



INTERN RAPPORT.

DATO: Febr. 1984

RAPPORT NR: 1468

KARTBLAD 1833 III

Antall sider  
— " — bilag

SAKSBEARBEIDER FINN HANSEN

RAPPORT VEDRØRENDE:

Low frequency electromagnetic and magnetic vertical field measurements in the Bidjovagge Consession and Gulf Joint Venture Area Summer 1983.

RESYMÉ:

The survey was conducted in order to locate and detail a selection of HEM anomalies outlined by NGU surveyed summer 1980 and 1981 (Sander system, Reports no. NGU 1783/1833). Data reprocessed by Dighem Ltd, Report no 1381.

Fifteen localities were considered priority target areas for follow up work, of which 5 are inside The Bidjovagge Consession /Gulf Joint Venture Area.

This is area: 13<sup>x)</sup>, 14<sup>x)</sup>, 51, 52, 53 and are enclosed in this report. Area 52 proved difficult to survey under summer conditions due to swamps. One single line, 100 m coil sep., indicates target to be deep. Resurveying under winter conditions with wider coil sep. necessary here.

The areas are presented in such a way that the reader is able to do his/hers own interpretation without having to work with raw data. A listing of data are available on request.

Areas 37, 38, 40 A+B, 44, 45, 46, 47, 48, 49, 50 are inside The Superior Oil Joint Venture Area and reported on in a similar way in report no. 1469.

x) See report no. 1370.

Instrumentation:

LFEM. Apex MaxMin II 1777/222 Hz (Area 13: in addition  
MAGN., McPhar M 700 Vert.field comp. 3555 Hz)  
MAGN.BASE, McPhar M 700/Rustrak chartrecorder  
DATA REC./PLOT, APPLE II

FORDELING

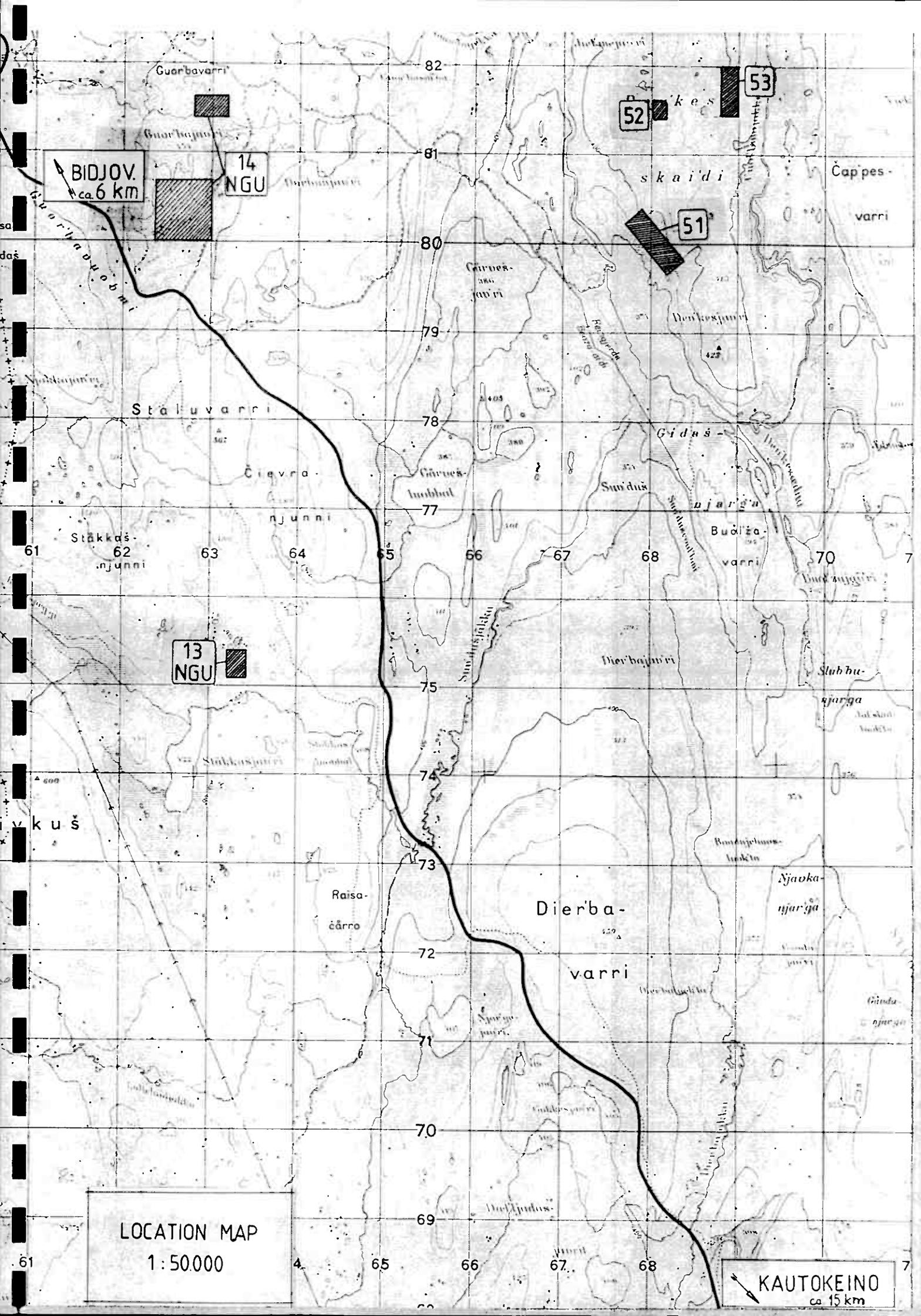
OSLO:


KIRKENES:


ANDRE:


KOMMENTAR:

This is a preliminary statusreport of Feb. 84 displaying the geophysical data as surveyed and plotted from the areas listed above.



BIDJOV.  
ca 6 km

14  
NGU

13  
NGU

52

53

51

Staluvatti

Stakkas-  
järvi

Čievra-  
järvi

Gärves-  
järvi

Gärves-  
järvi

Gidas-  
järvi

Dierbajuri

Dierba-  
varri

Čappes-  
varri

Sluhhu-  
järvi

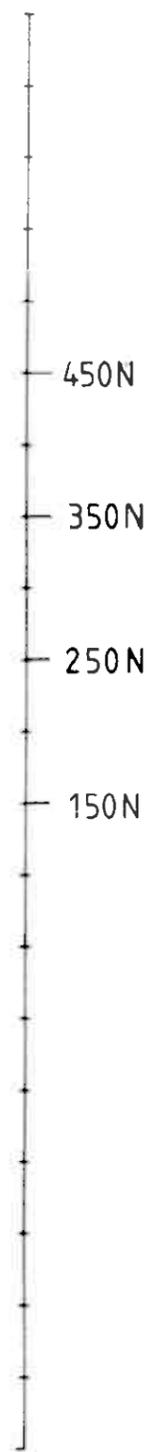
Njaka-  
järvi

LOCATION MAP

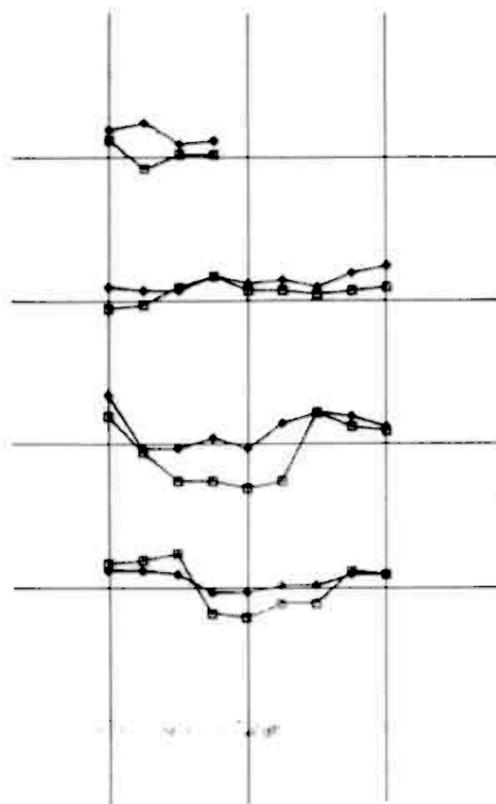
1:50000

KAUTOKEINO  
ca 15 km

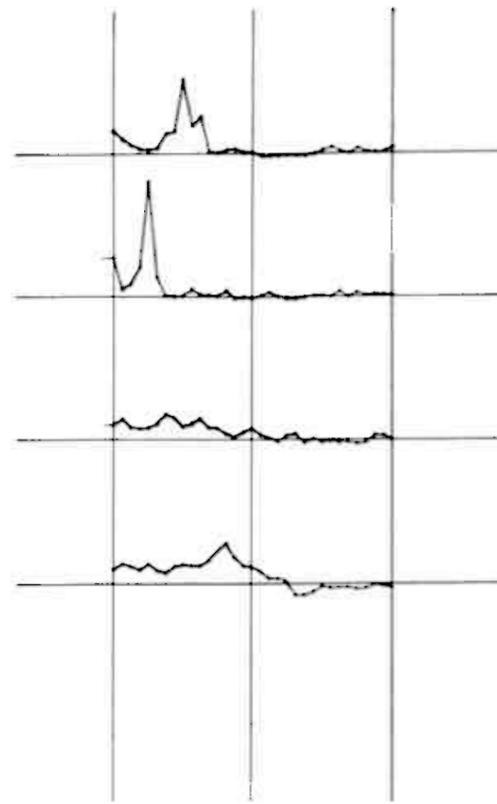




300E - 500E



300E - 500E



OMR, 13NGU 3555

HZ 100 M COIL SEP.

ELEMENT MARKØR

RH    
 IH  

OMR 13NGU  
 EM - MAG  
 KAUTOKEINO

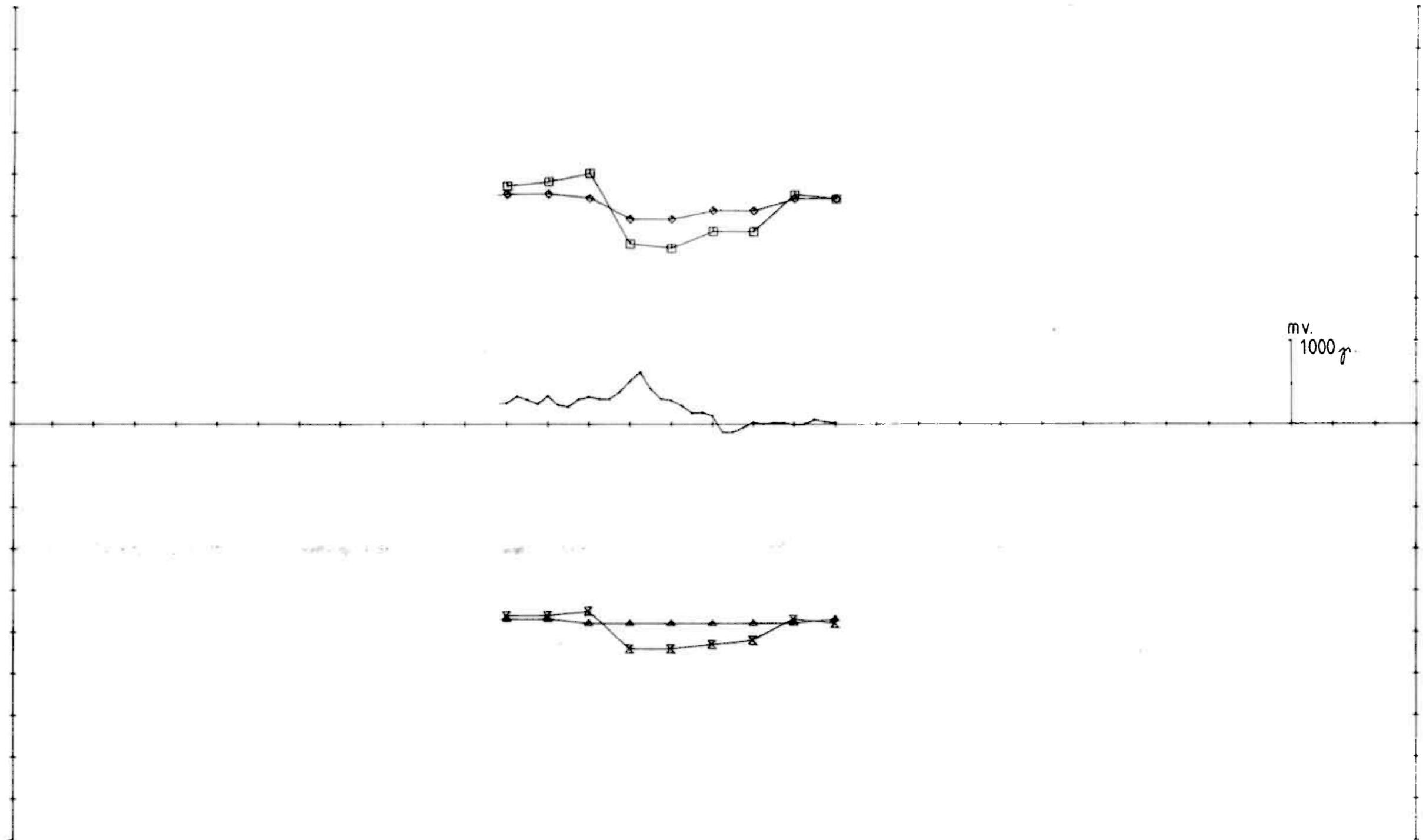
SCALE  
 1:2500

OBS.	07-83
DRAW. TKZ	12-83
TRAC. Apple	12-83
CHK.	

**1/8 SULFIDMALM**

MAP NO.

MAP SHEET



OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 150N.

