A/S BIDJOVAGGE GRUBER
ASPRO PROSPEKTERING
GAMLE RINGERIKS VEI 14 POSTB. 83 - 1321 STABEKK
ELEID AV AKTIESELSKABET SYDVARANGER
(02) 53 08 34
Telex 72987 aspro n

567

INTERN RAPPORT.

DATO: 18.06.84	RAPPORT NR: 1520	KARTBLAD 1832 I 1833 II	Antall sider —"— bilag

SAKSBEARBEIDER FINN HANSEN

RAPPORT VEDRØRENDE:

LOW FREQUENCY ELECTROMAGNETIC AND MAGNETIC VERTICAL FIELD MEASUREMENTS IN THE SUPERIOR OIL JOINT VENTURE AREA WINTER 1984.

FORDELING

OSLO:

KIRKENES:

ANDRE:

RESYMÉ:

The survey was conducted in order to locate and detail a selection of HEM anomalies outlined by NGU surveyed summer 1979 (Sander system, Report no. NGU 1782). Data repressed by Dighem Ltd., Report no. 1381 and HEM anomalies outlined by Dighem summer 1982, Report no. 1413.

Eighteen localities were considered priority target areas for follow up work, of which six are inside The Superior Oil Joint Venture Area.

This is area 66, 68, 69 and 37[x)] and are enclosed in this report. Area 67 proved negative and has not been paid further attention. Area 29 is expectant further geophysical testing and will be reported on later.

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.

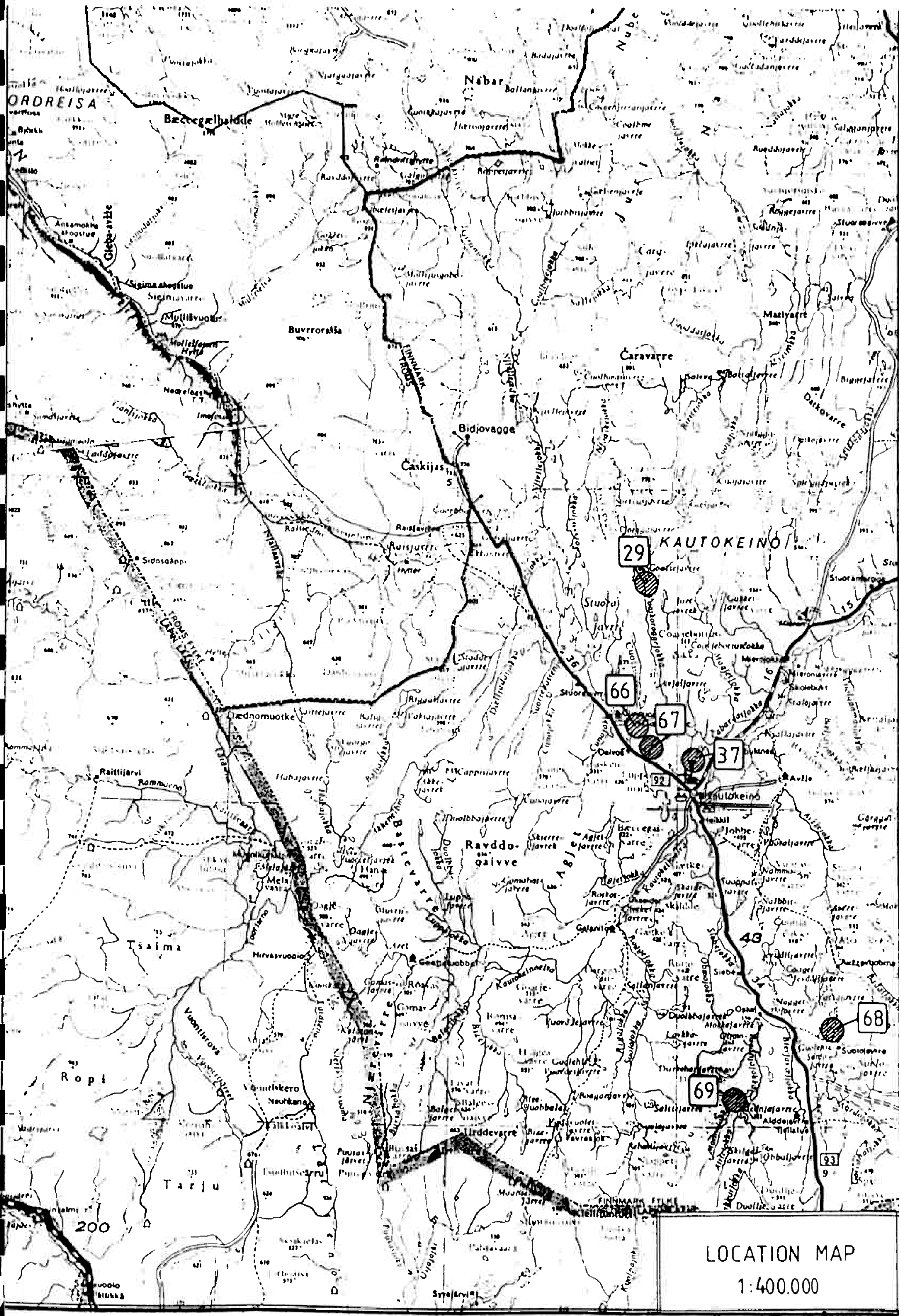
Areas 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65 and 14 are inside The Bidjovagge Consession/Gulf Joint Venture Area and reported on in a simular way in Report no. 1519.

x) Resurveyed with different profile direction (reported on earlier in Report no. 1469).

LFEM, Apex MaxMin II 1777/222 Hz
MAGN., McPhar M 700 Vert. field comp.
MAGN.base, McPhar M 700/Rustrak chartrecorder
DATA REC./PLOT, APPLE II

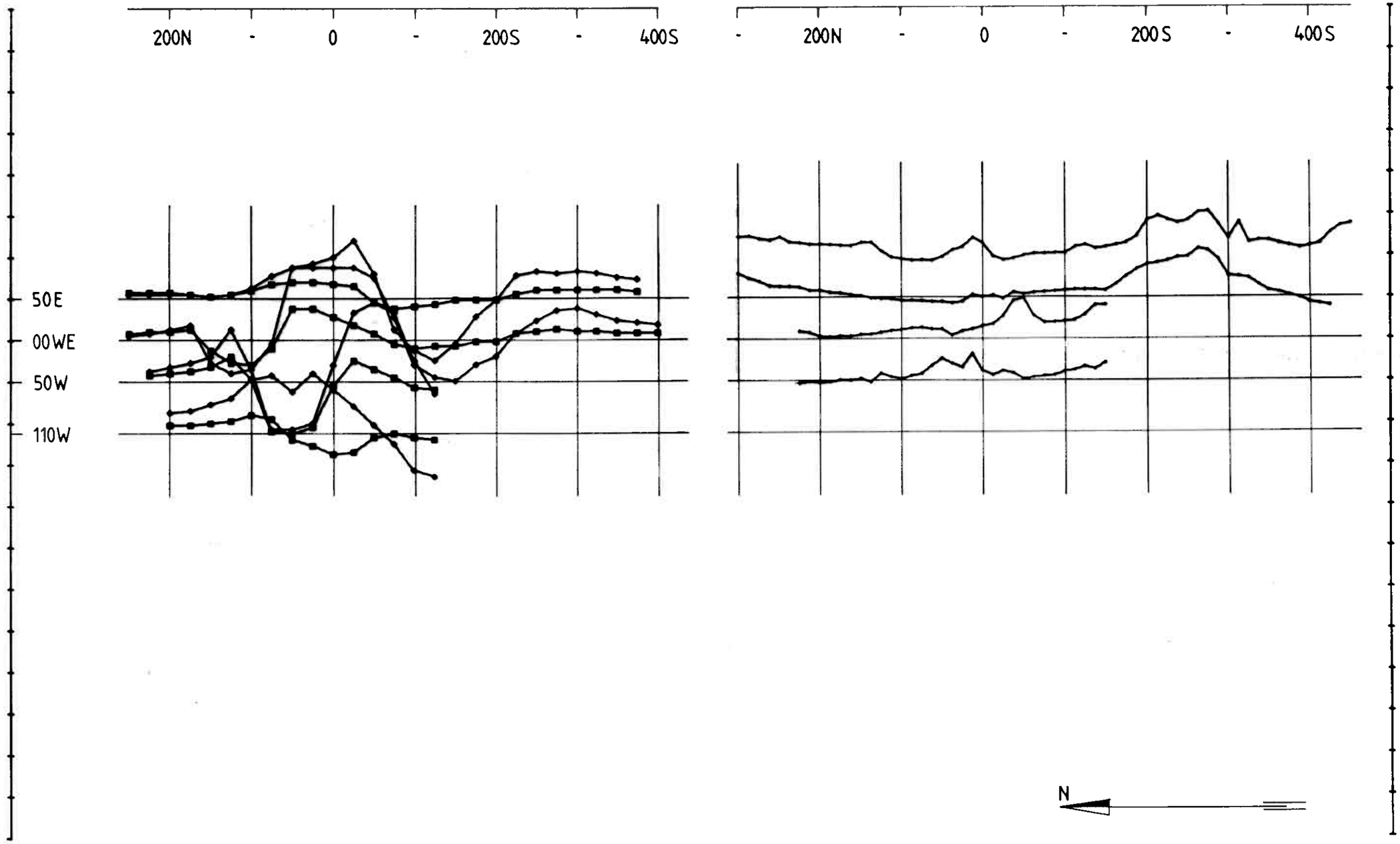
KOMMENTAR:

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



LOCATION MAP

1:400.000



OMR,37 1777 HZ 100M COIL SEP.

