



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.

FORDELING
OSLO: *PK*

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^{x)}, 14^{x)}, 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:

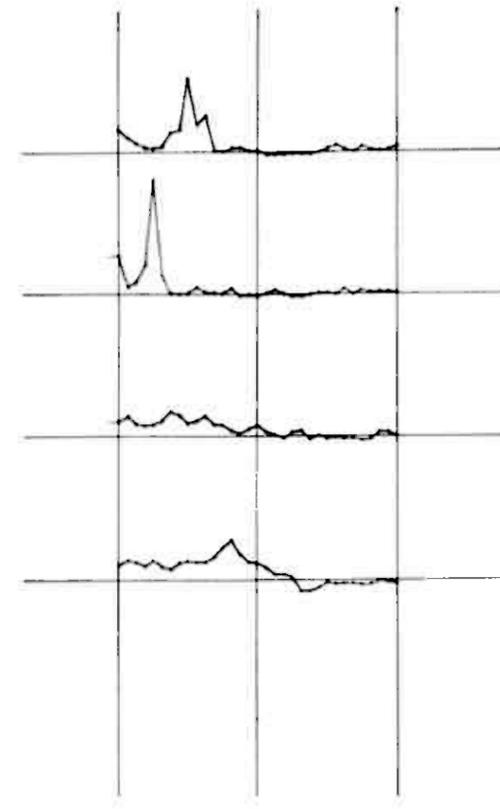
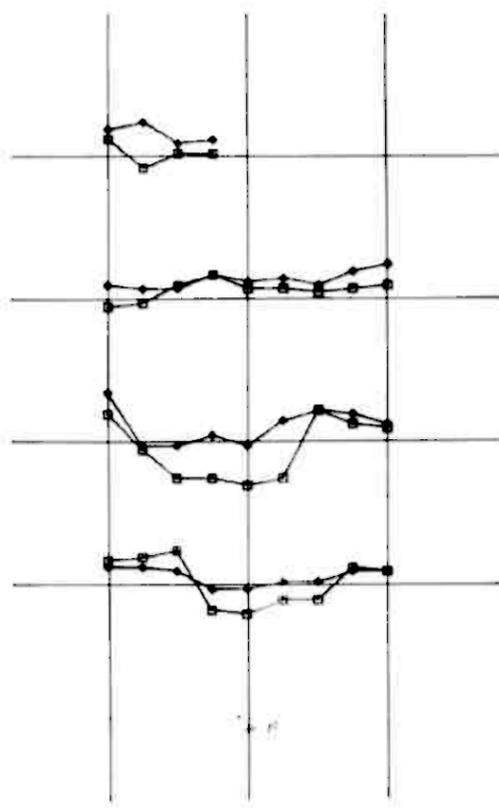
LFEM. Apex MaxMin II 1777/222 Hz (Area 13: in addition
MAGN., McPhar M 700 Vert.field comp. 3555 Hz)
MAGN.BASE, PcPhar M 700/Rustrak chartrecorder
DATA REC./PLOT, APPLE II

KIRKENES:

ANDRE:

KOMMENTAR:

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



OMR, 13NGU 3555
 ELEMENT MARKOR
 RH 
 IH 

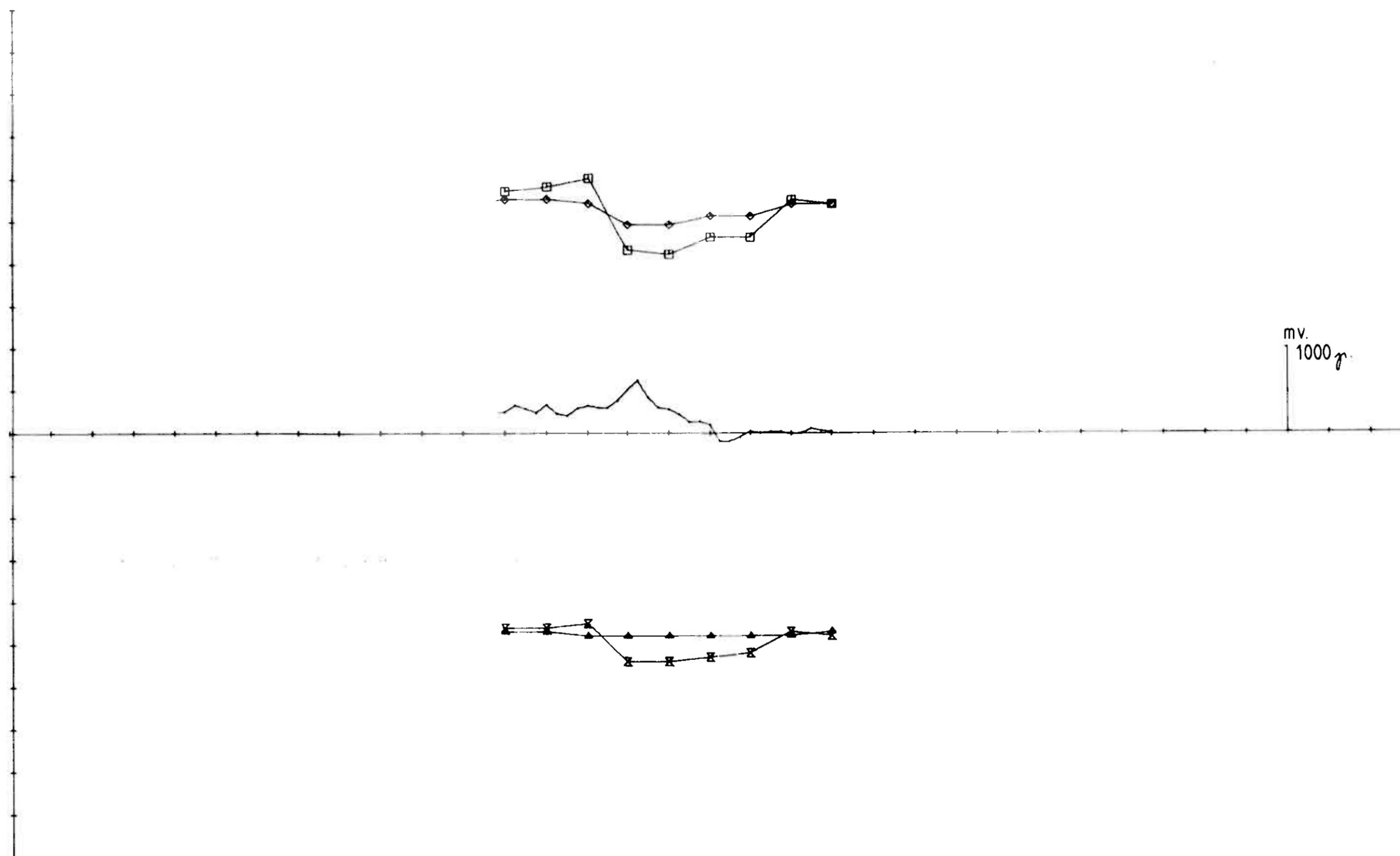
HZ 100 M COIL SEP.

OMR 13NGU
 EM - MAG
 KAUTOKEINO

SCALE	OBS.	07-83
5000 1:2500	DRAW. TKZ	12-83
	TRAC. Apple	12-83
	CHK.	

1/5 SULFIDMALM

MAP NO.
MAP SHEET

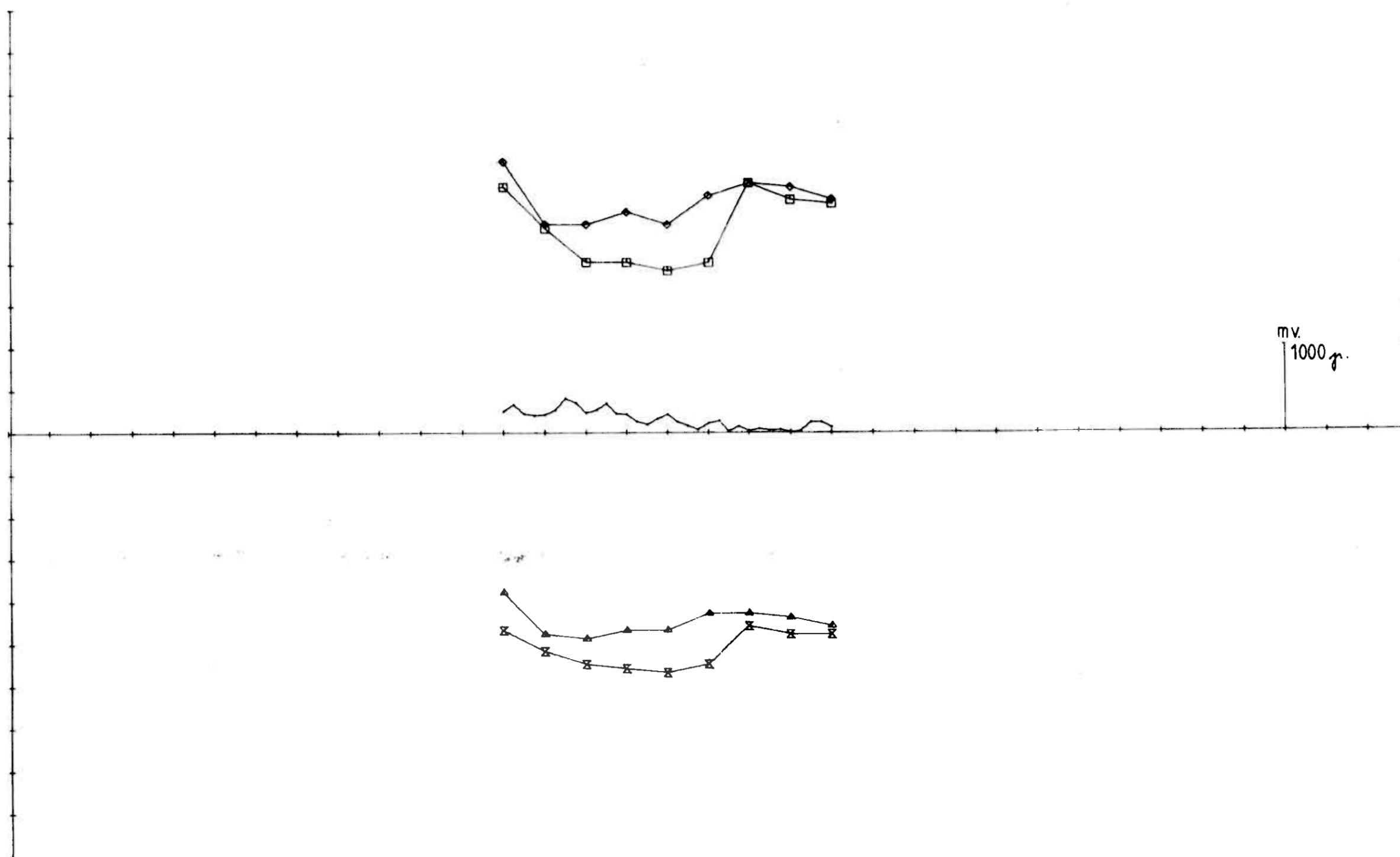


OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 150N.

ELEMENT	MARKOR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆	-1.0	5.0	500.0	10.0
IH	□	-6.0	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 - SKALERING 100.0
 X - OFFSET 1100.0
 X = 0 - 3000 DELER
 Y = +/- 1000 DELER

OMR 13 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		

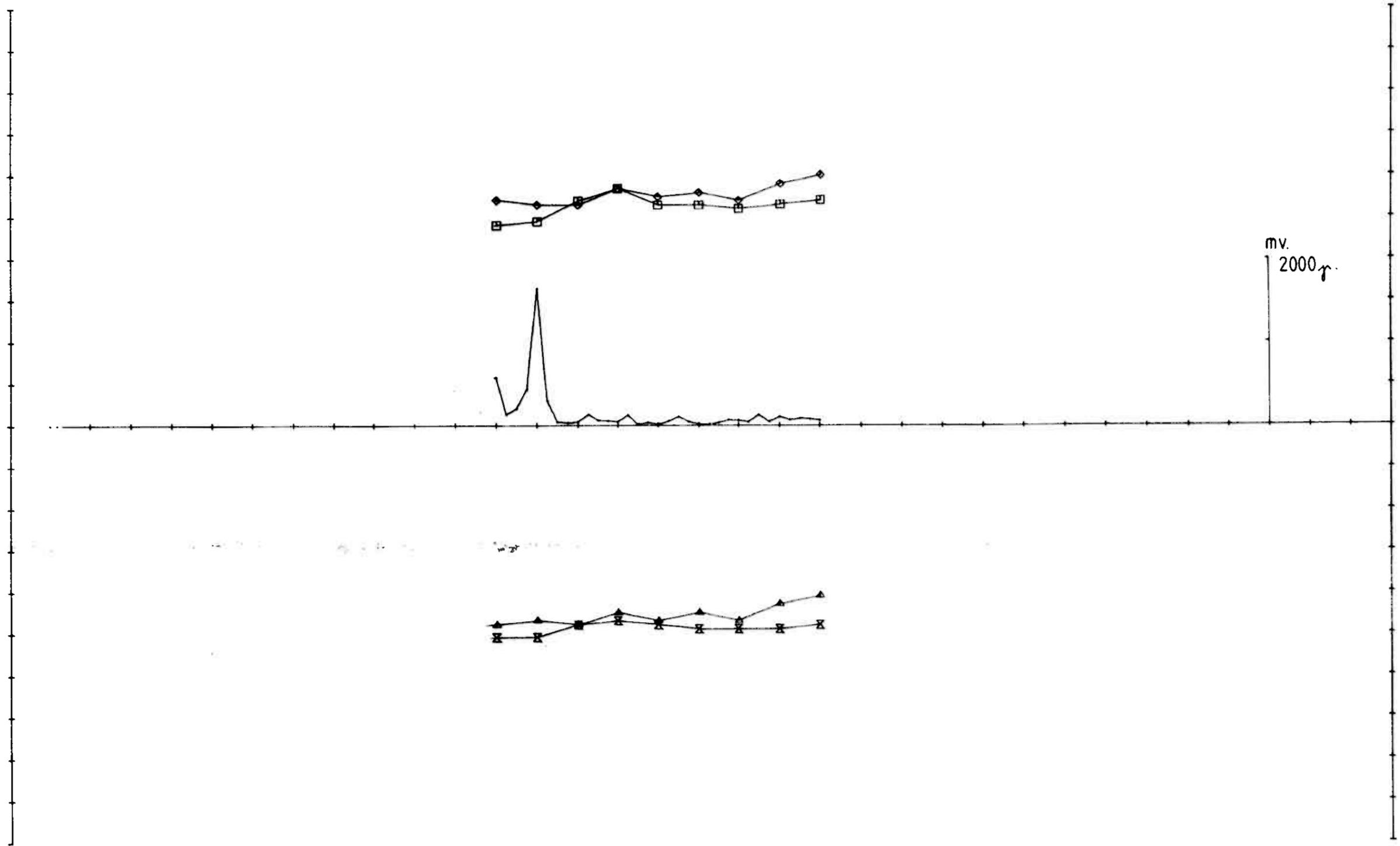


OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 250N.