ELEMENT	MARKOR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	5.0	500.0	10.0
IH	□—□	-8.0	10.0	500.0	10.0
RL	▲—▲	0.0	3.0	-500.0	10.0
IL	⊗—⊗	-4.0	5.0	-500.0	10.0

X - SKALEBING 100.0  
 X - OFFSET 1100.0  
 X = 0 - 3000 DELER  
 Y = +/- 1000 DELER

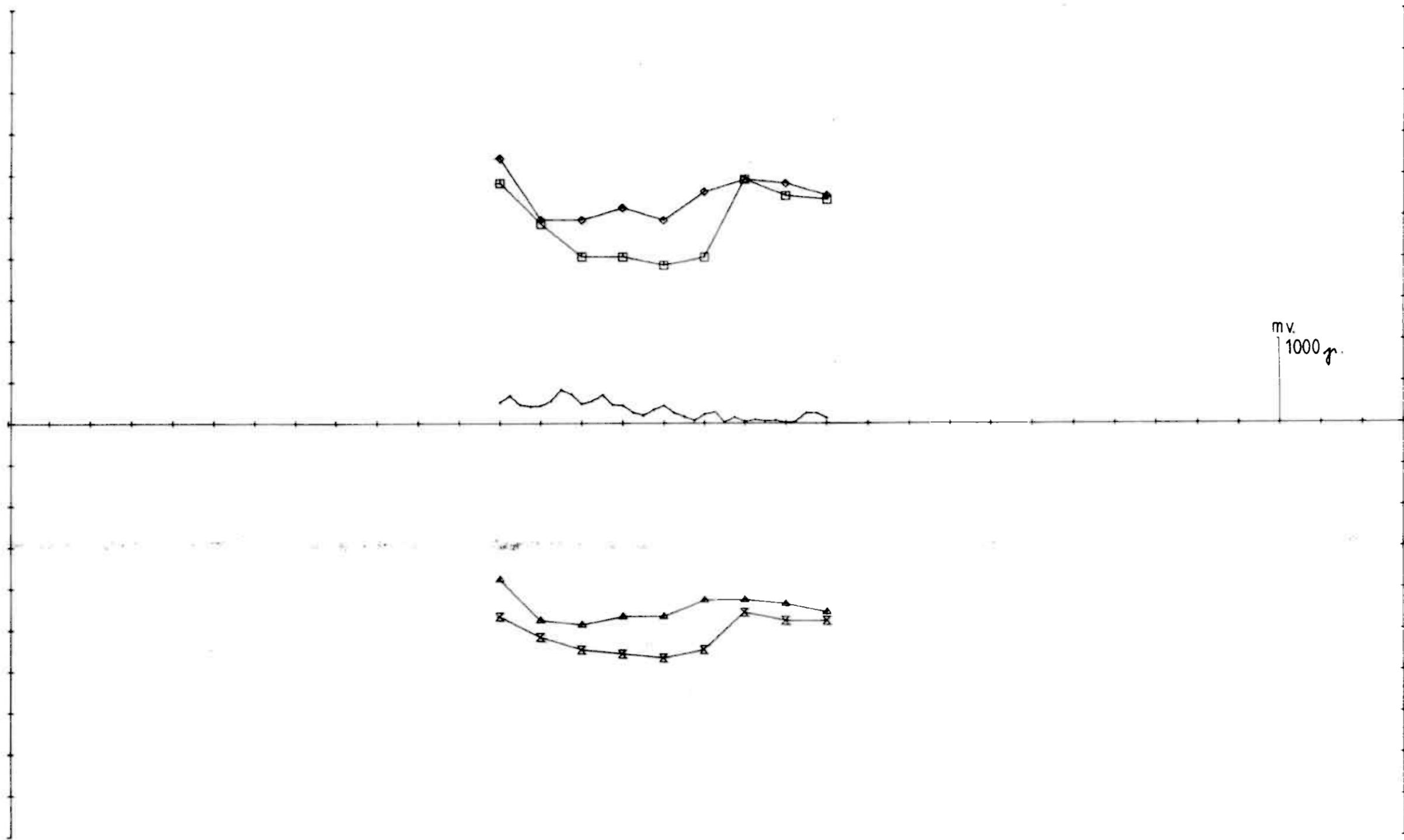
OMR 13NGU  
 EM - MAG  
 KAUTOKEIND

SCALE 1:2500	OBS.	07-83
	DRAW. TKZ	12-83
	TRAC. Apple	12-83
	CHK.	

$\frac{1}{8}$  SULFIDMALM

MAP NO.

MAP SHEET



OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 250N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	14.0	500.0	10.0
IH	◻—◻	-12.0	9.0	500.0	10.0
RL	▲—▲	0.0	12.0	-500.0	10.0
IL	×—×	-7.0	4.0	-500.0	10.0

X - SKALERING 100.0  
 K - OFFSET 1100.0  
 X = 0 - 3000 DELER  
 Y = +/- 1000 DELER

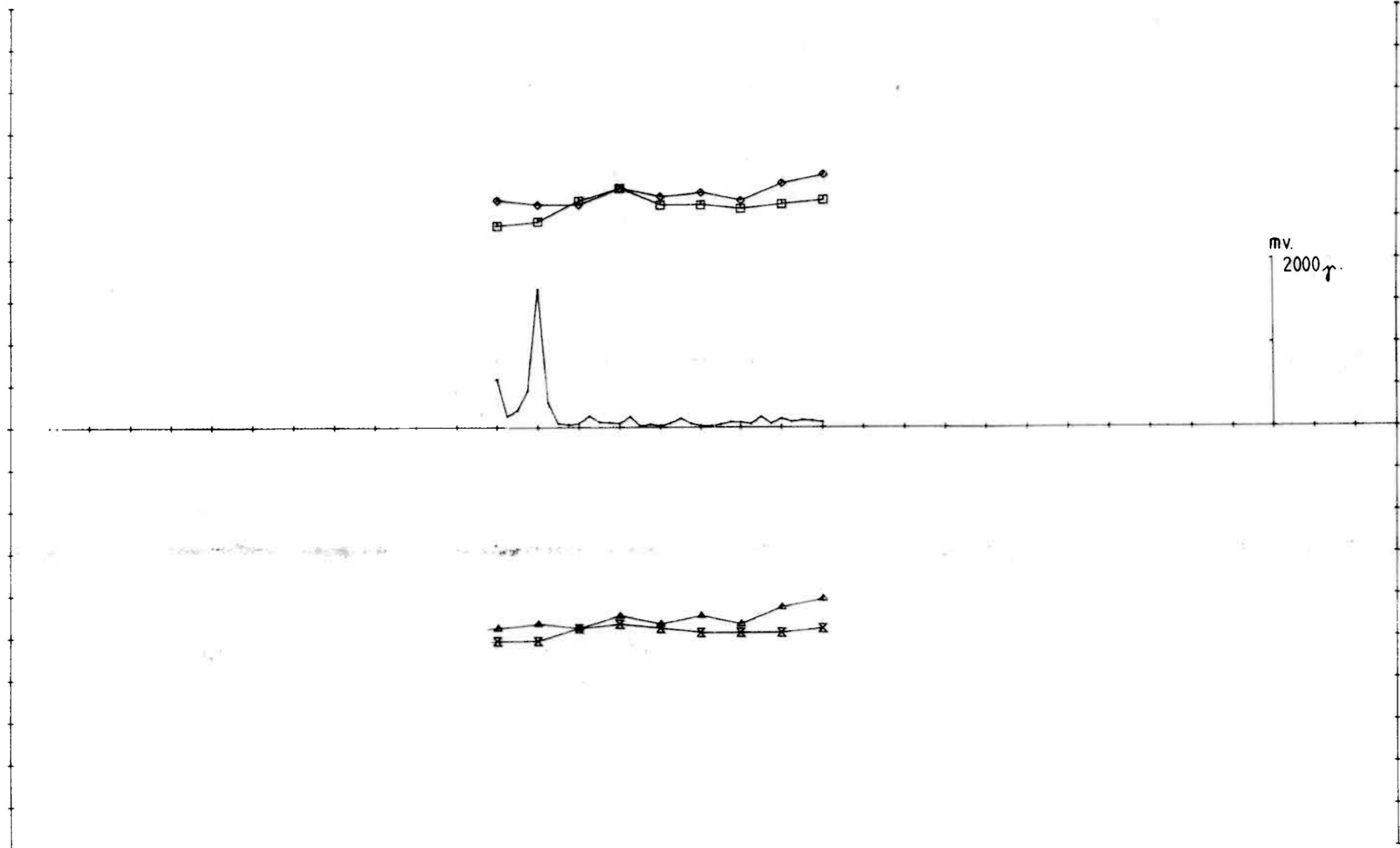
OMR 13NGU  
 EM - MAG  
 KAUTOKEIN

SCALE 1:2500	OBS.	07-83
	DRAW. <i>TKJ</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/3 SULFIDMALM**

MAP NO.

MAP SHEET



OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 350N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	0.0	10.0	500.0	10.0
IH	◻—◻	-2.0	7.0	500.0	10.0
RL	▲—▲	0.0	9.0	-500.0	10.0
IL	×—×	-1.0	3.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 1100.0  
 X = 0 - 3000 DELER  
 Y = +/- 1000 DELER

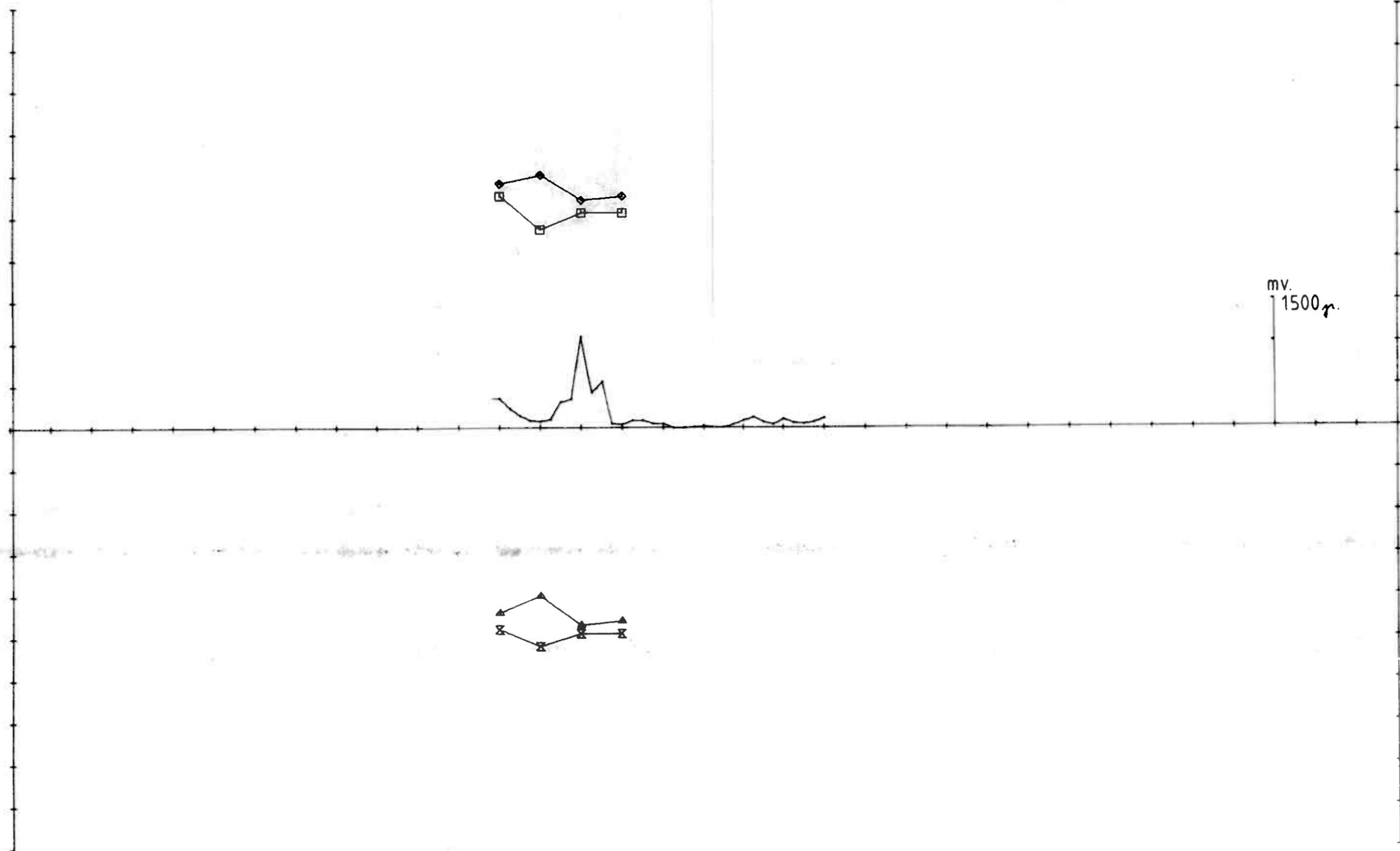
OMR 13 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE 1:2500	OBS.	07-83
	DRAW. TKf	12-83
	TRAC. Apple	12-83
	CHK.	

1/8 SULFIDMALM

MAP NO.

MAP SHEET



OMR, 13NGU 3555/1777 HZ 100 M COIL SEP.

ELEMENT	MARKÖR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	0.0	10.0	500.0	10.0
IH	◻—◻	-3.0	5.0	500.0	10.0
RL	▲—▲	0.0	10.0	-500.0	10.0
IL	⊗—⊗	-2.0	2.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 1100.0  
 X = 0 - 3000 DELER  
 Y = +/- 1000 DELER

OMR 13 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE 1:2500	OBS.	07-83
	DRAW. TKJ	12-83
	TRAC. Apple	12-83
	CHK.	

1/8 SULFIDMALM

MAP NO.	
MAP SHEET	

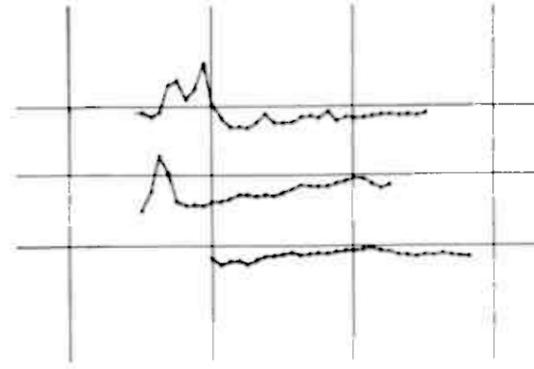
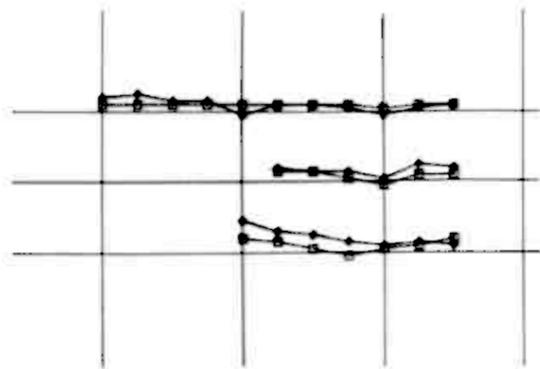


627 - 629

627 - 629

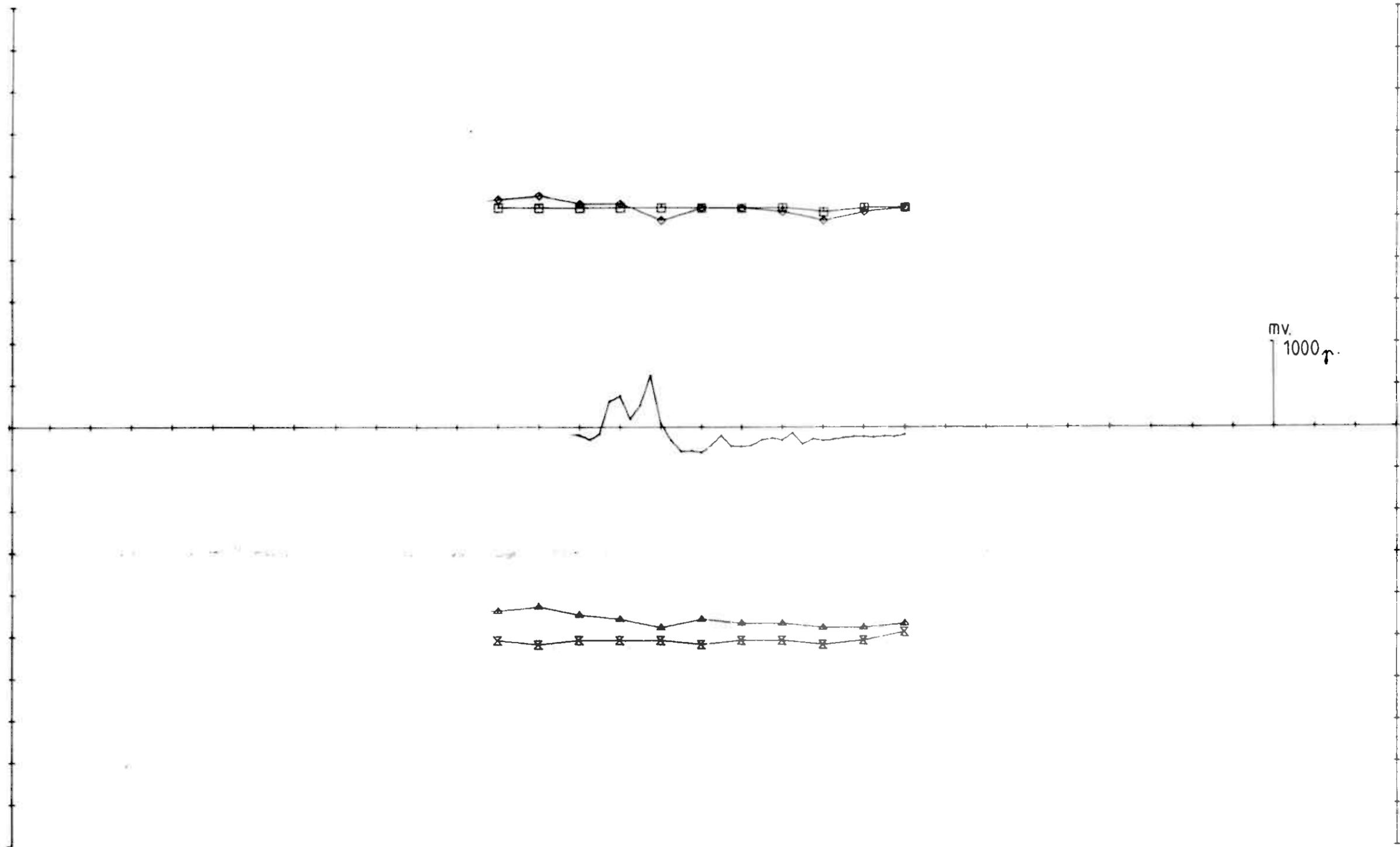


815,0  
814,5  
814,0



OMR, 14NGU 1777. HZ 100 M COIL SEP,  
ELEMENT MARKØR MIN. VERJ  
RH   
IH

OMR 14NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:5000	DRAW. TKZ	12-83
TRAC. Apple		12-83	
CHK.			
<b>1/5 SULFIDMALM</b>	MAP NO.		
	MAP SHEET		

