STATION M12

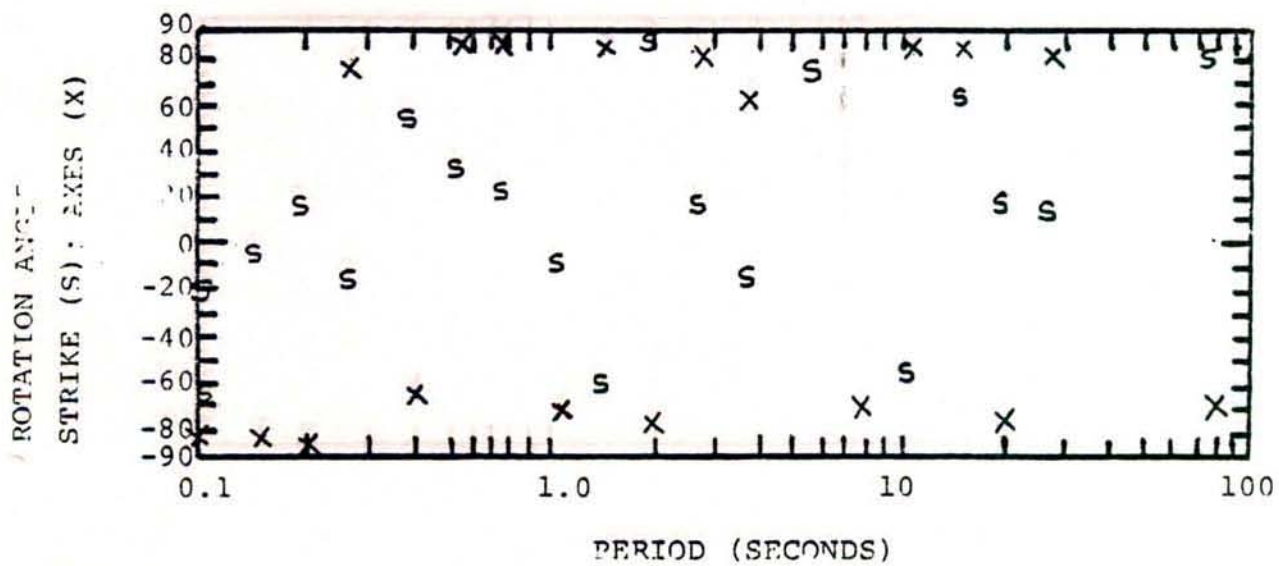
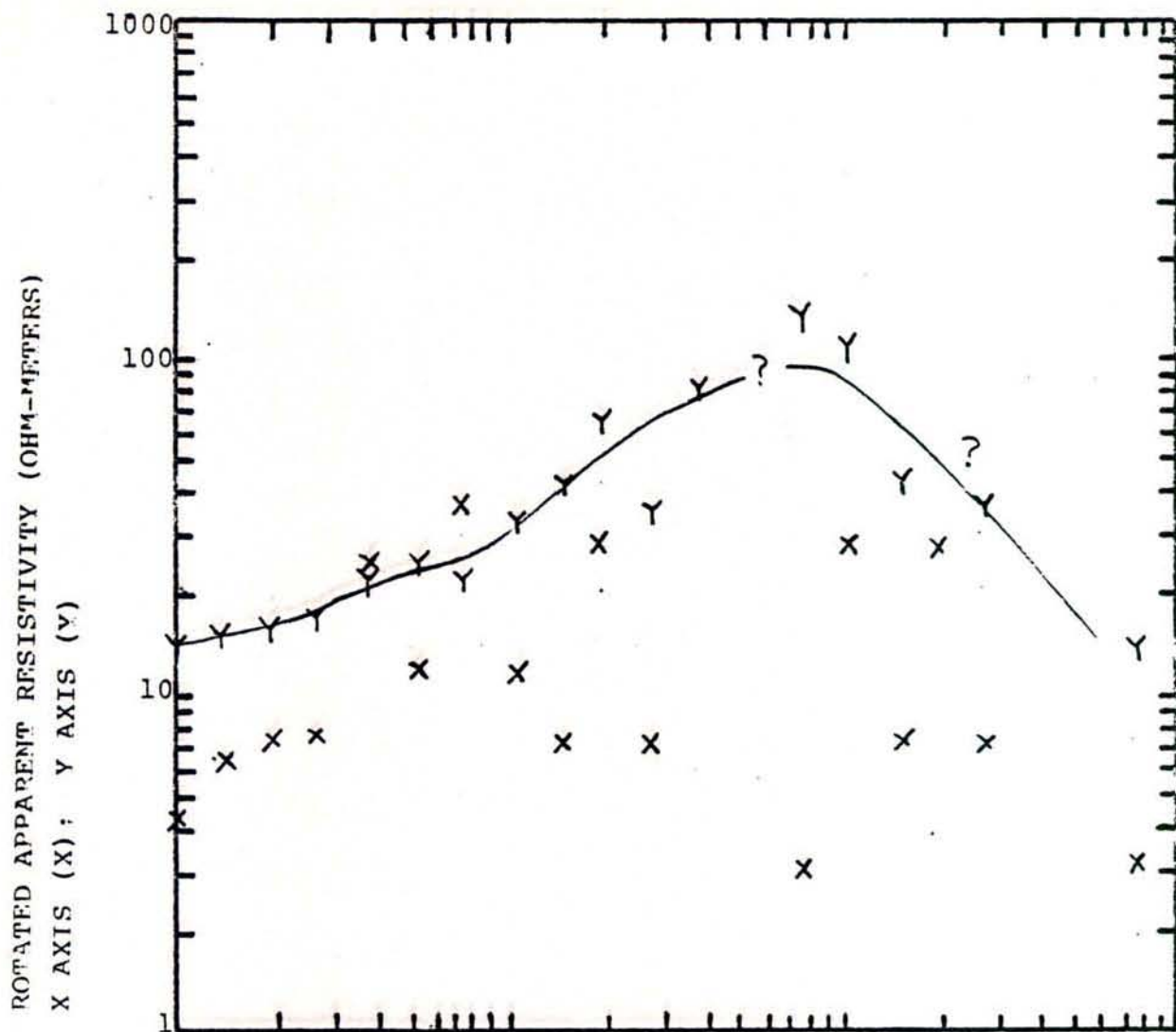