ELEMENT	MARKOR
RH	◆—◆
IH	■—■

OMR. 37
EM - MAG
KAUTOKEINO

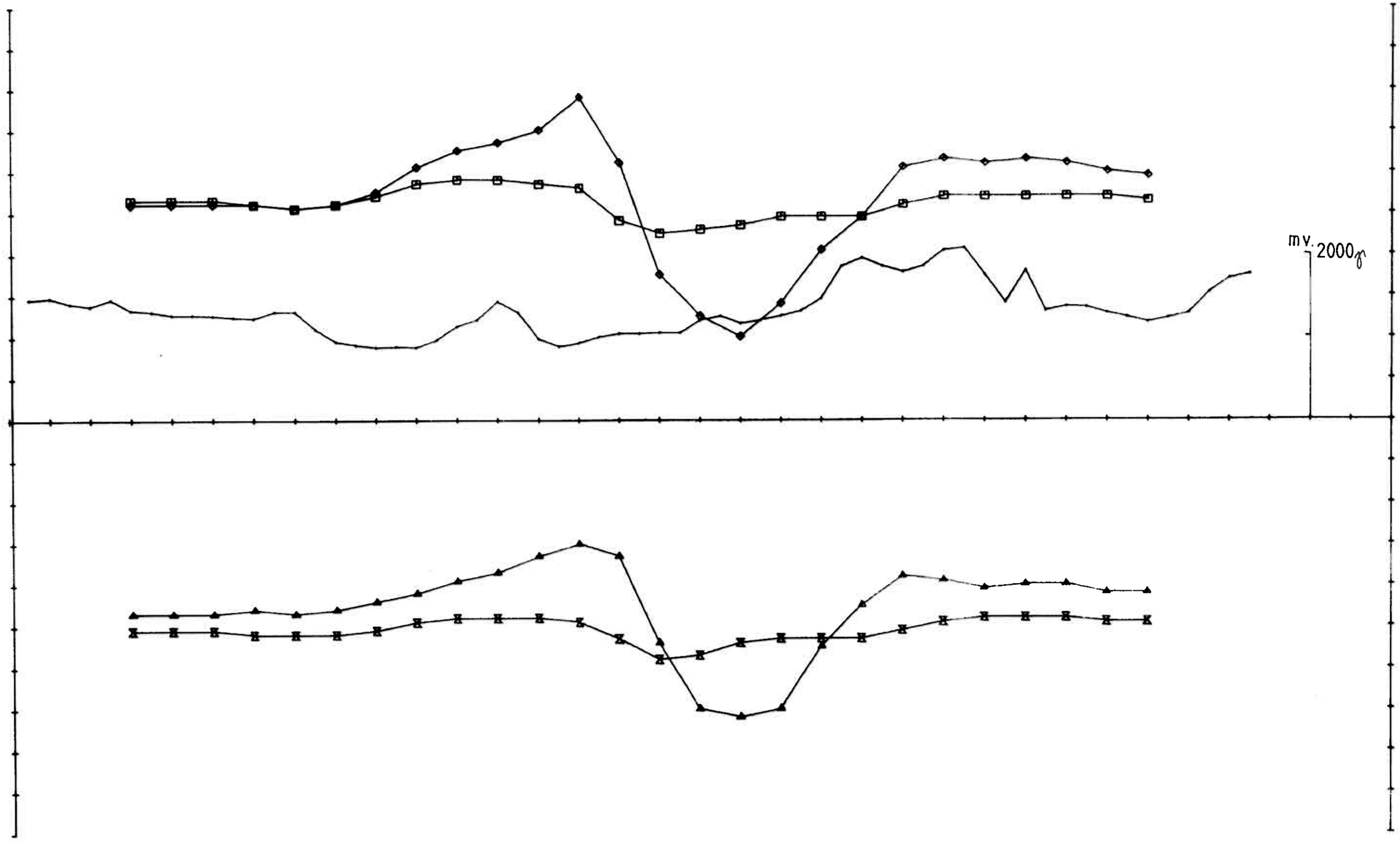
A/S SULFIDMALM

SCALE		
1:5000	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR,37 1777/222HZ 100M COIL SEP,PROFILE 3705DES1.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆——◆	-30.0	26.0	500.0	10.0
IH	□——□	-5.0	6.0	500.0	10.0
RL	▲——▲	-22.0	20.0	-500.0	10.0
IL	⧗——⧗	-6.0	2.0	-500.0	10.0

X - SKALERING 100.0
X - OFFSET 200.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

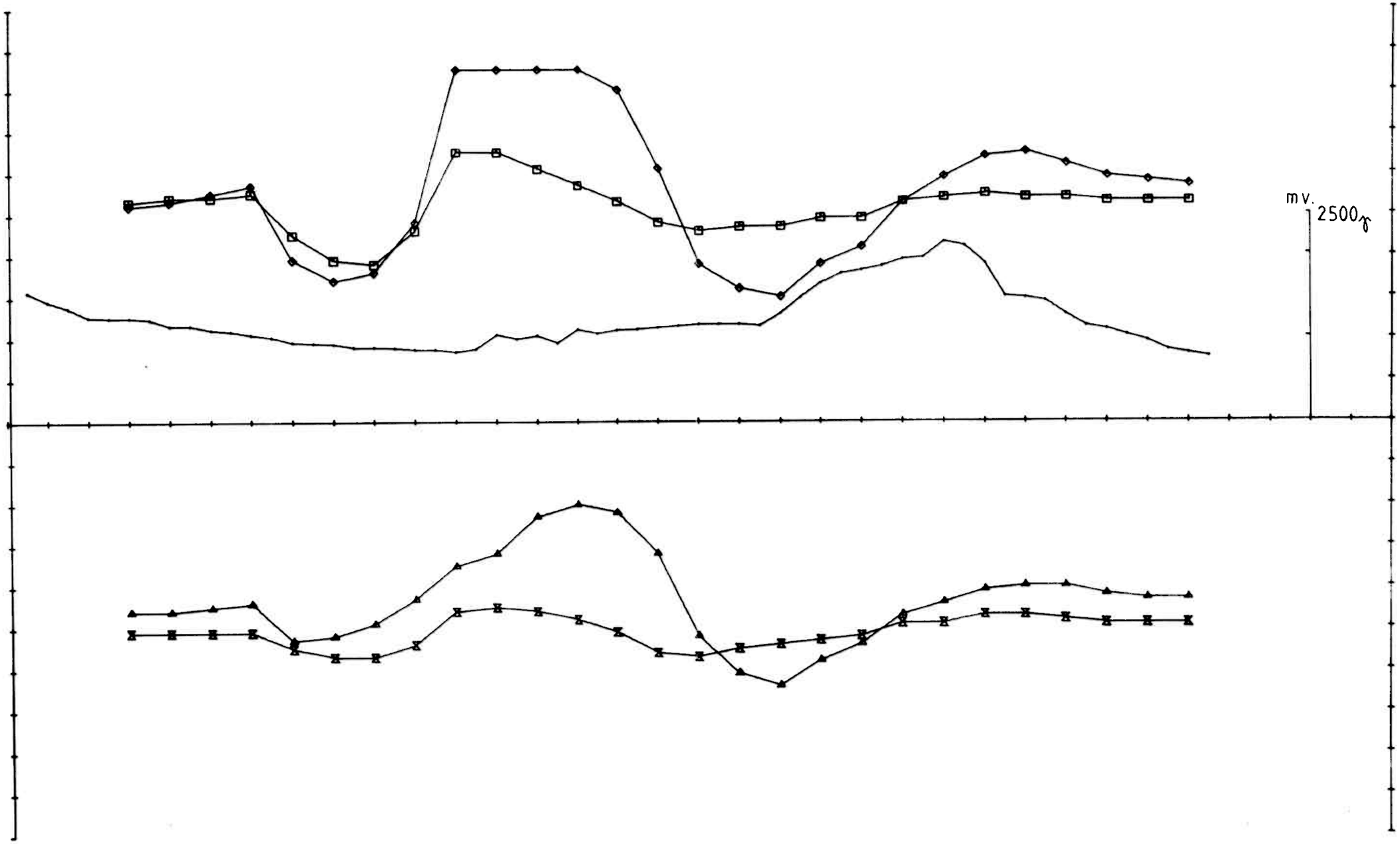
OMR. 37
EM - MAG
KAUTOKEINO

A/S SULFIDMALM

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



OMR,37 1777/222HZ 100M COIL SEP,PROFILE 3700WEST.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆——◆	-20.0	35.0	500.0	10.0
IH	□——□	-12.0	15.0	500.0	10.0
RL	▲——▲	-14.0	30.0	-500.0	10.0
IL	⧗——⧗	-7.0	5.0	-500.0	10.0

X - SKALERING 100.0
X - OFFSET 200.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 37
EM - MAG
KAUTOKEINO