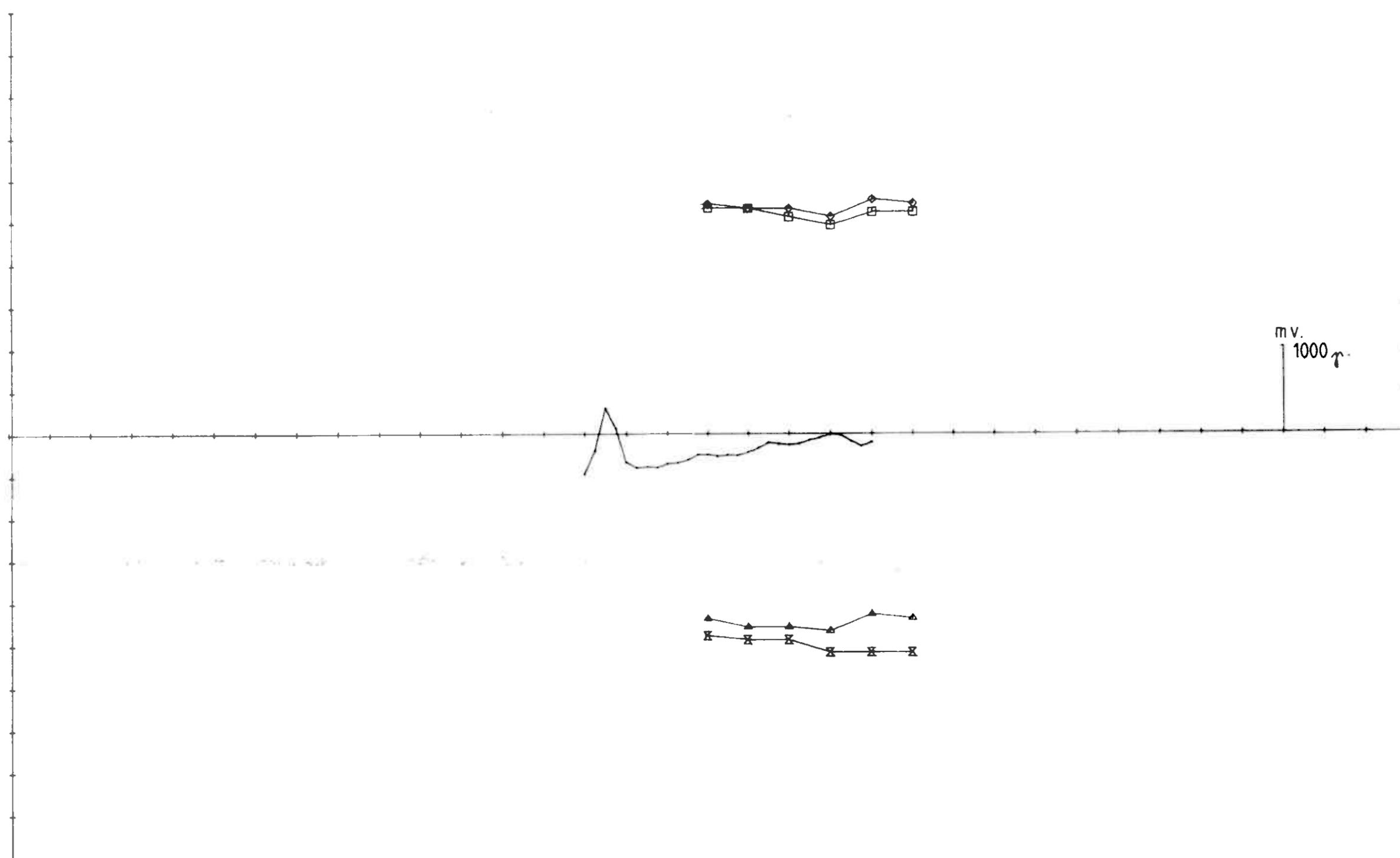


OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8150.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	5.0	-500.0	10.0
IH	□—□	0.0	2.0	-500.0	10.0
RL	▲—▲	0.0	2.0	-500.0	10.0
IL	×—×	-2.0	1.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 1100.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 14 NGU EM - MAG KAUTOKEINO	SCALE	OBS.	07-83
	1:2500	DRAW. <i>TKZ</i>	12-83
TRAC. <i>Apple</i>		12-83	
CHK.			
<b>1/8 SULFIDMALM</b>	MAP NO.		
	MAP SHEET		



OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8145.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◊—◊	0.0	5.0	-500.0	10.0
IH	◻—◻	-1.0	3.0	500.0	10.0
RL	▲—▲	0.0	7.0	-500.0	10.0
IL	⊗—⊗	-2.0	2.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 1600.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

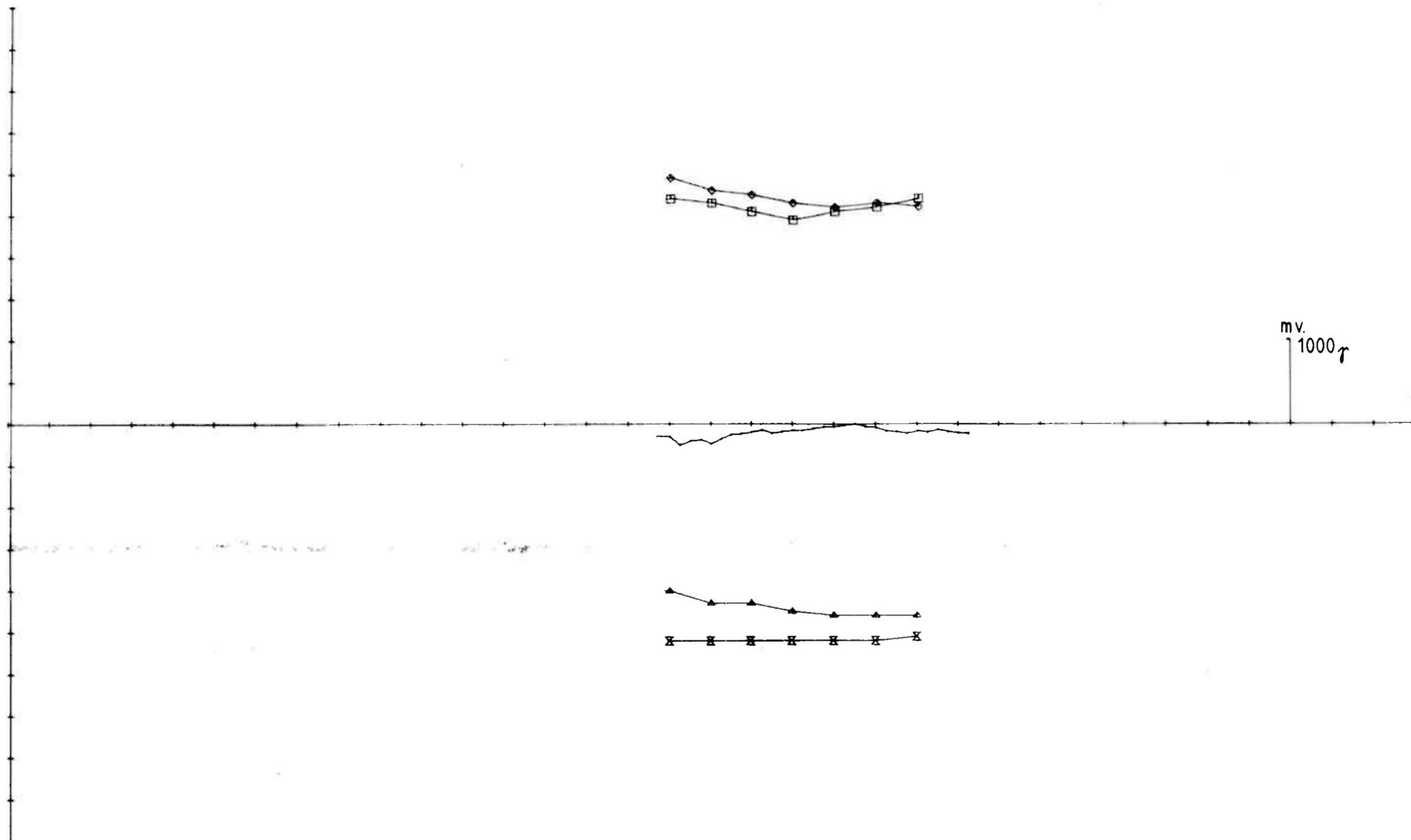
OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE 1:2500	OBS.	07-83
	DRAW. <i>TKg</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.

MAP SHEET



OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8140.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	0.0	9.0	500.0	10.0
IH	◻—◻	-1.0	4.0	500.0	10.0
RL	▲—▲	0.0	10.0	-500.0	10.0
IL	×—×	-2.0	0.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 1500.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

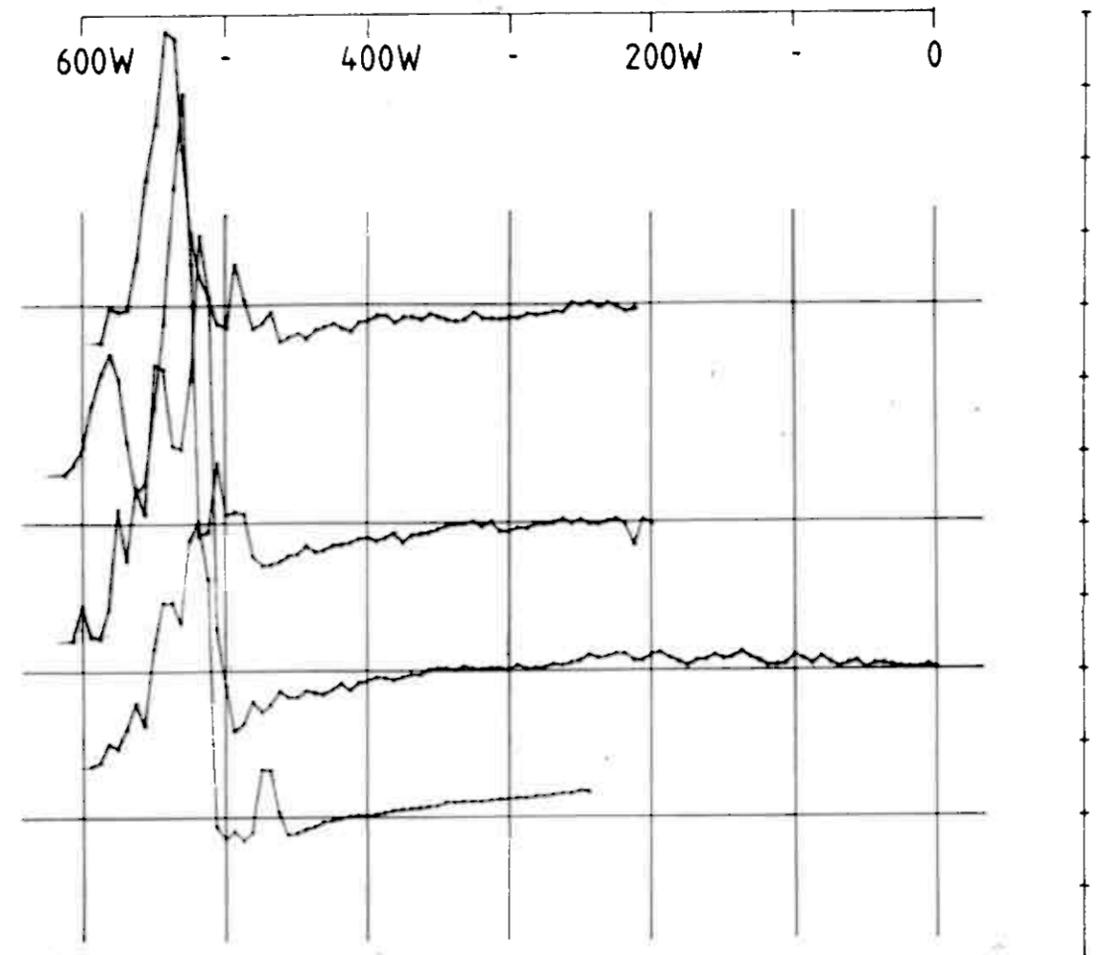
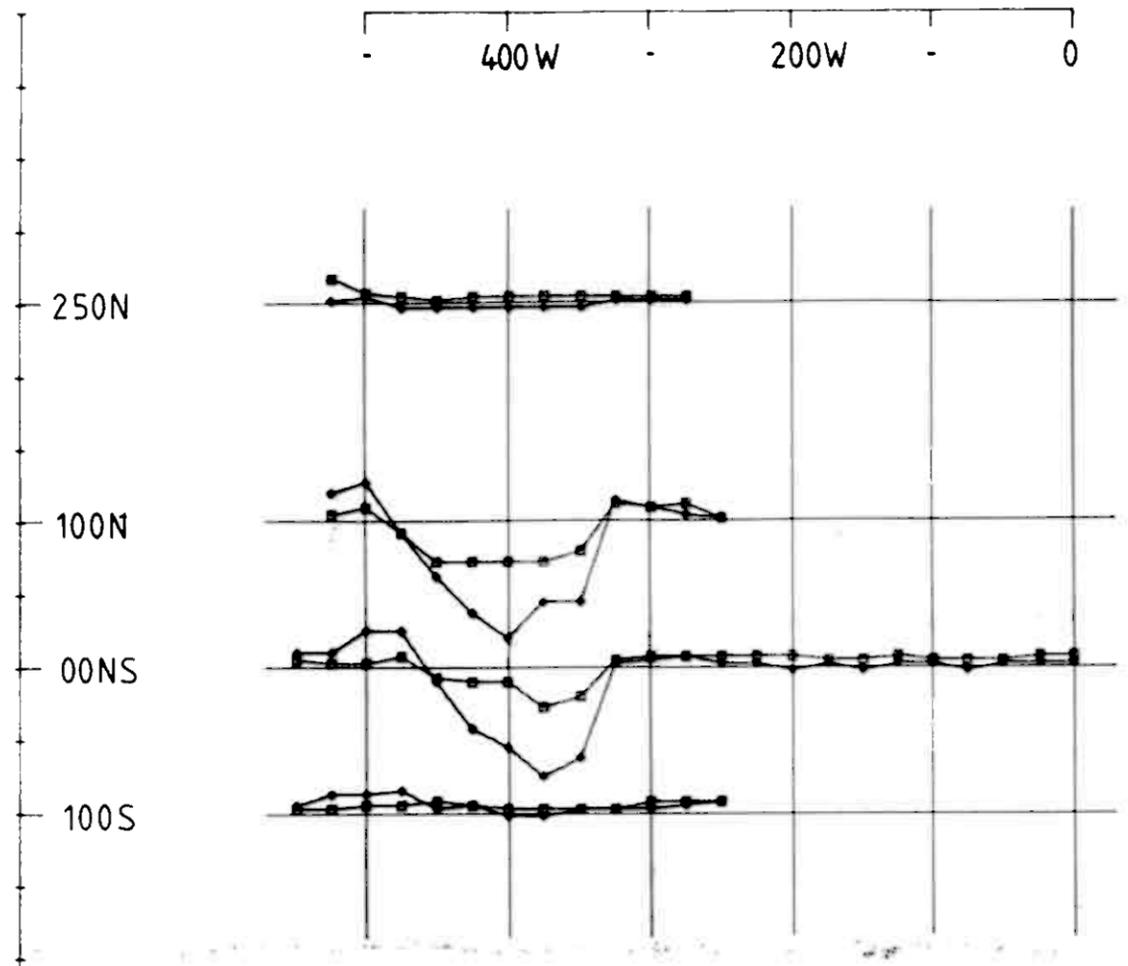
OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE	OBS.	07-83
1:2500	DRAW. TKJ	12-83
	TRAC. Apple	12-83
	CHK.	