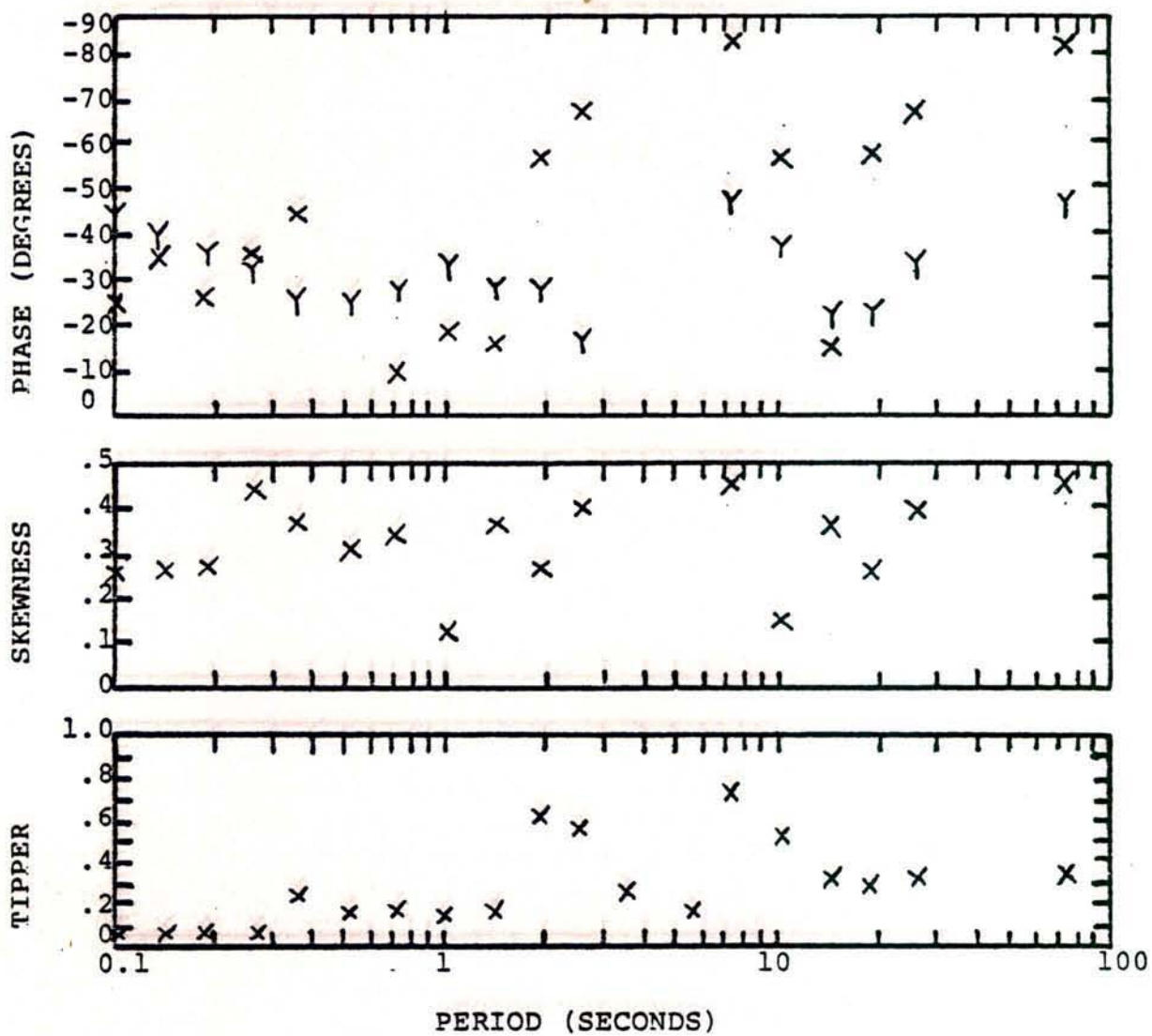


McCOY, NEVADA

STATION A12



MCCOY, NEVADA

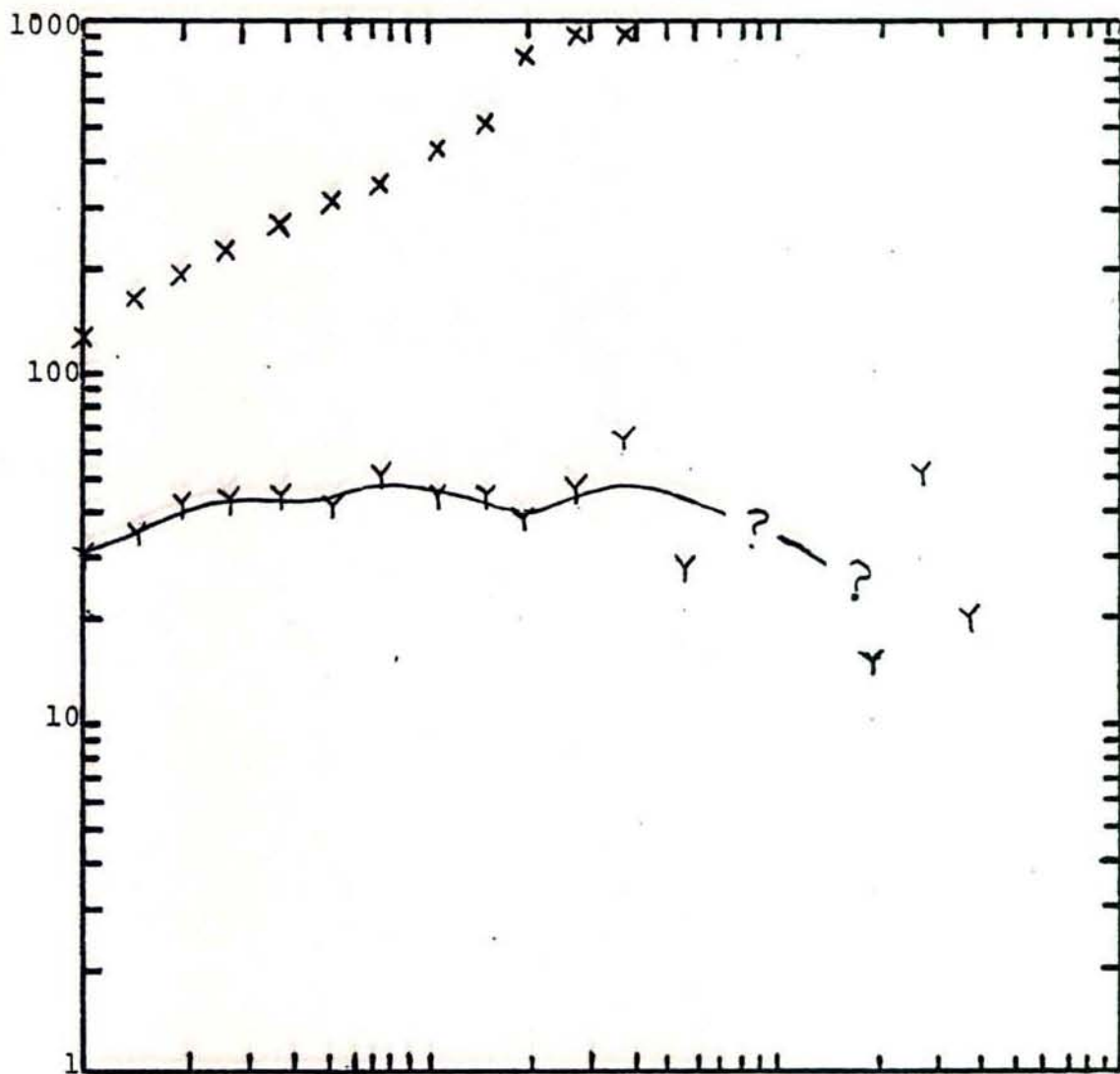
STATION B12

PROSPECT McCOY, NEVADA

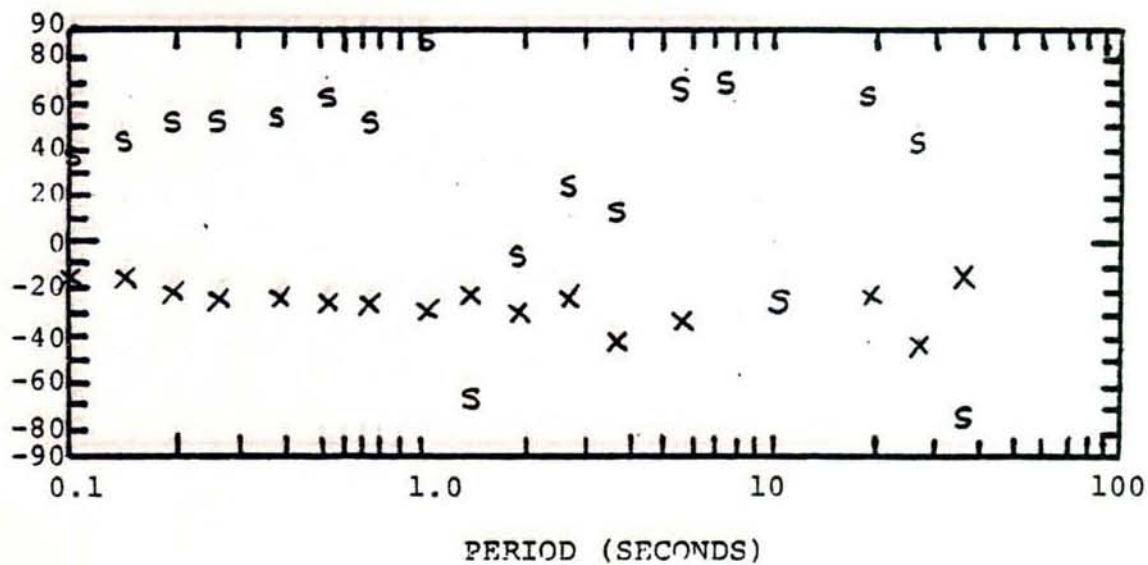
STATION M13

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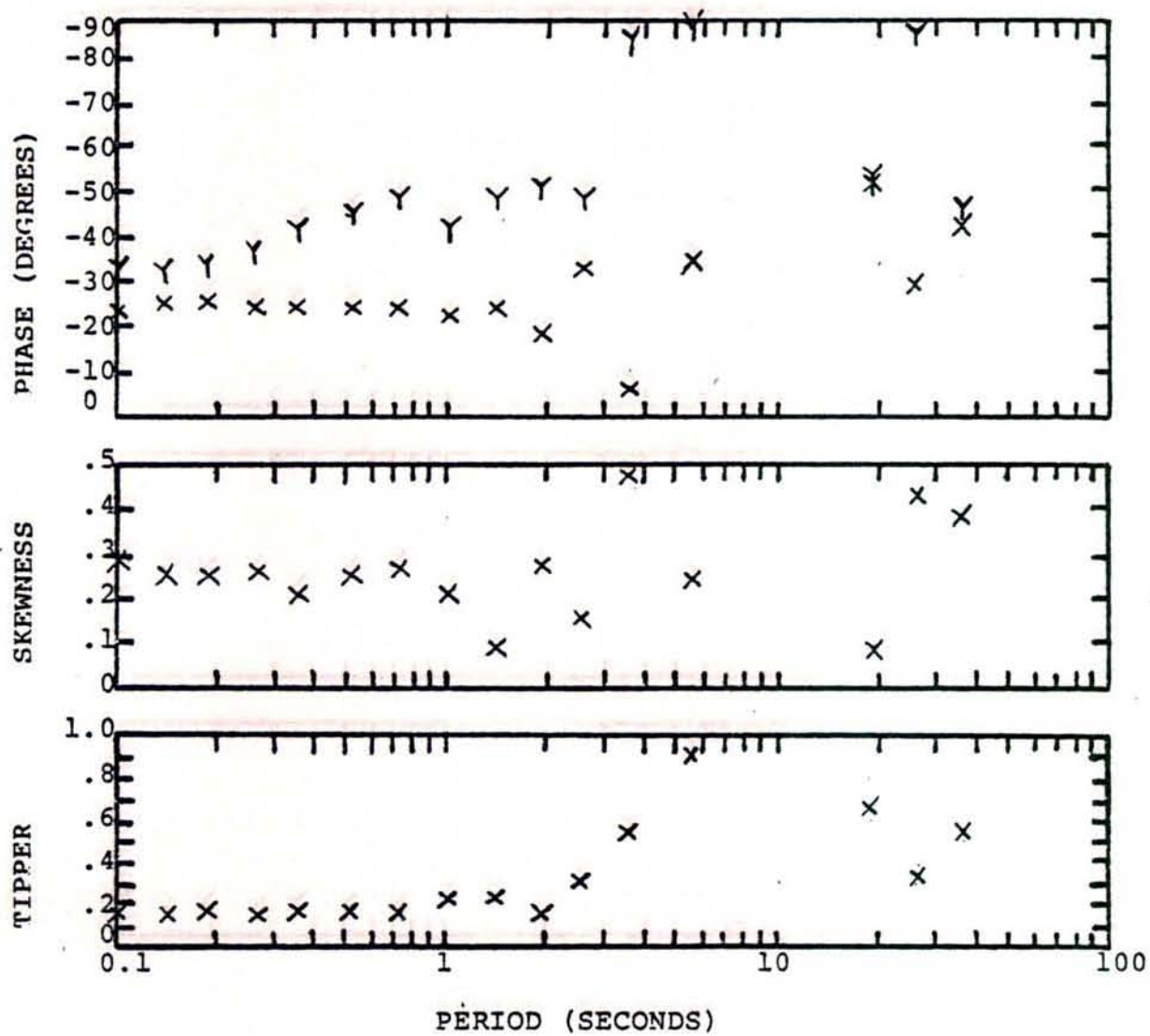
ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X); Y AXIS (Y)

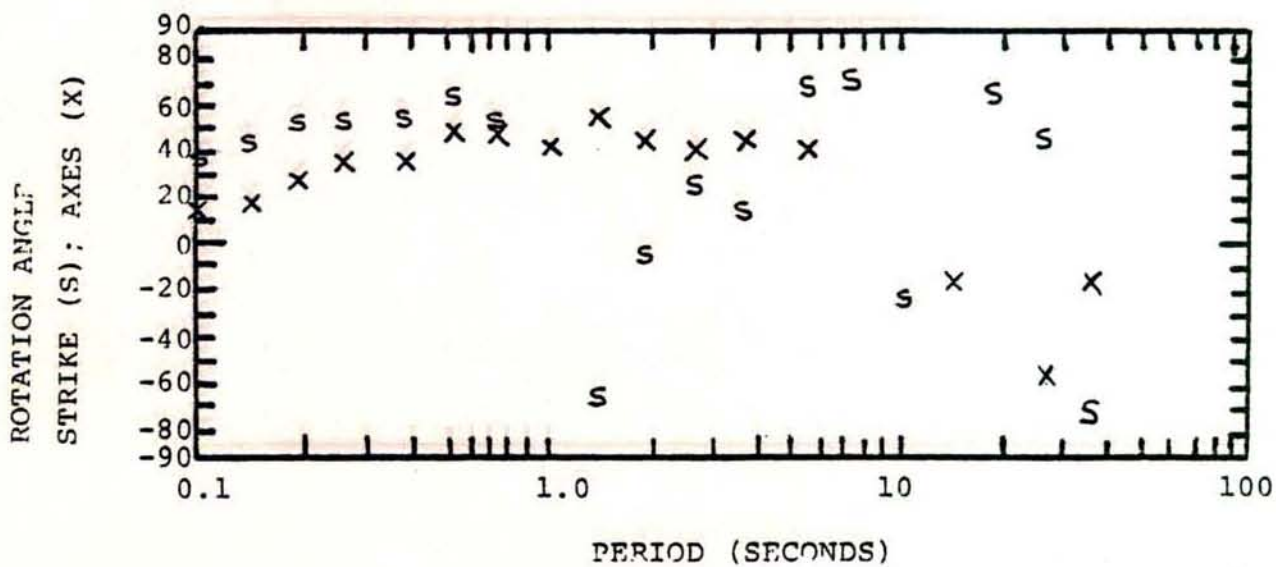
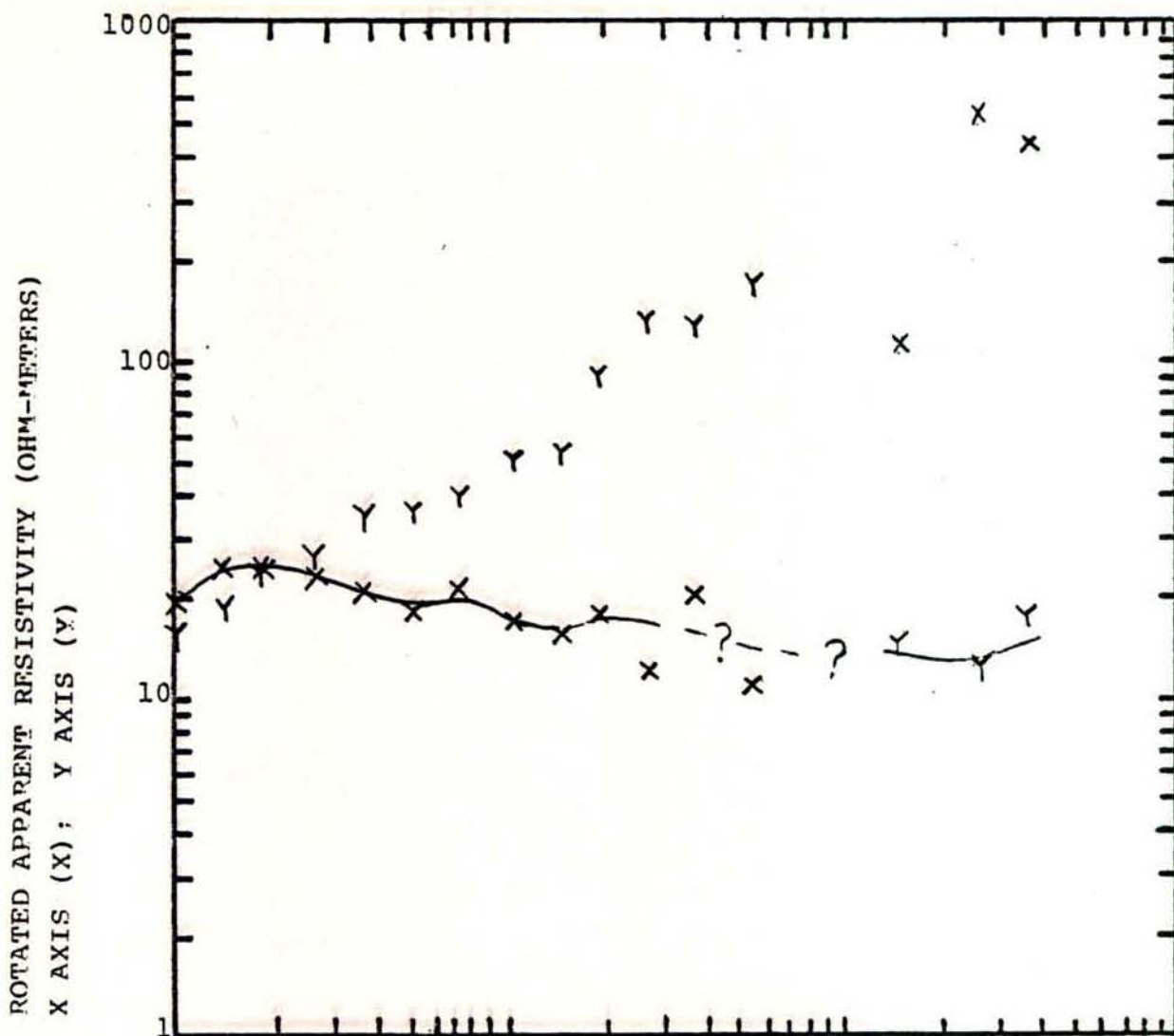


ROTATION ANGLE  
STRIKE (S); AXES (X)