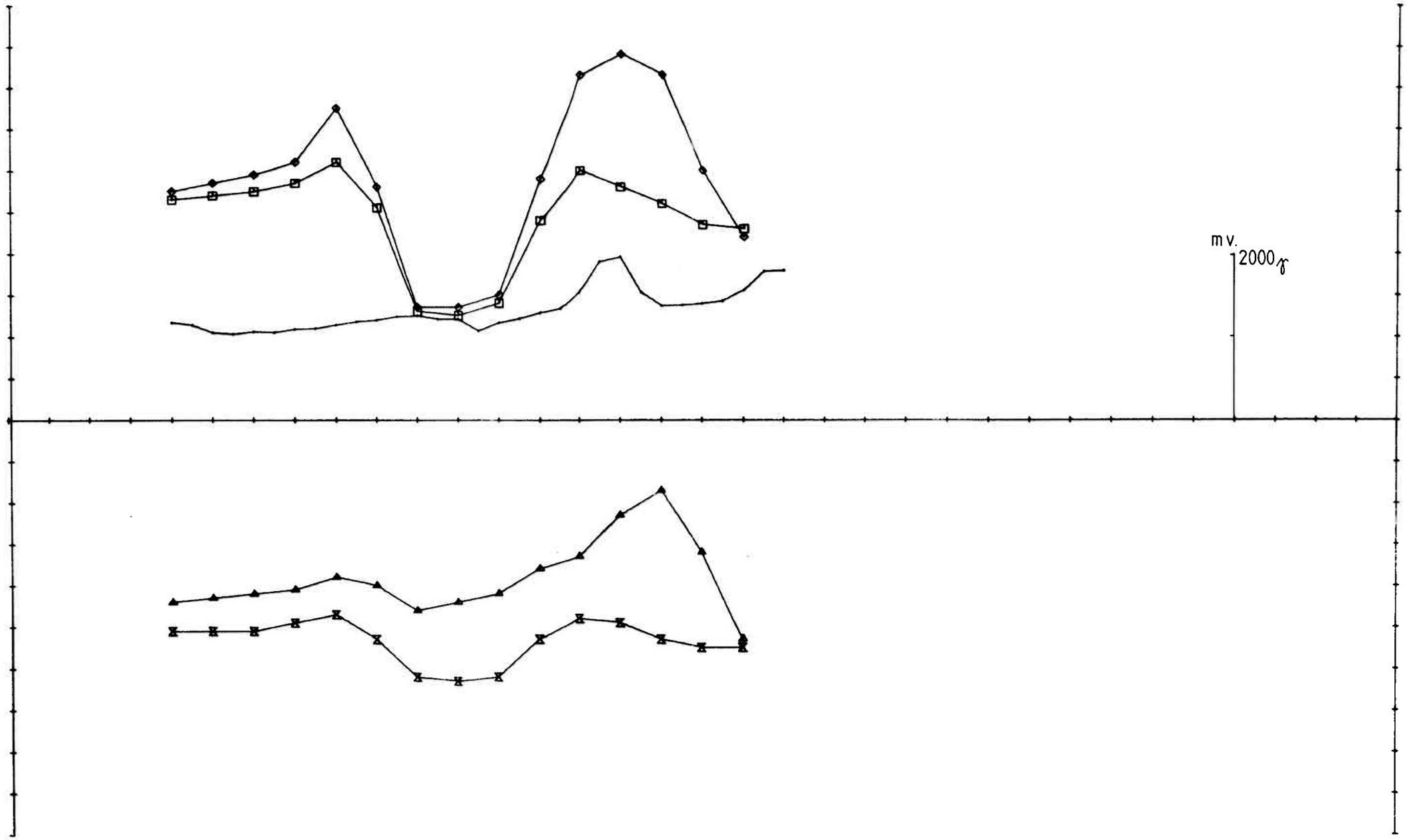
SCALE 1:2500

OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

⅘ SULFIDMALM

MAP SHEET



OMR,37 1777/222HZ 100M COIL SEP,PROFILE 37050WS1.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-23.0	36.0	500.0	10.0
IH	□—□	-25.0	12.0	500.0	10.0
RL	▲—▲	-3.0	33.0	-500.0	10.0
IL	⧗—⧗	-13.0	3.0	-500.0	10.0

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

OMR. 37
EM - MAG
KAUTOKEINO

SCALE 1:2500

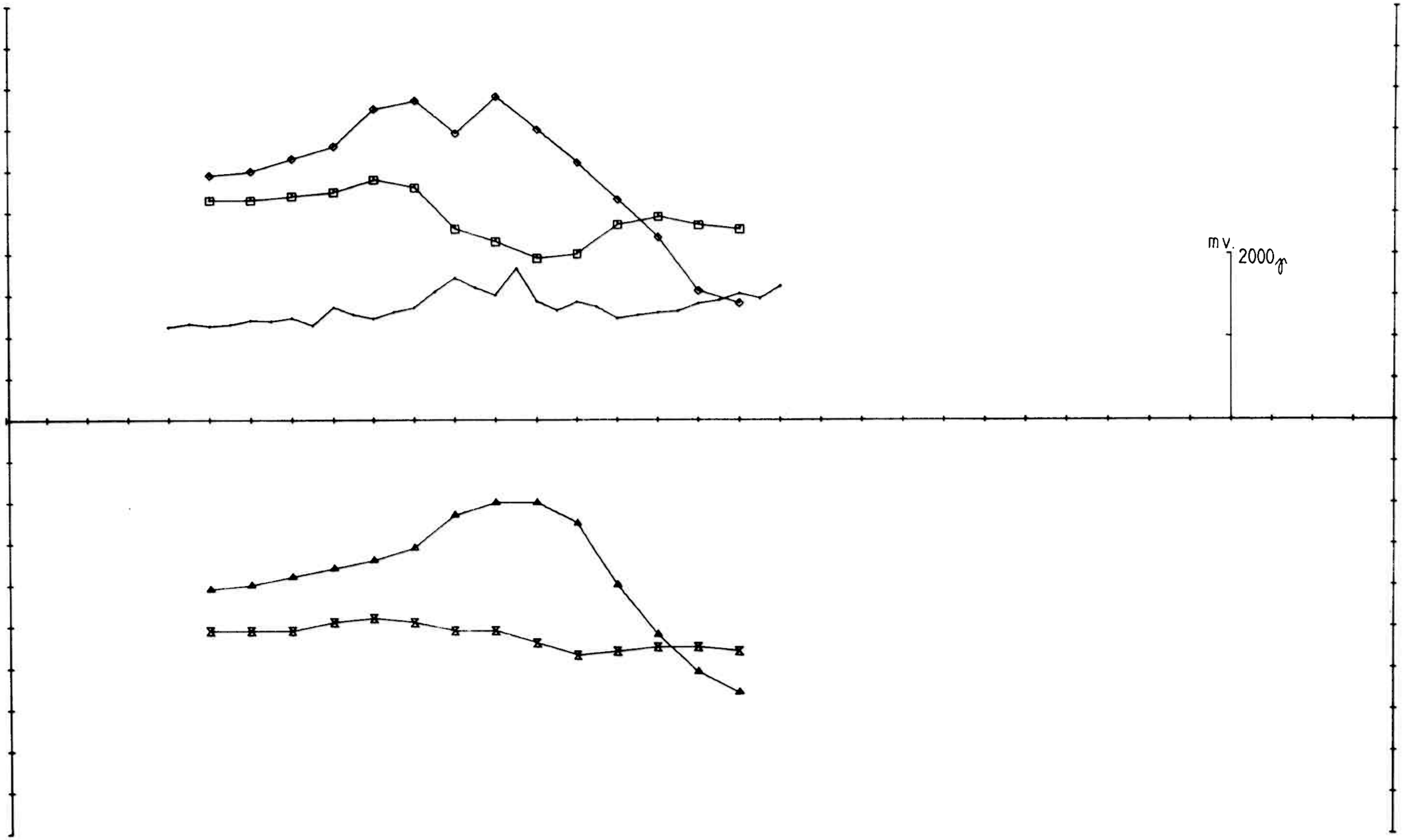
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

A/S SULFIDMALM

MAP SHEET

A.s Terrkopi. 1000. A 3. F 9 yl. 11-77. Senerum Trykkeri



OMR,37 1777/222HZ 100M COIL SEP,PROFILE 37110WS1 .

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	ØFFSET	SKALA
RH	◆—◆	-22.0	26.0	500.0	10.0
IH	□—□	-11.0	6.0	500.0	10.0
RL	▲—▲	-16.0	30.0	-500.0	10.0
IL	⧗—⧗	-7.0	2.0	-500.0	10.0