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

OMR 13NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:2500	DRAW. <i>TKJ</i>	12-83
		TRAC. <i>Apple</i>	12-83
		CHK.	
1/8 SULFIDMALM		MAP NO.	
		MAP SHEET	

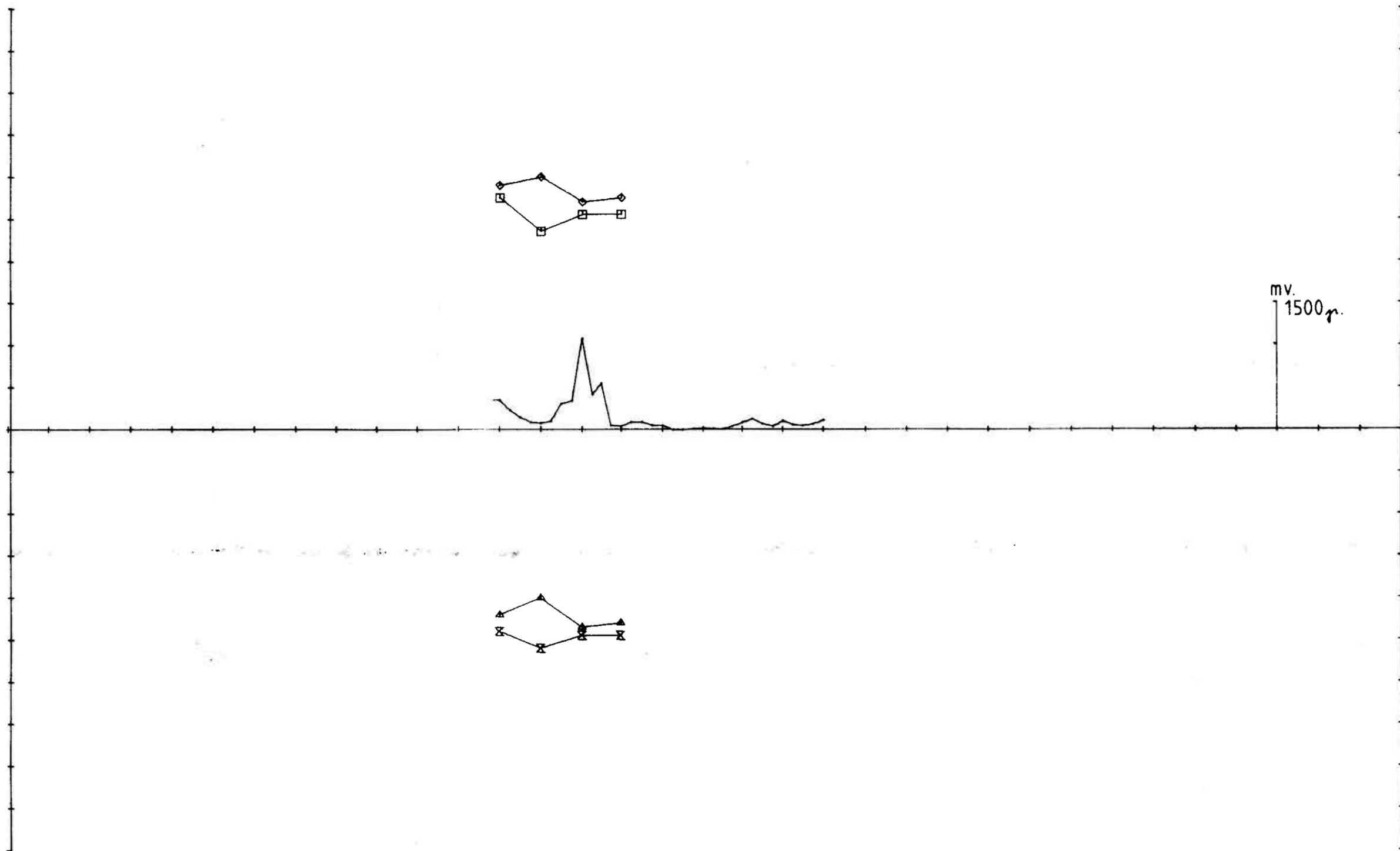


OMR, 13NGU 3555/1777 HZ 100 M COIL SEP, 350N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	0.0	10.0	500.0	10.0
IH	◻—◻	-2.0	2.0	500.0	10.0
RL	▲—▲	0.0	8.0	-500.0	10.0
IL	×—×	-1.0	3.0	-500.0	10.0

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

OMR 13 NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:2500	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	MARKØR	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. <i>Tkj</i>	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

$\frac{1}{8}$ SULFIDMALM

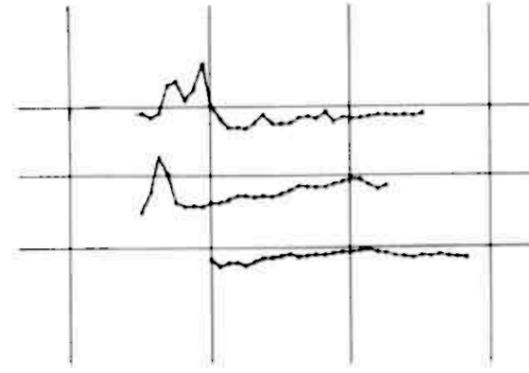
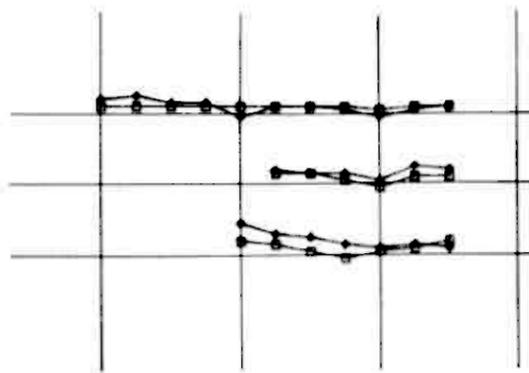
MAP NO.

MAP SHEET

627 - 629

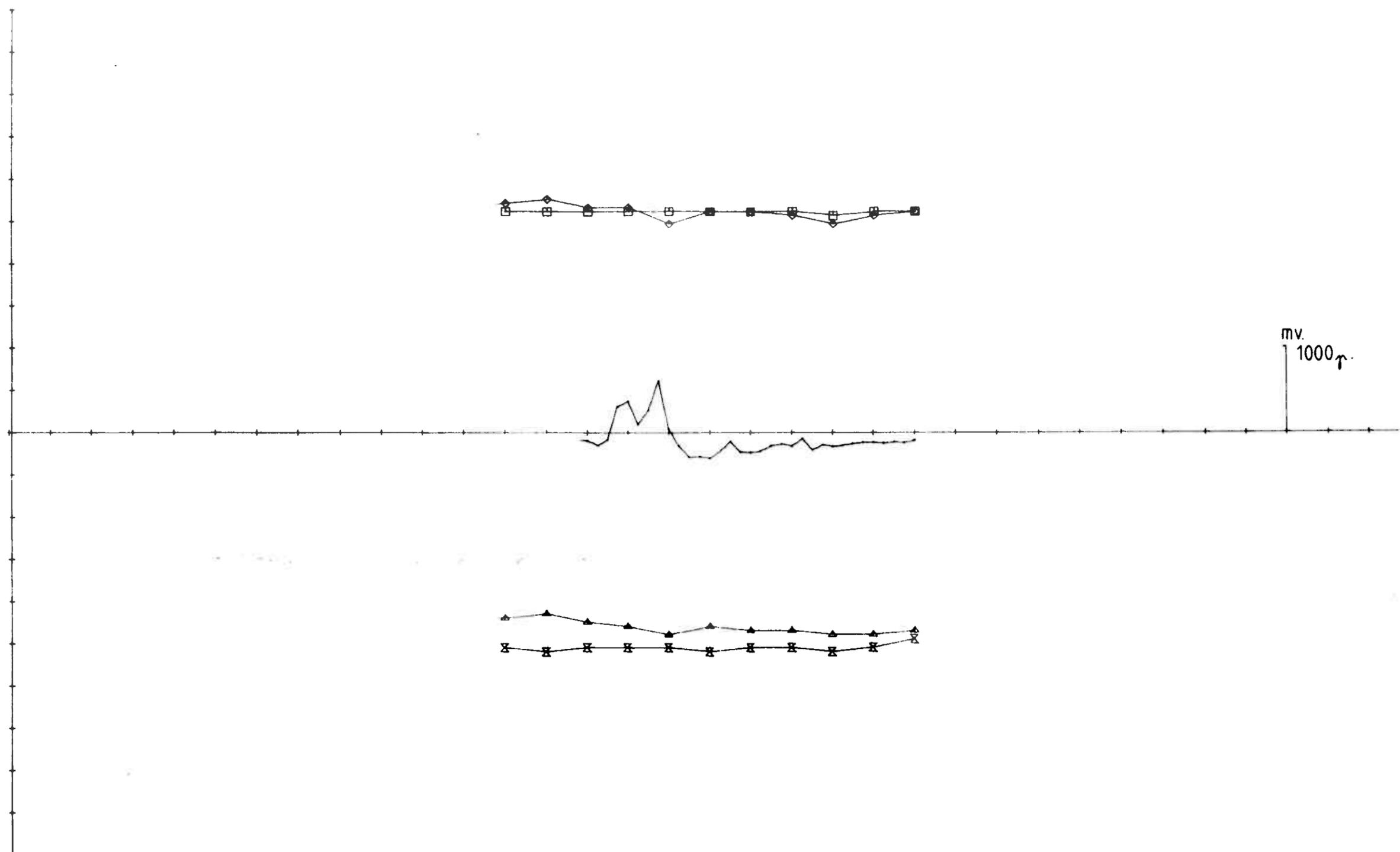
627 - 629

815,0
814,5
814,0



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

OMR 14 NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:5000	DRAW. <i>TKZ</i>	12-83
		TRAC. <i>Apple</i>	12-83
		CHK.	
$\frac{1}{8}$ SULFIDMALM		MAP NO.	
		MAP SHEET	

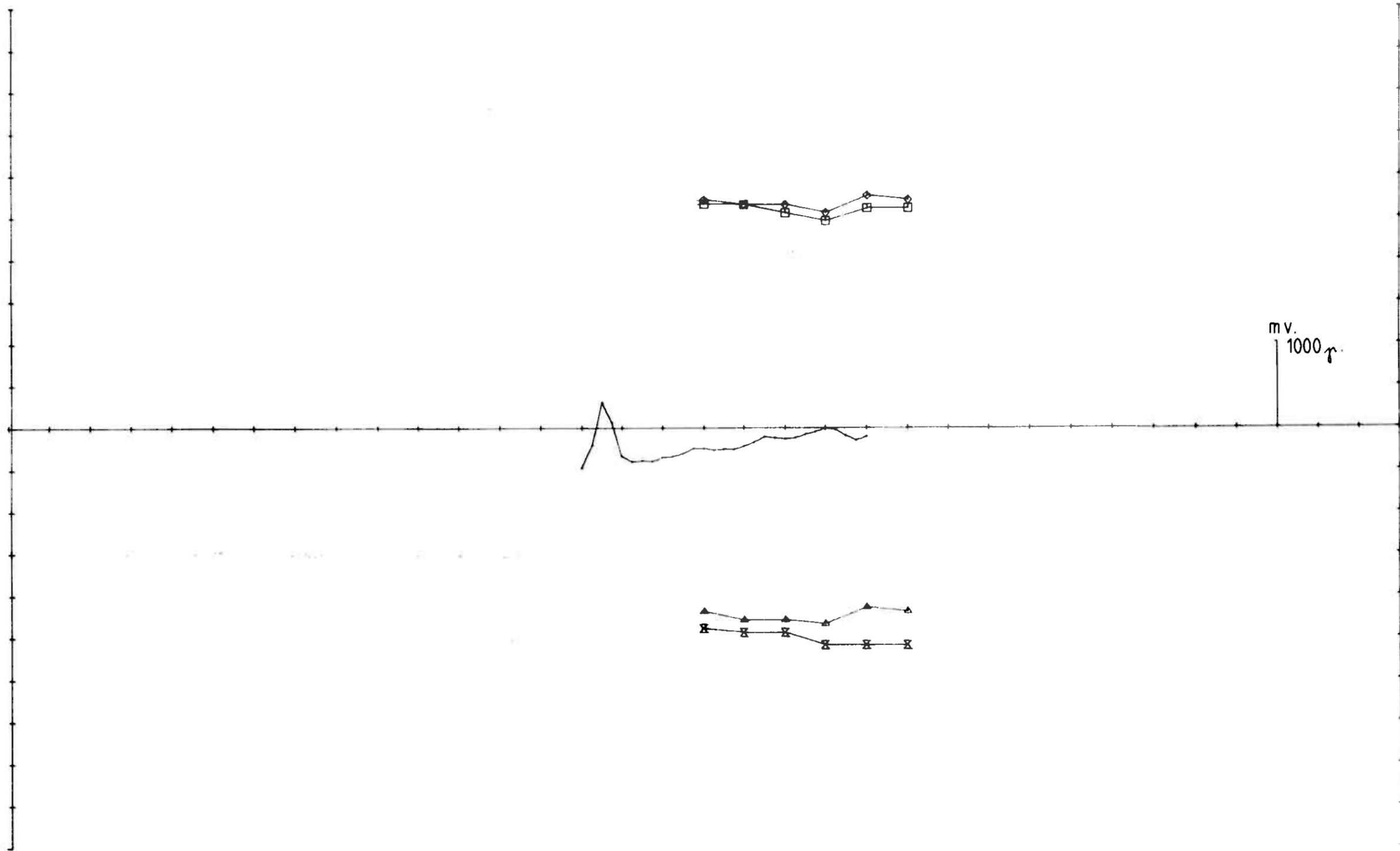


OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8150.