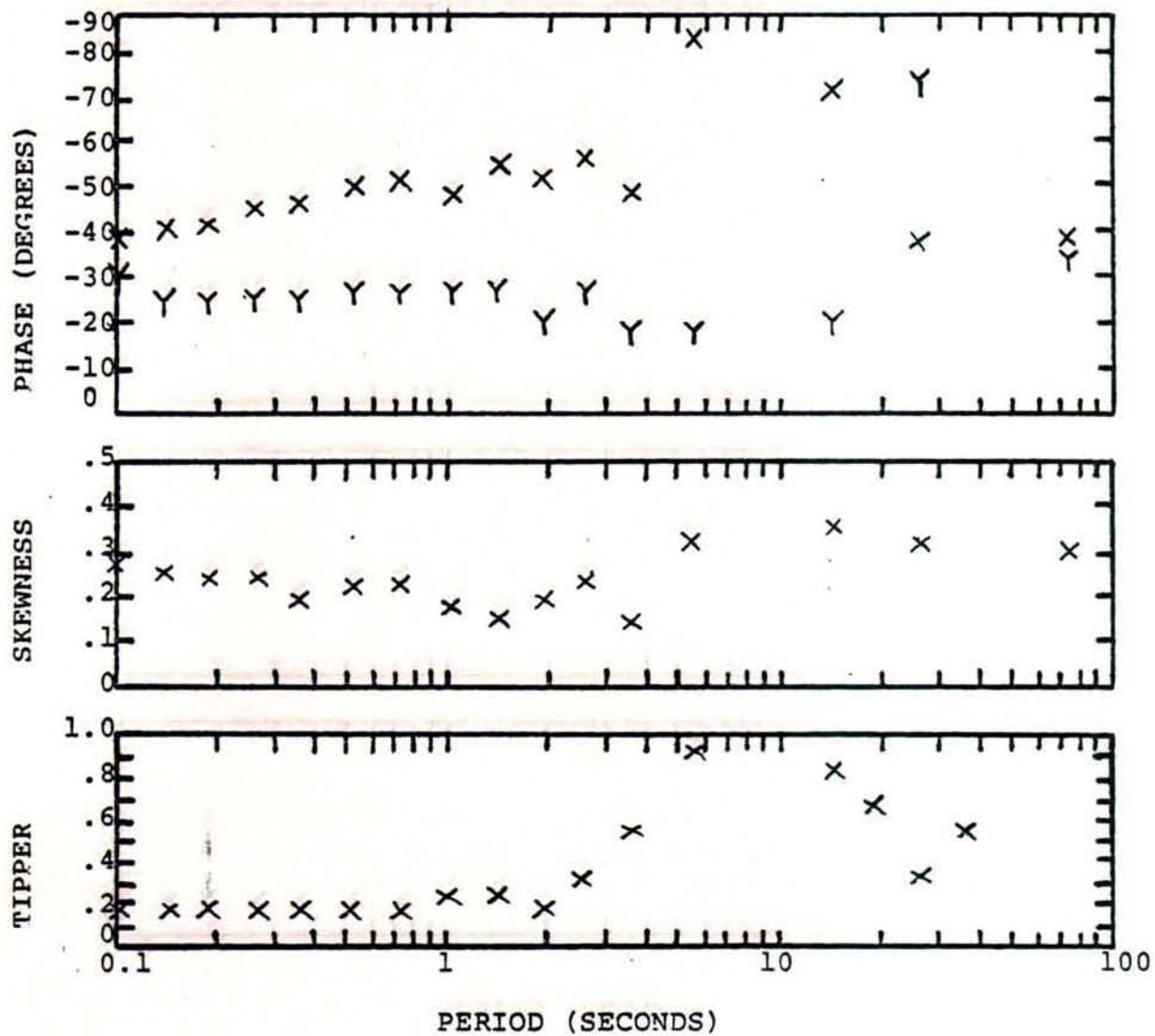


MCCOY, NEVADA

STATION M13



McCOY, NEVADA

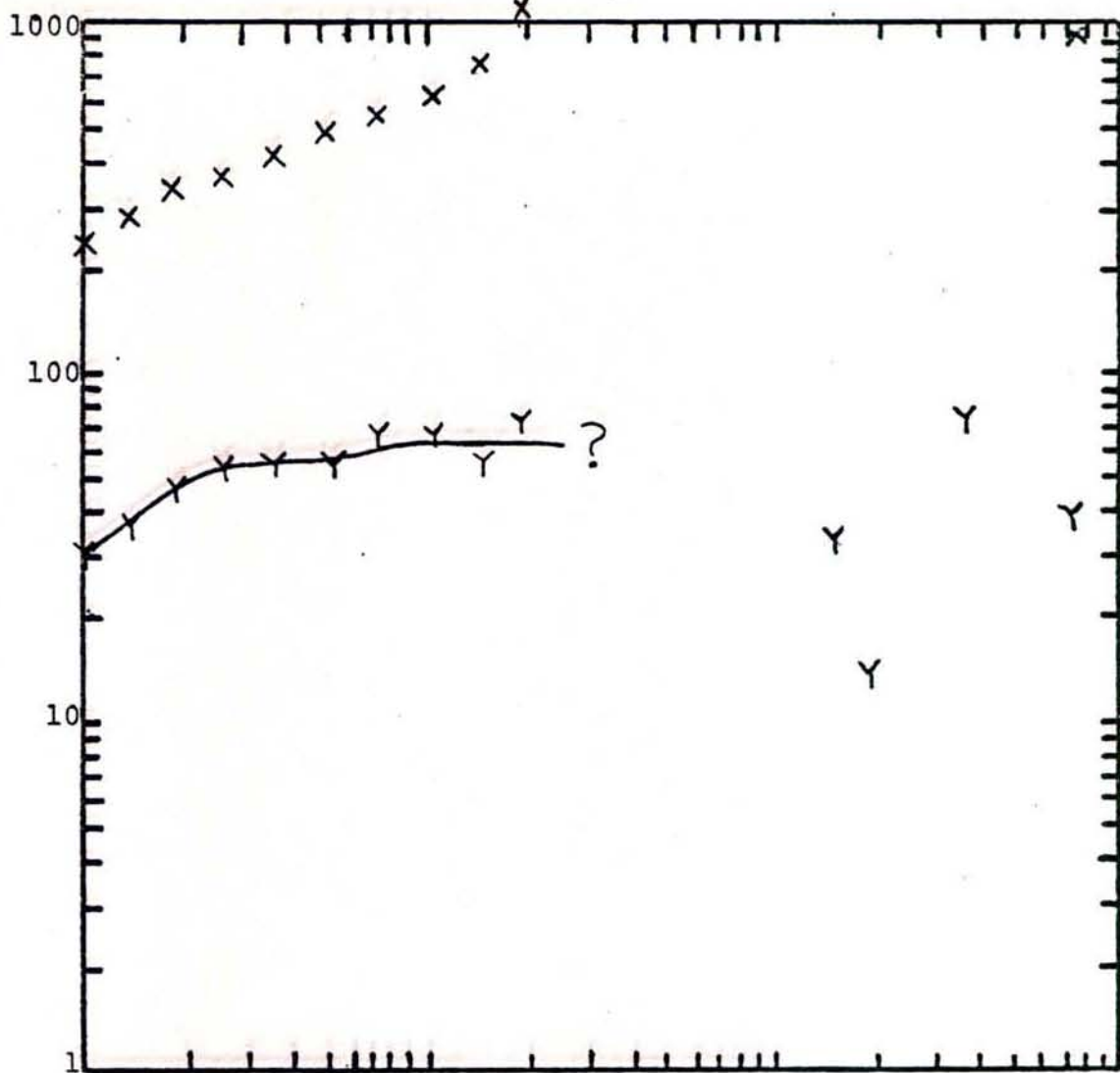
STATION A13

PROSPECT McCOY, NEVADA

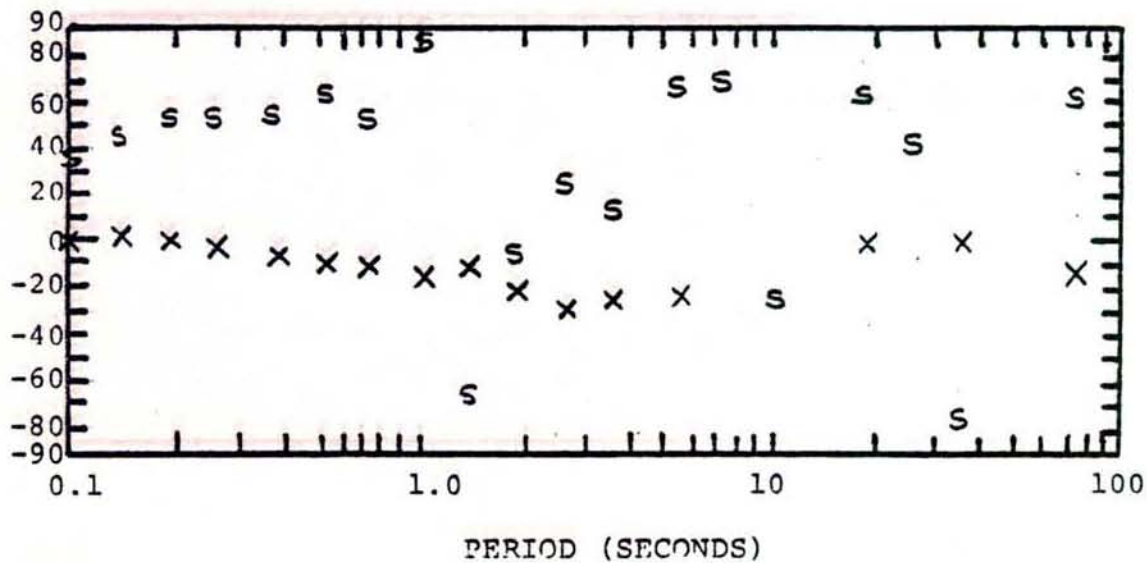
STATION B13

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ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X); Y AXIS (Y)

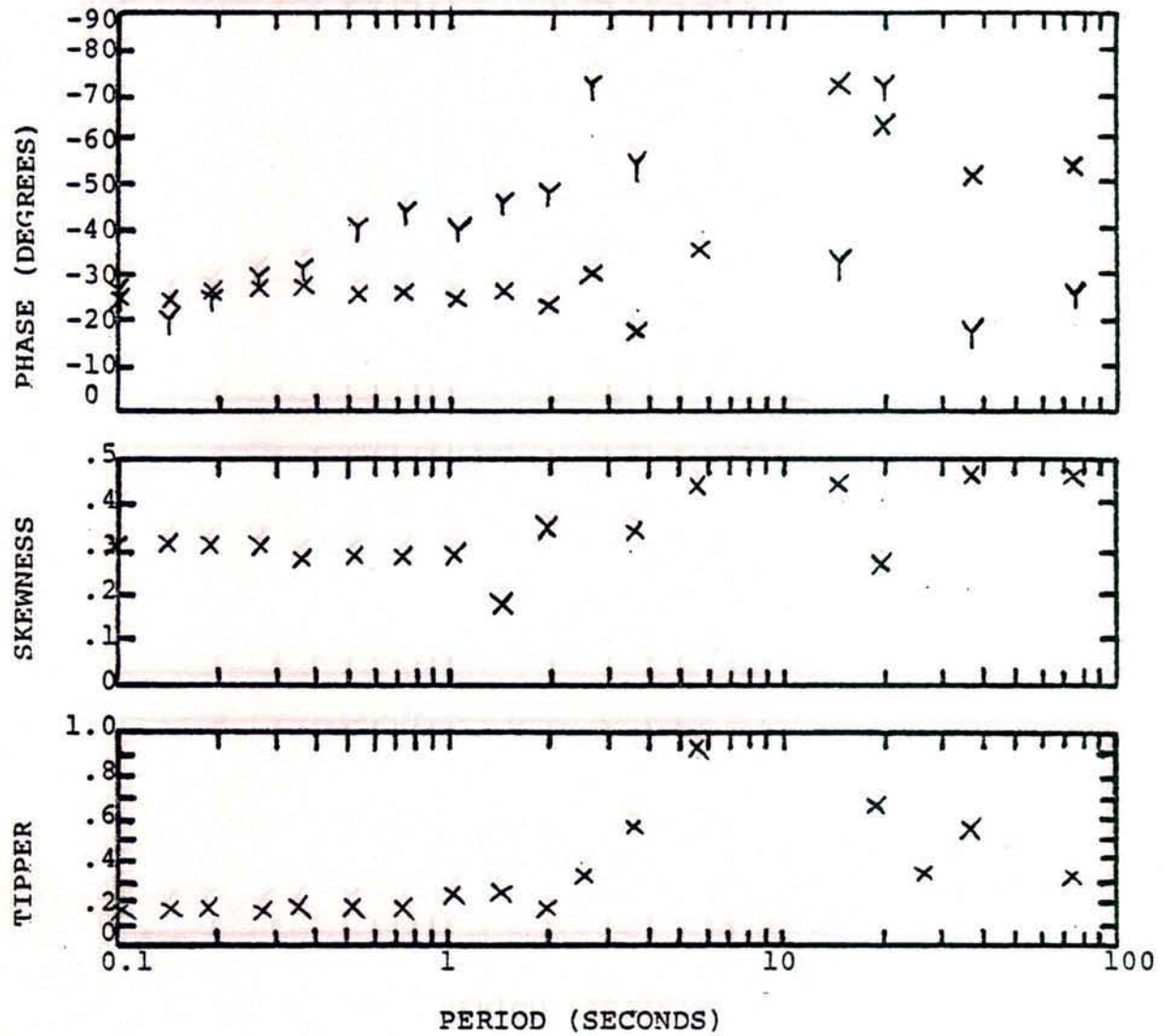


ROTATION ANGLE  
STRIKE (S); AXES (X)



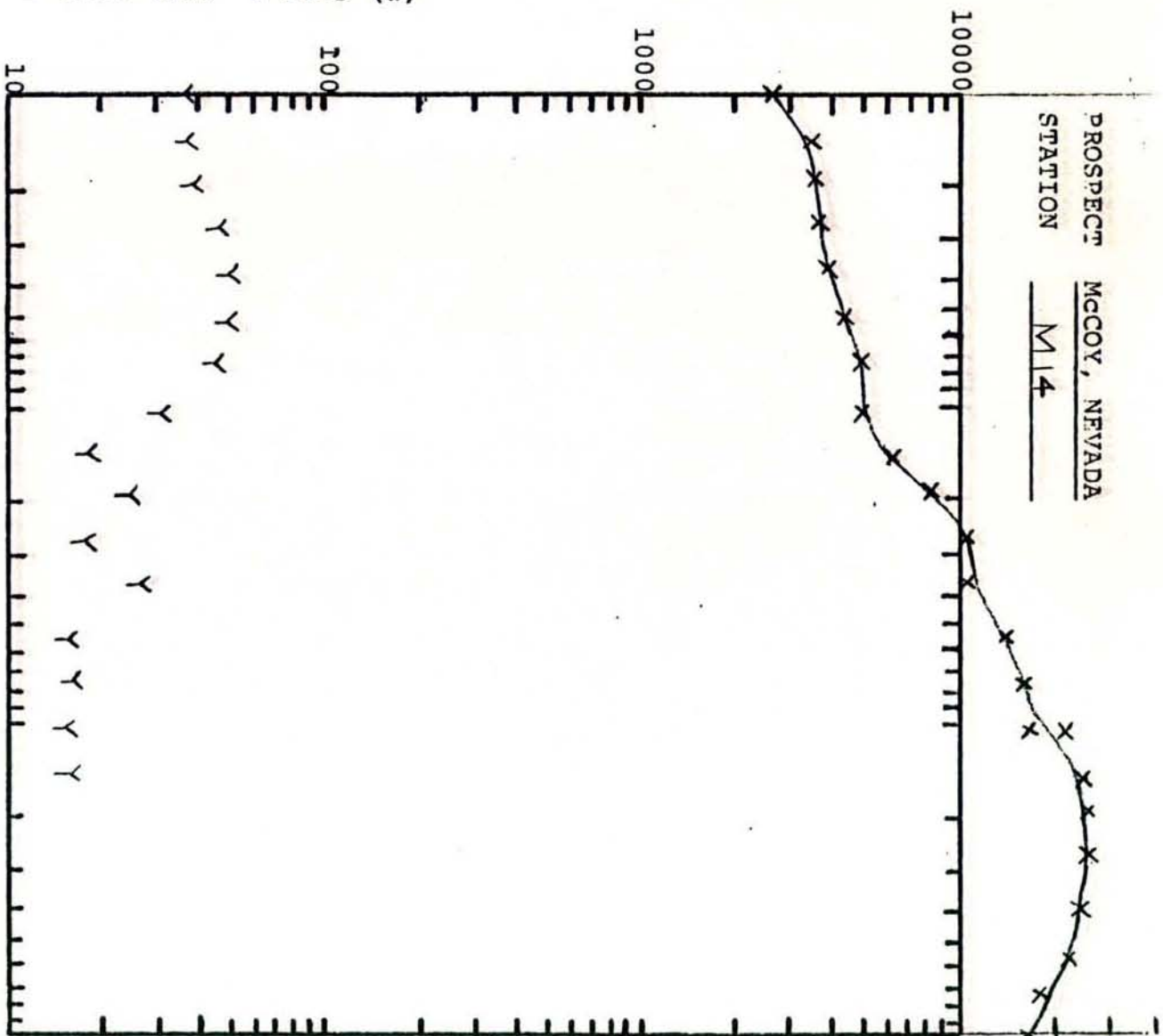


McCOY, NEVADA

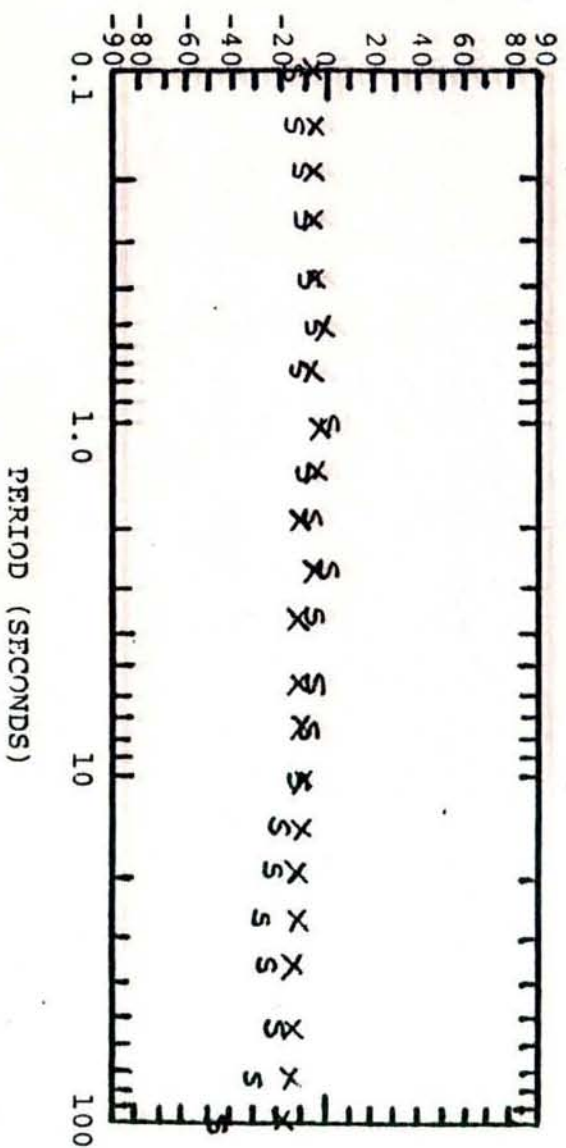
STATION B13

PROSPECT MCCOY, NEVADA  
STATION M14

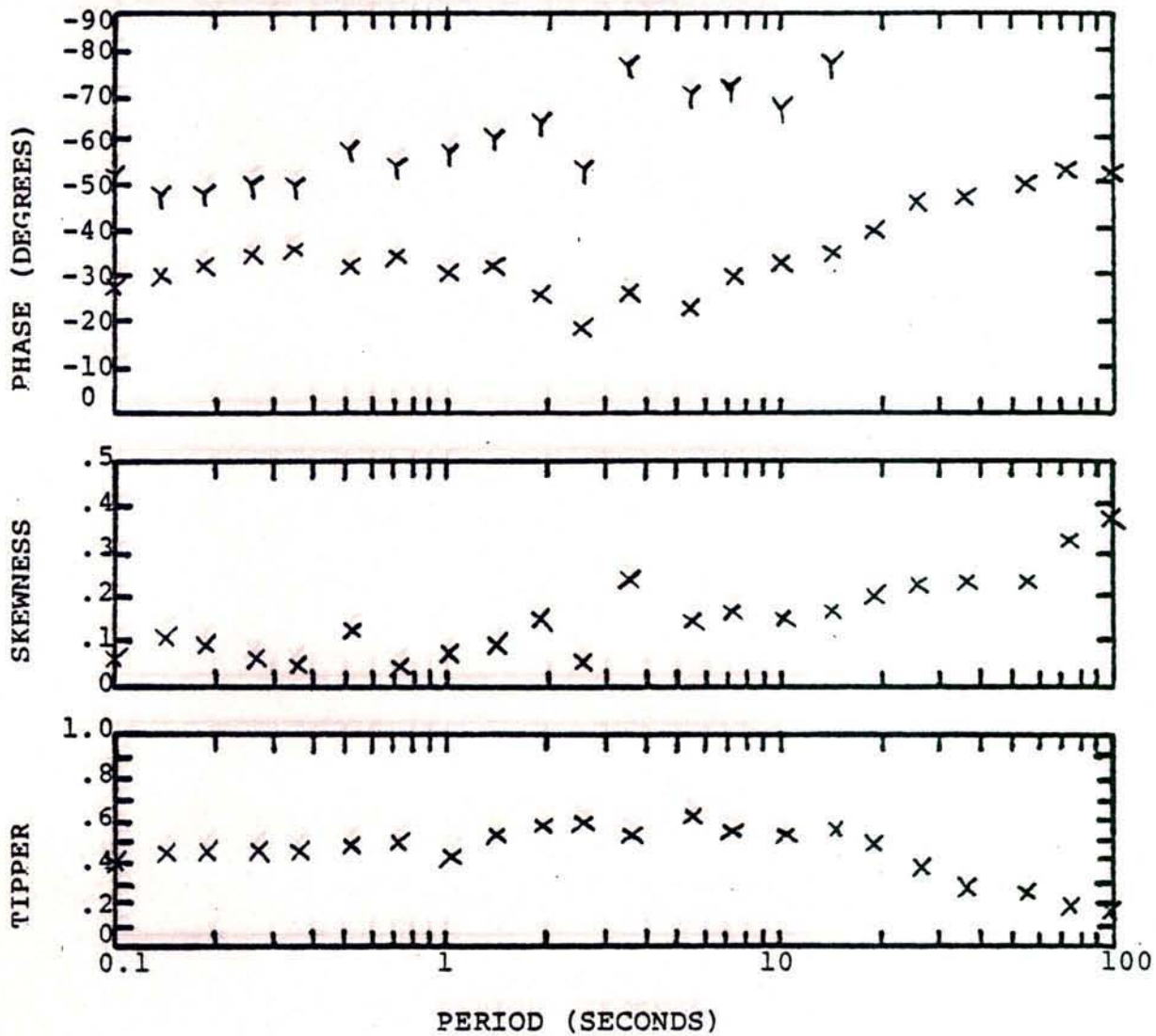
ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X); Y AXIS (Y)