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

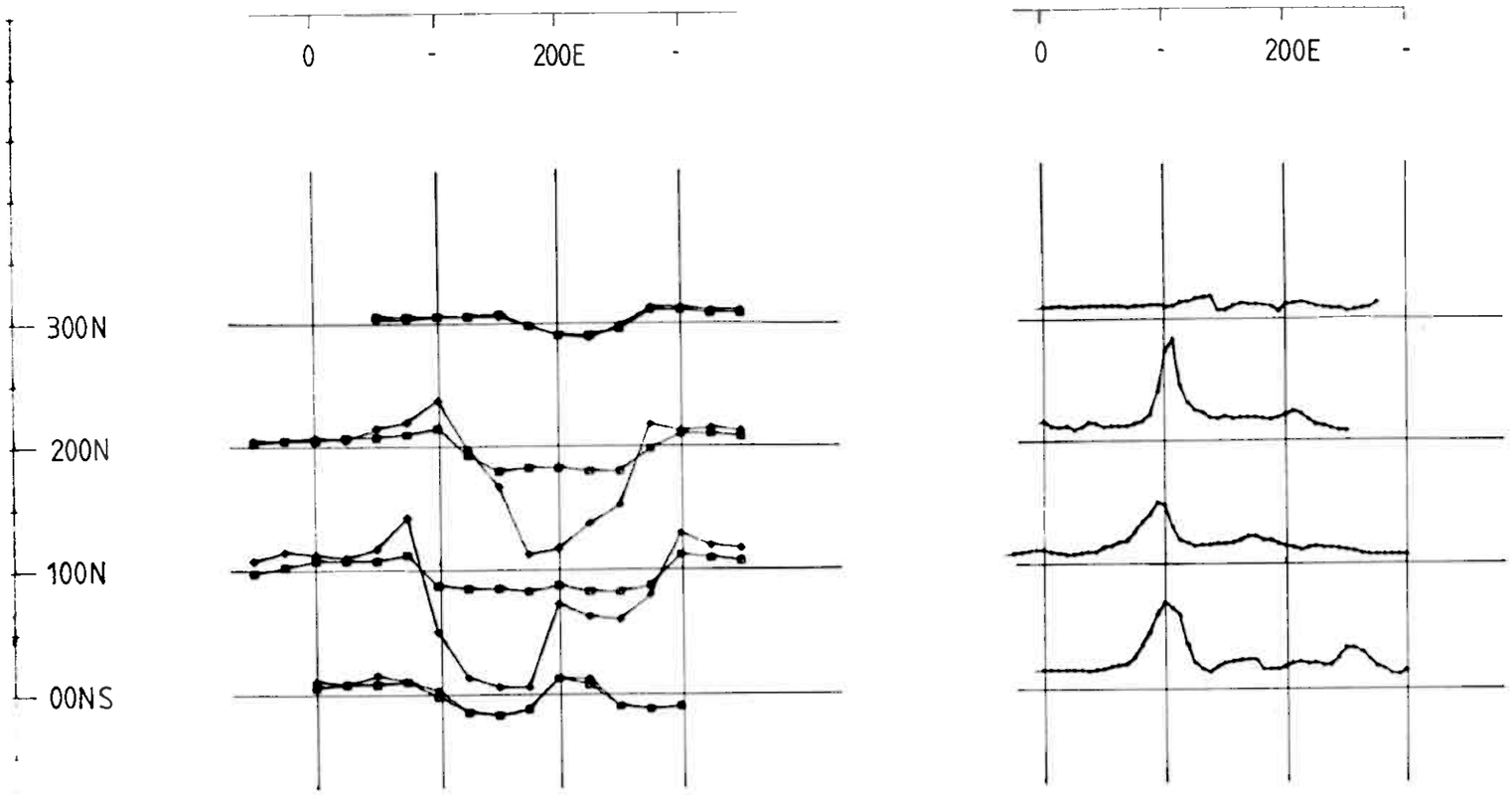
OMR. 37
EM - MAG
KAUTOKEINO

A/S SULFIDMALM

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



N

OMR.66 1777. HZ 100M COIL SEP

ELEMENT MARKØR

RH

IH

OMR. 66

EM - MAG

KAUTOKEINO

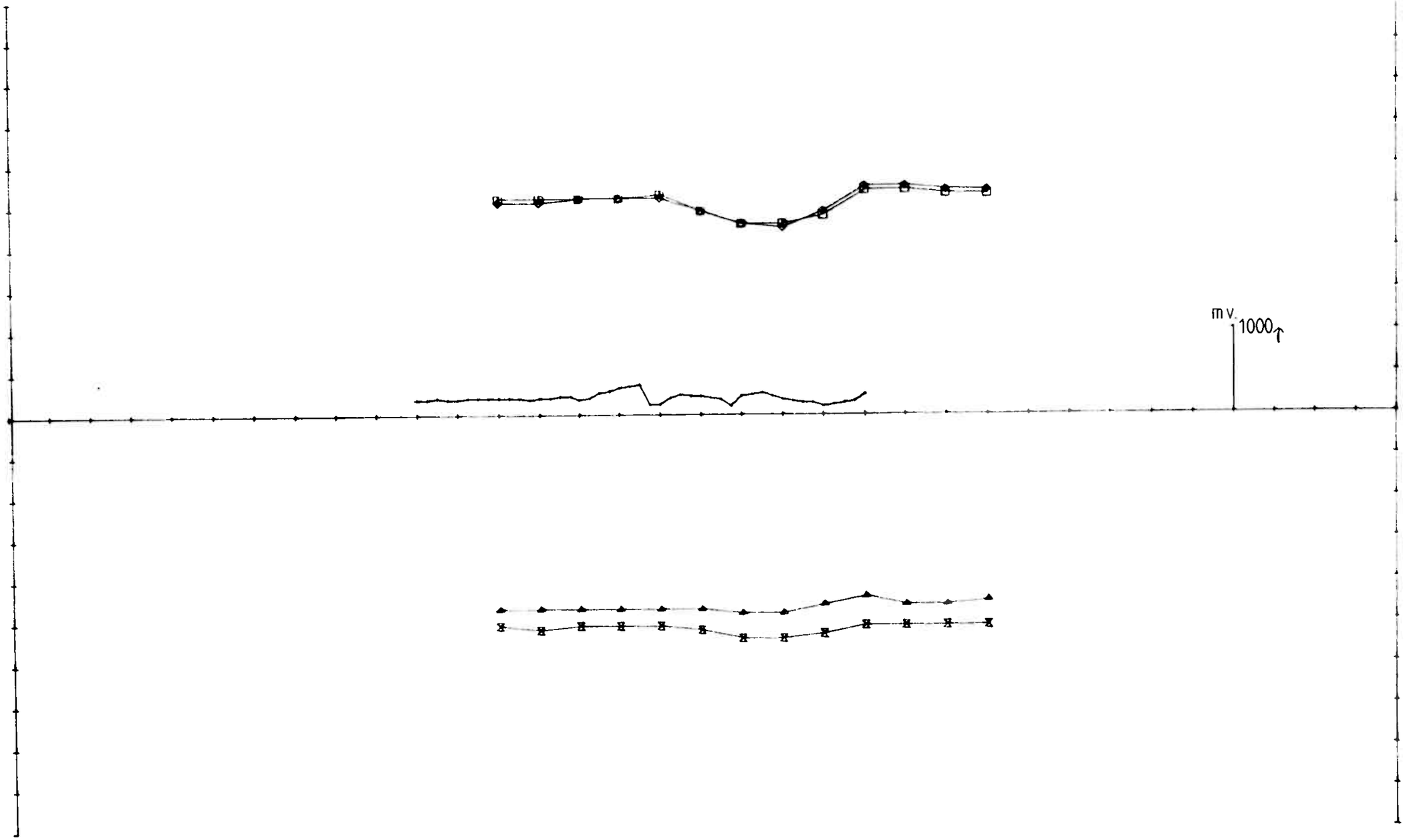
A/S SULFIDMALM

SCALE		
1:5000	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR.66 1777/222HZ 100M COIL SEP. PROFILE 300N.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH		-5.0	5.0	500.0	10.0
IH		-4.0	4.0	500.0	10.0
RL		0.0	6.0	-500.0	10.0
IL		-4.0	0.0	-500.0	10.0

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

OMR. 66
EM - MAG
KAUTOKEINO

SCALE 1:2500

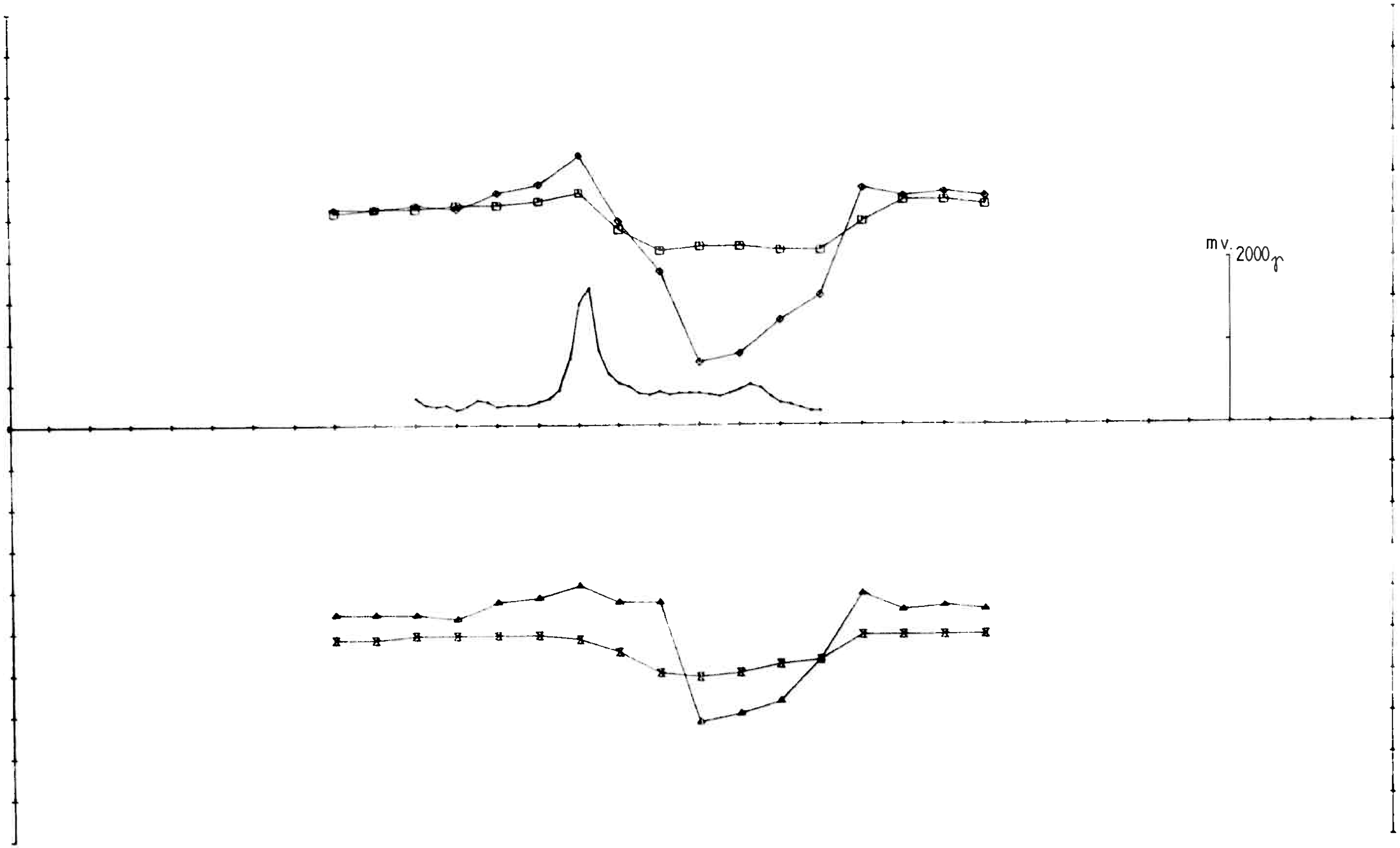
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