ELEMENT	MARKOR	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	7.0	-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.			
1/3 SULFIDMALM	MAP NO.		
	MAP SHEET		

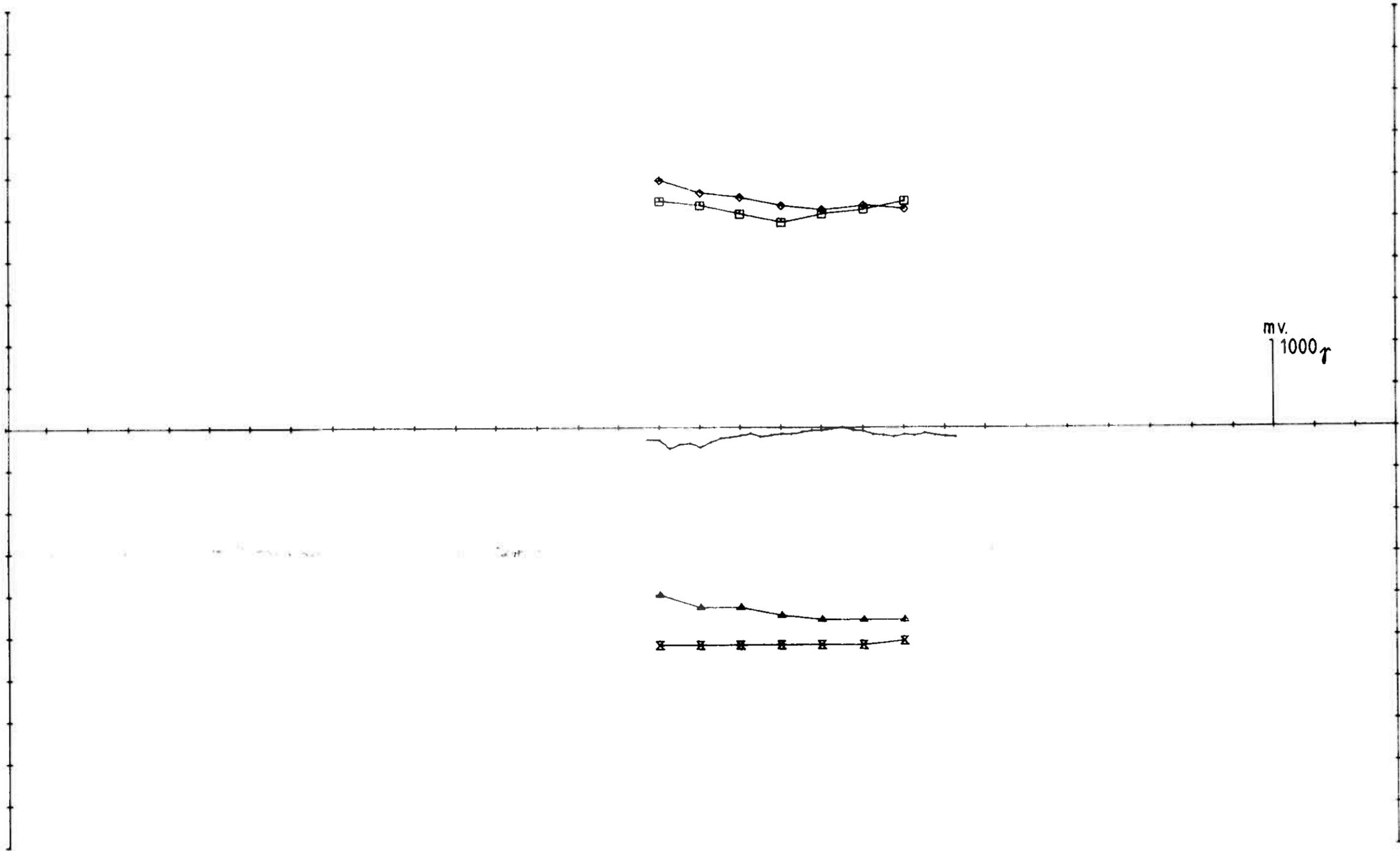


OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8145.

ELEMENT	MARKOR	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	2.0	-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 14NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:2500	DRAW. Tkg	12-83
TRAC. Appl		12-83	
CHK.			
1/3 SULFIDMALM	MAP NO.		
	MAP SHEET		

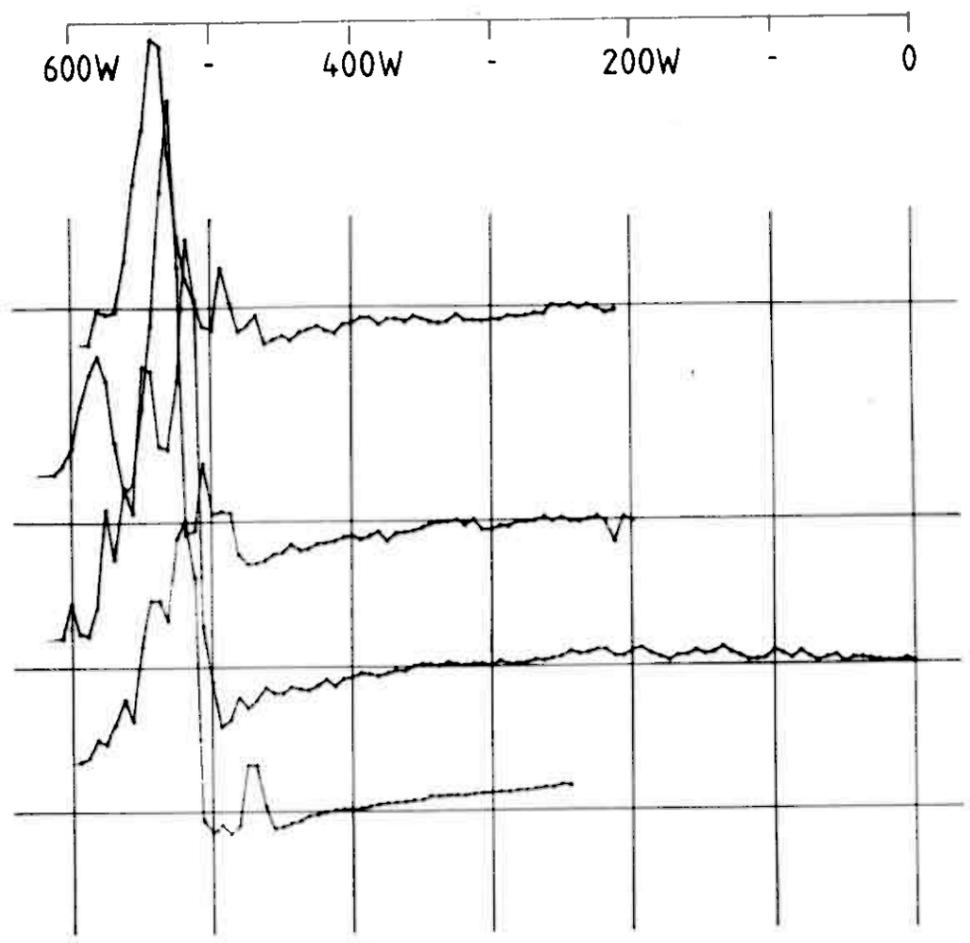
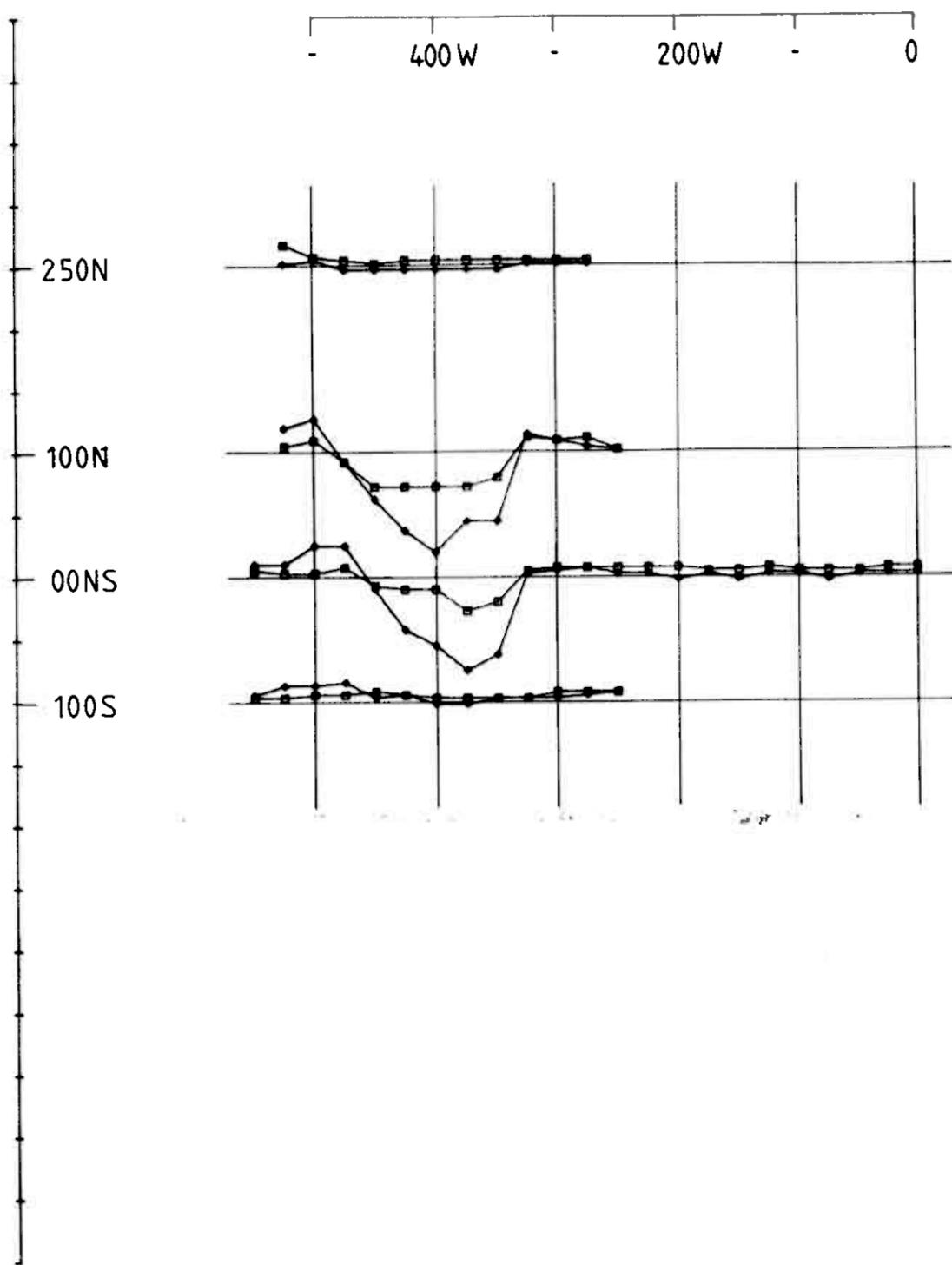


OMR, 14NGU 1777/222 HZ 100 M COIL SEP, 8140.