ROTATION ANGLE  
STRIKE (S): AXES (X)



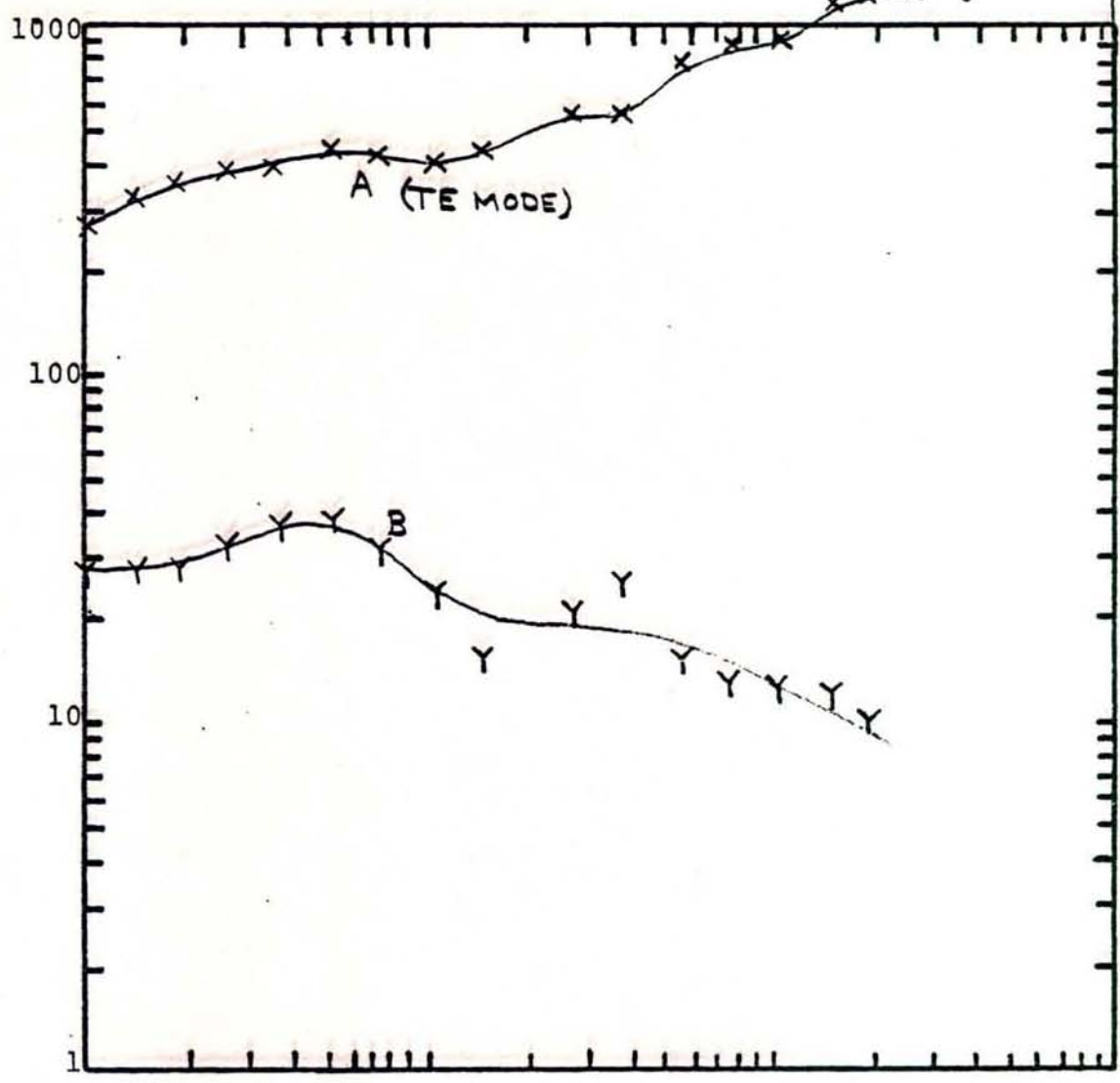
McCOY, NEVADA

STATION M14

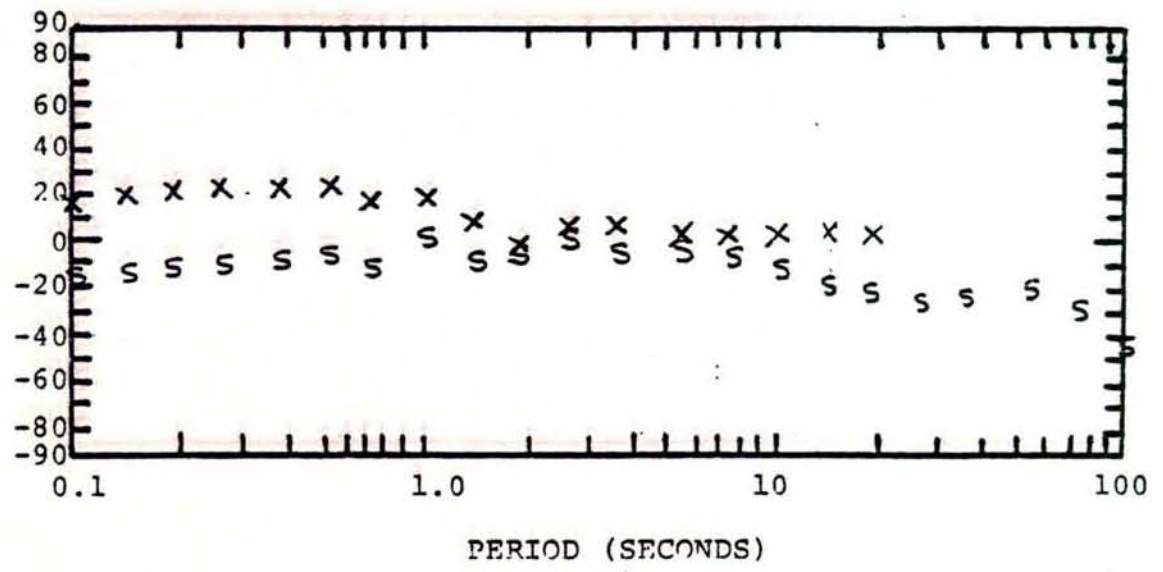
PROSPECT McCOY, NEVADA

STATION A14

ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X): Y AXIS (Y)

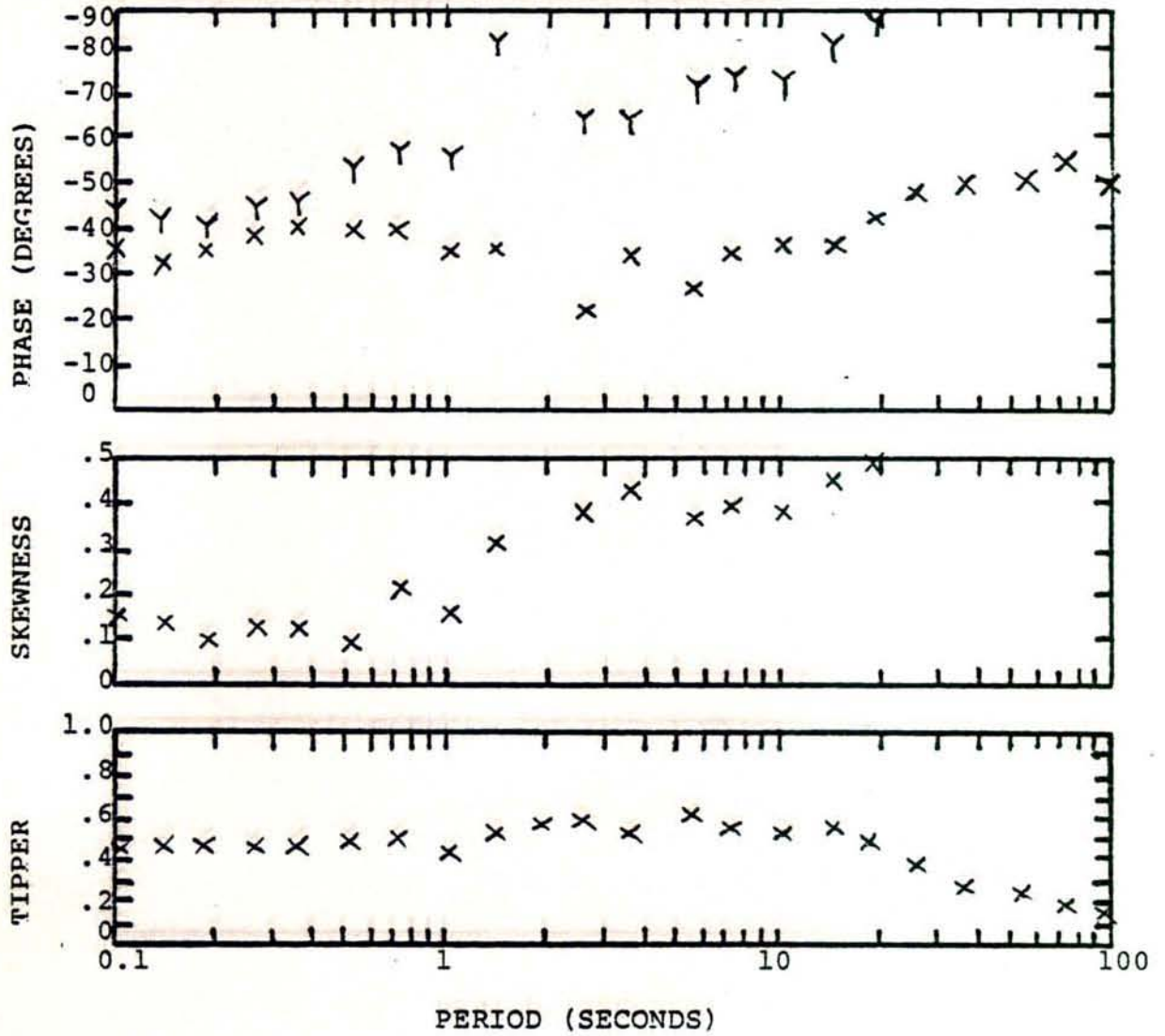


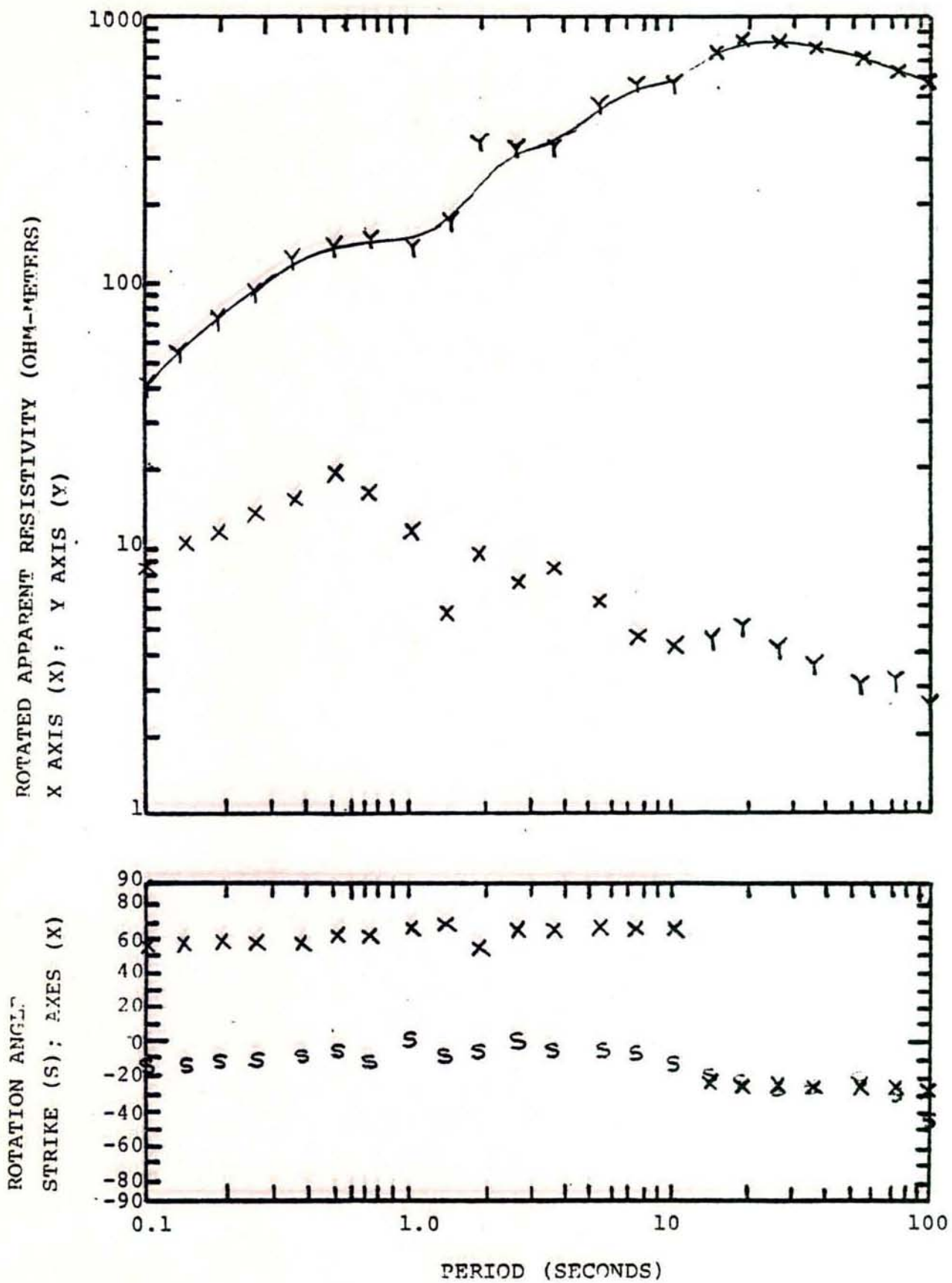
ROTATION ANGLE  
STRIKE (S): AXES (X)