A/S SULFIDMALM

MAP SHEET

A.s Terrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR. 66 1777/222HZ 100M COIL SEP. PROFILE 200N.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-35.0	15.0	500.0	10.0
IH	⊡—⊡	-6.0	6.0	500.0	10.0
RL	▲—▲	-22.0	11.0	-500.0	10.0
IL	⧖—⧖	-11.0	0.0	-500.0	10.0

X - SKALERING 100.0
X - OFFSET 700.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

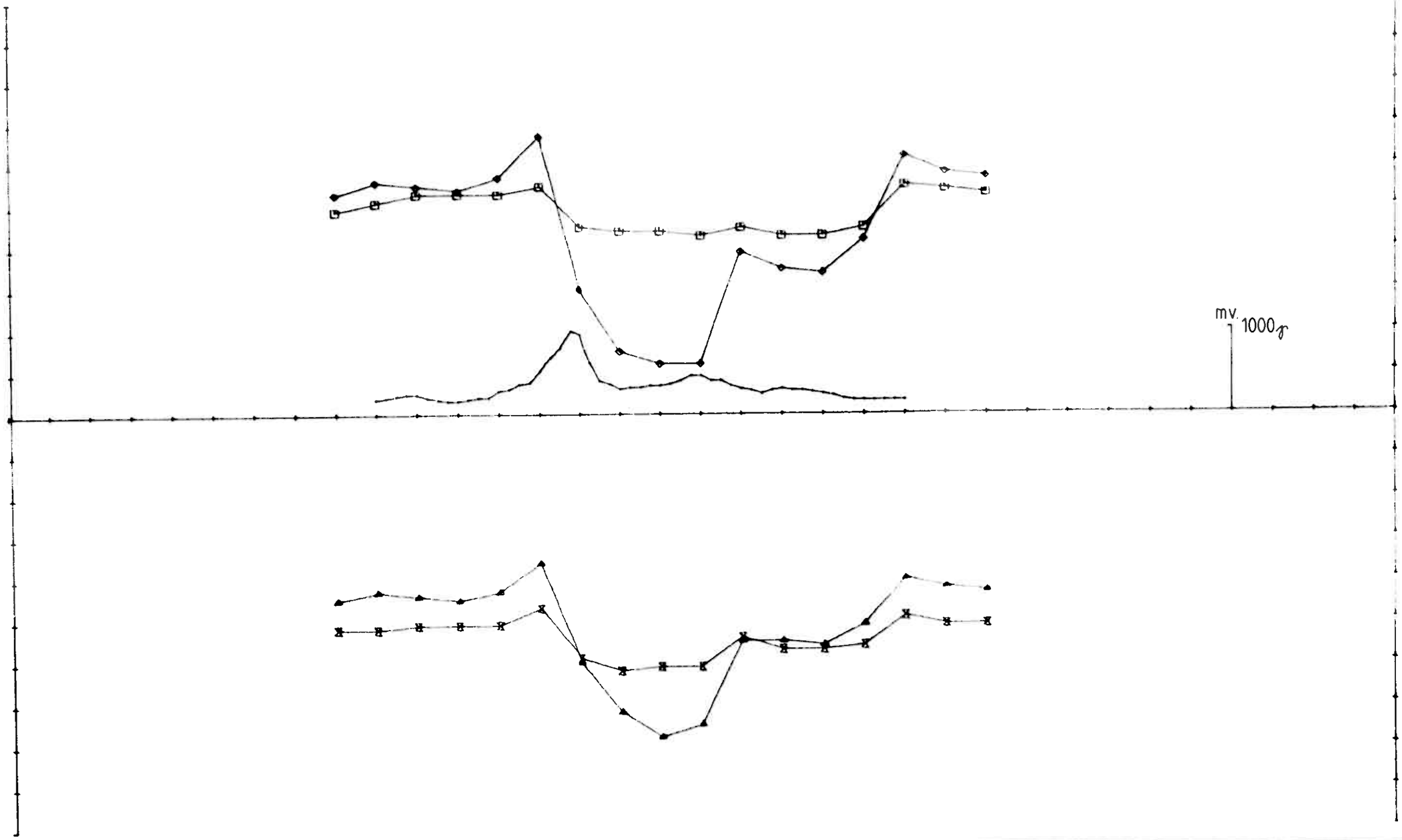
OMR. 66
EM - MAG
KAUTOKEINO

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

A/S SULFIDMALM

MAP NO.

MAP SHEET



ØMR.66 1777/222HZ 100M COIL SEP. PROFILE 100N.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	ØFFSET	SKALA
RH	◆——◆	-38.0	17.0	500.0	10.0
IH	⊡——⊡	-7.0	5.0	500.0	10.0
RL	▲——▲	-26.0	14.0	-500.0	10.0
IL	⧖——⧖	-12.0	3.0	-500.0	10.0

X - SKALERING 100.0
X - ØFFSET 700.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

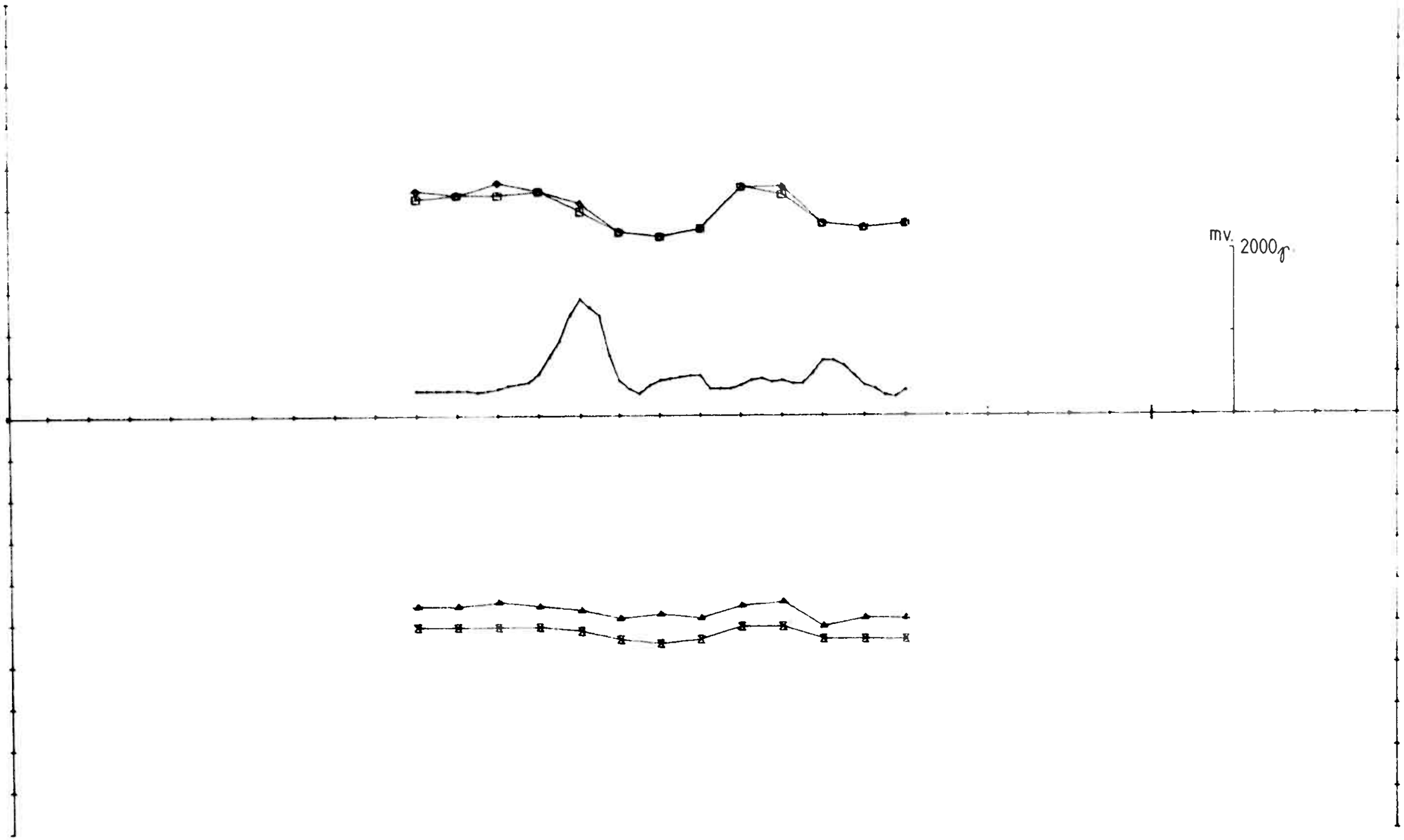
ØMR. 66
EM - MAG
KAUTOKEINO

A/S **SULFIDMALM**

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



OMR,66 1777/222HZ 100M COIL SEP, PROFILE DONS .