ELEMENT	MARKOR	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

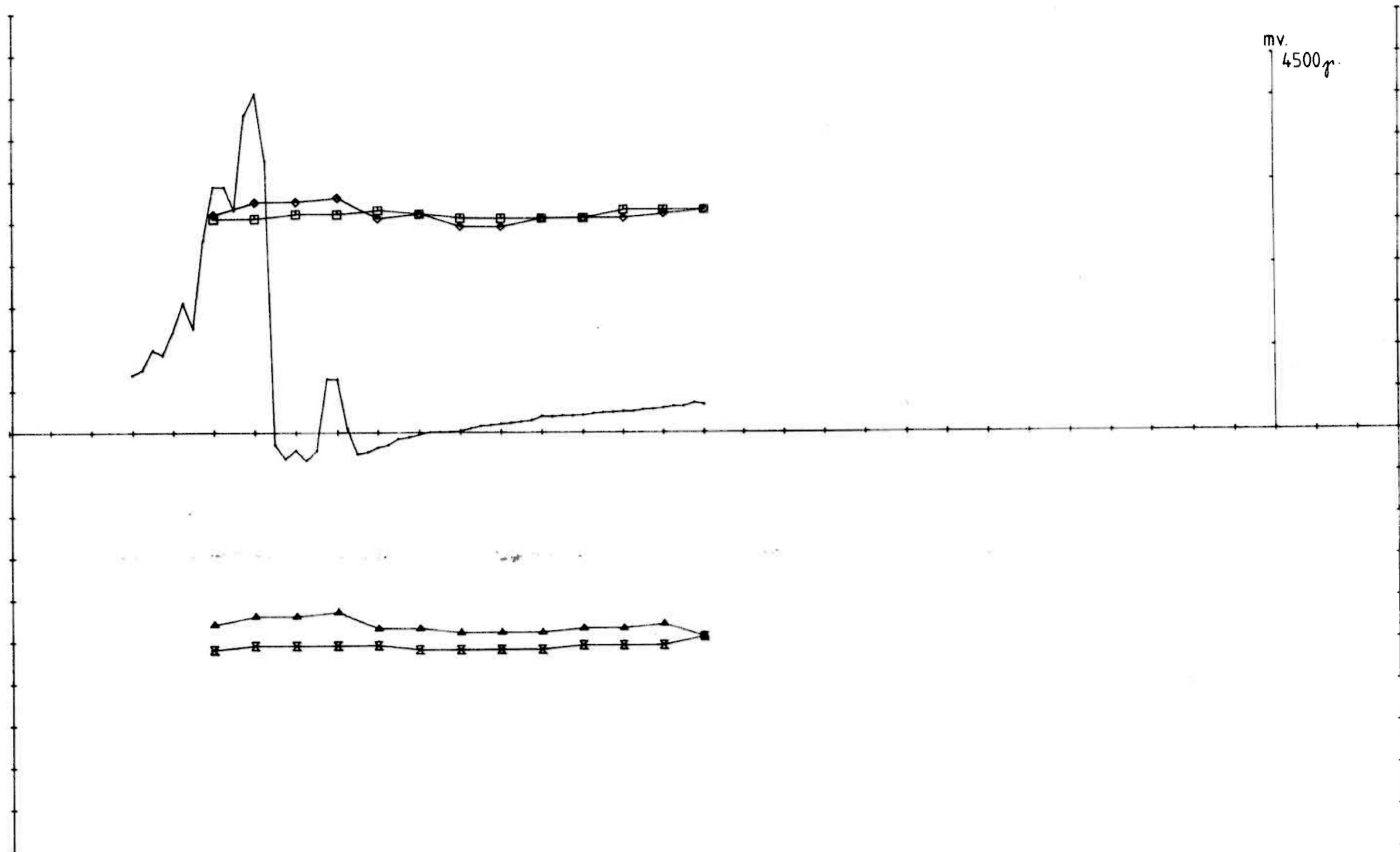
X - SKALERING 100.0
 X - OFFSET 1500.0
 X = 0 - 3400 DELER
 Y = +/- 1000 DELER

OMR 14 NGU EM - MAG KAUTOKEIN	SCALE	OBS.	07-83
	1:2500	DRAW.	TKB 12-83
		TRAC.	Apple 12-83
		CHK.	
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.			
1/5 SULFIDMALM	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	2.0	-500.0	10.0
IL	⊗—⊗	-2.0	1.0	-500.0	10.0

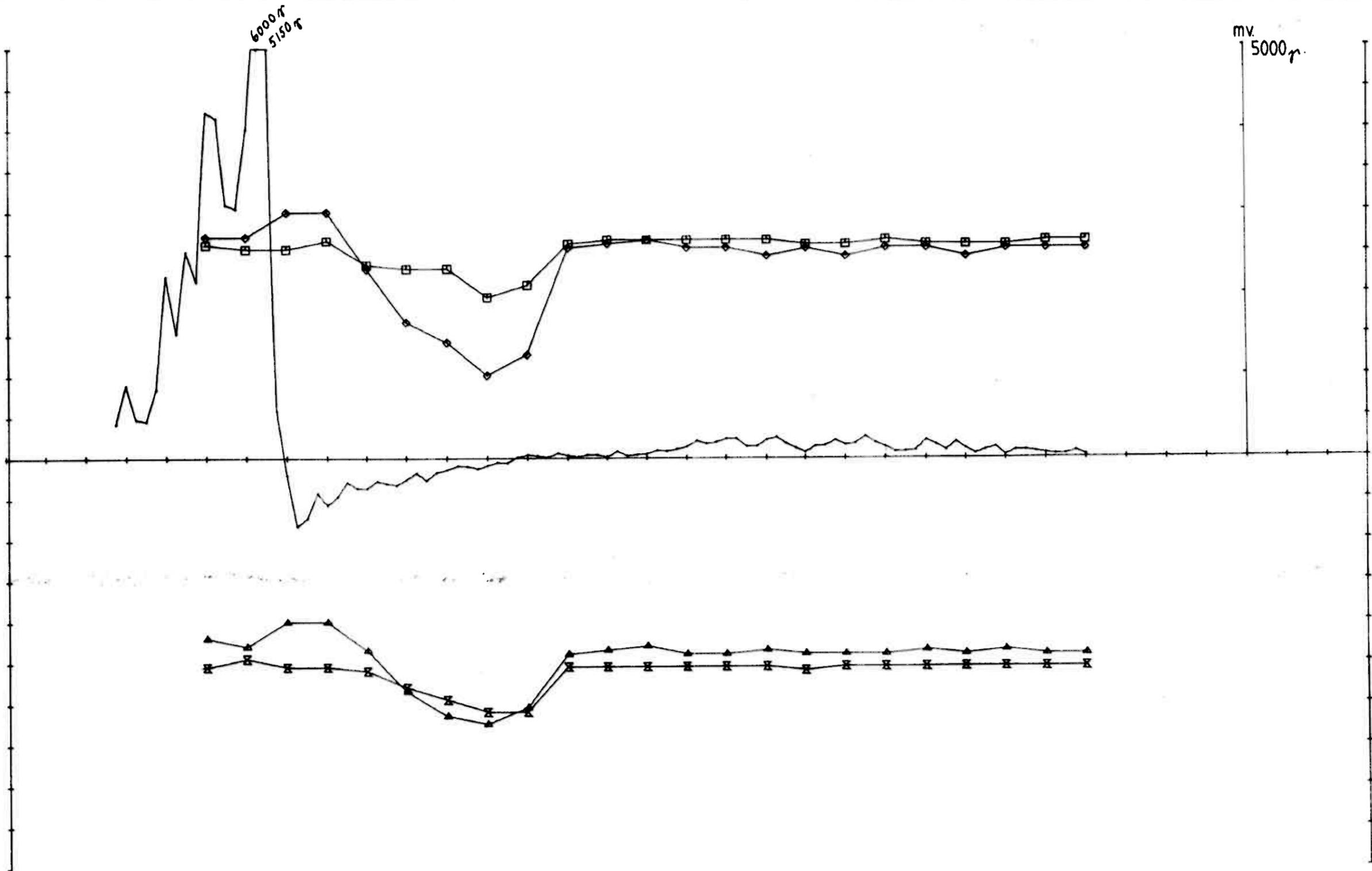
X - SKALERING 100.0
 X - OFFSET 300.0
 X = 0 - 3400 DELER
 Y = +/- 1000 DELER

OMR 14 NGU
 EM - MAG
 KAUTOKEIN

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

$\frac{1}{5}$ SULFIDMALM

MAP NO.
MAP SHEET



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

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

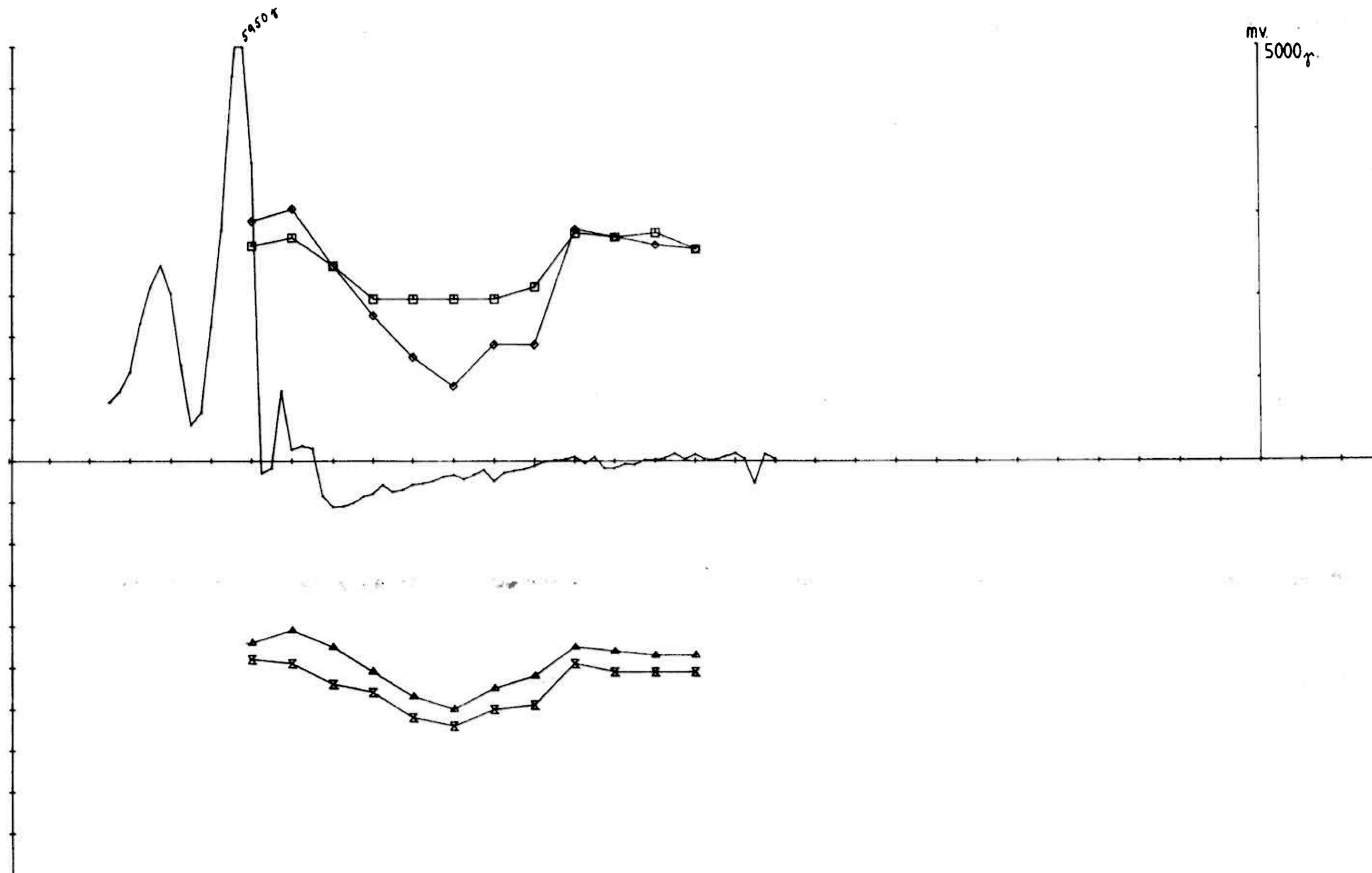
X - SKALERING 100.0
 X - OFFSET 400.0
 K = 0 - 3400 DELER
 Y = +/- 1000 DELER

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 - 3000 DELER
 Y = +/- 1000 DELER