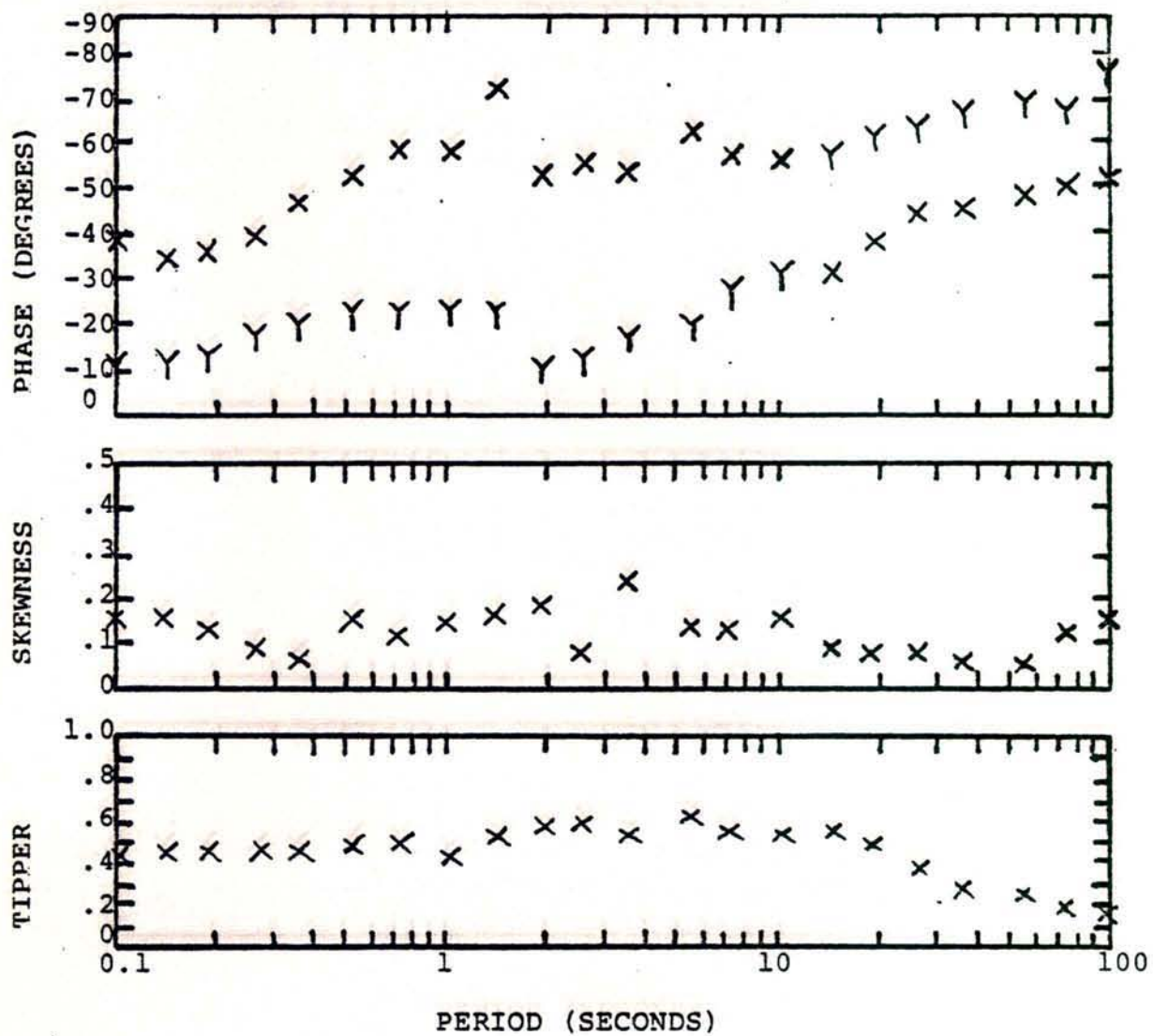
McCOY, NEVADA

STATION A14





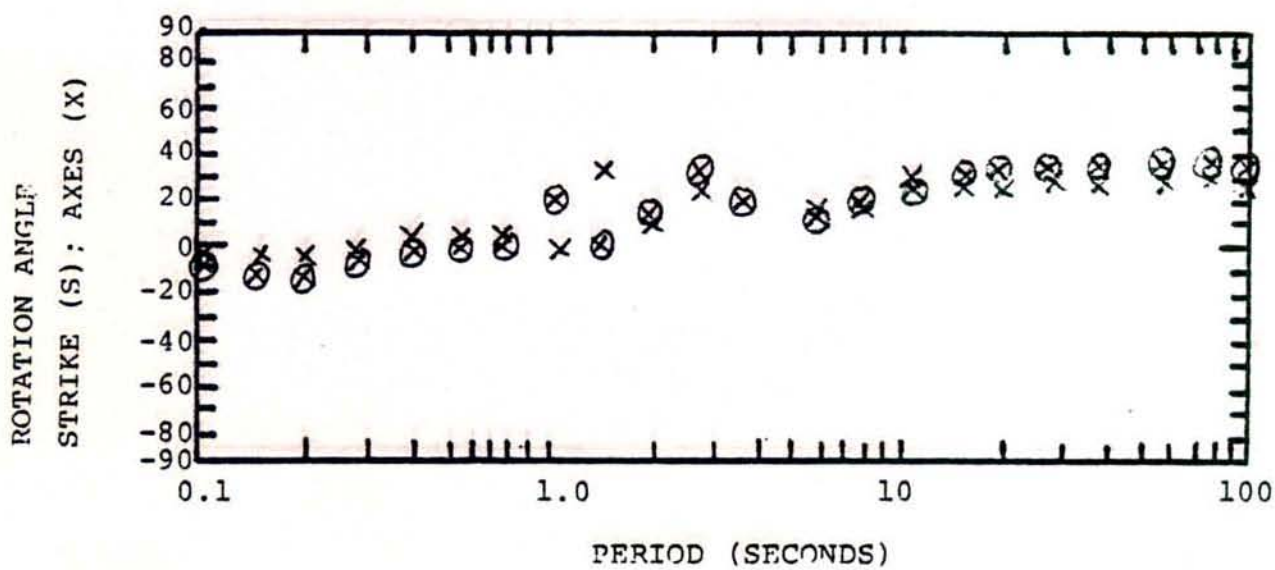
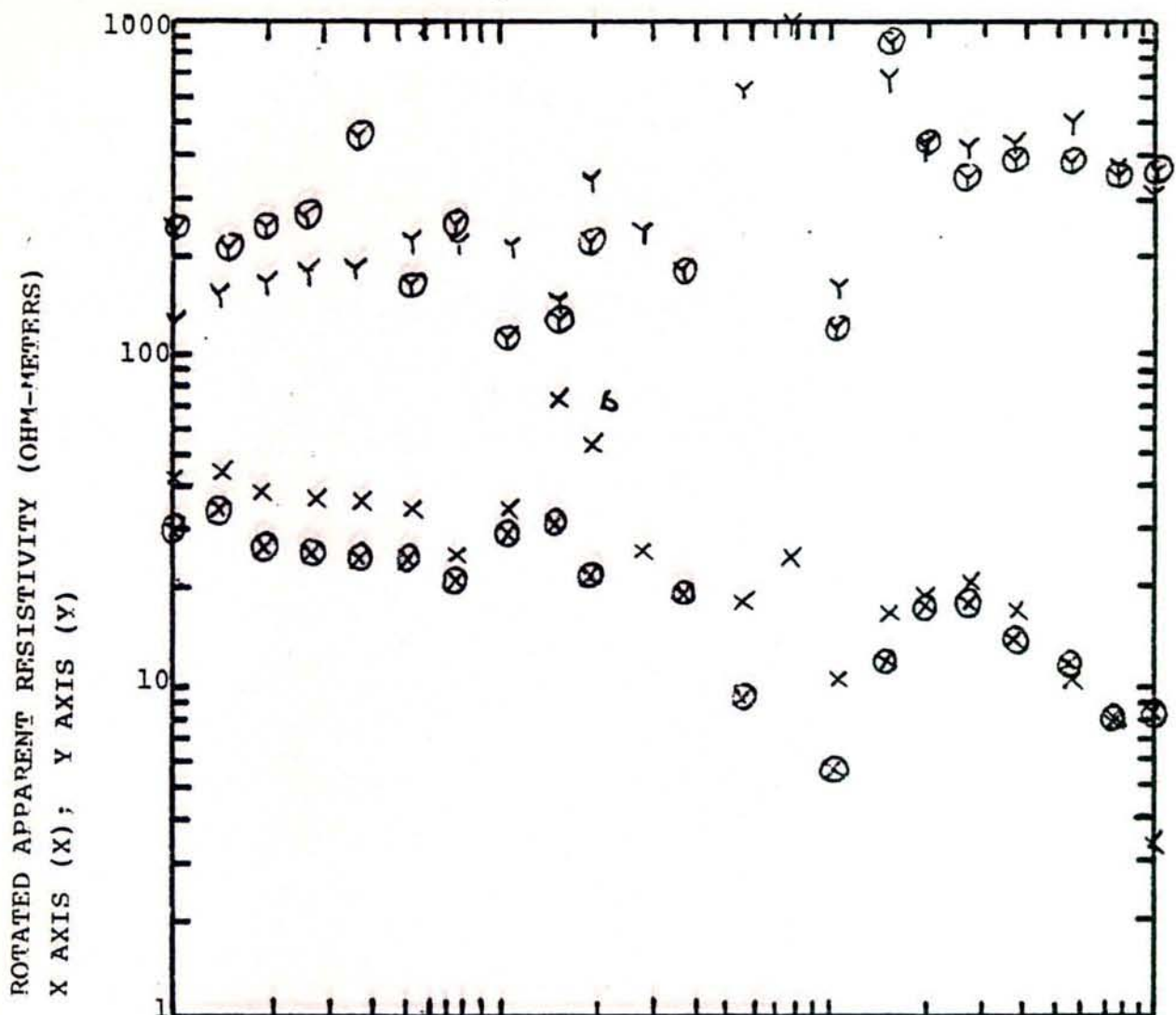
McCOY, NEVADA

STATION B14

PROSPECT McCOY, NEVADA

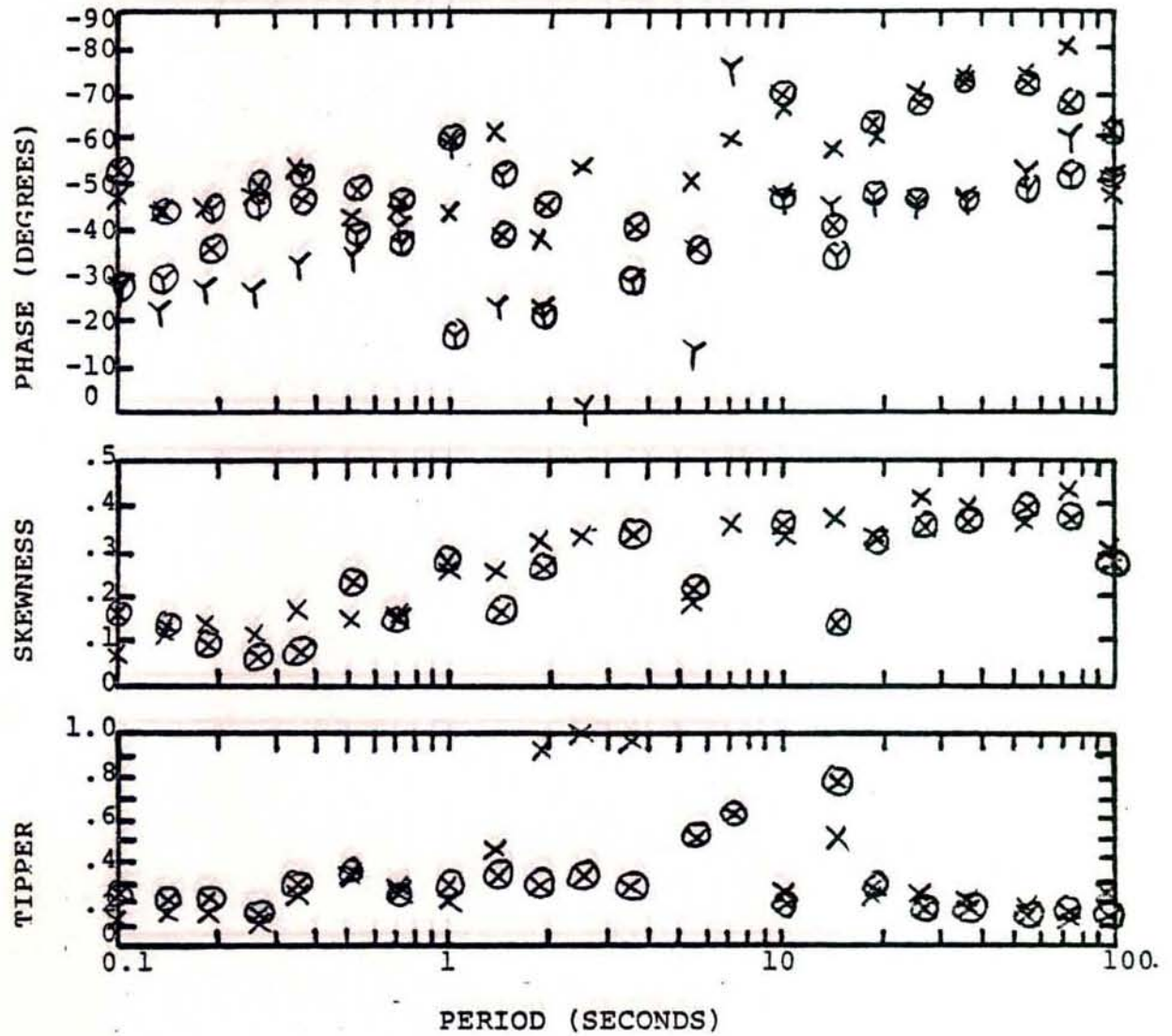
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STATION A1 X, Y  
A2 ⊗, ⊙