$\frac{1}{8}$  SULFIDMALM

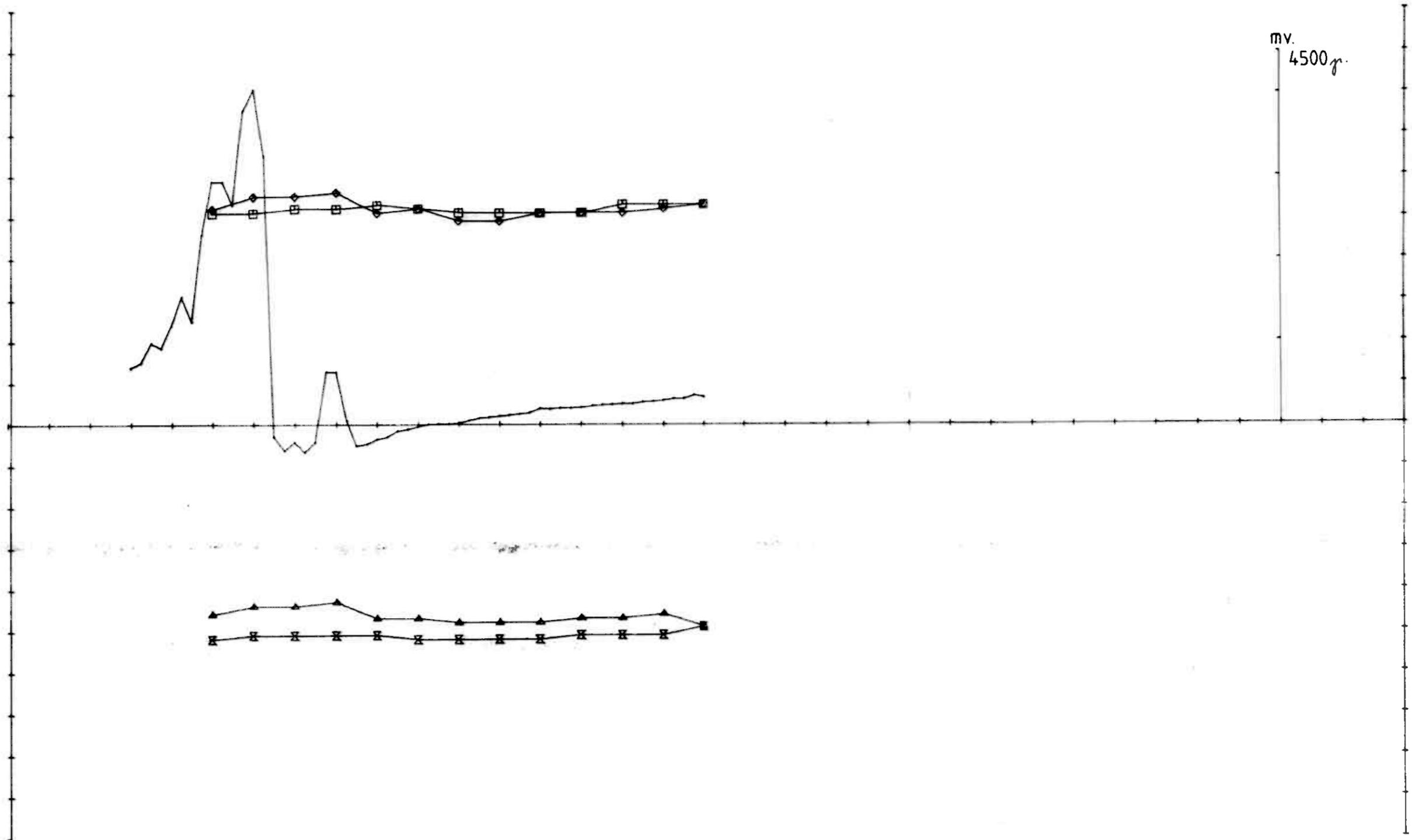
MAP NO.

MAP SHEET



OMR, 14NGU 1777 HZ 100 M COIL SEP,  
 ELEMENT MARKOR  
 RH  $\blacklozenge$   
 IH  $\blacksquare$

OMR 14 NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:5000	DRAW. <i>TKG</i>	12-83
TRAC. <i>Apple</i>		12-83	
CHR.			
<b>1/5 SULFIDMALM</b>	MAP NO.		
	MAP SHEET		



OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 100S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	6.0	500.0	10.0
IH	□—□	0.0	3.0	500.0	10.0
RL	▲—▲	0.0	7.0	-500.0	10.0
IL	×—×	-2.0	1.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 500.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

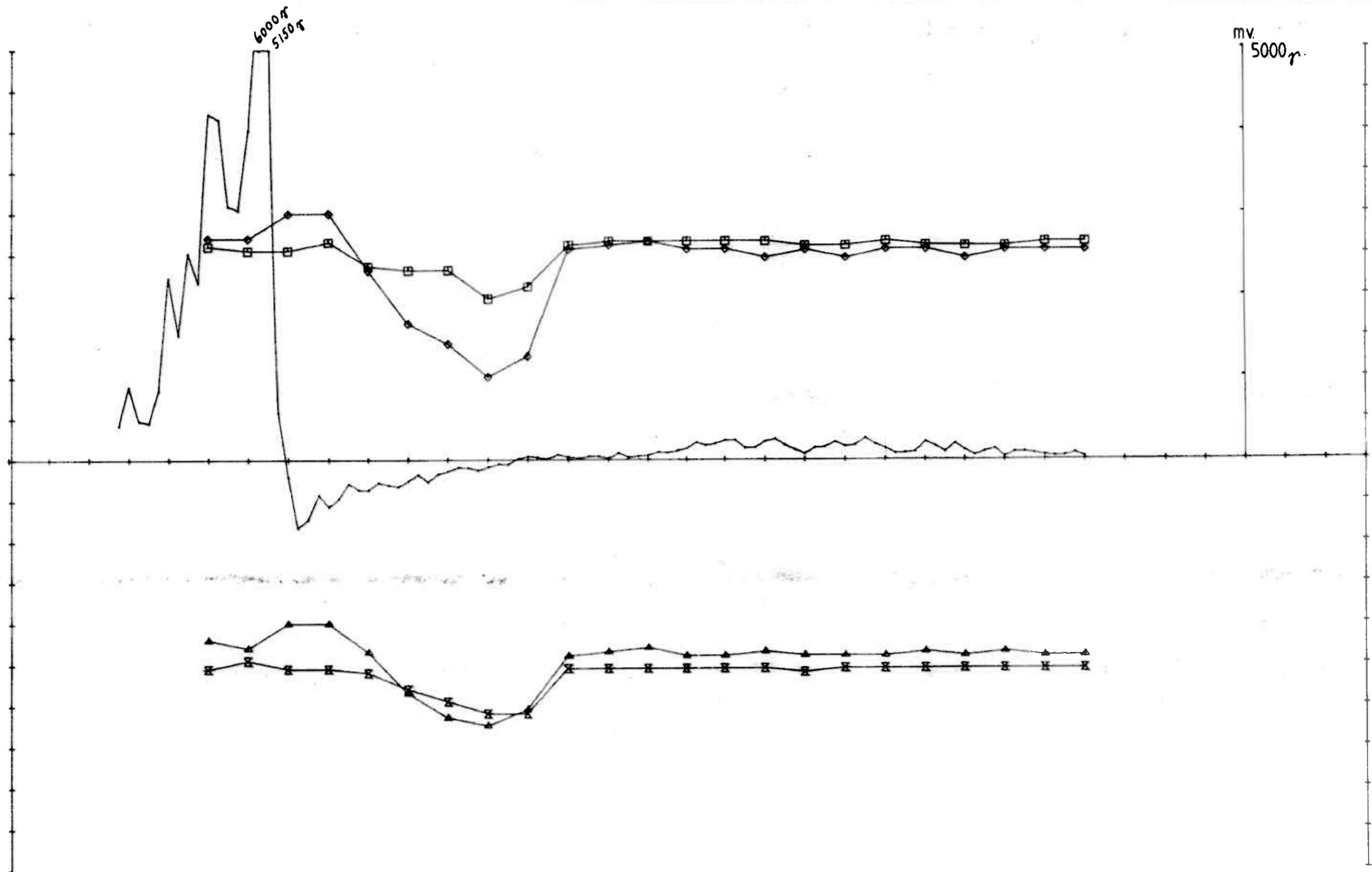
OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE 1:2500	OBS.	07-83
	DRAW. <i>TKZ</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

$\frac{1}{8}$  SULFIDMALM

MAP NO.

MAP SHEET



OMR, 14NGU 1777/222 HZ 100M COIL SEP, 00NS.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-30.0	10.0	500.0	10.0
IH	□—□	-11.0	3.0	500.0	10.0
RL	▲—▲	-15.0	10.0	-500.0	10.0
IL	×—×	-12.0	1.0	-500.0	10.0

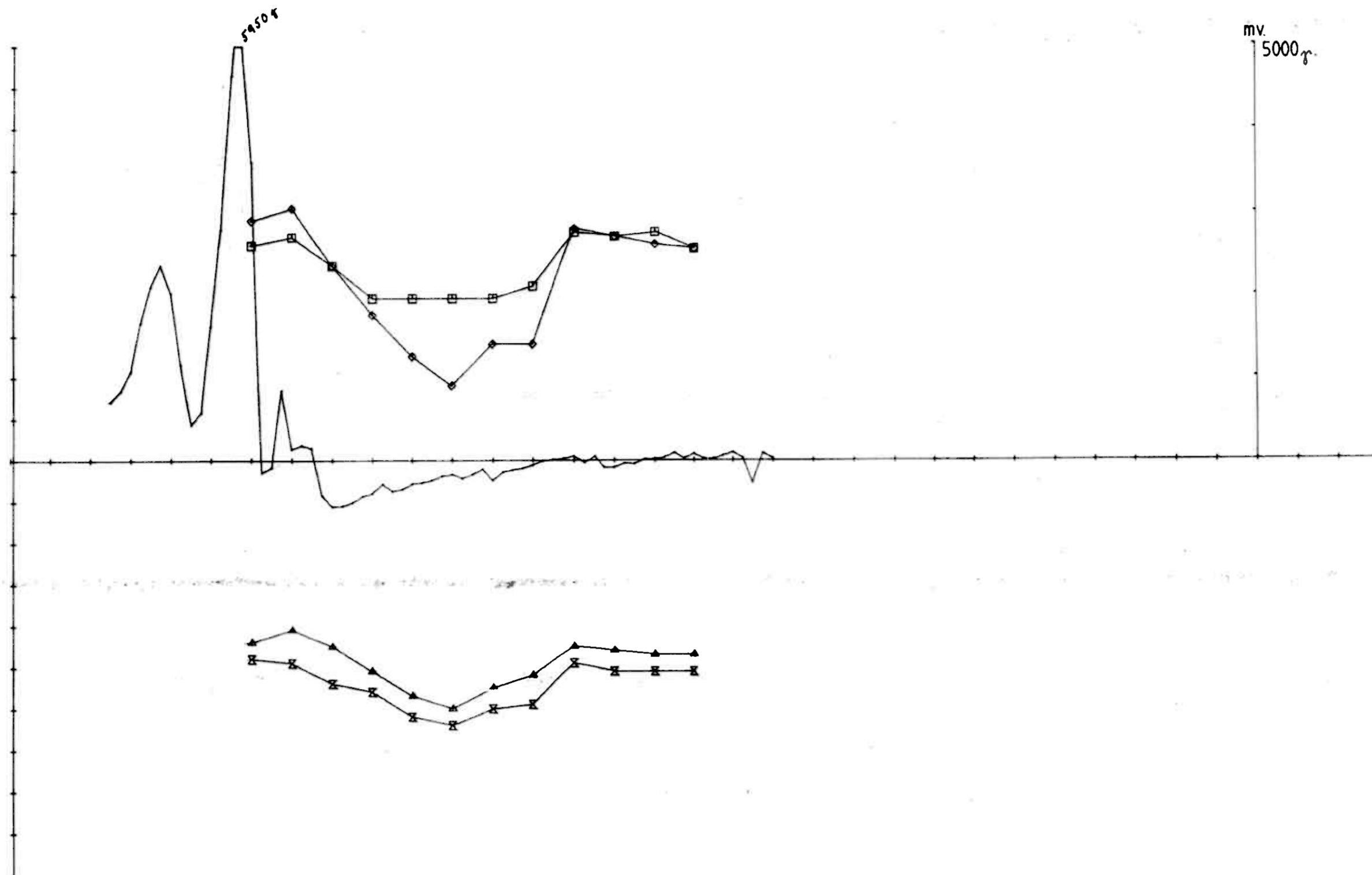
X - SKALERING 100.0  
 X - OFFSET 300.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE	OBS.	07-83
1:2500	DRAW.	TKZ 12-83
	TRAC.	Apple 12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.  
 MAP SHEET



OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 100N.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-32.0	11.0	500.0	10.0
IH	□—□	-11.0	5.0	500.0	10.0
RL	▲—▲	-10.0	8.0	-500.0	10.0
IL	×—×	-14.0	2.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 500.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