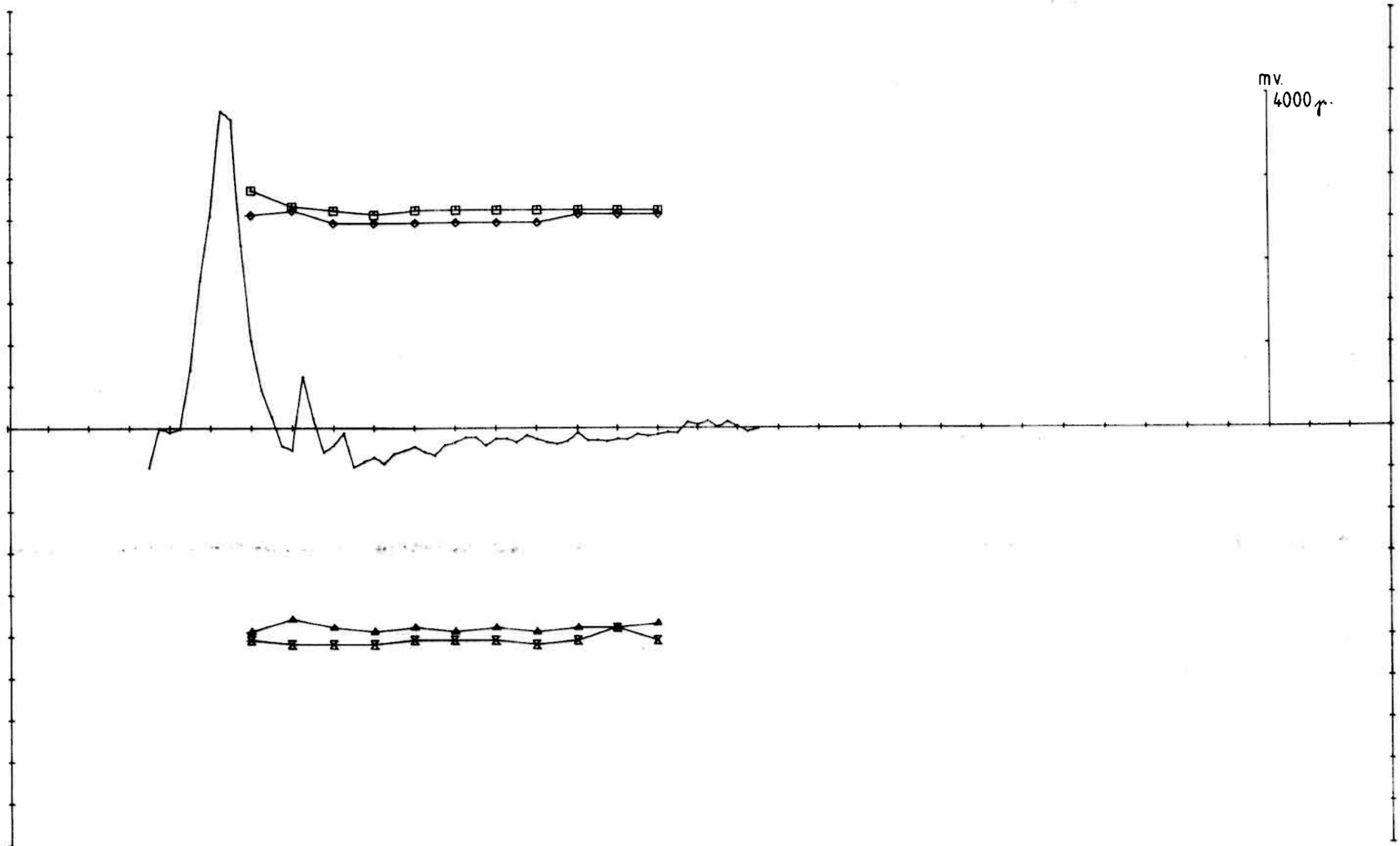
OMR 14 NGU
 EM - MAG
 KAUTOKEIN

SCALE	OBS.	07-83
1:2500	DRAW. TK ₂	12-83
	TRAC. Apple	12-83
	CHK.	

MAP NO.

1/8 SULFIDMALM

MAP SHEET



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

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-1.0	2.0	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	2.0	-500.0	10.0

X - SKALERING 100.0
 X - OFFSET 500.0
 X = 0 - 3000 DELER
 Y = +/- 1000 DELER

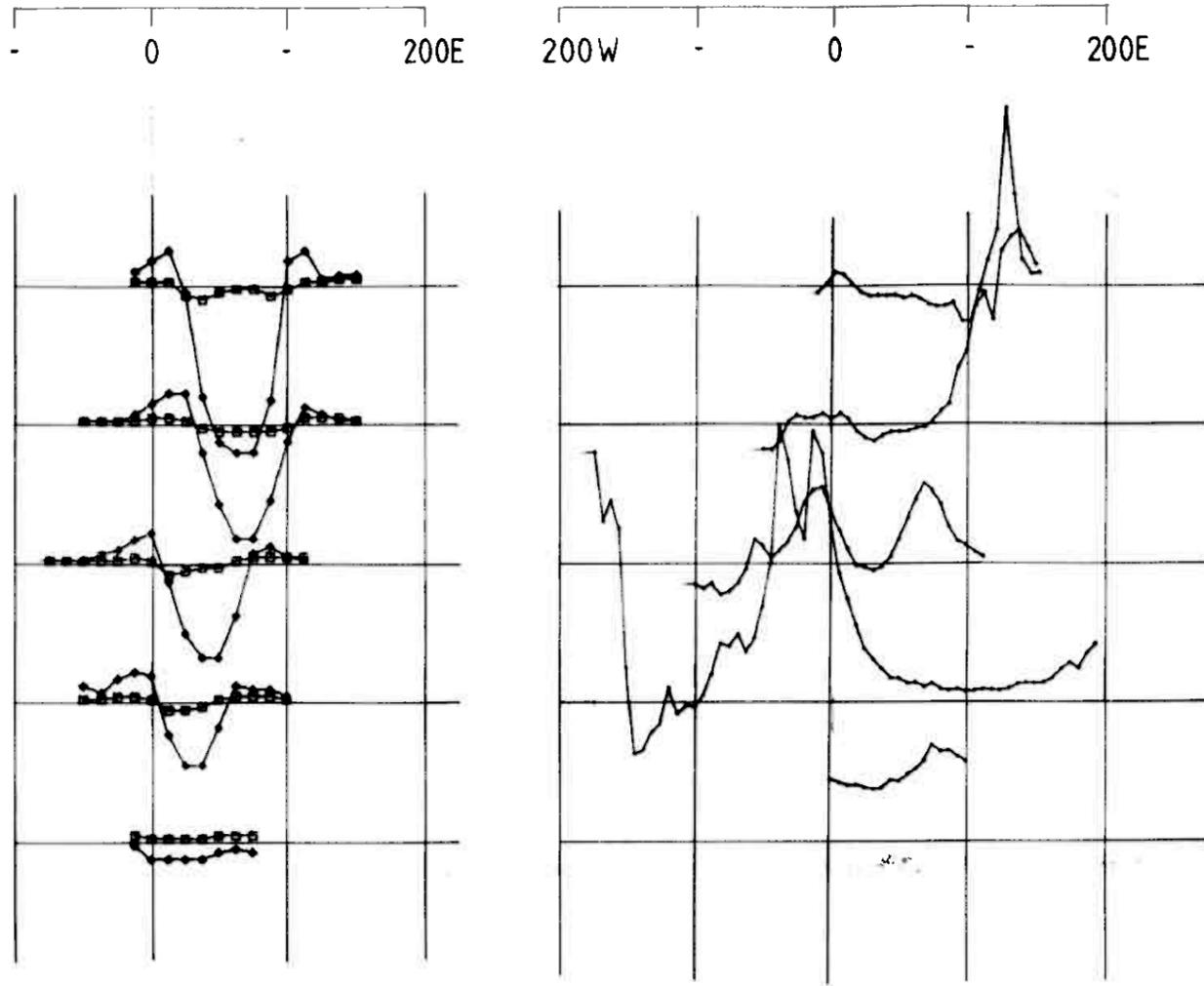
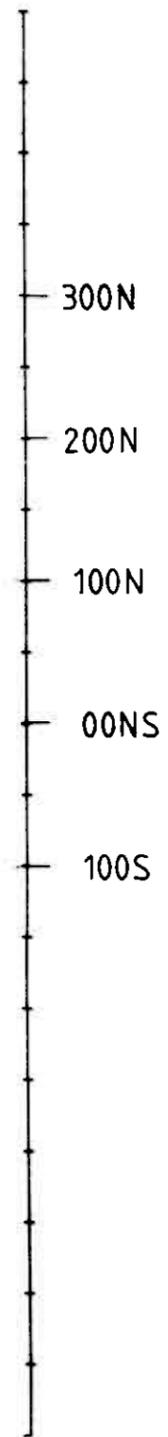
OMR 14 NGU
 EM - MAG
 KAUTOKEINØ

SCALE	OBS.	07-83
1:5000	DRAW. TK2	12-83
	TRAC. Apple	12-83
	CHK.	

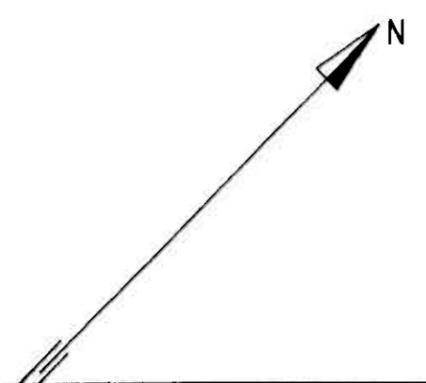
1/8 SULFIDMALM

MAP NO.

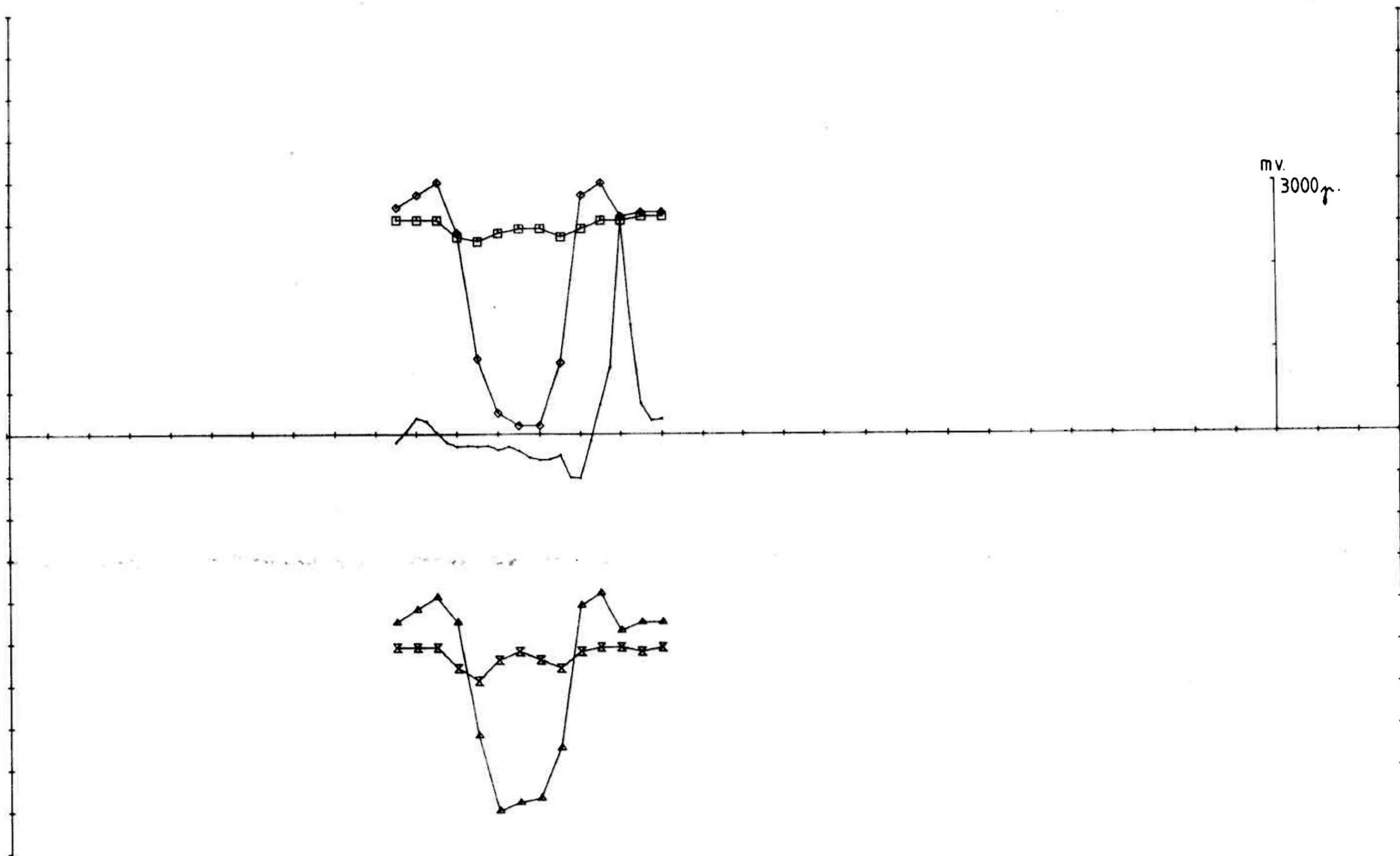
MAP SHEET



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



OMR 51. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:5000	DRAW. <i>F. 4</i>	12-83
TRAC. <i>Apple</i>		12-83	
CHK.			
1/3 SULFIDMALM	MAP NO.		
	MAP SHEET		



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

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆	-48.0	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	⊗	-9.0	0.0	-500.0	10.0