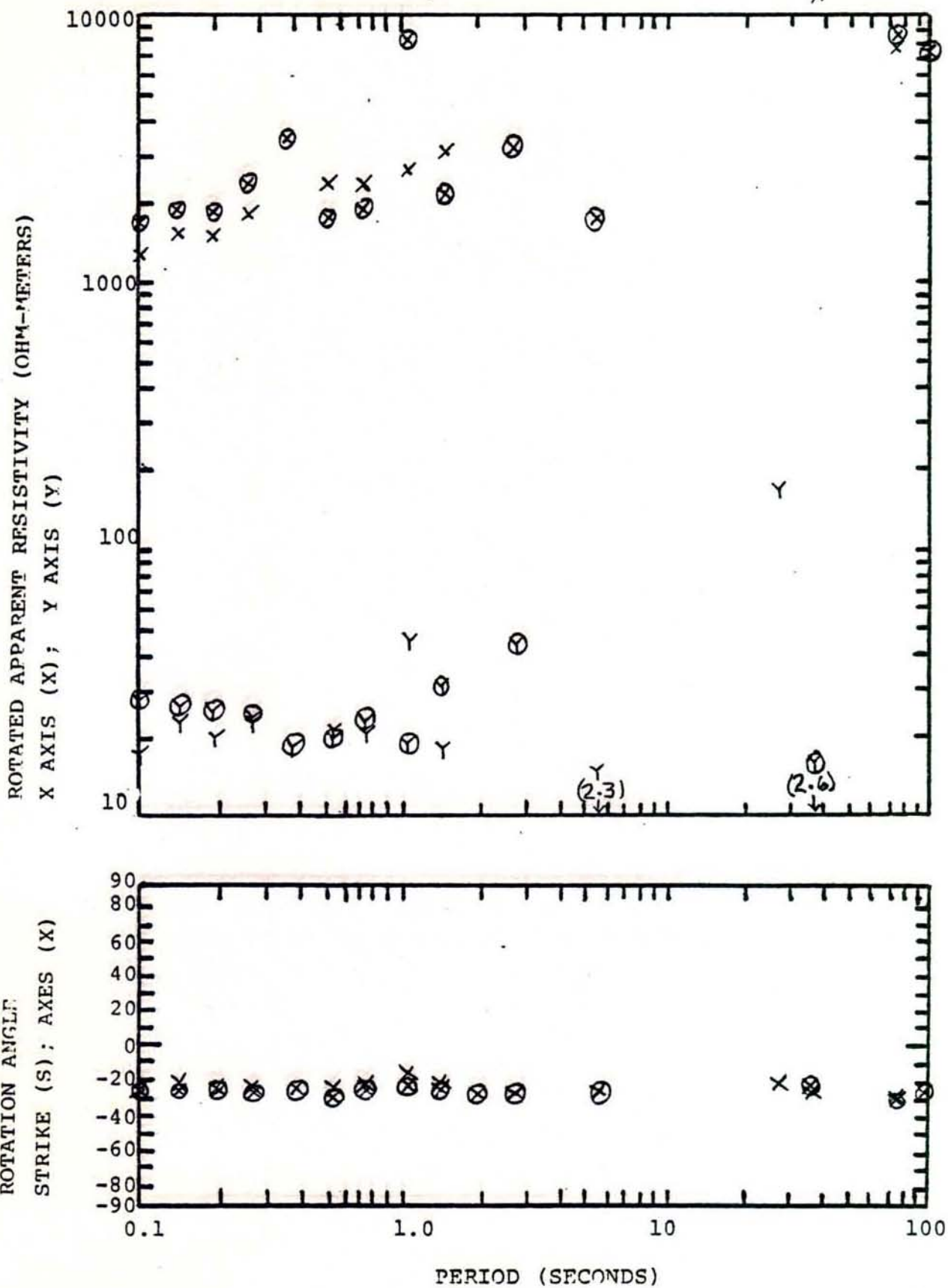


McCOY, NEVADA

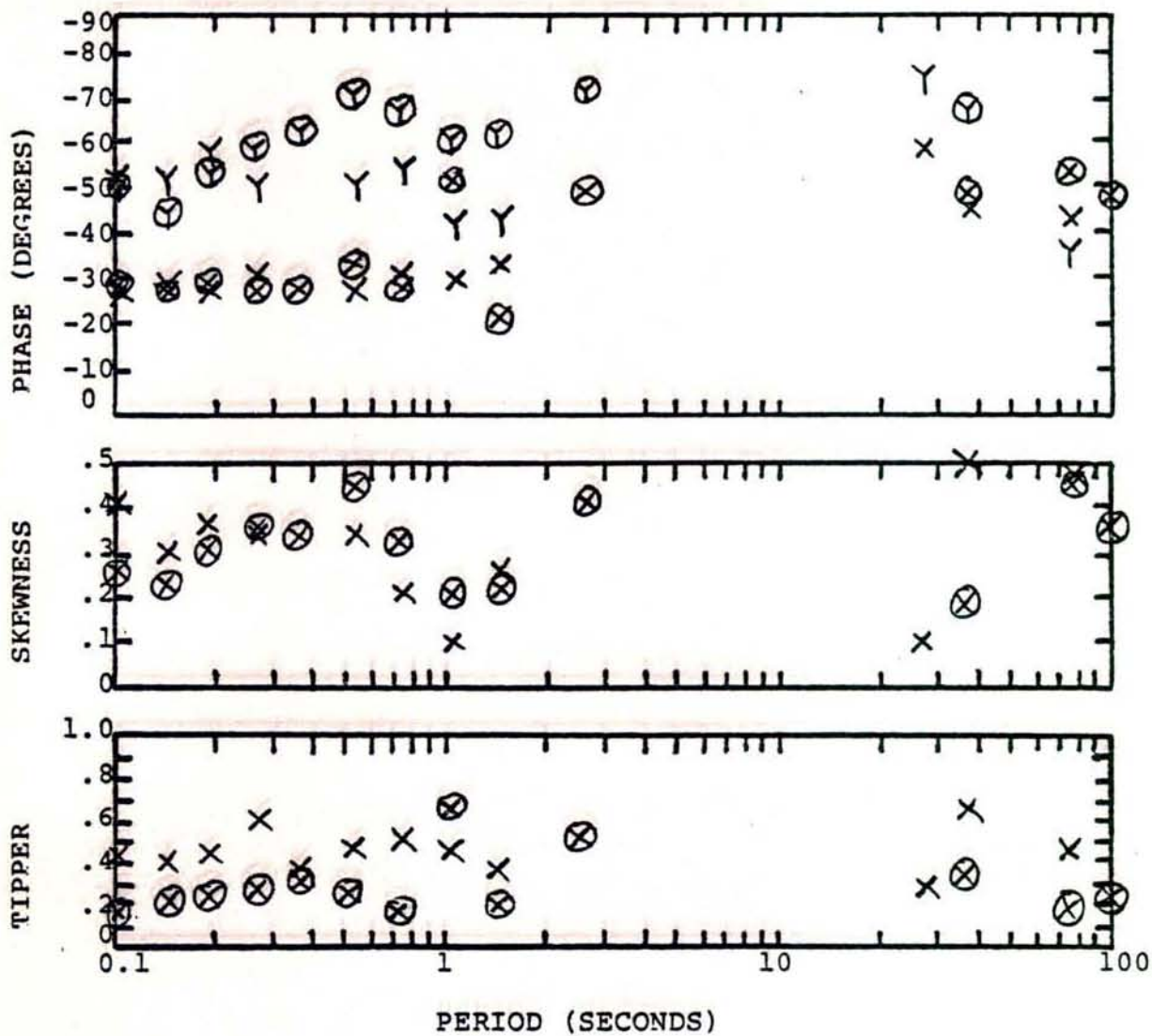
STATION A1 X, Y  
A2 ⊗ ⊙

PROSPECT McCOY, NEVADA

STATION M 3 X, Y  
A 4 ⊗, ⊙



McCOY, NEVADA

STATION M3 X,Y  
A4 ⊗, ⊙

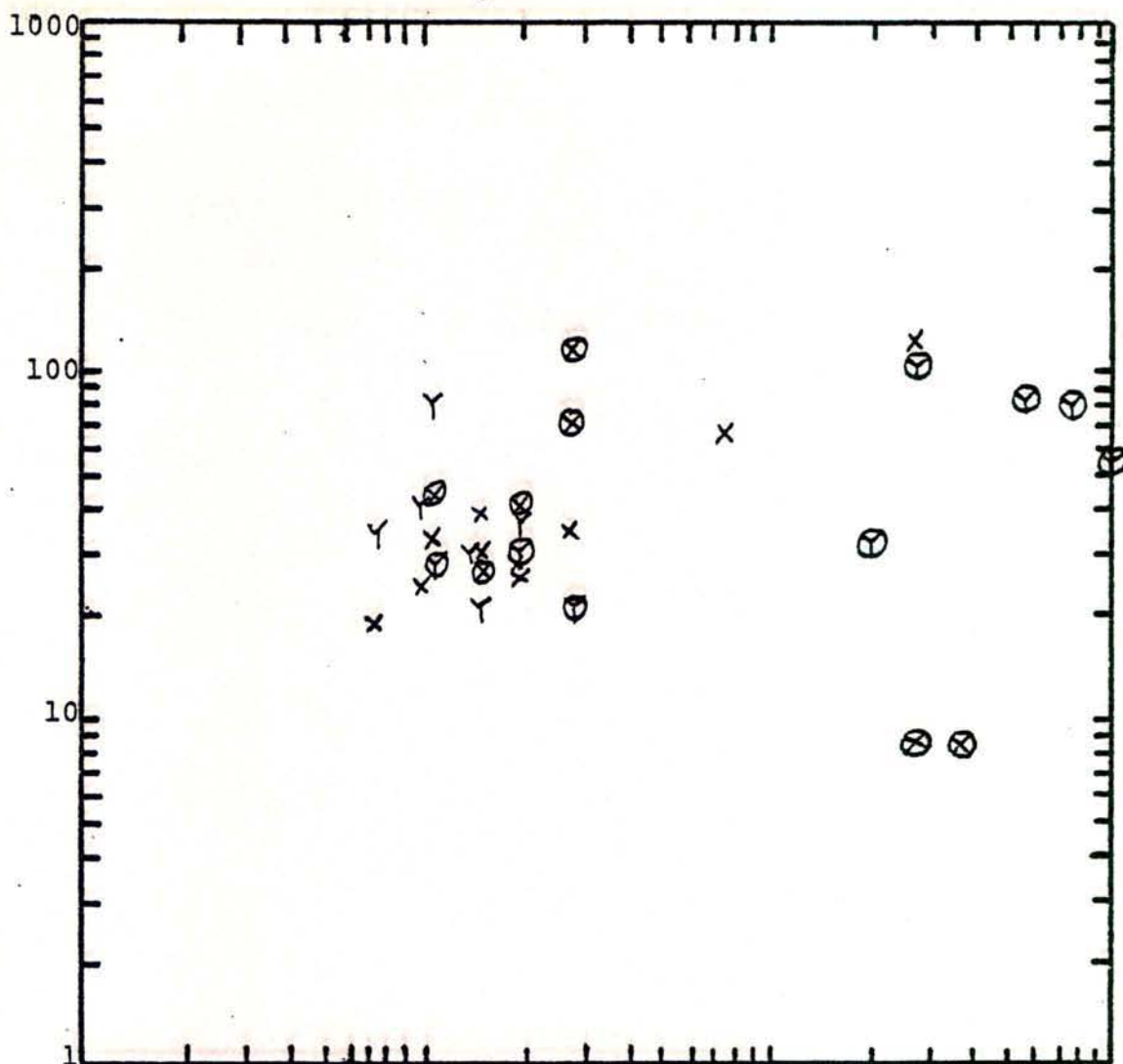
PROSPECT McCOY, NEVADA

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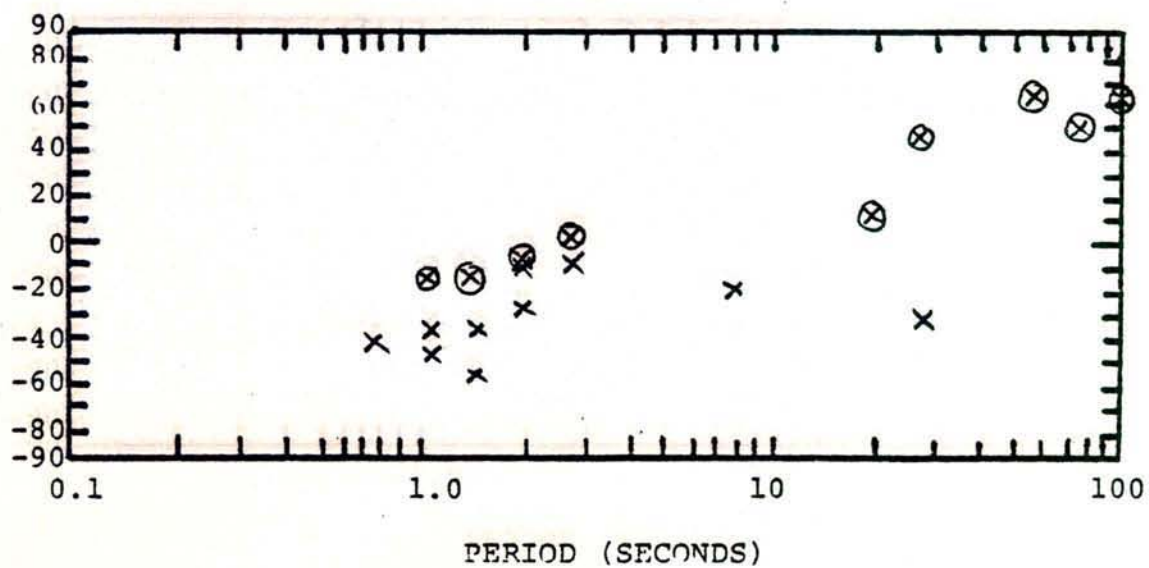
STATION B3 X,Y

M4 ⊗, ⊙

ROTATED APPARENT RESISTIVITY (OHM-METERS)  
X AXIS (X); Y AXIS (Y)



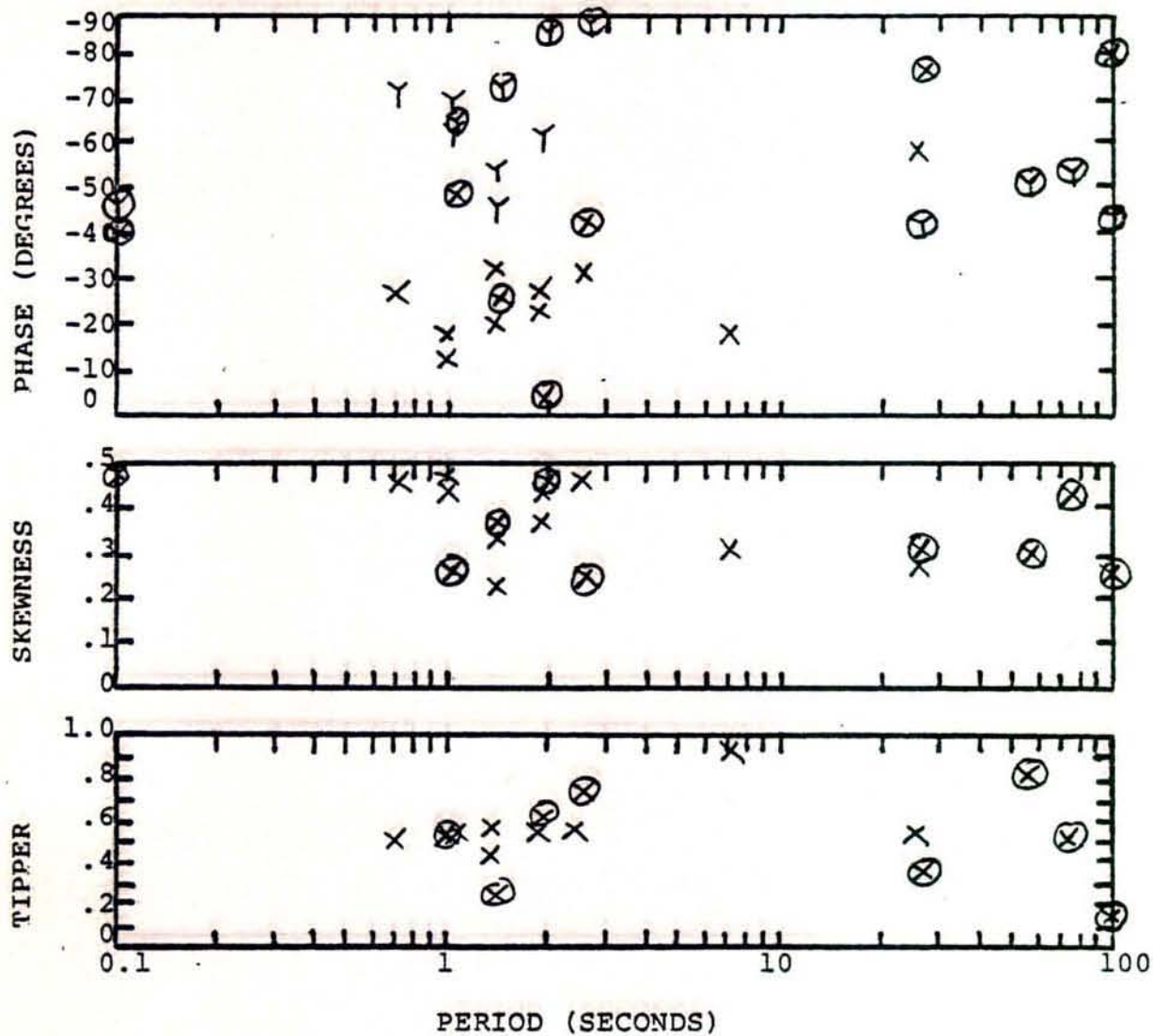
ROTATION ANGLE  
STRIKE (S); AXES (%)