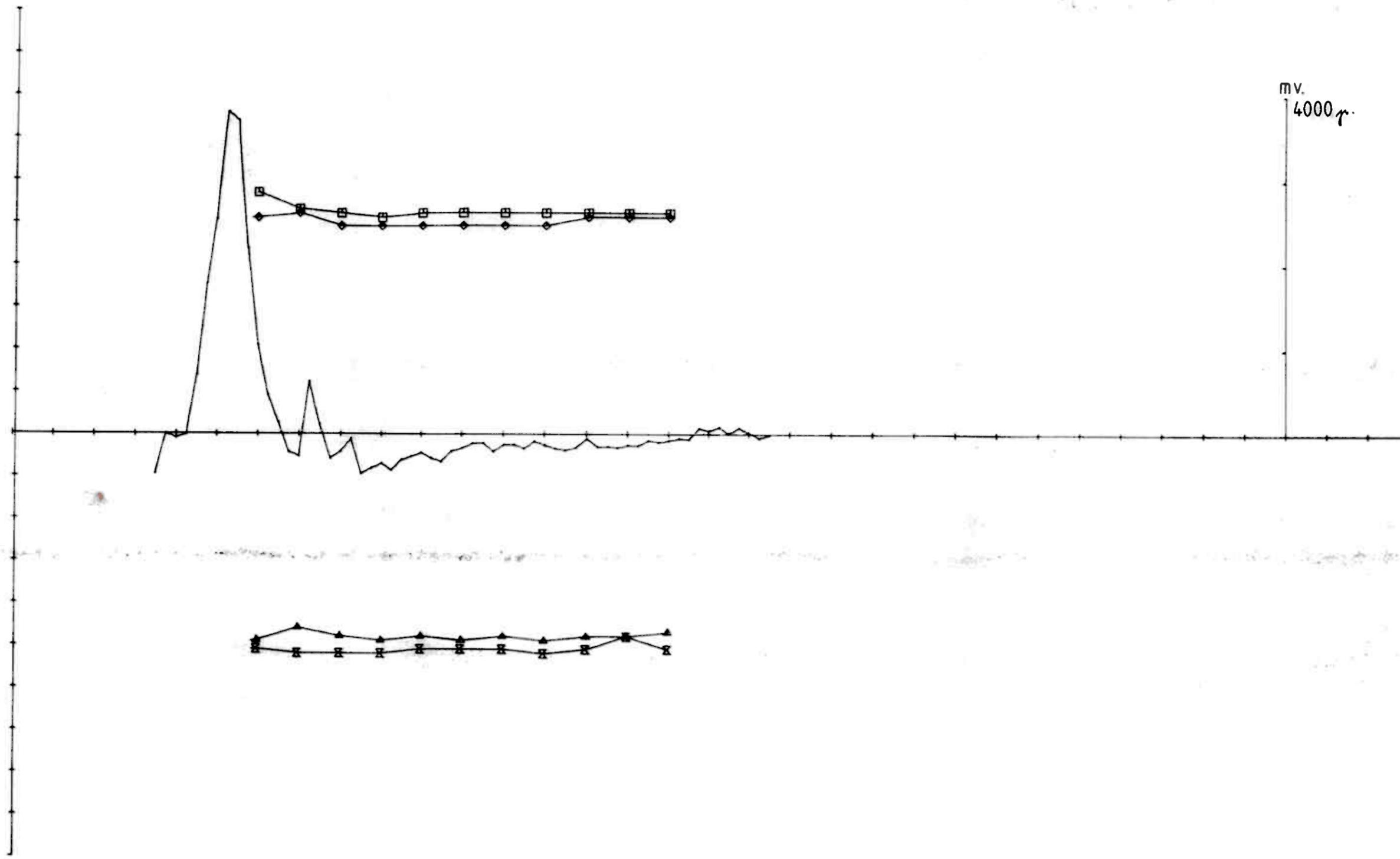
OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN

SCALE	OBS.	07-83
1:2500	DRAW. TKZ	12-83
	TRAC. Apple	12-83
	CHK.	

$\frac{N}{S}$  SULFIDMALM

MAP NO.

MAP SHEET



OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 250N.

ELEMENT	MARKOR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	2.0	500.0	10.0
IH	□—□	0.0	7.0	500.0	10.0
RL	▲—▲	0.0	3.0	-500.0	10.0
IL	×—×	-2.0	2.0	-500.0	10.0

X - SKALERING 100.0  
 X - OFFSET 500.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 14 NGU  
 EM - MAG  
 KAUTOKEIN(O)

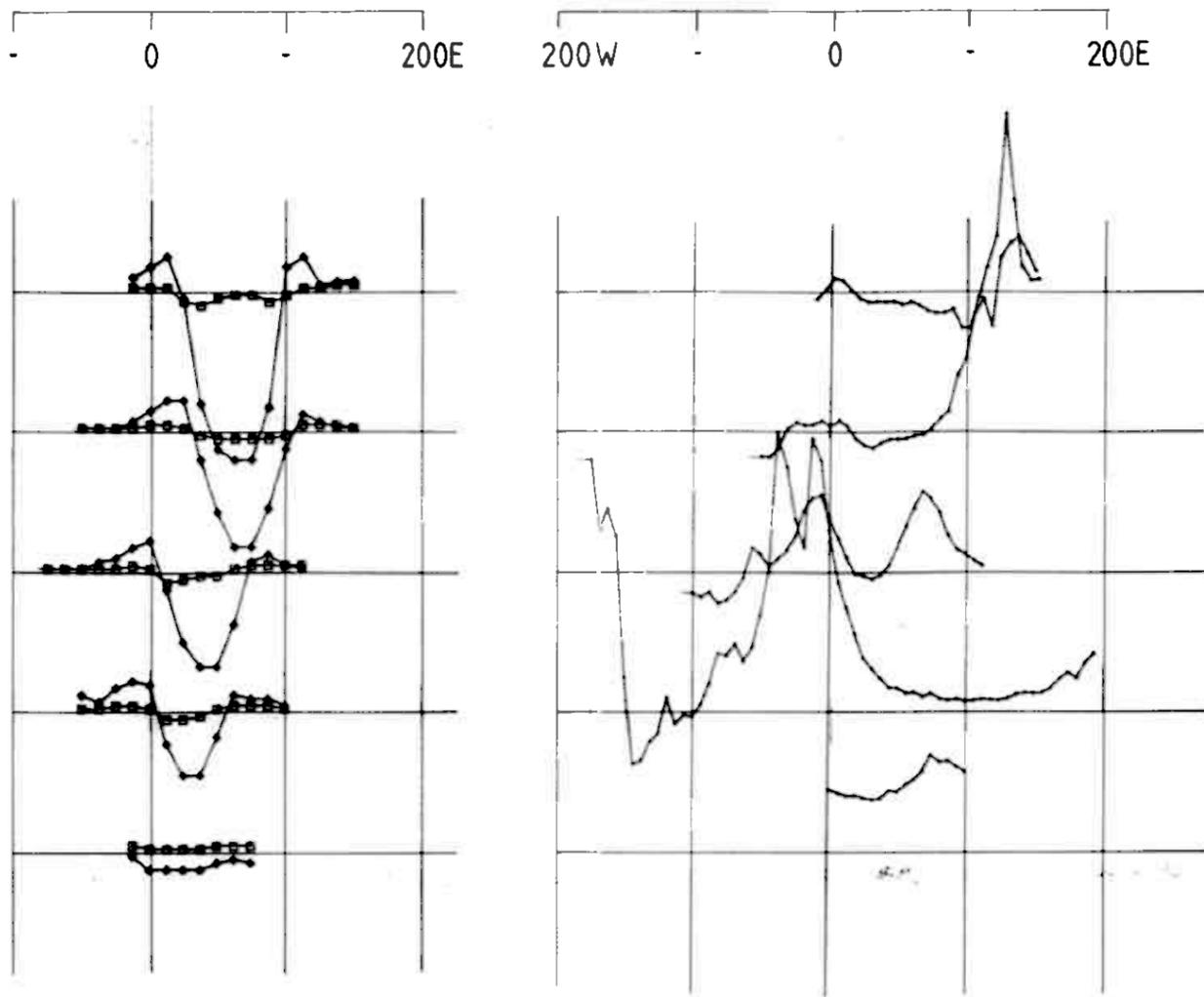
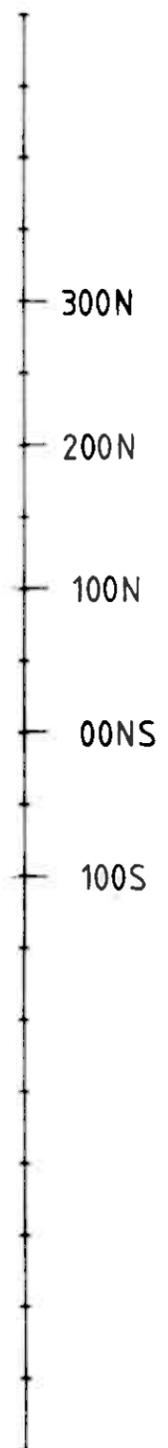
SCALE	OBS.	07-83
1:5000	DRAW. TKZ	12-83
	TRAC. Apple	12-83
	CHK.	

MAP NO.

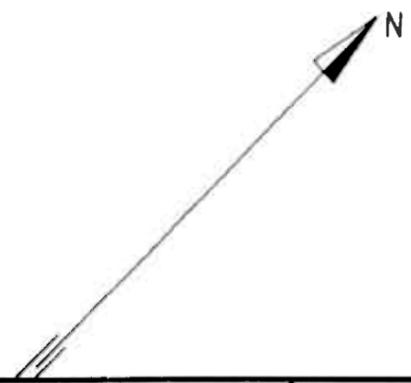
1/8 SULFIDMALM

MAP SHEET

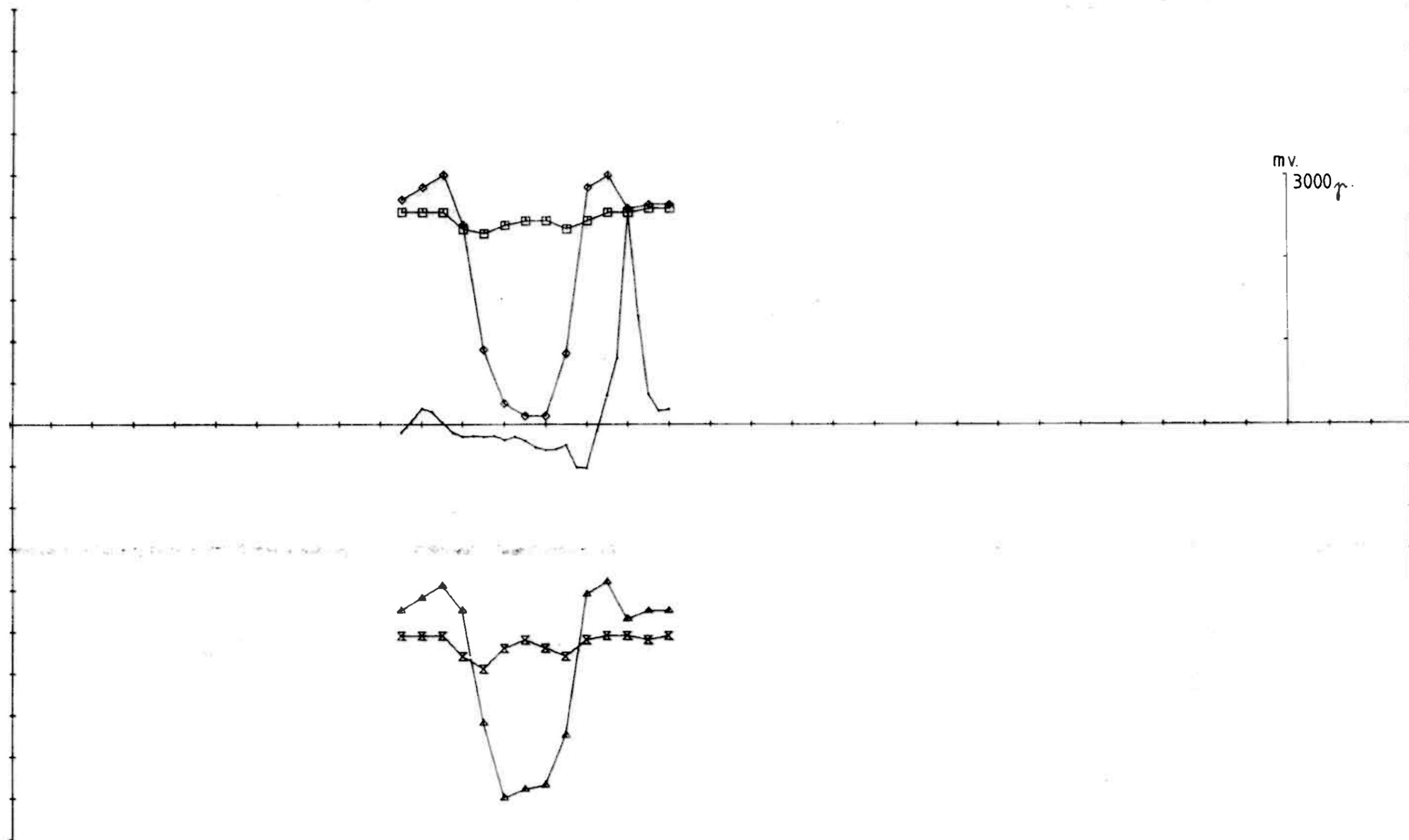




OMR, 51 1777. HZ 50 M COIL SEP,  
 ELEMENT MARKOR  
 RH  $\diamond$ — $\diamond$   
 IH  $\square$ — $\square$



OMR 51. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:5000	DRAW. <i>F. H</i>	12-83
TRAC. <i>Apple</i>		12-83	
CHK.			
<b>1/8 SULFIDMALM</b>	MAP NO.		
	MAP SHEET		



OMR, 51 1777/222 HZ 50 M COIL SEP, 300N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◄—►	-40.0	10.0	500.0	10.0
IH	◻—◻	-4.0	2.0	500.0	10.0
RL	▲—▲	-40.0	12.0	-500.0	10.0
IL	✕—✕	-8.0	0.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 900.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

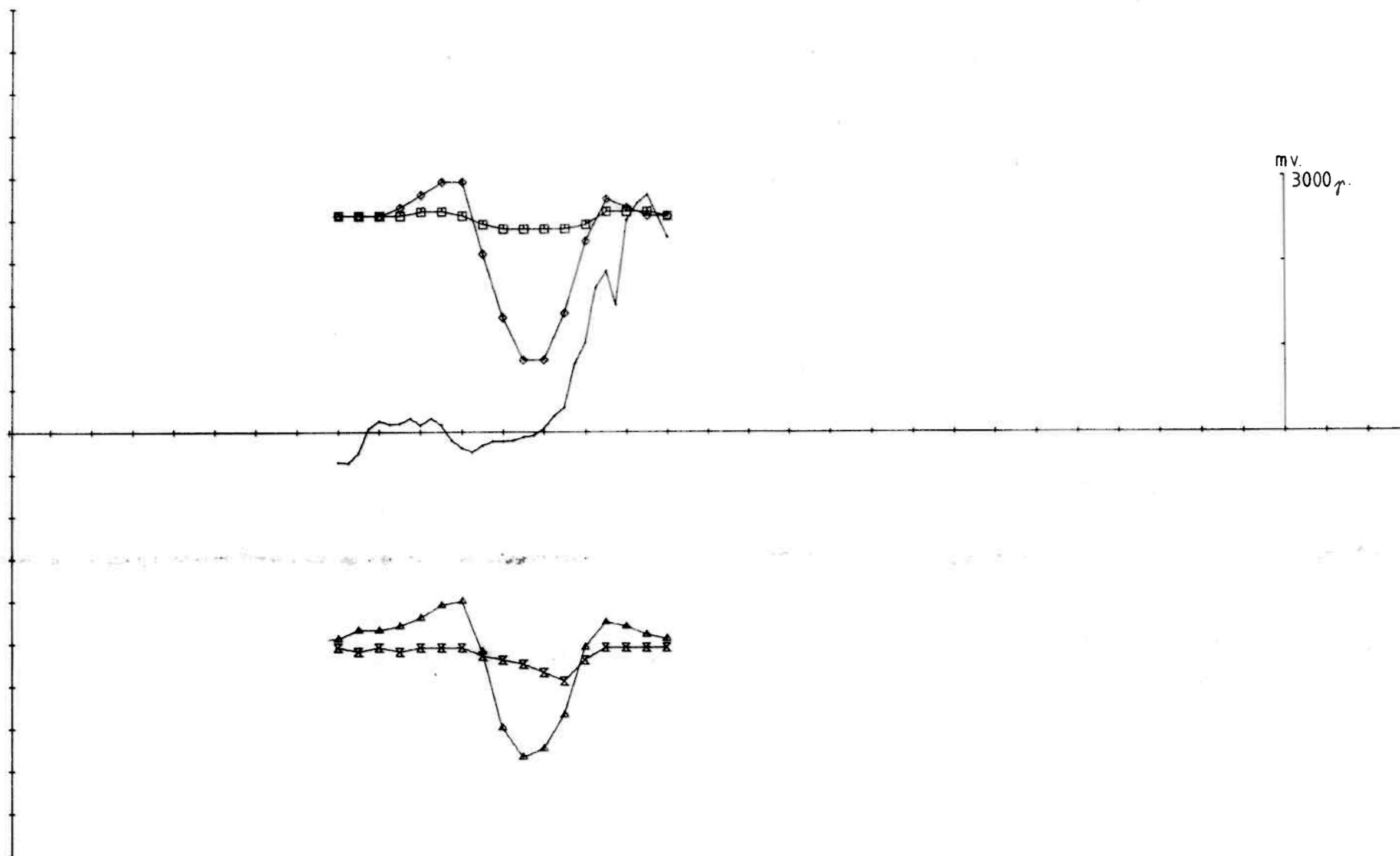
OMR. 51.  
 EM - MAG.  
 KAUTOKEINO.