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

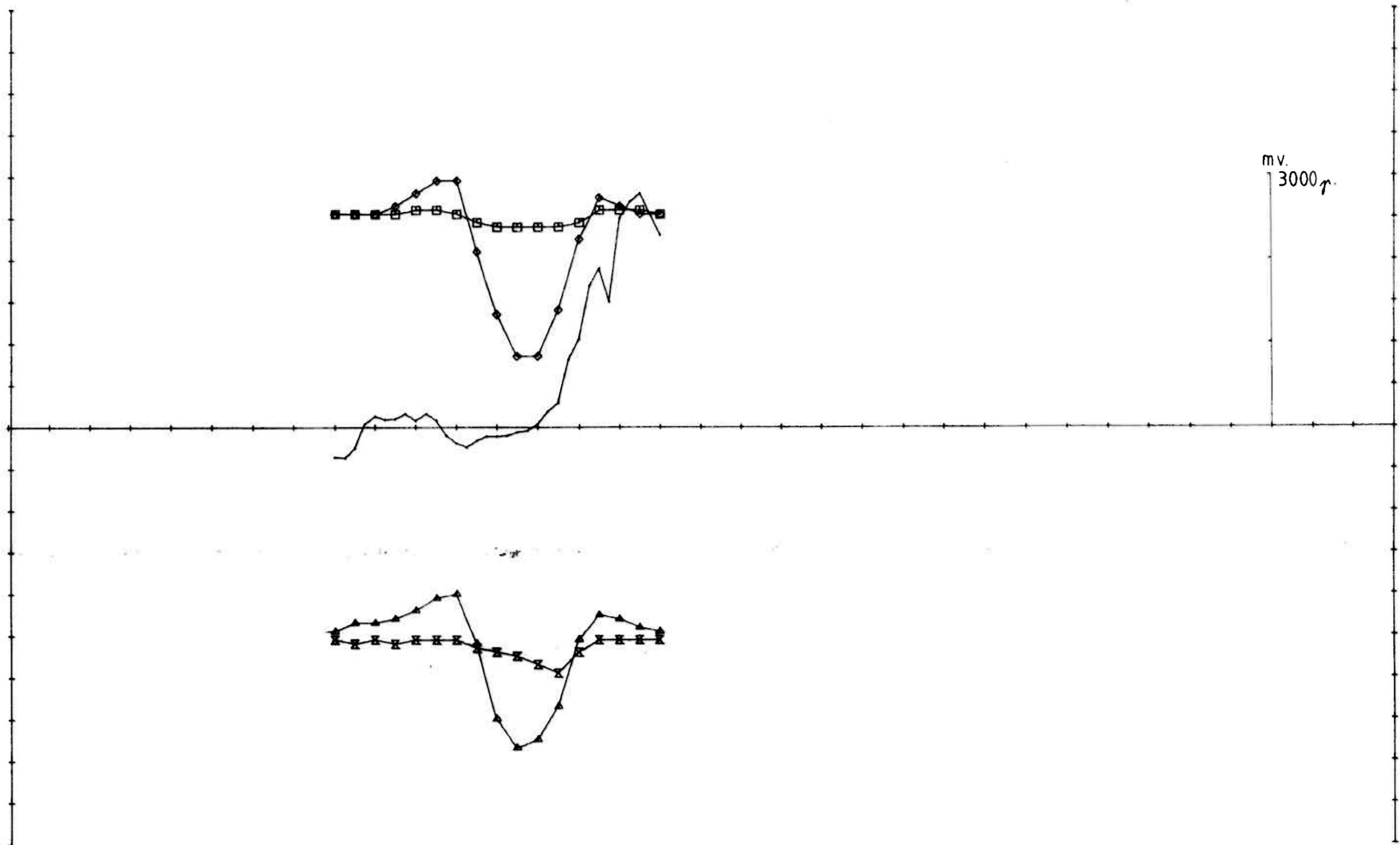
OMR. 51.
 EM - MAG.
 KAUTOKEINO.

SCALE	OBS.	08-83
1:2500	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.

DRAW. F. H

TRAC. *Apple*

CHK.

08-83

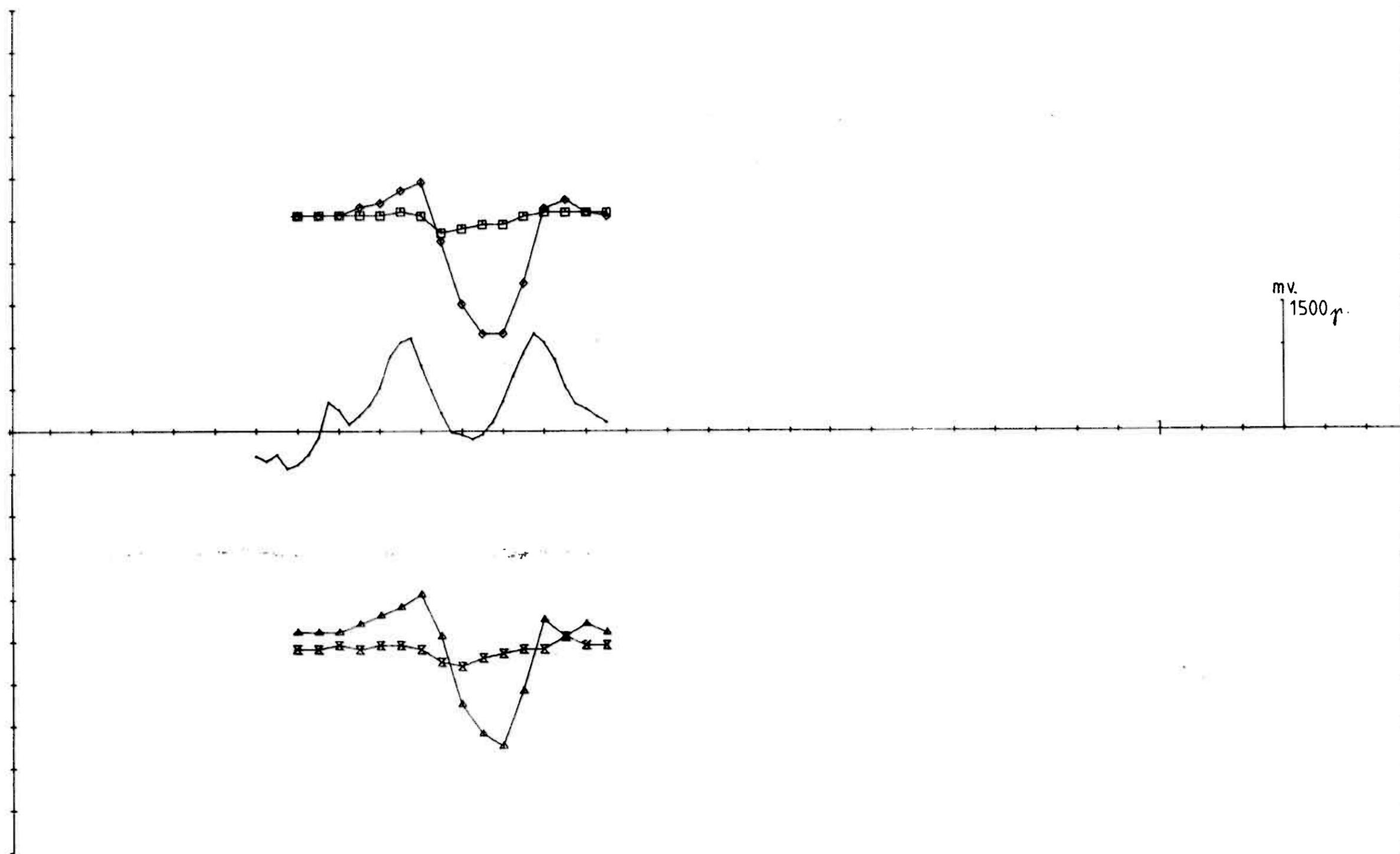
12-83

12-83

MAP NO.

$\frac{1}{8}$ SULFIDMALM

MAP SHEET



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

ELEMENT	MARKØR	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	⊗—⊗	-8.0	1.0	-500.0	10.0

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

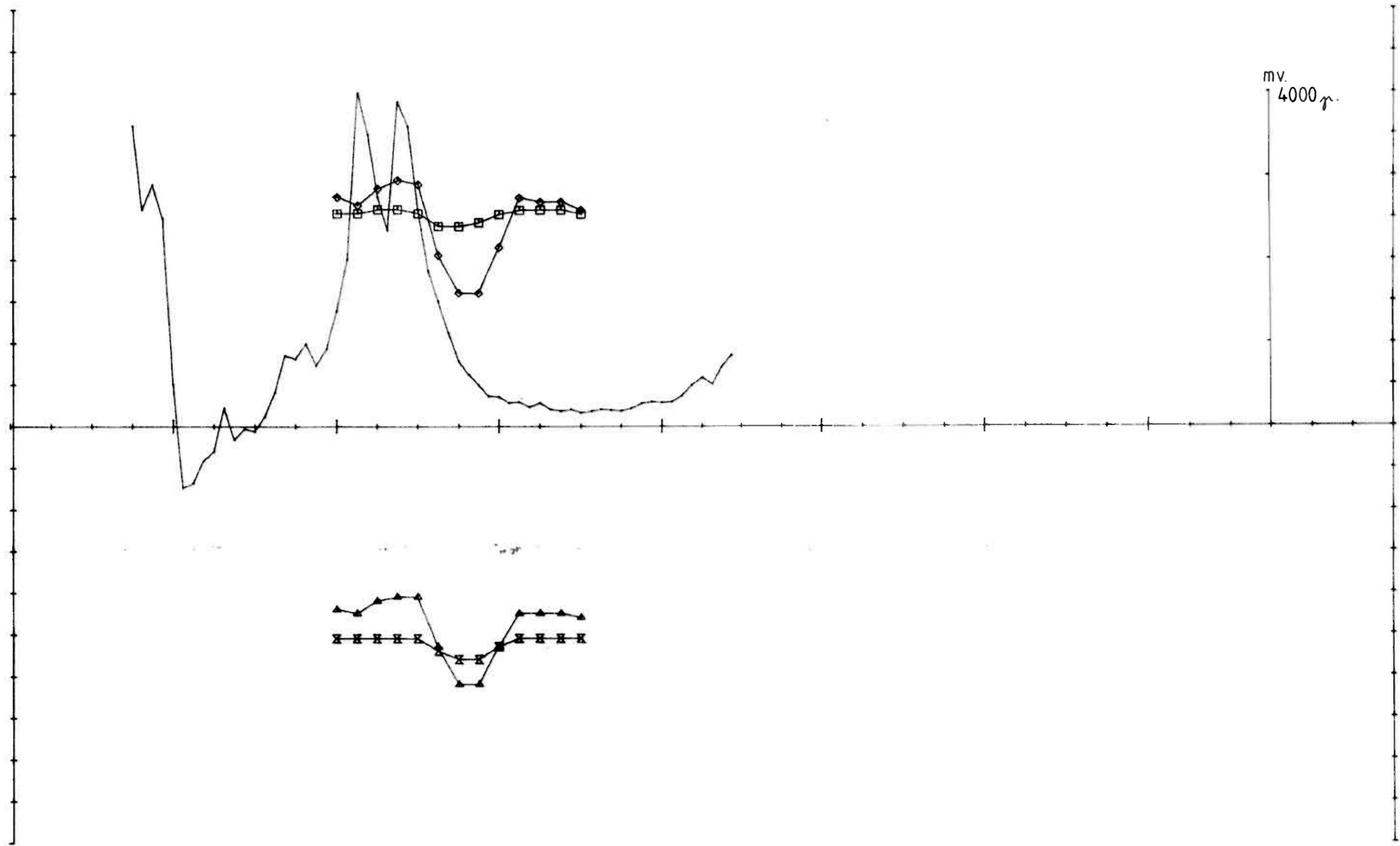
OMR 51.
 EM - MAG.
 KAUTOKEINO.

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

$\frac{1}{8}$ SULFIDMALM

MAP NO.

MAP SHEET



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

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.

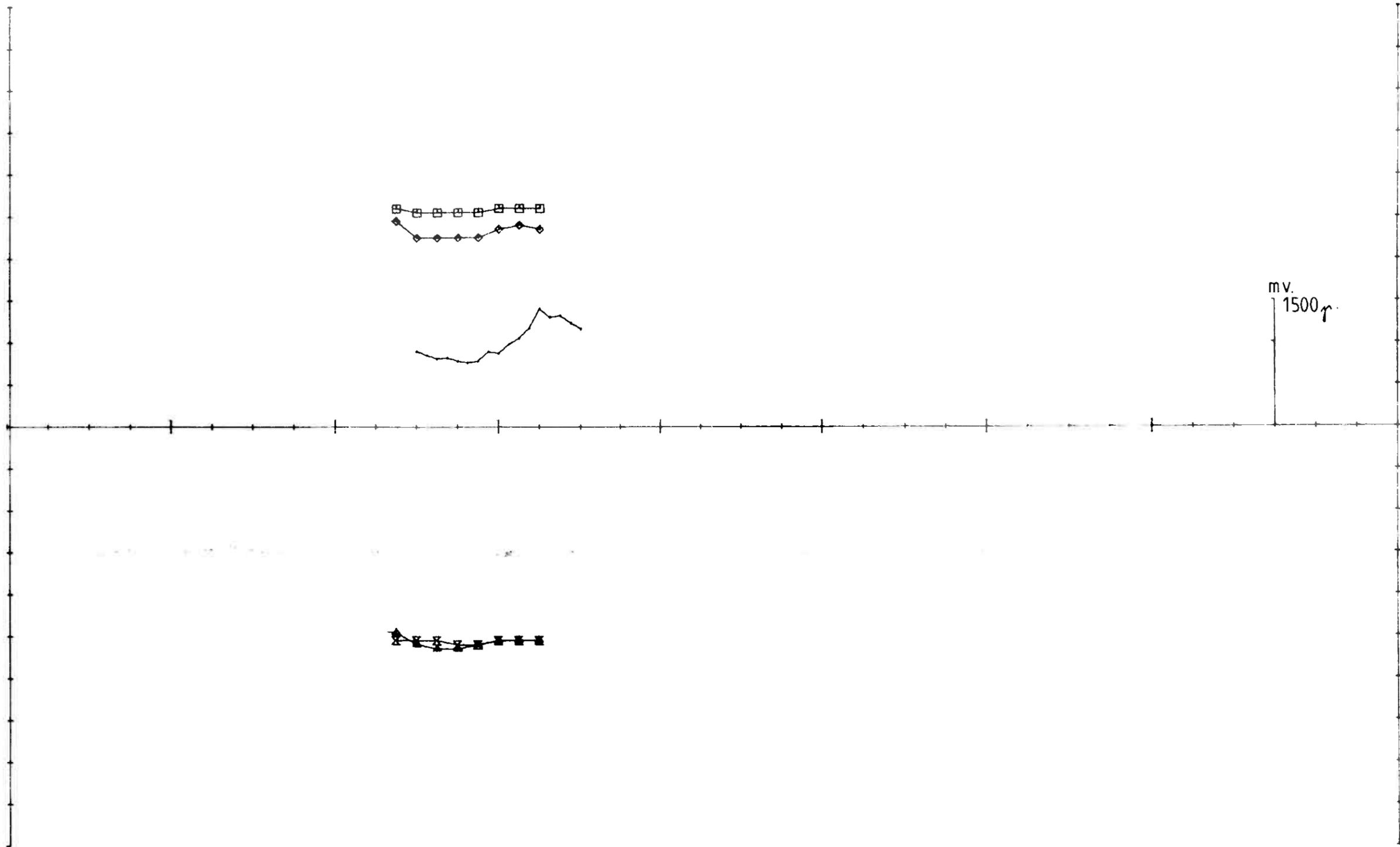
EM - MAG.
 KAUTOKEINO.