MCCOY, NEVADA

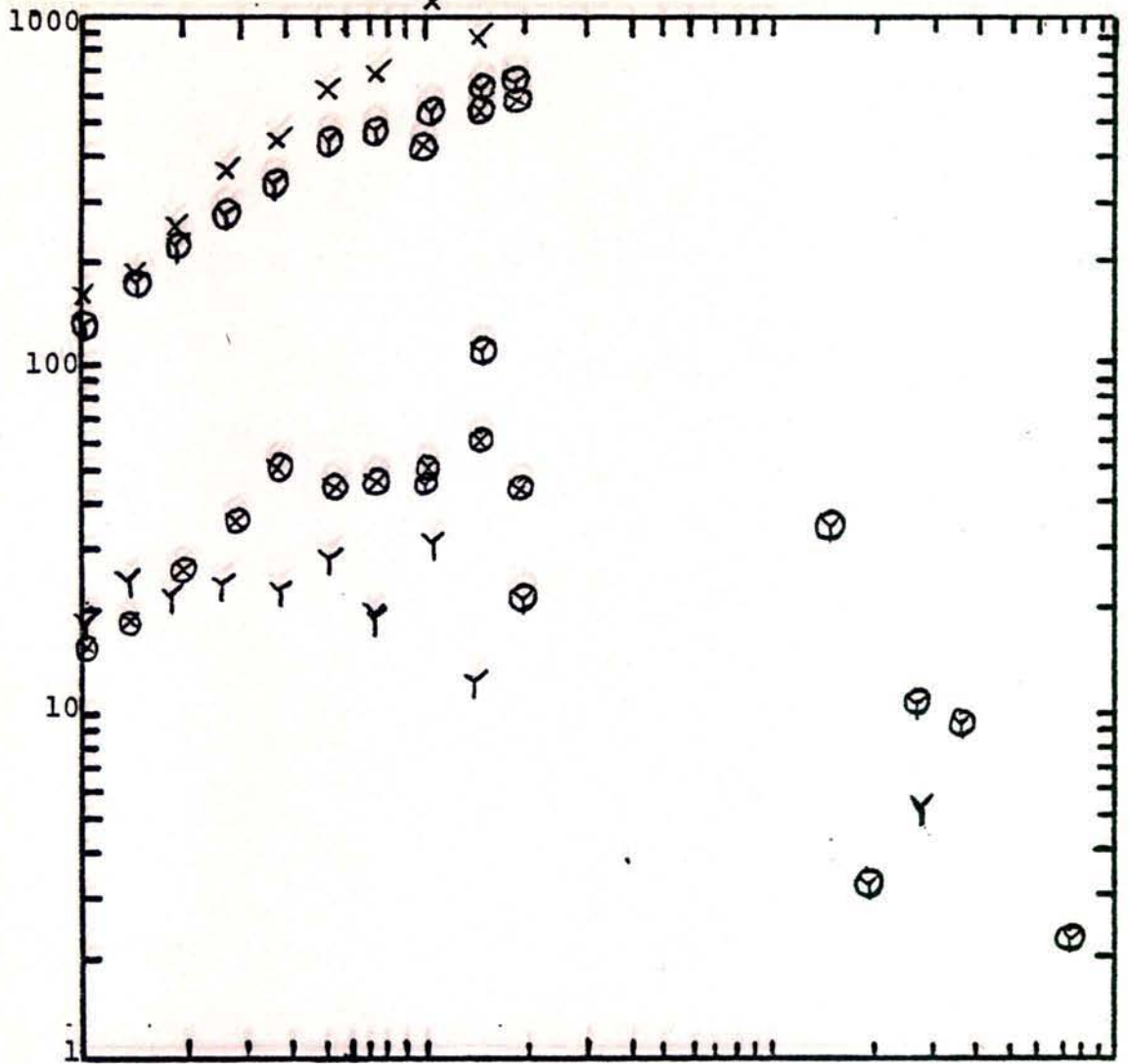
STATION B3 X,Y

M4 ⊗, ⊙

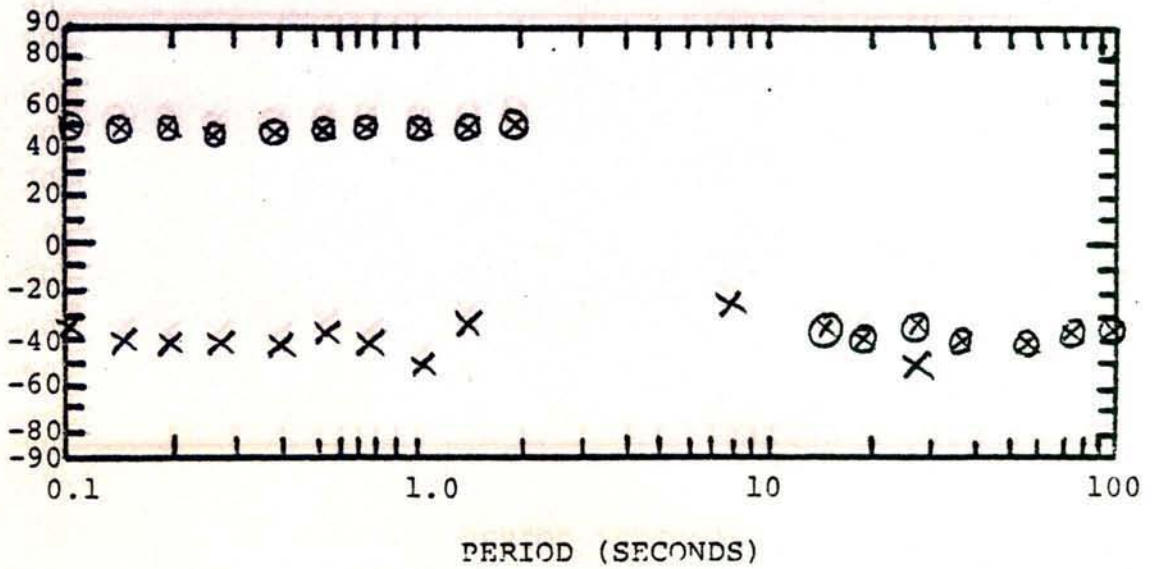


PROSPECT McCOY, NEVADA  
 STATION A3 X Y  
 A5 ⊗, ⊙

ROTATED APPARENT RESISTIVITY (OHM-METERS)  
 X AXIS (X); Y AXIS (Y)



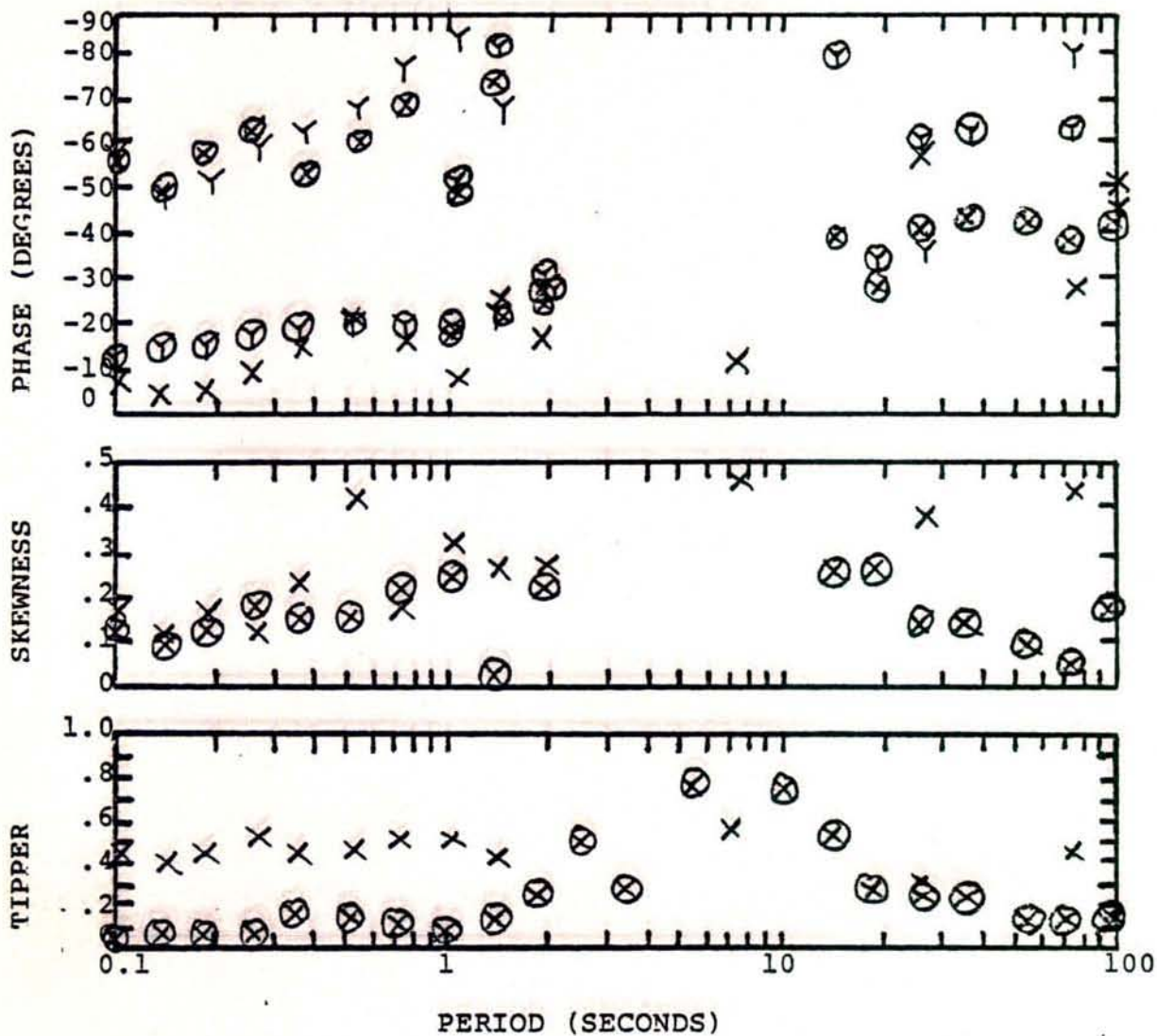
ROTATION ANGLE  
 STRIKE (S); AXES (X)



McCOY, NEVADA

STATION A3, X, Y

A5 ⊗, ⊙



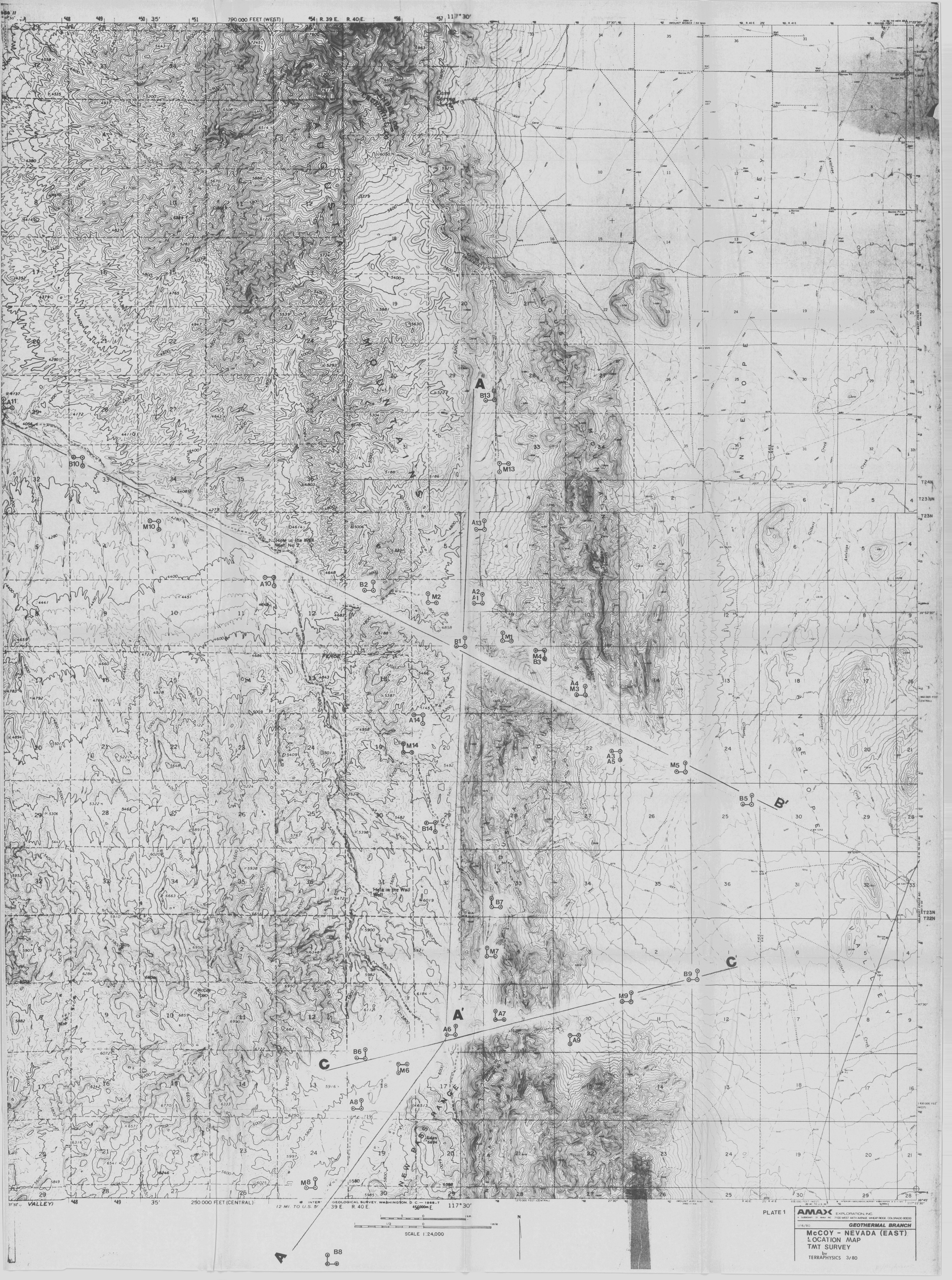


PLATE 1  
AMAX EXPLORATION, INC.  
GEOHERMAL BRANCH  
MCCOY - NEVADA (EAST)  
LOCATION MAP  
TMT SURVEY  
TERRAPHYSICS 3/80



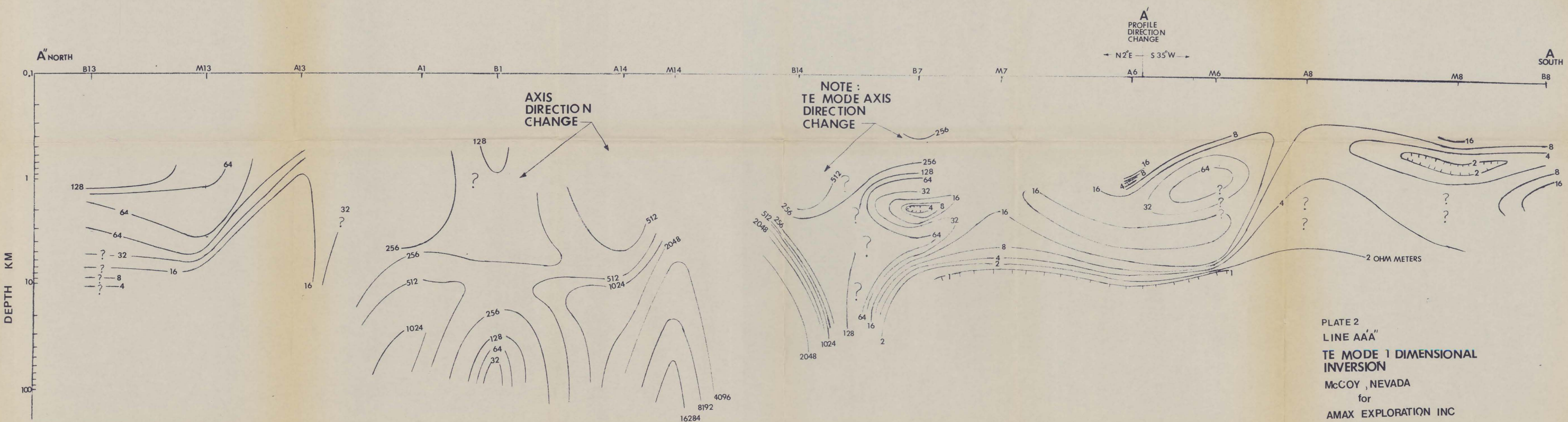


PLATE 2  
 LINE AAA'  
 TE MODE 1 DIMENSIONAL  
 INVERSION  
 McCOY, NEVADA  
 for  
 AMAX EXPLORATION INC  
 by  
 TERRAPHYSICS 3/80

B WEST

B EAST

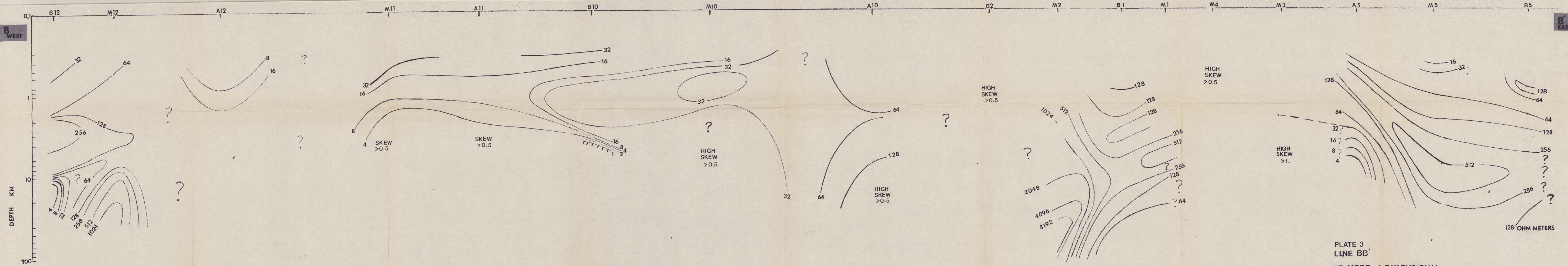


PLATE 3  
 LINE BB'  
 TE MODE 1 DIMENSIONAL  
 INVERSION  
 McCOY, NEVADA  
 for  
 AMAX EXPLORATION INC.  
 by  
 TERRAPHYSICS 3/80