SCALE 1:2500	OBS.	08-83
	DRAW. F. H	12-83
	TRAC. Apple	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.

MAP SHEET



OMR, 51 1777/222 HZ 50 M COIL SEP, 200N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-33.0	9.0	500.0	10.0
IH	□—□	-2.0	2.0	500.0	10.0
RL	▲—▲	-27.0	10.0	-500.0	10.0
IL	⊗—⊗	-9.0	0.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 750.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR. 51.

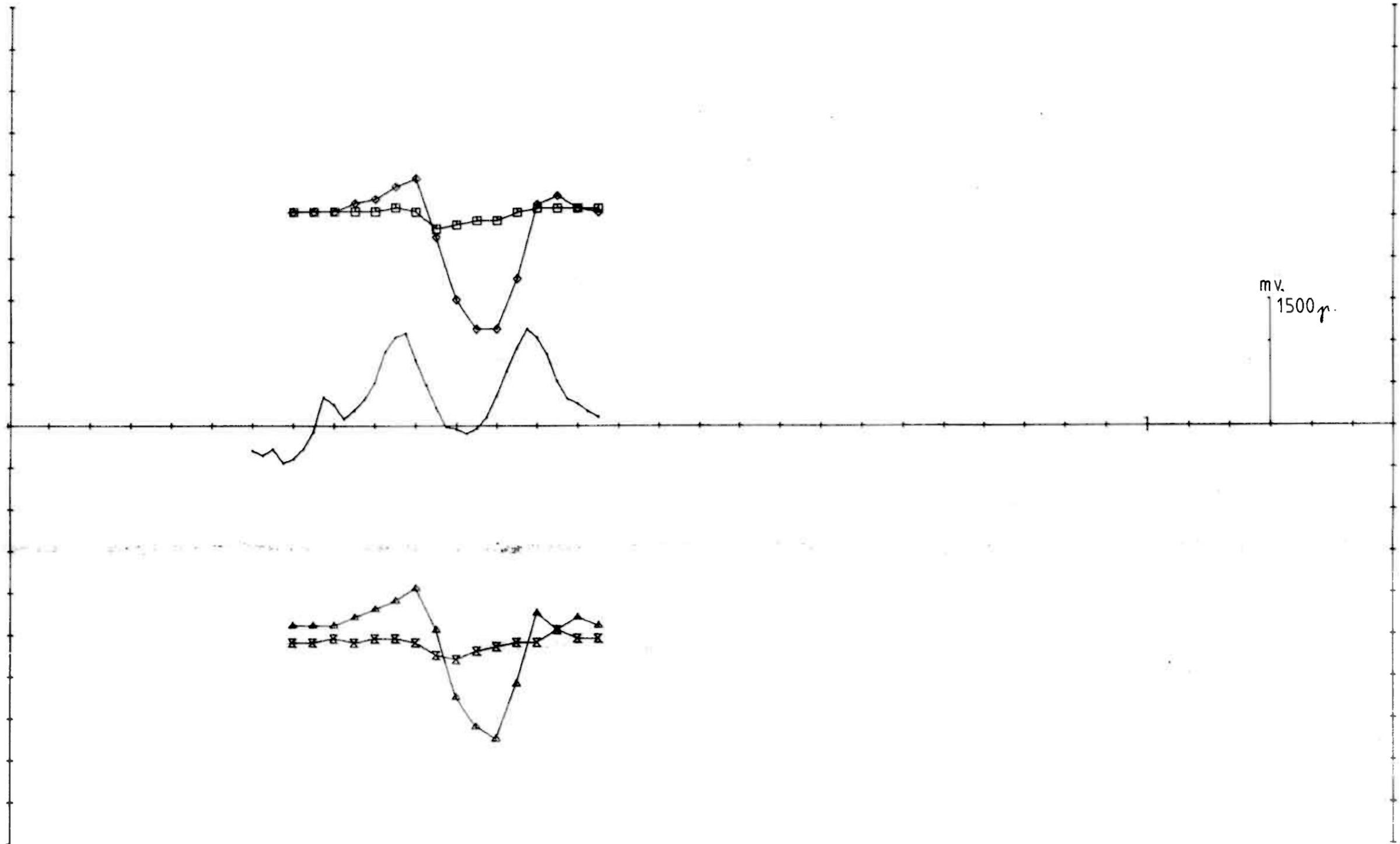
EM-MAG.  
 KAUTOKEINO.

SCALE 1:2500	OBS.	08-83
	DRAW. F. #	12-83
	TRAC. Apple	12-83
	CHK.	

MAP NO.

$\frac{1}{8}$  SULFIDMALM

MAP SHEET



m.v.  
1500 r.

OMR, 51 1777/222 HZ 50 M COIL SEP, 100N.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-27.0	9.0	500.0	10.0
IH	■—■	-3.0	2.0	500.0	10.0
RL	▲—▲	-25.0	11.0	-500.0	10.0
IL	⊗—⊗	-6.0	1.0	-500.0	10.0

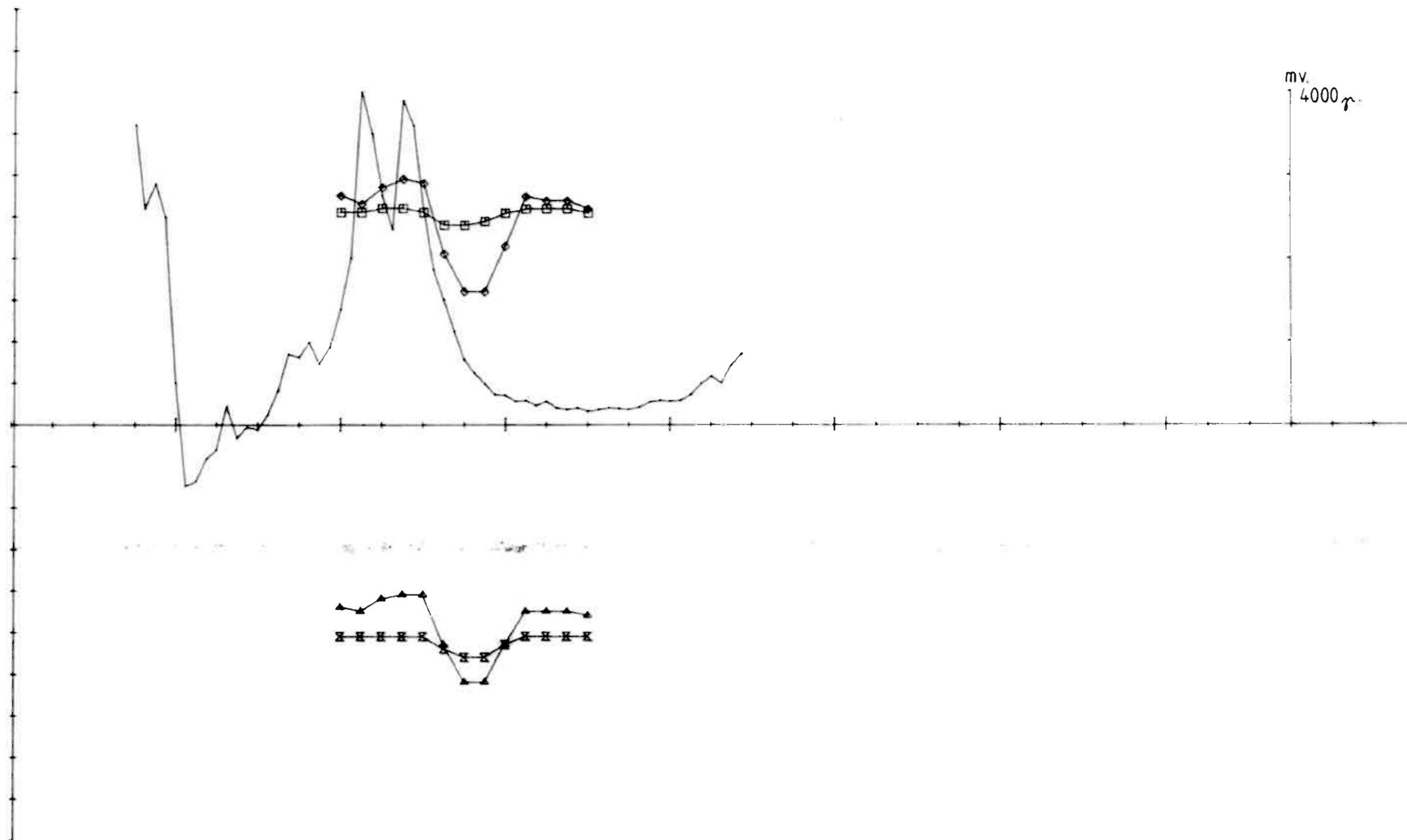
X - SKALERING 50.0  
 X - OFFSET 650.0  
 X = 0 - 3000 DELER  
 Y = +/- 1000 DELER

OMR 51.  
 EM - MAG.  
 KAUTOKEINO.

SCALE 1:2500	OBS.	08-83
	DRAW. <i>Fr. H</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.  
 MAP SHEET



OMR, 51 1777/222 HZ 50 M COIL SEP, 00NS.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-18.0	9.0	500.0	10.0
IH	□—□	-2.0	2.0	500.0	10.0
RL	▲—▲	-12.0	9.0	-500.0	10.0
IL	×—×	-6.0	0.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 750.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

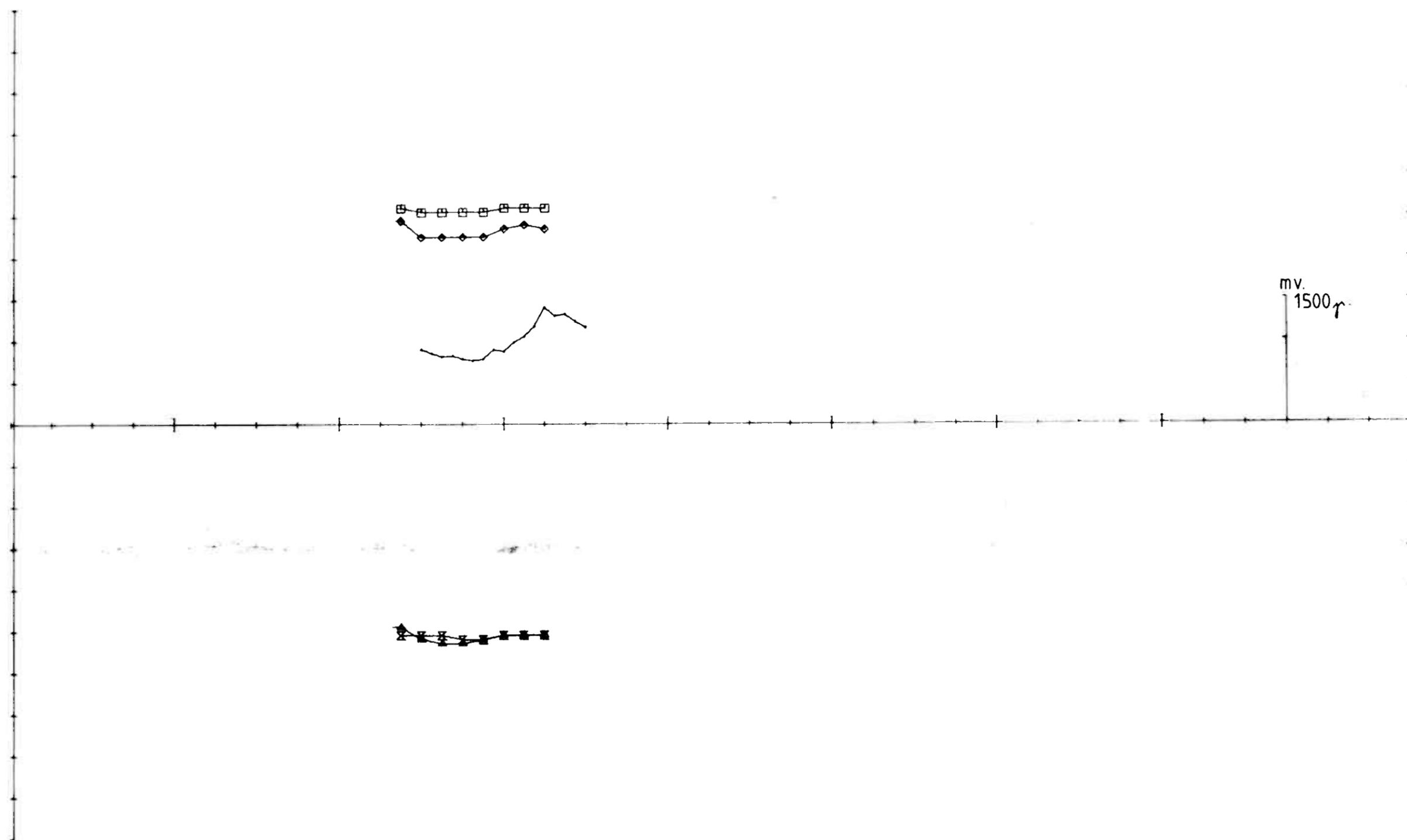
OMR 51.  
 EM - MAG.  
 KAUTOKEINO.

SCALE	OBS.	08-83
1:2500	DRAW.	Fi. H 12-83
	TRAC.	Apple 12-83
	CHK.	

**1/3 SULFIDMALM**

MAP NO.