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

1/8 SULFIDMALM

MAP NO.

MAP SHEET

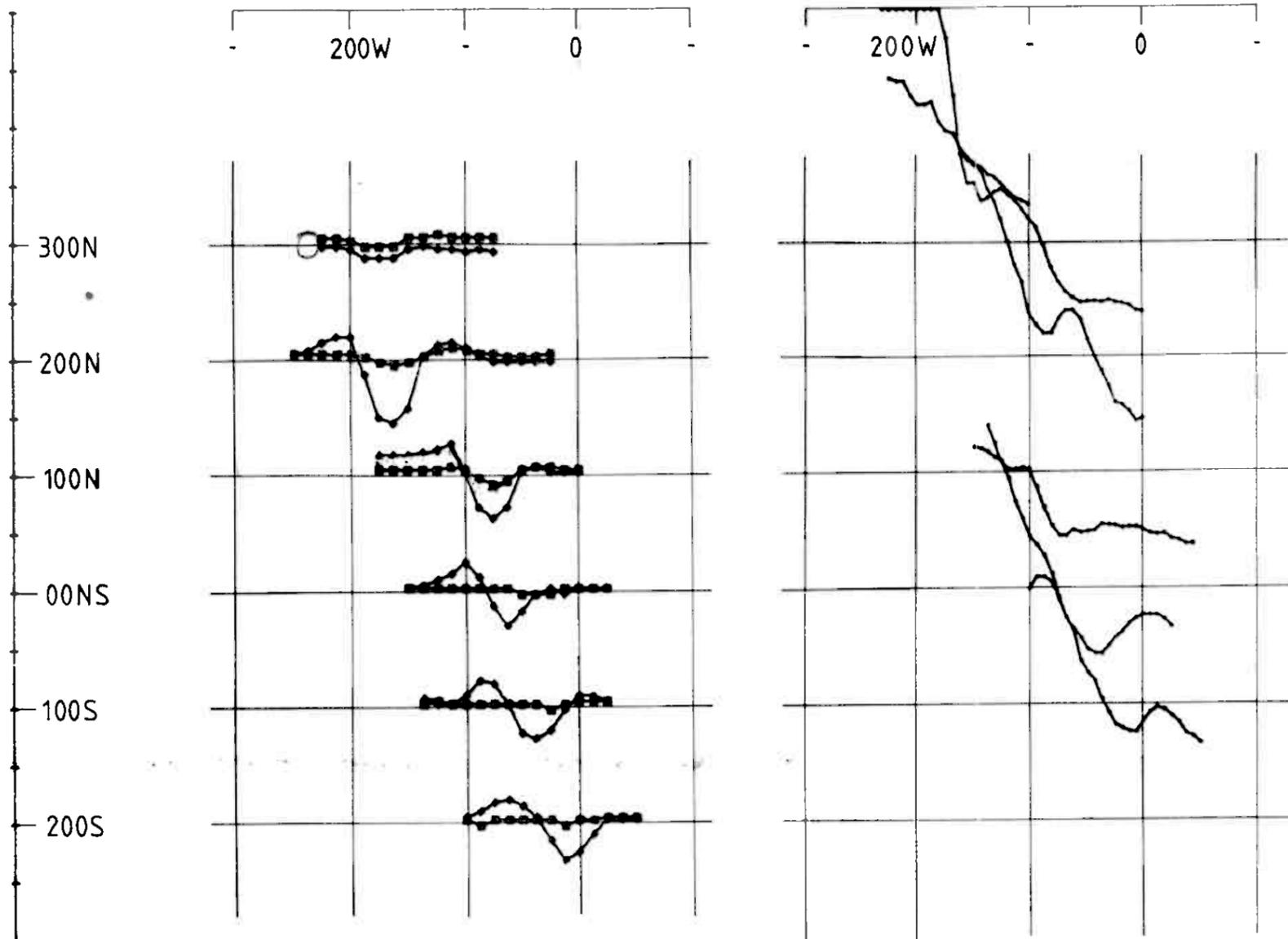


OMR, 51 1777/222 HZ 50 M CØIL SEP, 100S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	ØFFSET	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 - ØFFSET 900.0
 X = 0 - 3400 DELER
 Y = +/- 1000 DELER

OMR 51. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:2500	DRAW. <i>F.H.</i>	12-83
		TRAC. <i>Apple</i>	12-83
		CHK.	
1/5 SULFIDMALM		MAP NO.	
		MAP SHEET	



OMR 53 , 1777 HZ 50 M COIL SEP.

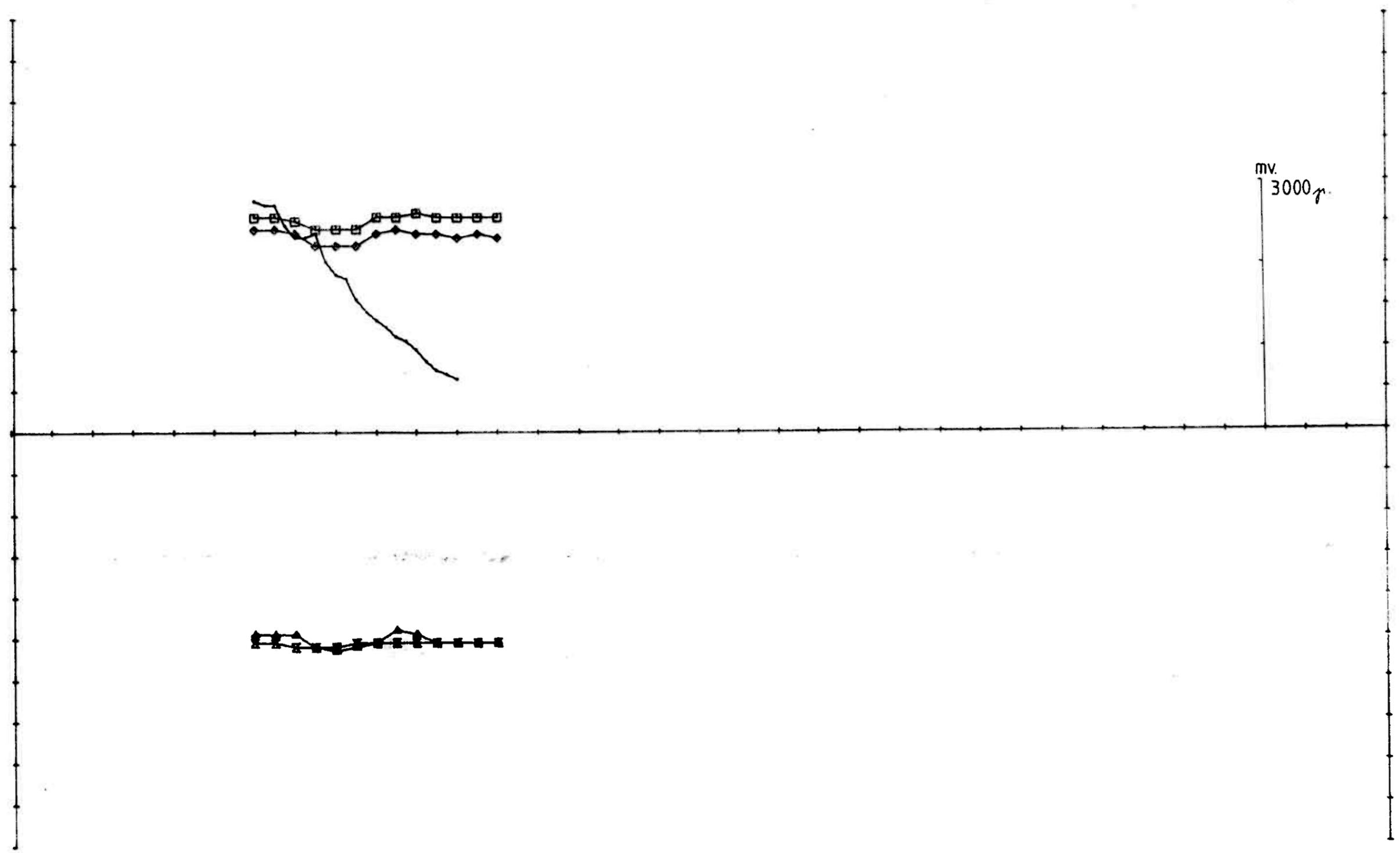
RH 
 IH 

OMR. 53.
 EM - MAG.
 KAUTOKEINO.

SCALE 1:5000	OBS.	08-83
	DRAW. F.#	12-83
	TRAC. <i>Apple</i>	12-83
	CHK.	

$\frac{N}{S}$ SULFIDMALM

MAP NO.
 MAP SHEET

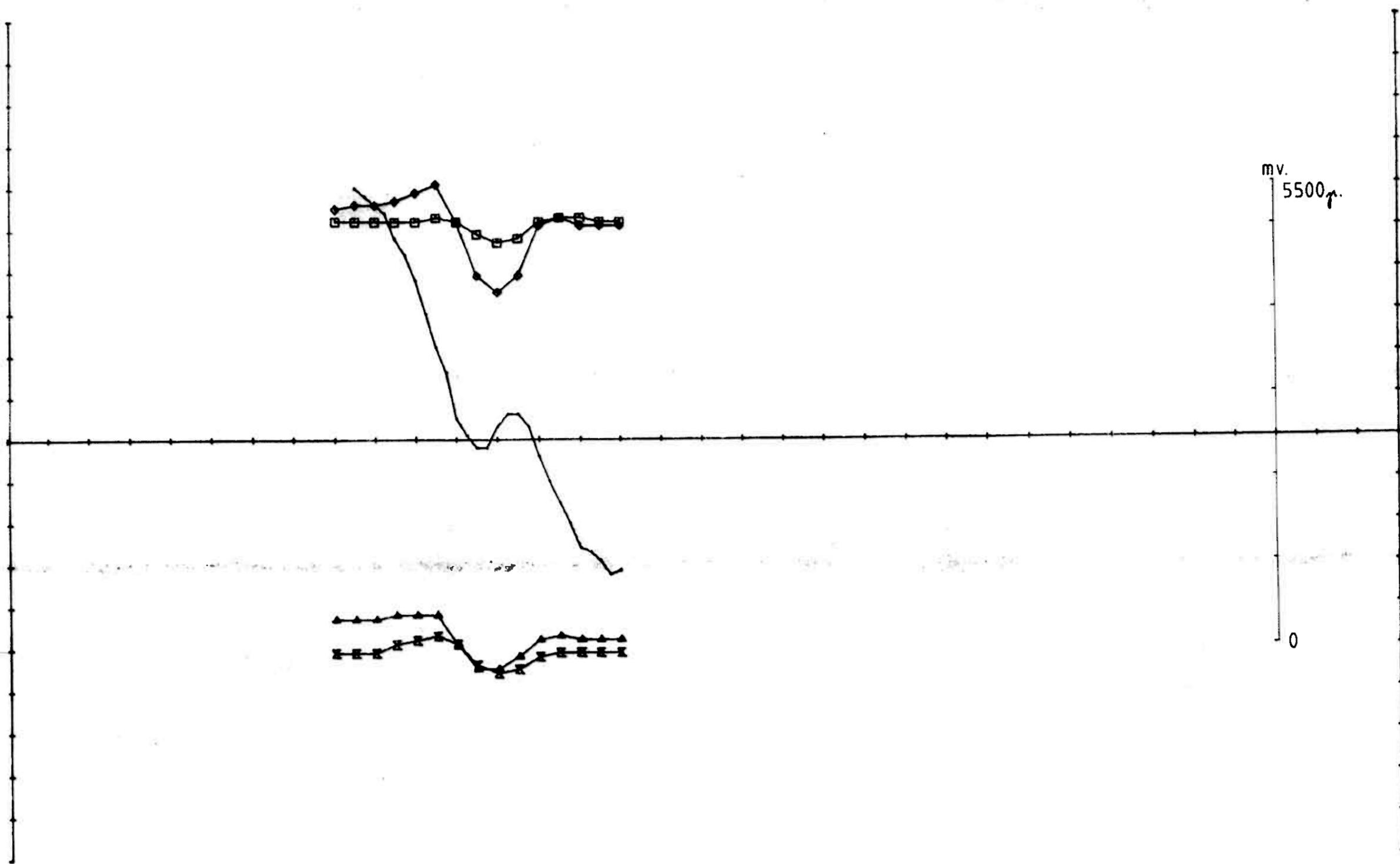


OMR, 53 1777/222 HZ 50 M COIL SEP, 300 N.