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-7.0	6.0	500.0	10.0
IH	⊟—⊟	-7.0	5.0	500.0	10.0
RL	▲—▲	-1.0	5.0	-500.0	10.0
IL	⧗—⧗	-5.0	0.0	-500.0	10.0

X - SKALERING 100.0
X - OFFSET 900.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 66

EM - MAG

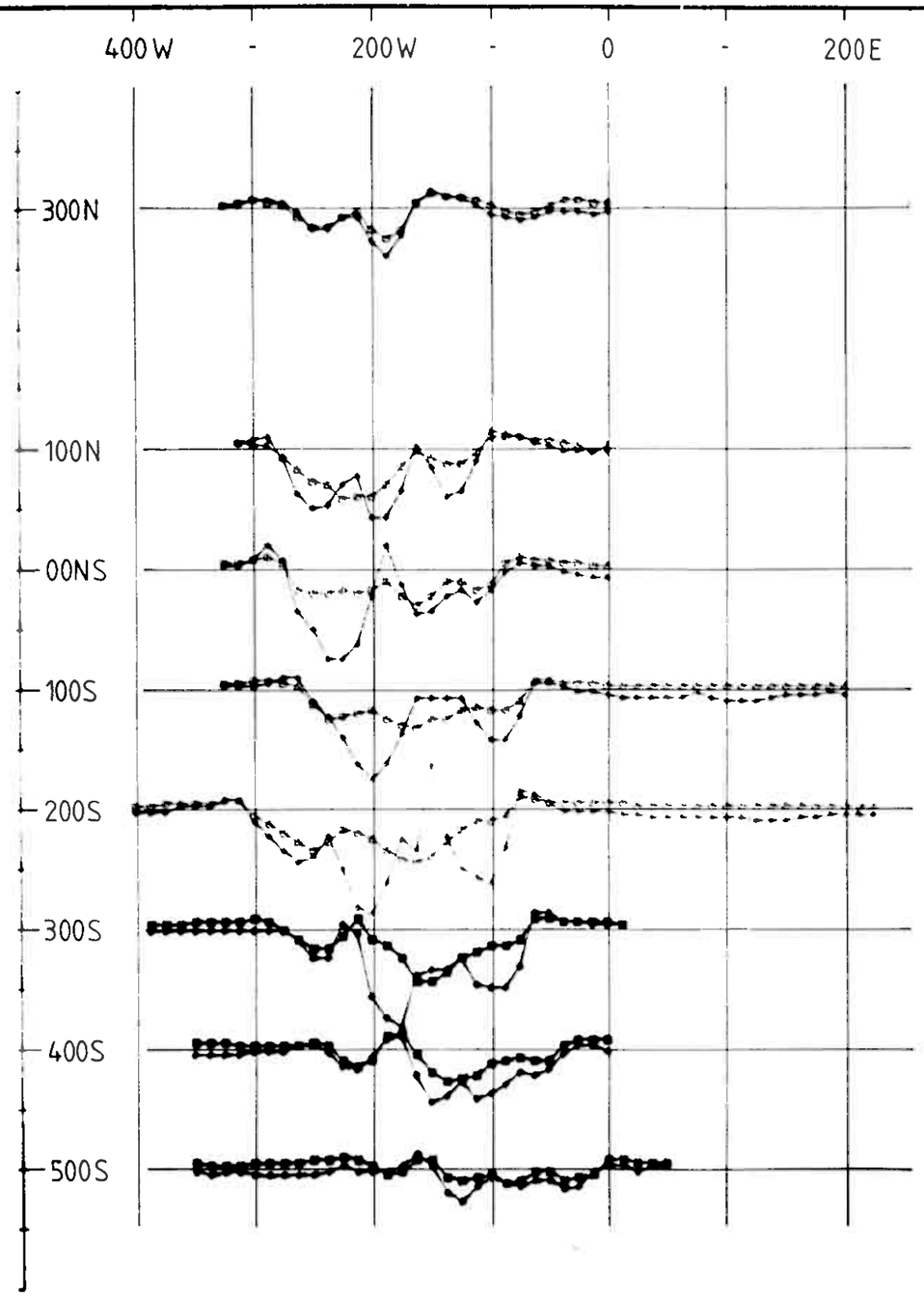
KAUTOKEINO

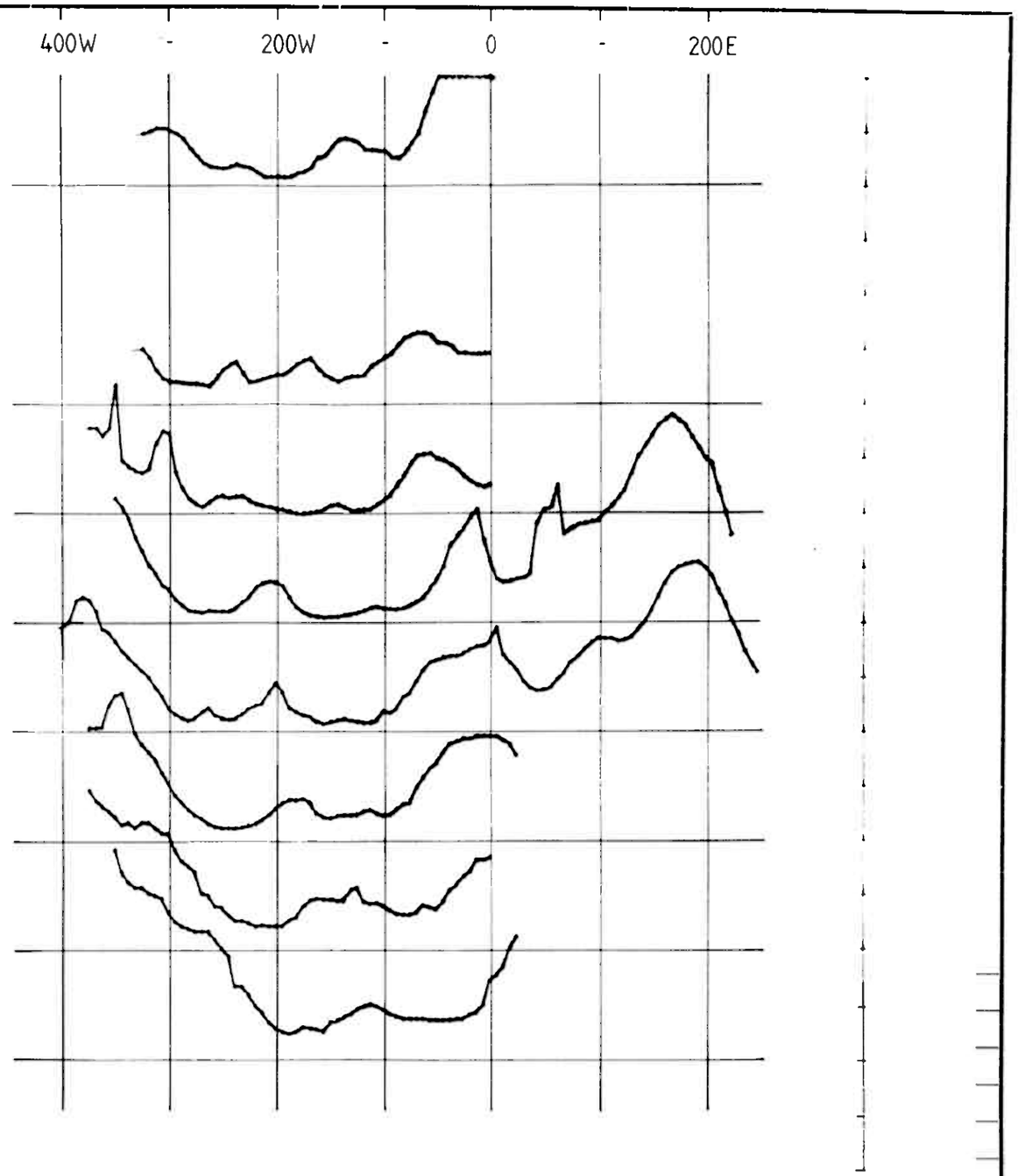
A/S SULFIDMALM

SCALE	OBS.	04-84
	DRAW.	05-84
1:2500	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET





OMR, 68 1777 HZ 50M COIL SEP.

ELEMENT MARKÖR

RH

IH

N

OMR. 68

EM - MAG

KAUTOKEINO

SCALE 1:5000

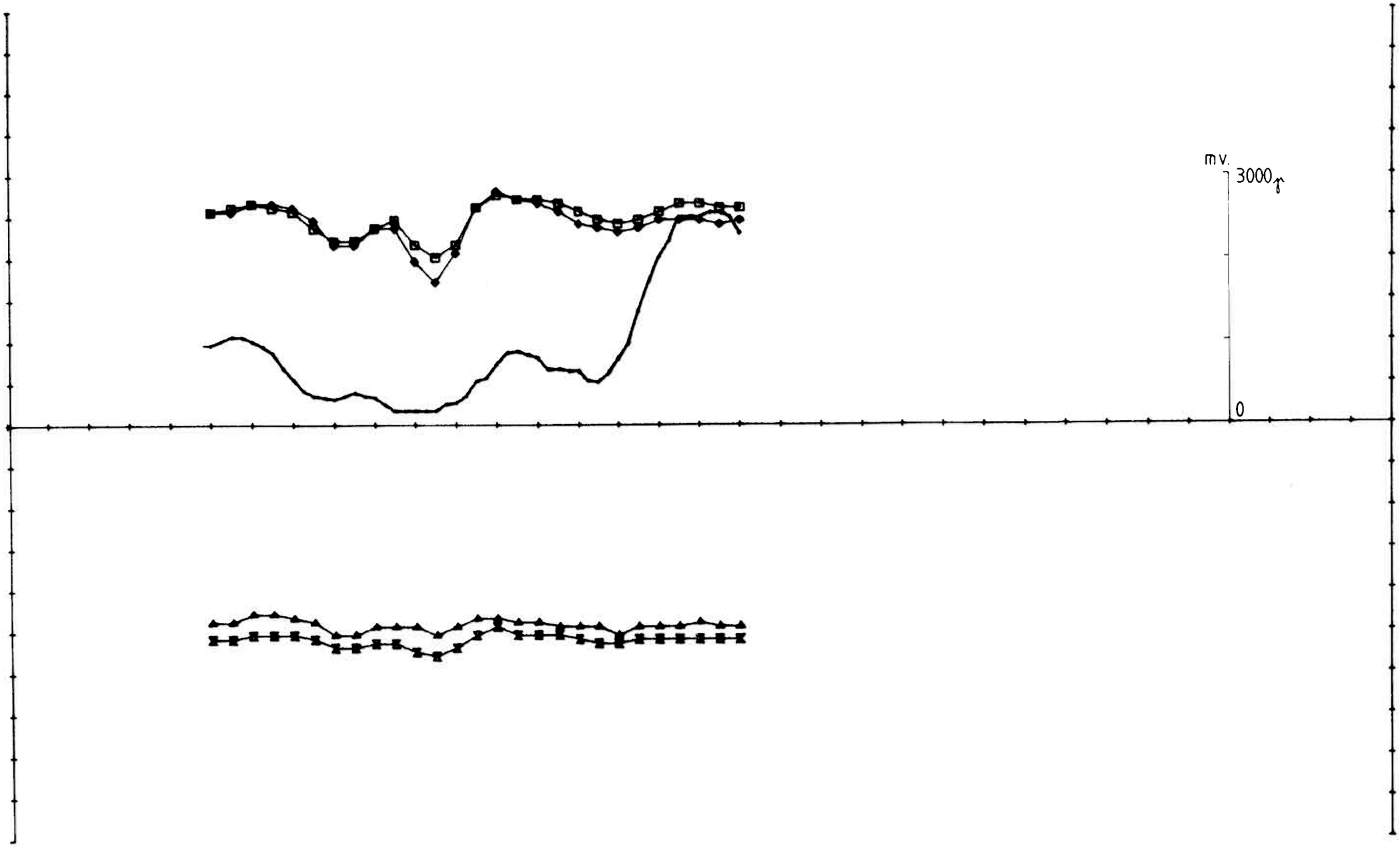
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