MAP SHEET



OMR, 51 1777/222 HZ 50 M COIL SEP, 100S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-5.0	0.0	500.0	10.0
IH	□—□	0.0	2.0	500.0	10.0
RL	▲—▲	-3.0	1.0	-500.0	10.0
IL	×—×	-2.0	0.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 900.0  
 X = 0 - 300 DELER  
 Y = +/- 1000 DELER

OMR 51.  
 EM -MAG.  
 KAUTOKEINO.

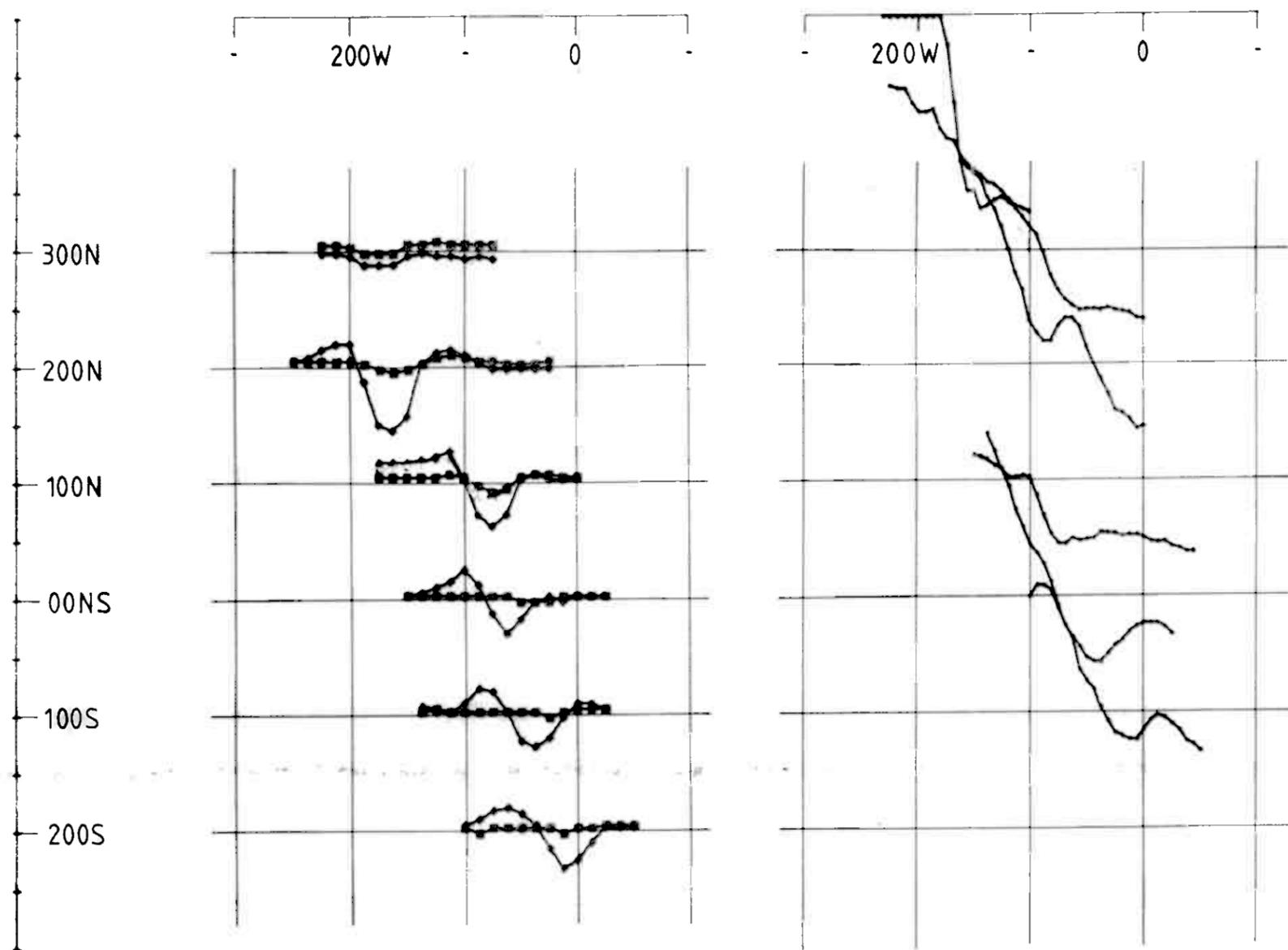
SCALE	OBS.	08-83
1:2500	DRAW. <i>P.H.</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

MAP NO.

$\frac{1}{8}$  SULFIDMALM

MAP SHEET

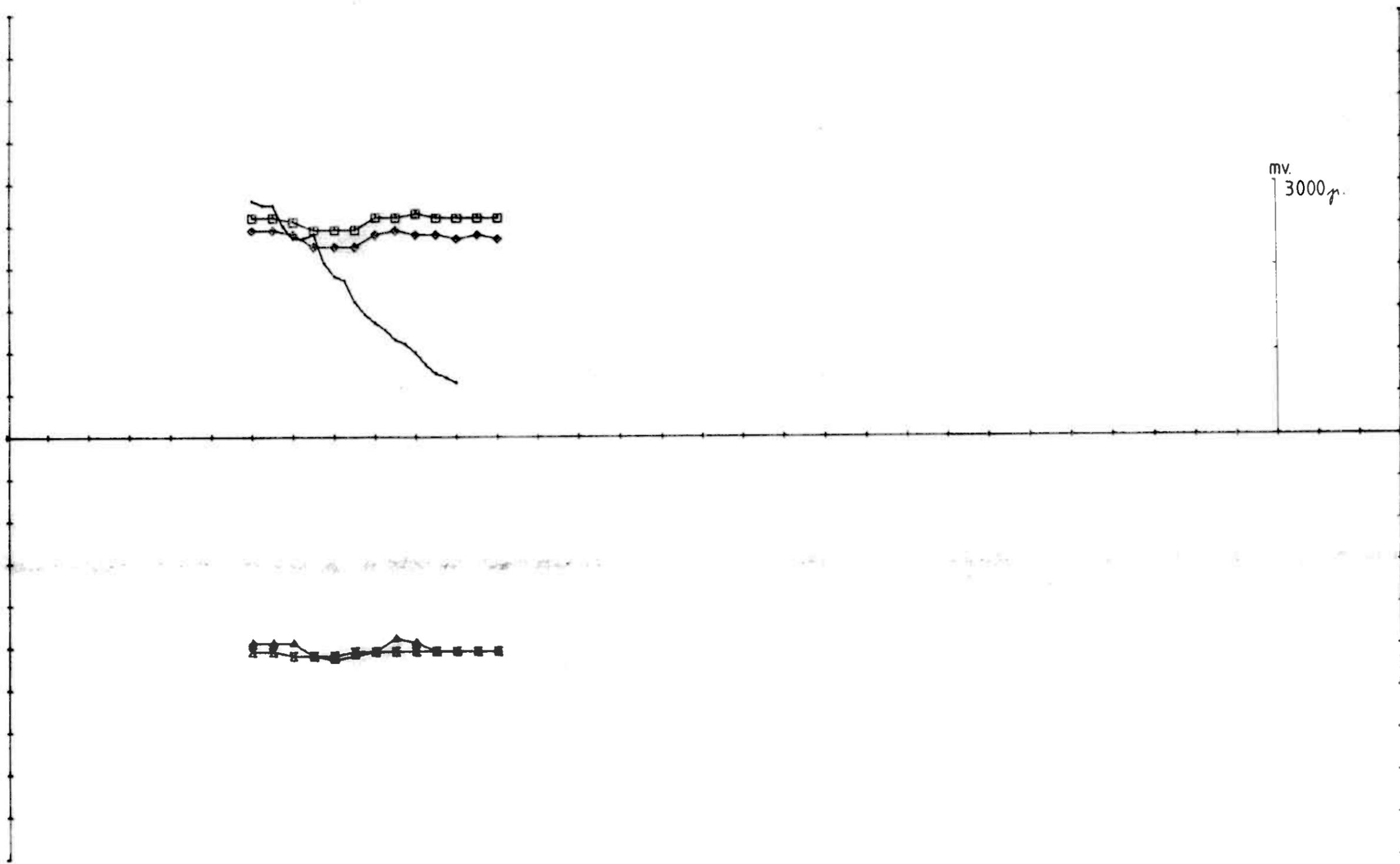




OMR 53, 1777 HZ 50 M COIL SEP.

RH   
 IH 

OMR. 53. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:5000	DRAW. F.#	12-83
TRAC. <i>Apple</i>		12-83	
CHK.			
<b>1/8 SULFIDMALM</b>	MAP NO.		
	MAP SHEET		



OMR, 53 1777/222 HZ 50 M COIL SEP, 300 N.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆	-5.0	0.0	500.0	10.0
IH	■	-1.0	3.0	500.0	10.0
RL	▲	-3.0	2.0	-500.0	10.0
IL	▼	-2.0	0.0	-500.0	10.0

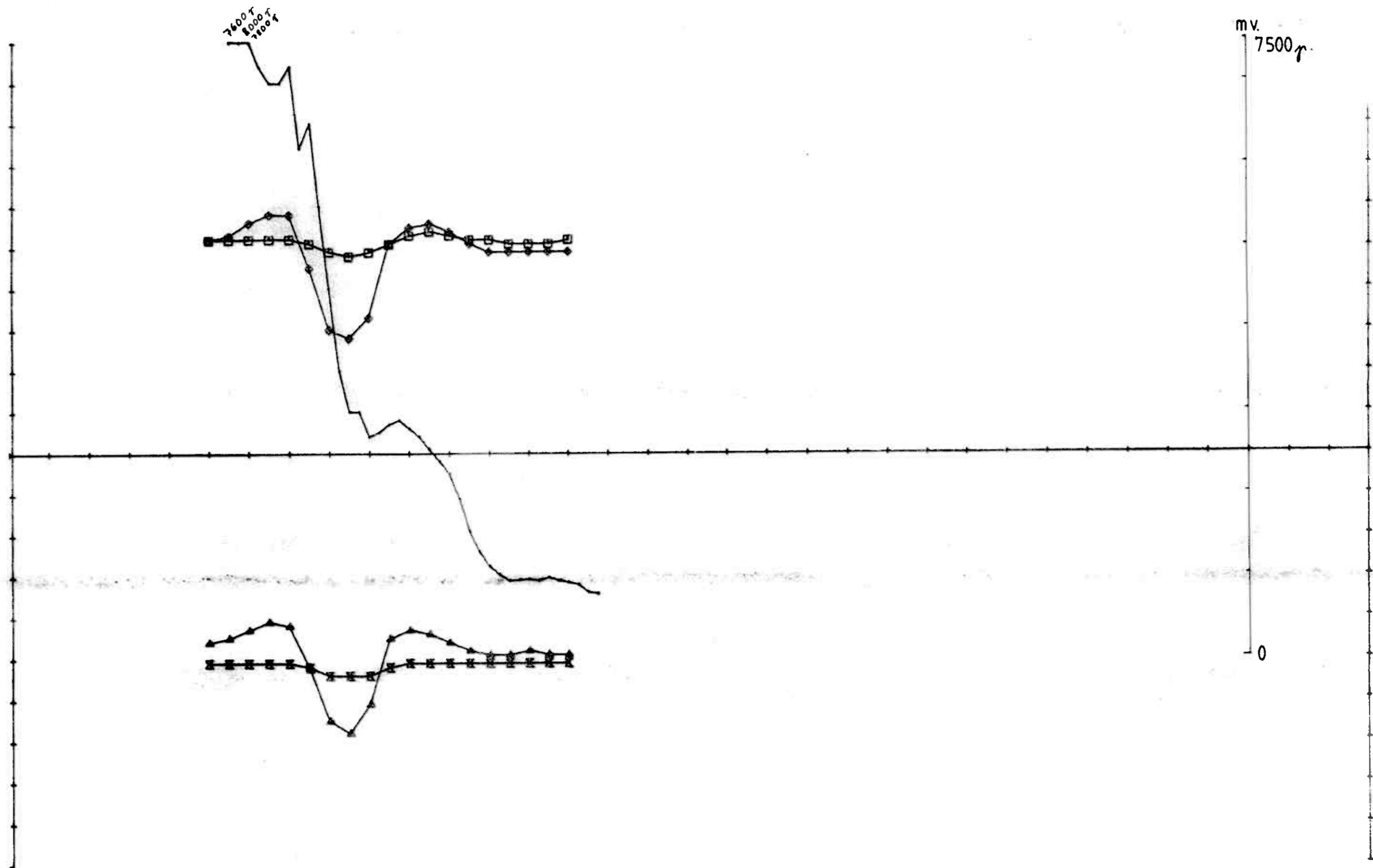
X - SKALERING 50.0  
 X - OFFSET 550.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 53.  
 EM - MAG.  
 KAUTOKEINO.

SCALE 1:2500	OBS.	08-83
	DRAW. <i>H.H.</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.
MAP SHEET



OMR, 53 1777/222 HZ 50 M COIL SEP, 200 N.

ELEMENT	MARKOR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆	-22.0	0.0	500.0	10.0
IH	□	-2.0	4.0	500.0	10.0
RL	▲	-10.0	8.0	-500.0	10.0
IL	●	-4.0	0.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 450.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

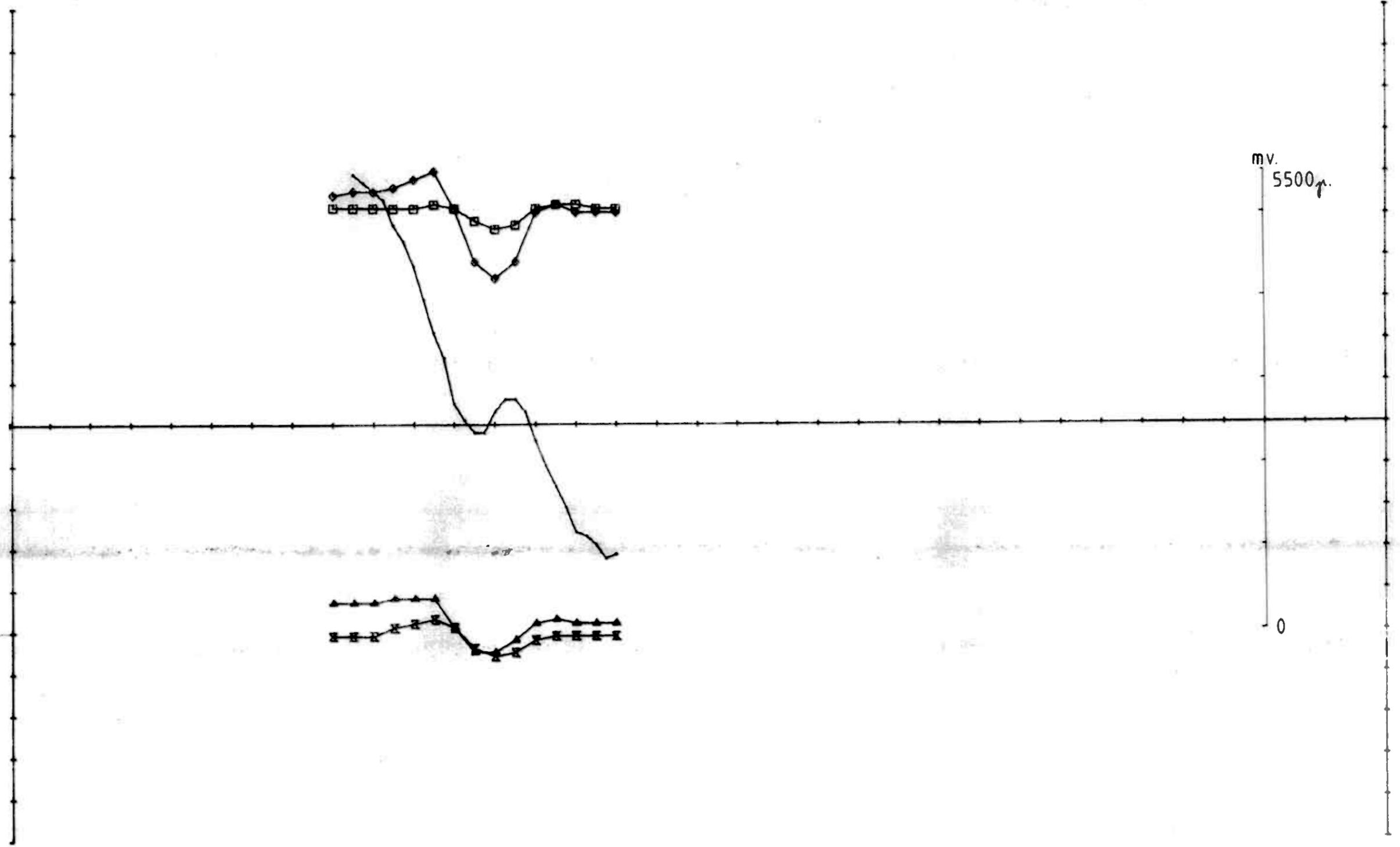
OMR. 53.  
 EM - MAG.  
 KAUTOKEINO.