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	OBS.	08-83
	1:2500	DRAW. <i>F.H.</i>	12-83
TRAC. <i>Apple</i>		12-83	
CHK.			
1/5 SULFIDMALM	MAP NO.		
	MAP SHEET		

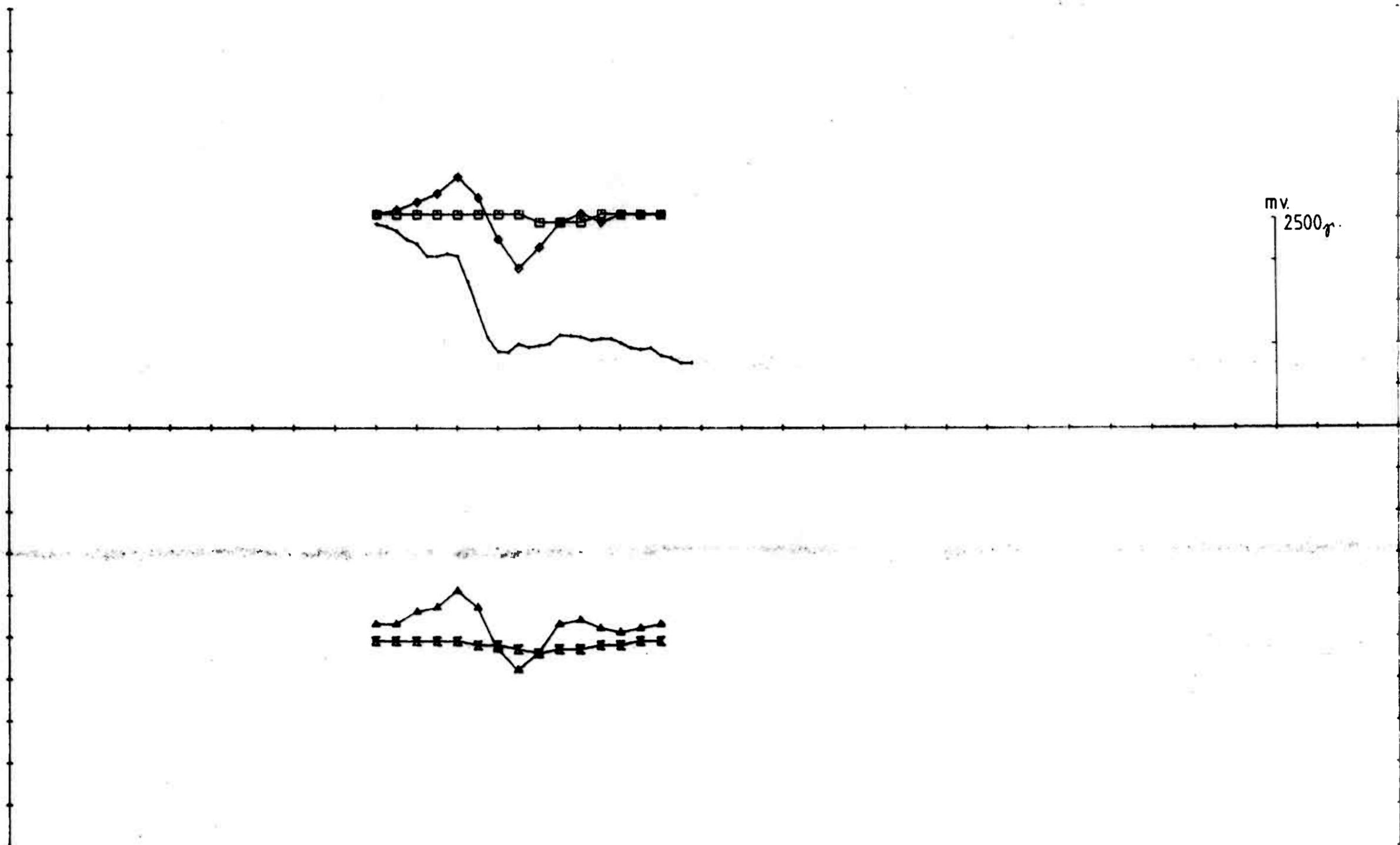


OMR, 53 1777/222 HZ 50 M COIL SEP, 100 N.

ELEMENT	MARKER	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	◼—◼	-8.0	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. 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, 00 NS.

ELEMENT	MARKOR	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	▲—▲	-8.0	11.0	-500.0	10.0
IL	✕—✕	-4.0	0.0	-500.0	10.0

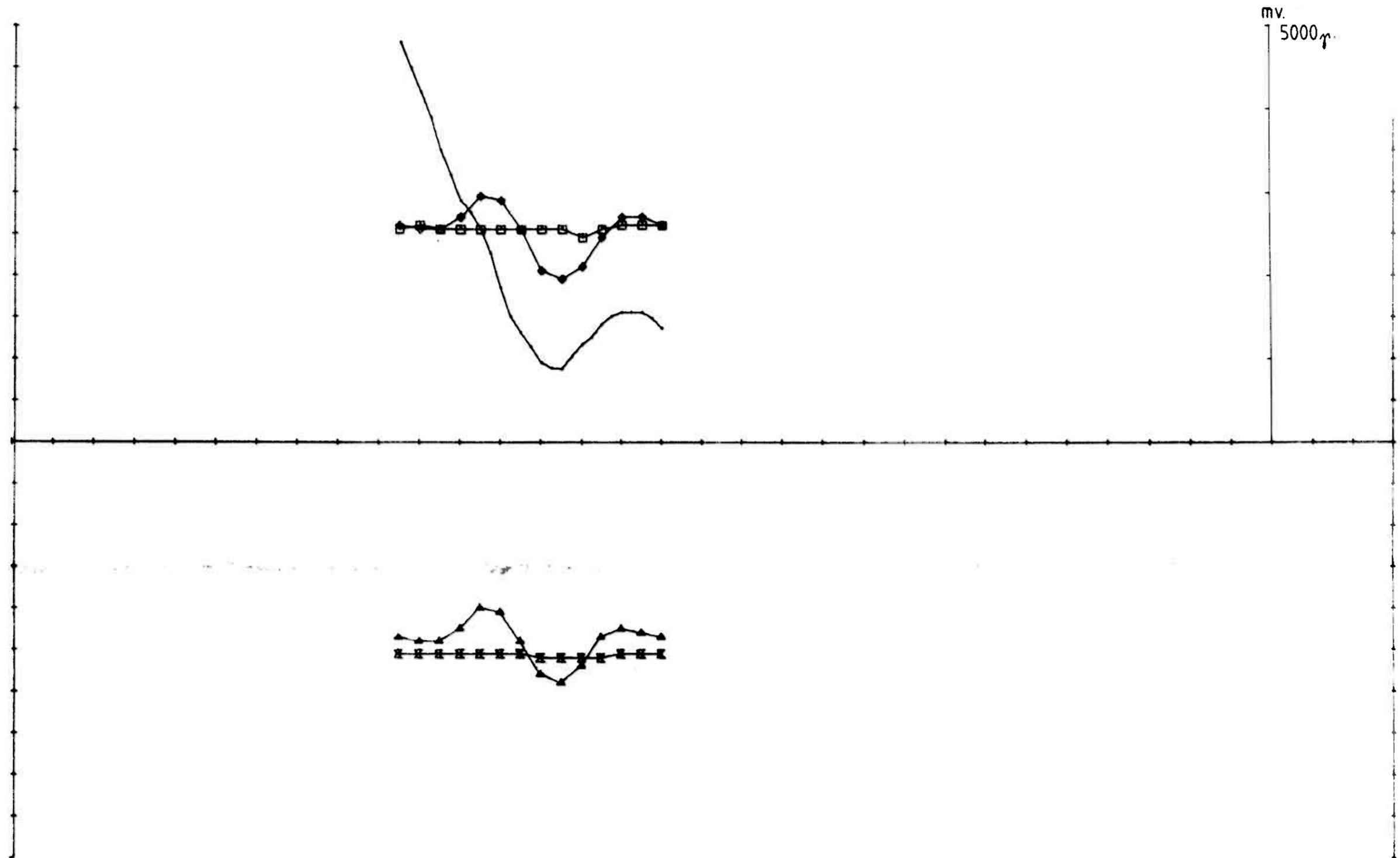
X - SKALERING 50.0
 K - OFFSET 650.0
 K = 0 - 3400 DELER
 Y = +/- 1000 DELER

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	

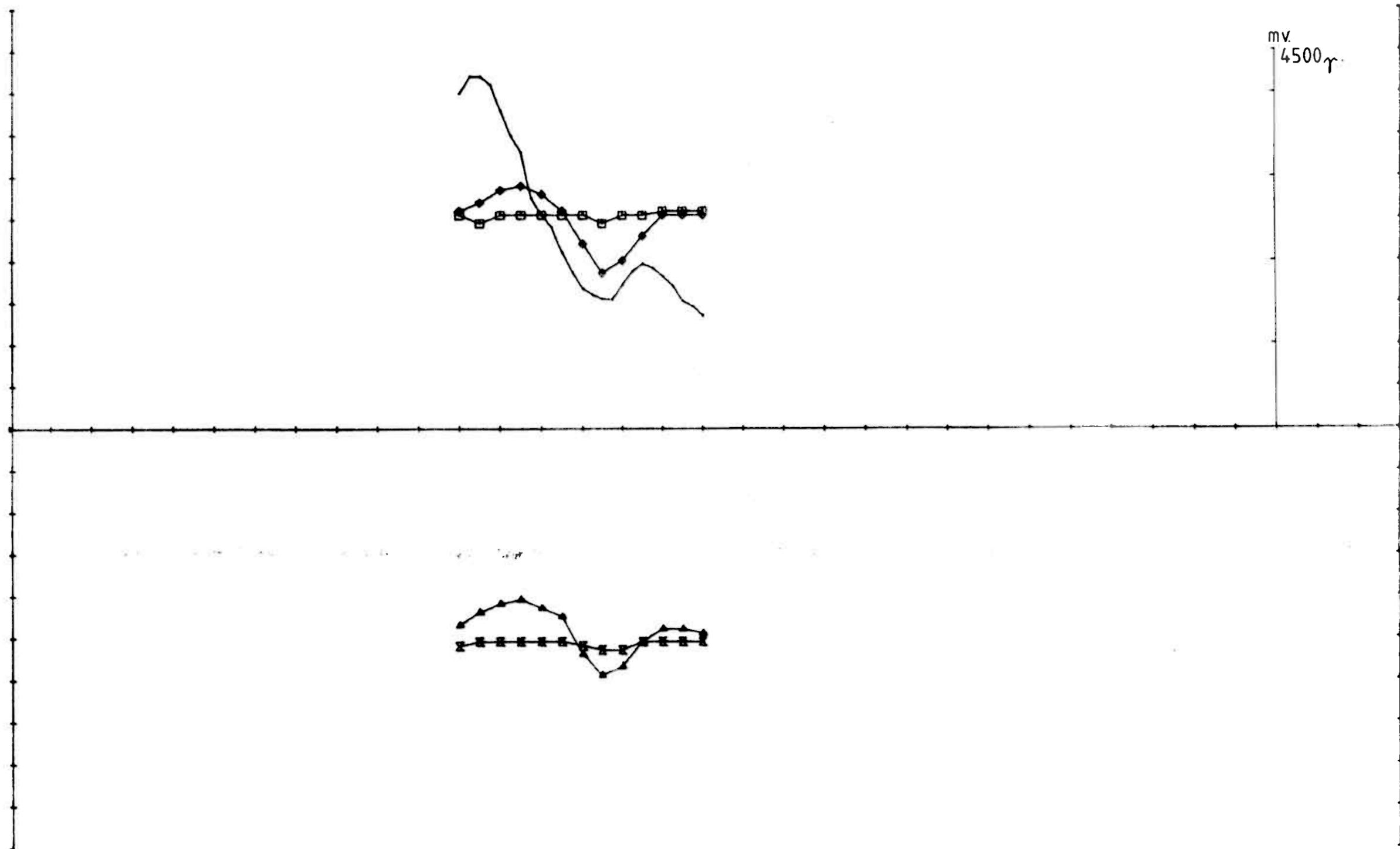


mv.
5000γ

OMR, 53 1777/222 HZ 50 M COIL SEP, 100 S.
 ELEMENT MARKØR MIN.VERDI MAX.VERDI OFFSET SKALA
 RH \blacktriangleleft \blacktriangleright -11.0 9.0 500.0 10.0
 IH \square \square -1.0 2.0 500.0 10.0
 RL \blacktriangle \blacktriangle -8.0 10.0 -500.0 10.0
 IL \blacktimes \blacktimes -2.0 0.0 -500.0 10.0

X - SKALERING 50.0
 X - OFFSET 900.0
 X = 0 - 3000 DELER
 Y = +/- 1000 DELER

OMR 53. EM - MAG. KAUTOKEINO.	SCALE	OBS.	08-83
	1:2500	DRAW.	<i>F. H.</i> 12-83
TRAC.		<i>Apple</i> 12-83	
CHK.			
$\frac{1}{3}$ SULFIDMALM	MAP NO.		
	MAP SHEET		



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

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆	-13.0	8.0	500.0	10.0
IH	□	-1.0	2.0	500.0	10.0
RL	▲	-8.0	8.0	-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	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