MAP SHEET

A/S SULFIDMALM

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR,68 1777/222HZ 50M COIL SEP,PROFILE 300N.

ELEMENT	MARKER	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-10.0	0.0	500.0	10.0
IH	■—■	-10.0	5.0	500.0	10.0
RL	▲—▲	-1.0	4.0	-500.0	10.0
IL	✕—✕	-0.0	1.0	-500.0	10.0

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

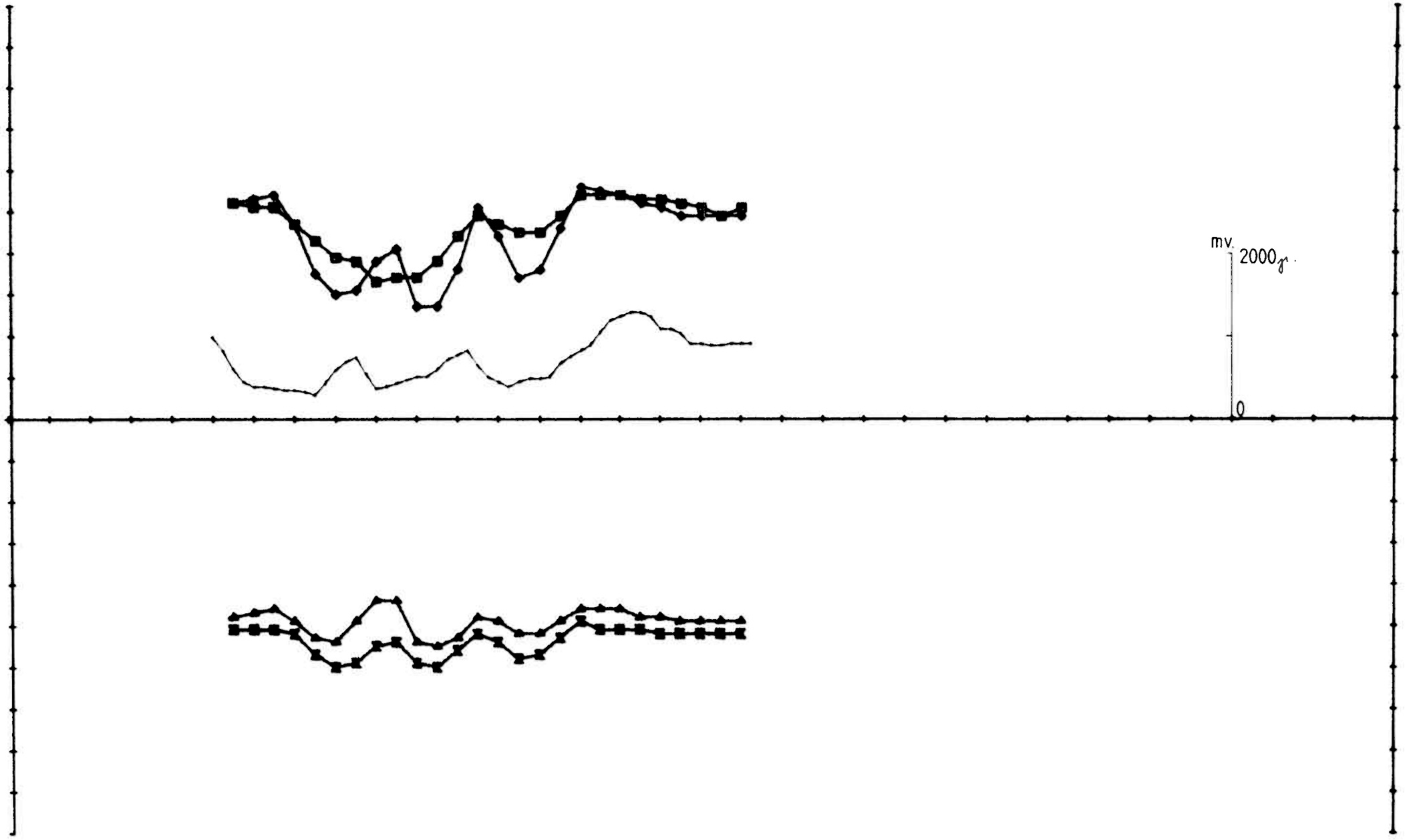
OMR. 68
EM - MAG
KAUTOKEINO

A/S SULFIDMALM

SCALE	OBS.	04-84
1:2500	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



OMR,68 1777/222HZ SDH COIL SEP,PROFILE 100M.

ELEMENT	MARKER	MIN.VERT	MAX.VERT	OFFSET	SCALE
RH	◆—◆	-20.0	0.0	200.0	10.0
IH	■—■	-17.0	4.0	200.0	10.0
RL	▲—▲	-5.0	0.0	-200.0	10.0
IL	✱—✱	-10.0	1.0	-200.0	10.0

X - SAMPLERING 50.0
X - OFFSET 200.0
X = 0 - 3400 METER
Y = +/- 1000 METER

OMR. 68

EM - MAG

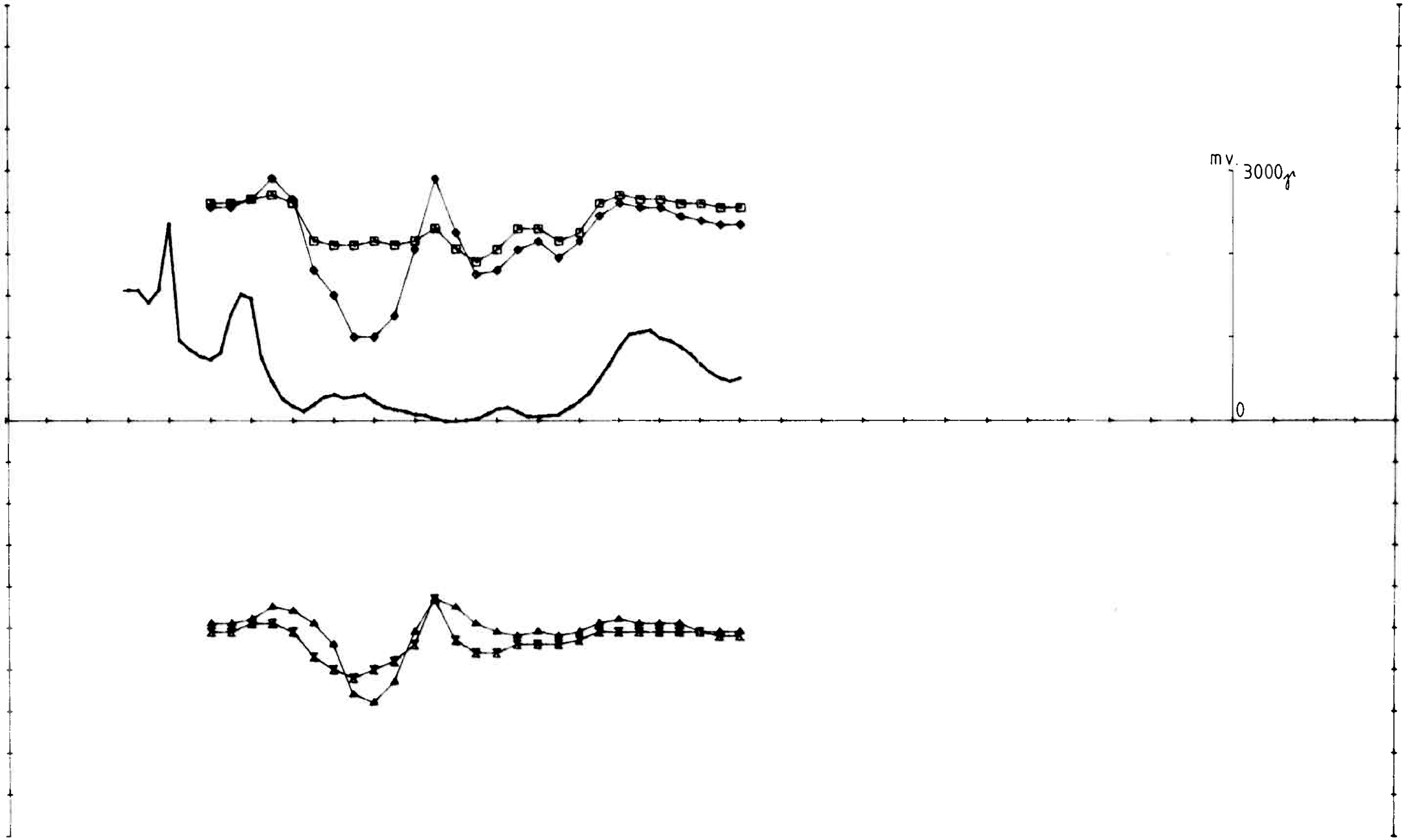
KAUTOKEINO

A/S SULFIDMALM

SCALE		
1:2500	OBS.	04 - 84
	DRAW.	05 - 84
	TRAC.	05 - 84
	CHK.	