*NV/Mc/Amex-5*

C WEST B6 M6 A6 A7 A9 M9 B9 C' EAST

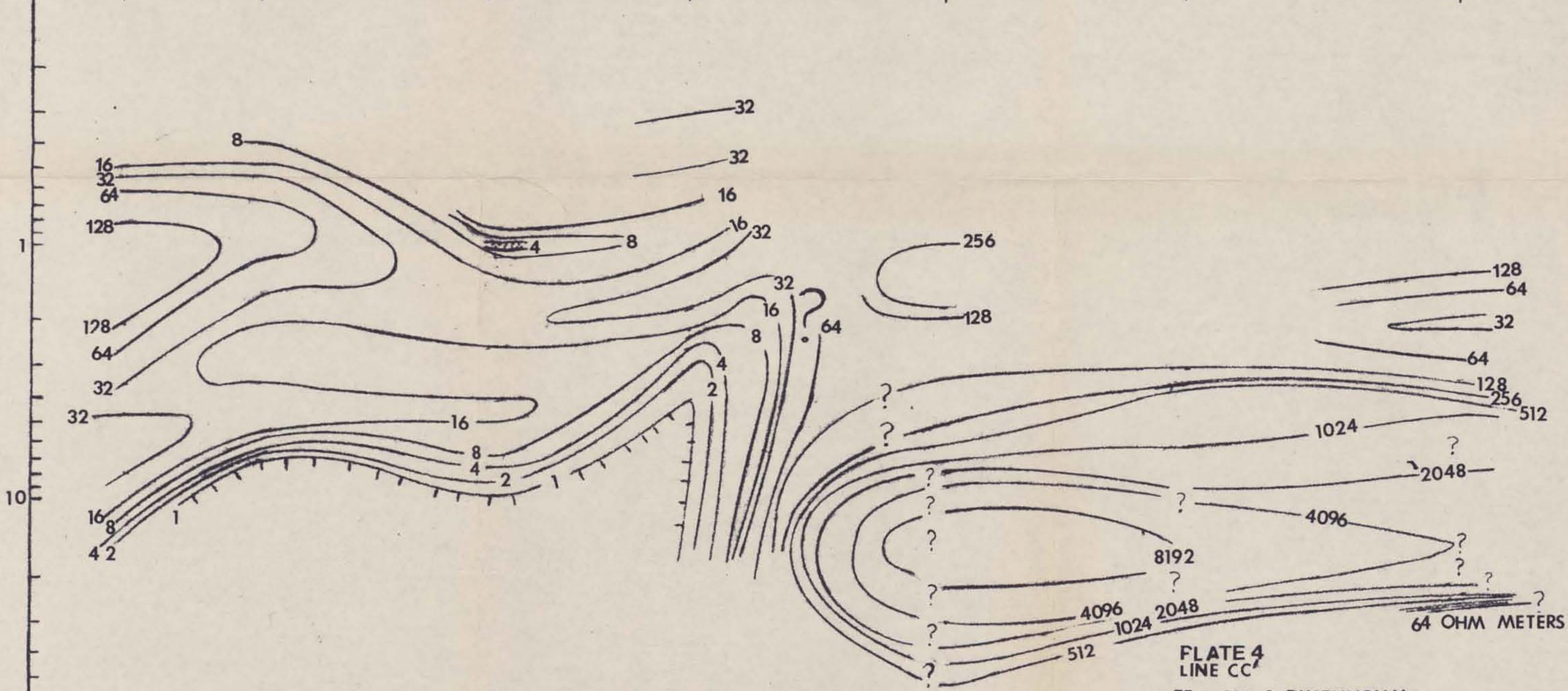
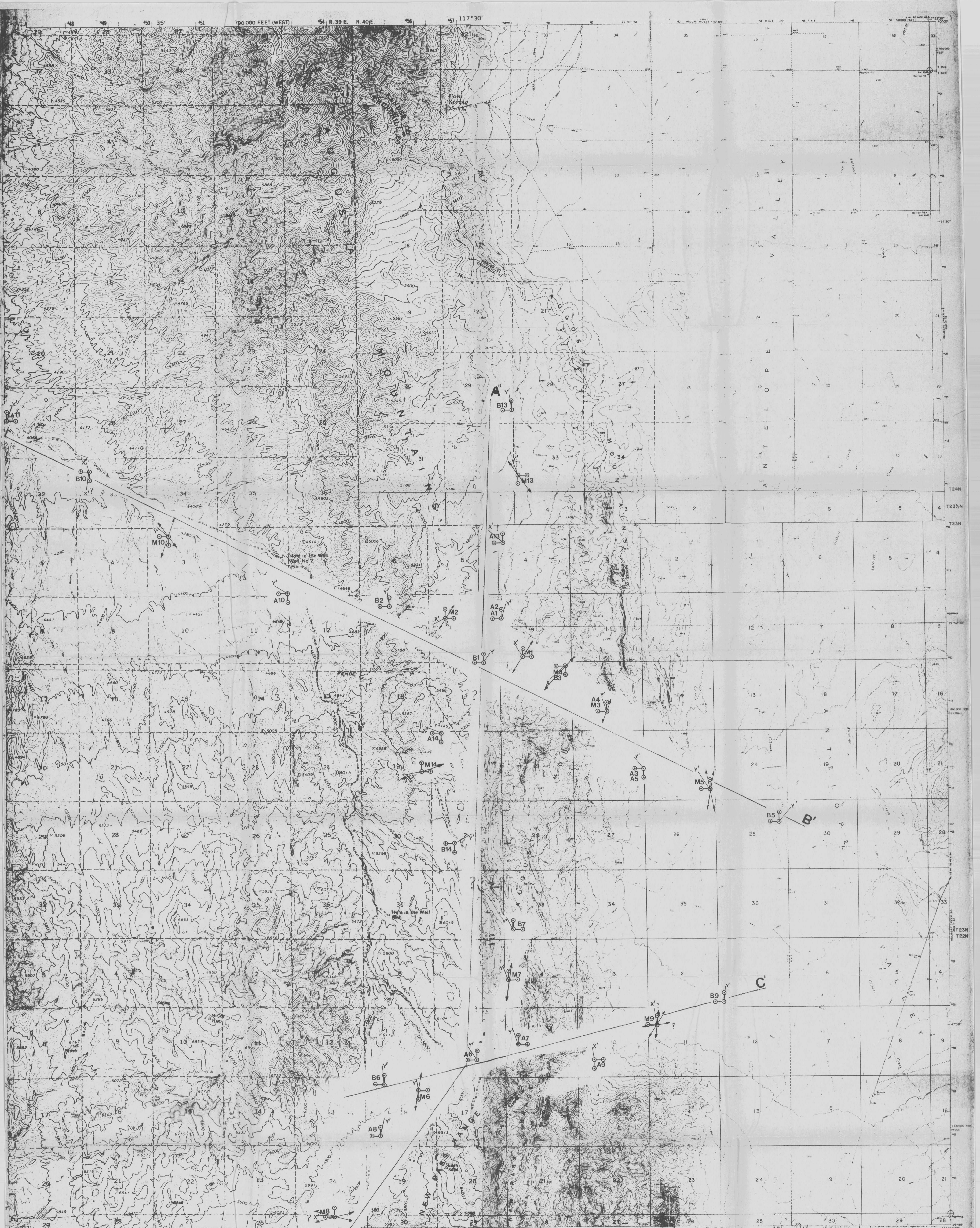


PLATE 4  
 LINE CC'  
 TE MODE 1 DIMENSIONAL  
 INVERSION  
 McCOY NEVADA  
 for  
 AMAX EXPLORATION INC  
 by  
 TERRAPHYSICS 3/80

*Handwritten notes:*  
 8/1/80  
 J.A. [unclear]

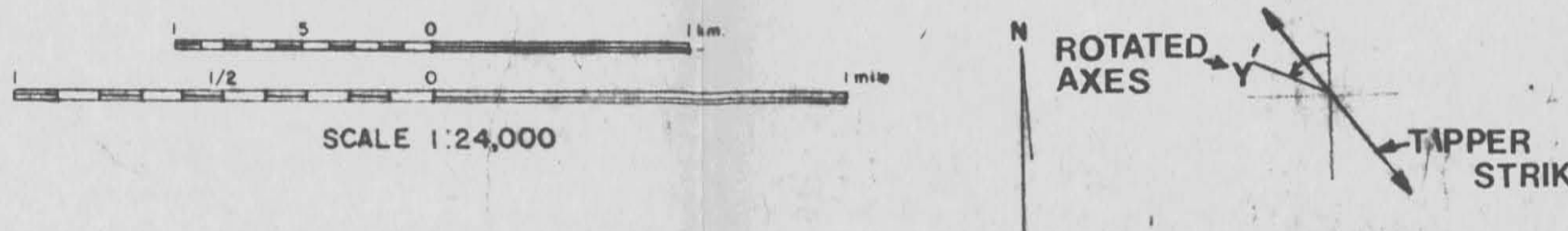


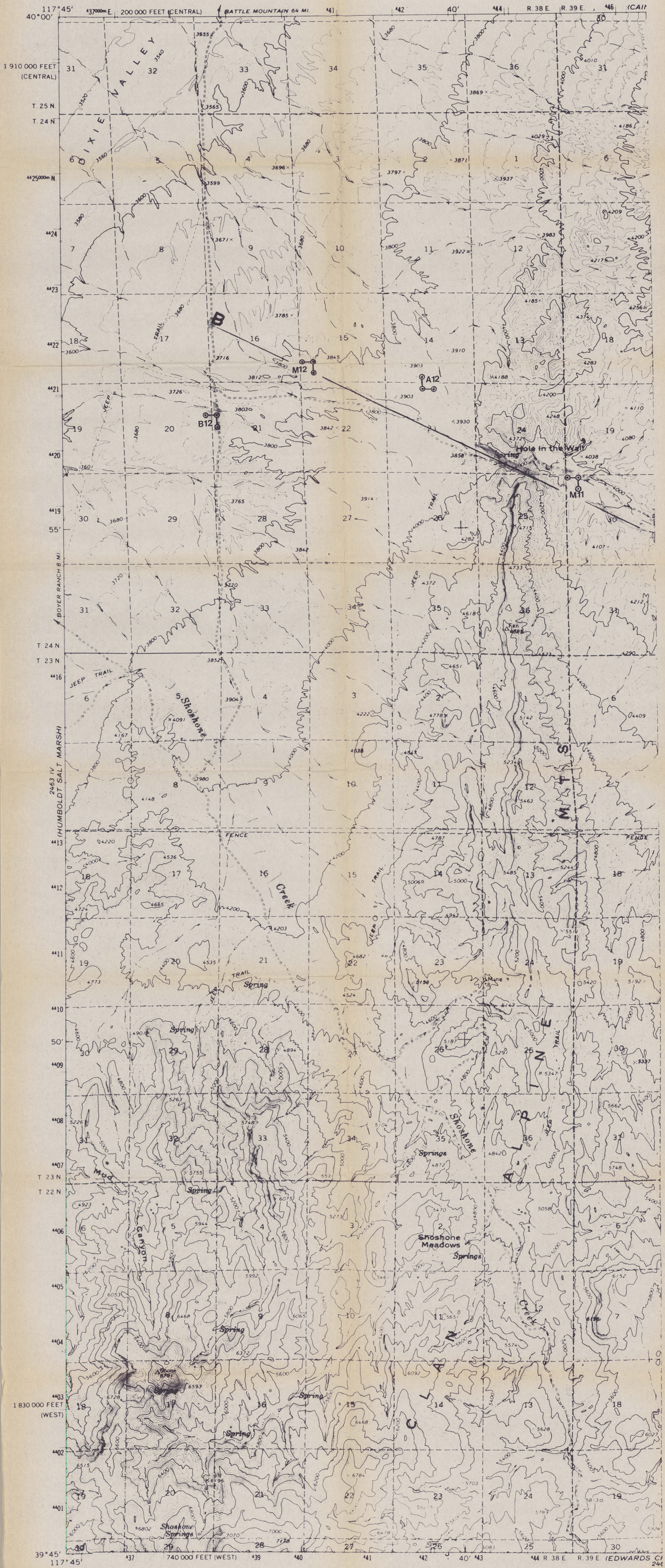
48 49 50 35' 51 790 000 FEET (WEST) 54 R. 39 E. R. 40 E. 56 57 117° 30'

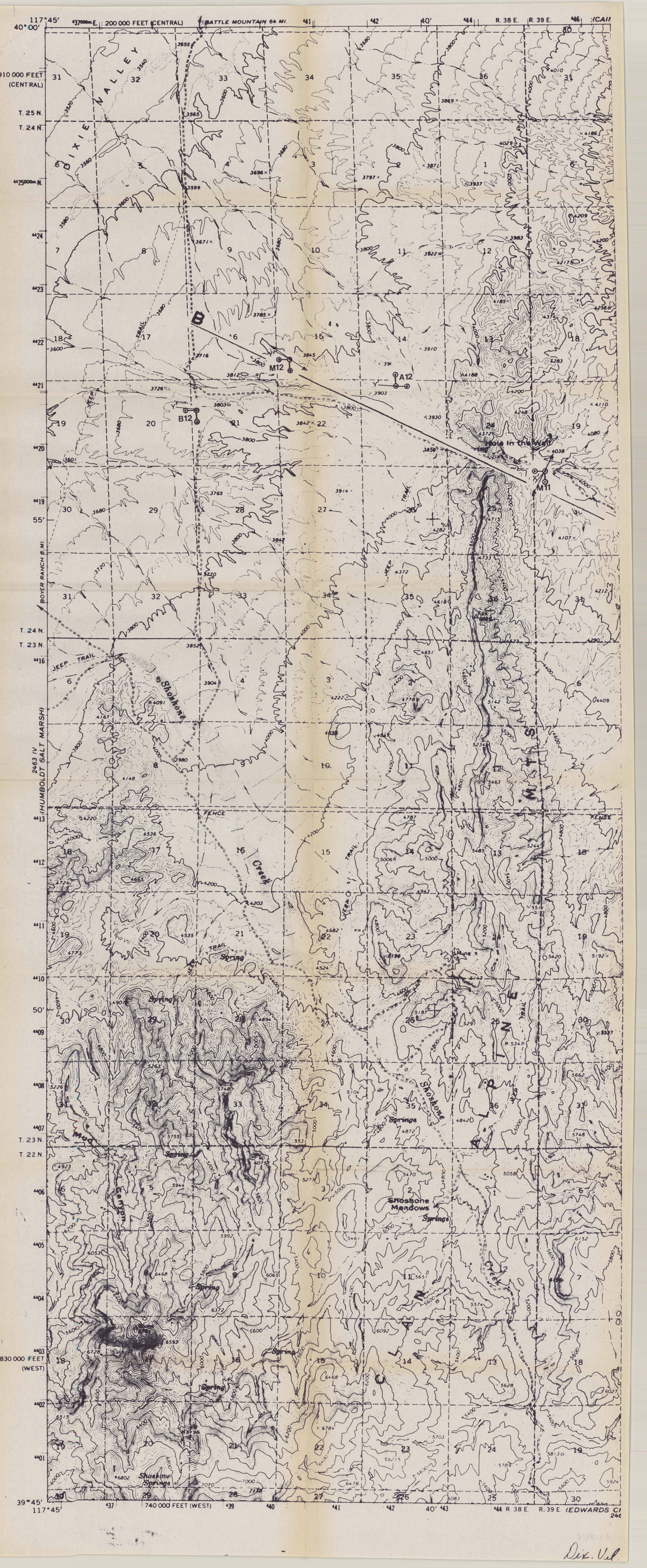
VALLEY 48 49 35' 290 000 FEET (CENTRAL) GEOLOGICAL SURVEY WASHINGTON D. C. - 1888-1 117° 30' 39 E. R. 40 E. 56 57 117° 30'

PLATE 5

**AMAX** EXPLORATION, INC.  
 GEOTHERMAL BRANCH  
**McCOY - NEVADA (EAST)**  
 LOCATION MAP  
 TMT SURVEY  
 TERRAPHYSICS 3/80







Dix. Val.