SCALE	OBS.	08-83
1:2500	DRAW. <i>Fi.H</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.

MAP SHEET

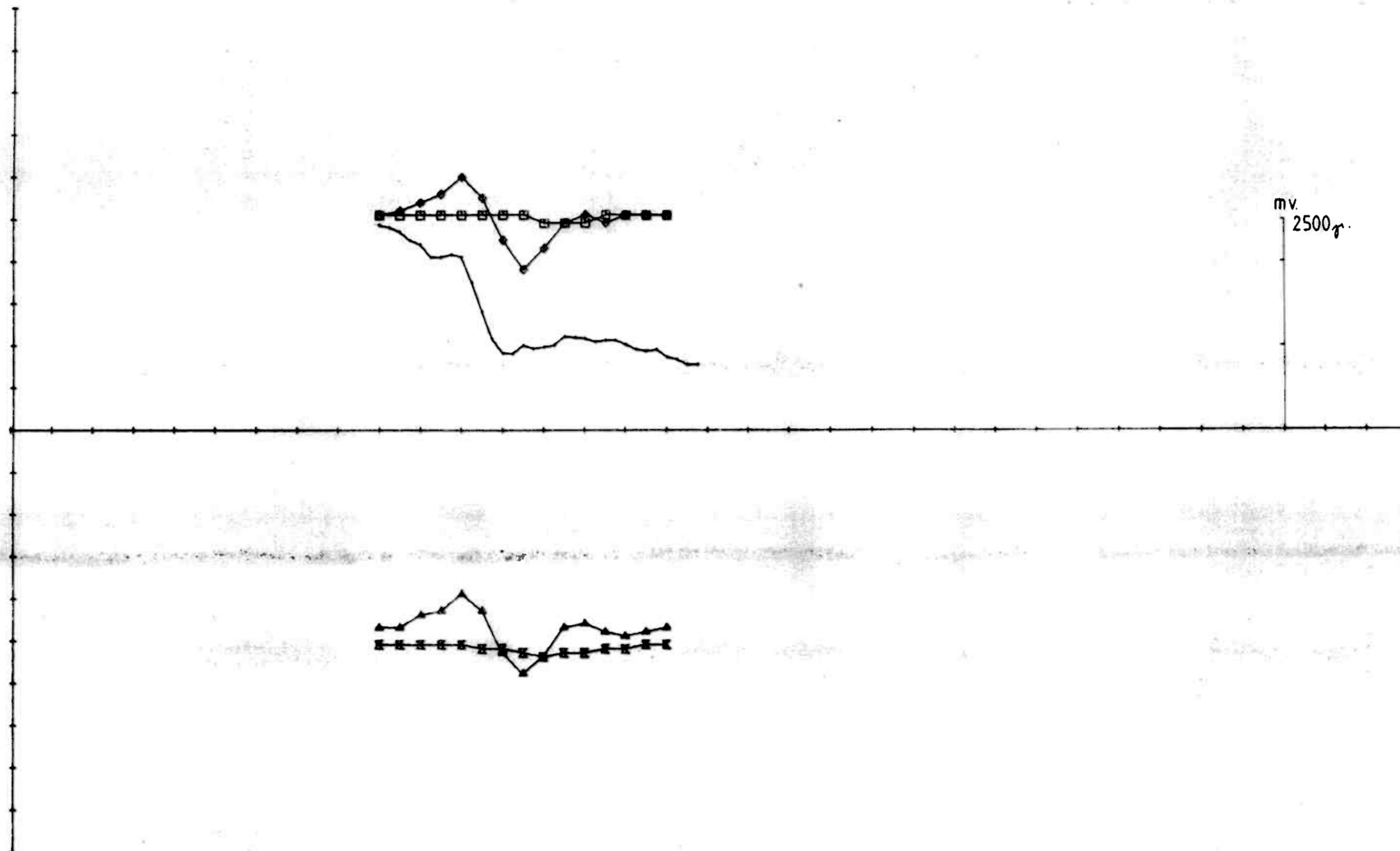


OMR, 53 1777/222 HZ 50 M COIL SEP, 100 N.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◄—►	-15.0	11.0	500.0	10.0
IH	◻—◻	-3.0	3.0	500.0	10.0
RL	▲—▲	-5.0	0.0	-500.0	10.0
IL	◼—◼	-0.0	3.0	-500.0	10.0

X - SKALERING 50.0  
 X - OFFSET 750.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 53. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:2500	DRAW.	<i>Fi. 4</i> 12-83
		TRAC.	<i>Apple</i> 12-83
		CHK.	
<b>1/8 SULFIDMALM</b>		MAP NO.	
		MAP SHEET	



OMR, 53 1777/222 HZ 50 M COIL SEP, 00 NS.

ELEMENT	MARKER	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◄—►	-12.0	10.0	500.0	10.0
IH	◻—◻	-1.0	1.0	500.0	10.0
RL	▲—▲	-6.0	11.0	-500.0	10.0
IL	■—■	-4.0	0.0	-500.0	10.0

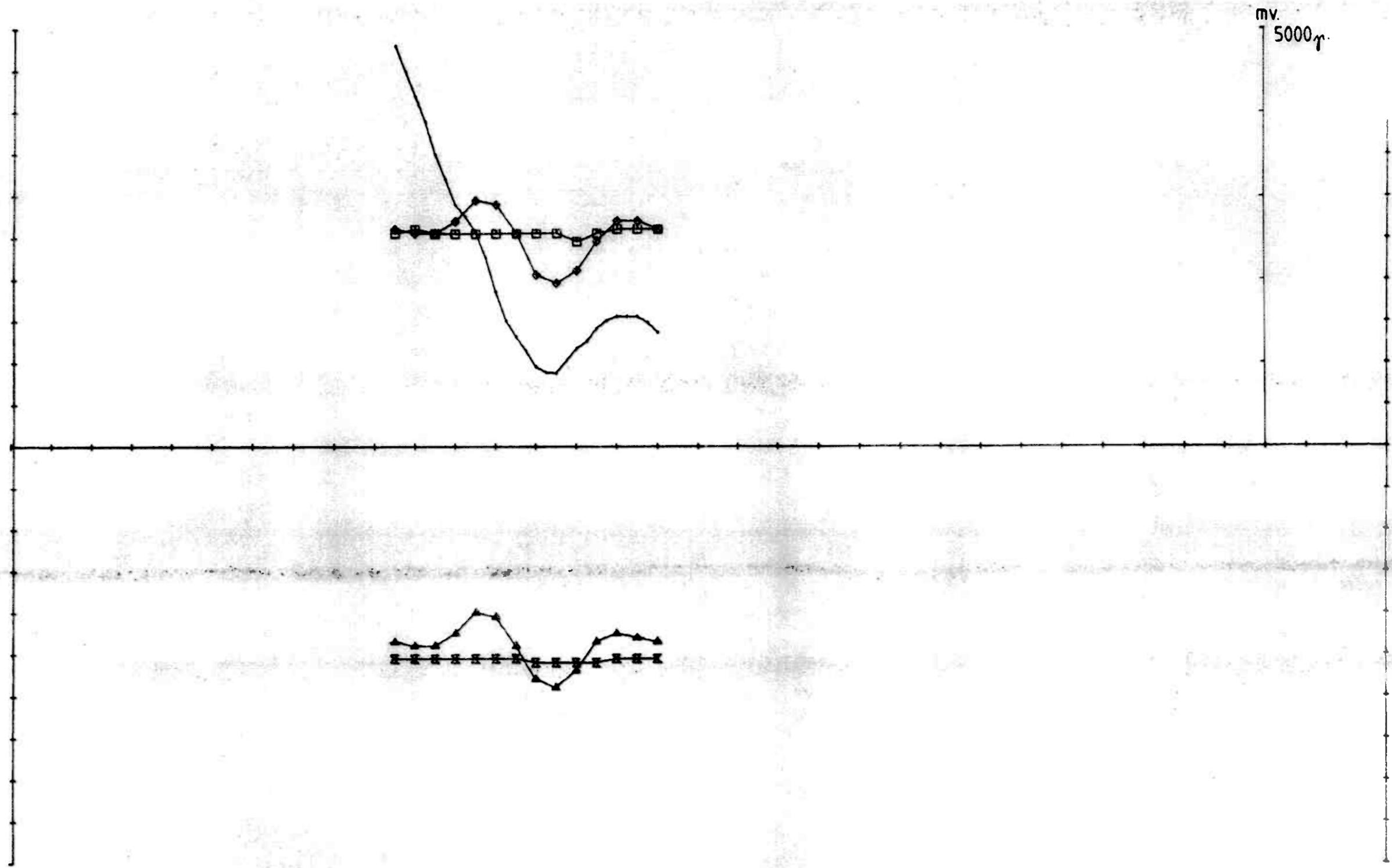
X - SKALERING 50.0  
 X - OFFSET 850.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 53.  
 EM - MAG.  
 KAUTOKEINO.

SCALE	OBS.	08-83
1:2500	DRAW. <i>W.H.</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

**1/8 SULFIDMALM**

MAP NO.	
MAP SHEET	



OMR, 53 1777/222 HZ 50 M COIL SEP, 100 S.

ELEMENT	MARKER	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◄—►	-11.0	9.0	500.0	10.0
IH	◻—◻	-1.0	2.0	500.0	10.0
RL	▲—▲	-8.0	10.0	-500.0	10.0
IL	⊠—⊠	-2.0	0.0	-500.0	10.0

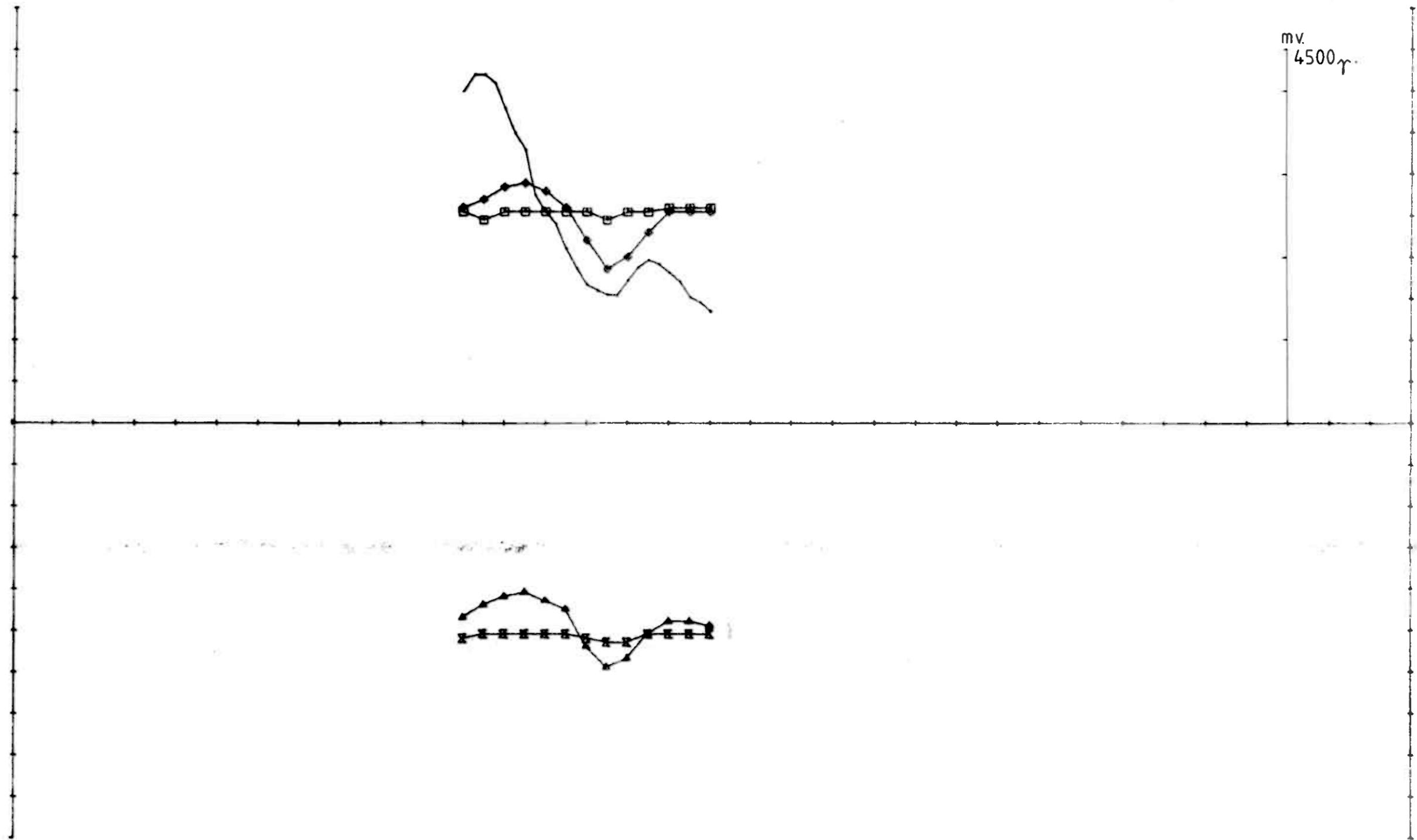
X - SKALERING 50.0  
 X - OFFSET 900.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 53.  
 EM - MAG.  
 KAUTOKEINO.

SCALE	OBS.	08-83
1:2500	DRAW.	<i>Fi.H</i> 12-83
	TRAC.	<i>Apple</i> 12-83
	CHK.	

**1/3 SULFIDMALM**

MAP NO.  
 MAP SHEET



OMR, 53 1777/222 HZ 50 M COIL SEP, 200 S.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◄—►	-13.0	0.0	500.0	10.0
IH	◻—◻	-1.0	2.0	500.0	10.0
RL	▲—▲	-8.0	0.0	-500.0	10.0
IL	◼—◼	-3.0	0.0	-500.0	10.0

X - SKALERING : 50.0  
 X - OFFSET : 1050.0  
 X = 0 - 3400 DELER  
 Y = +/- 1000 DELER

OMR 53.  
 EM - MAG.  
 KAUTOKEINO.

SCALE 1:2500	OBS.	08-83
	DRAW. <i>F. H.</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

$\frac{1}{8}$  SULFIDMALM

MAP NO.

MAP SHEET