MAP NO.

MAP SHEET



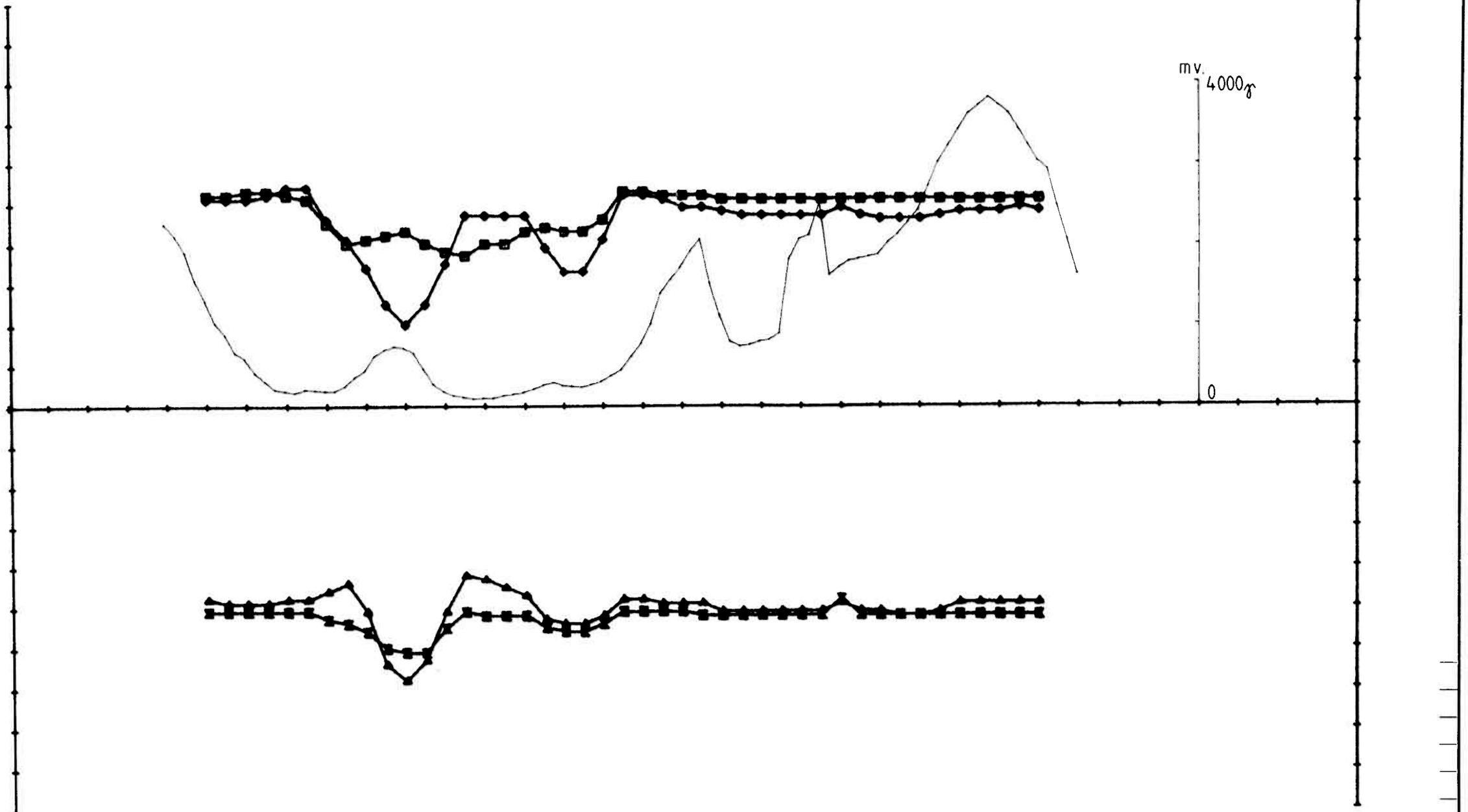
OMR. 68 1777/222HZ 50M COIL SEP, PROFILE DONS.

ELEMENT	MARKØR	MIN. VERDI	MAX. VERDI	OFFSET	SKALA
RH	◆—◆	-30.0	0.0	500.0	10.0
IH	■—■	-12.0	4.0	500.0	10.0
RL	▲—▲	-10.0	7.0	-500.0	10.0
IL	✕—✕	-12.0	7.0	-500.0	10.0

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

OMR. 68 EM - MAG KAUTOKEINO	SCALE 1:2500	OBS.	04-84
		DRAW.	05-84
		TRAC.	05-84
		CHK.	
A/S SULFIDMALM	MAP NO.		
	MAP SHEET		

A s Terrkopi 1000 A 3 ... Sentrum Trykkeri



OMR.68 [illegible] 100S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH		-30.0	4.0	500.0	10.0
IH		-13.0	3.0	500.0	10.0
RL		-10.0	8.0	-500.0	10.0
IL		-11.0	2.0	-500.0	10.0

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

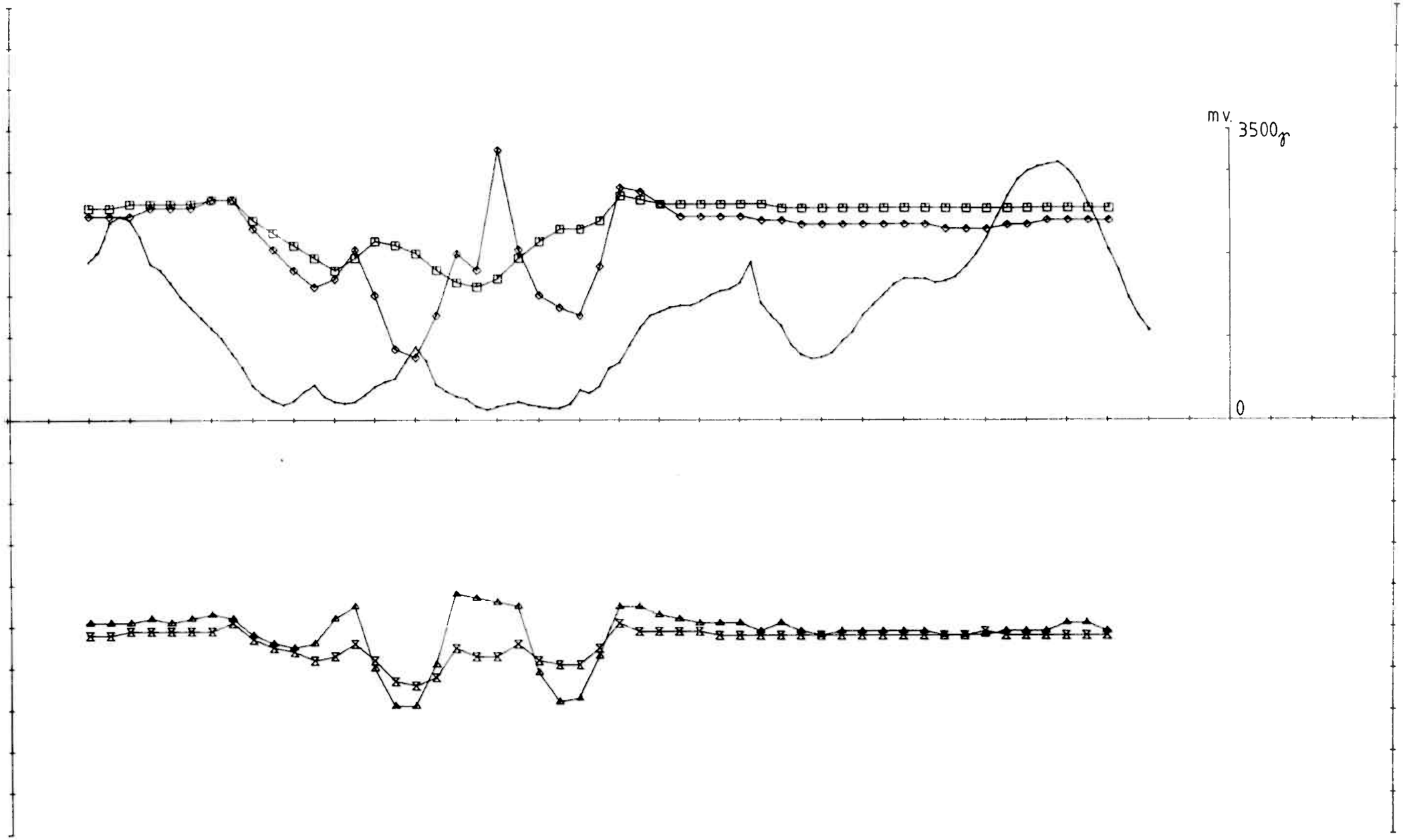
OMR. 68
EM - MAG
KAUTOKEINO

A/S SULFIDMALM

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



OMR,68 1777/222HZ 50M COIL SEP,PROFILE 200S .

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-35.0	15.0	500.0	10.0
IH	□—□	-16.0	4.0	500.0	10.0
RL	▲—▲	-19.0	8.0	-500.0	10.0
IL	⧖—⧖	-14.0	1.0	-500.0	10.0

X - SKALERING 50.0
X - OFFSET 150.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 68
EM - MAG
KAUTOKEINO

SCALE 1:2500

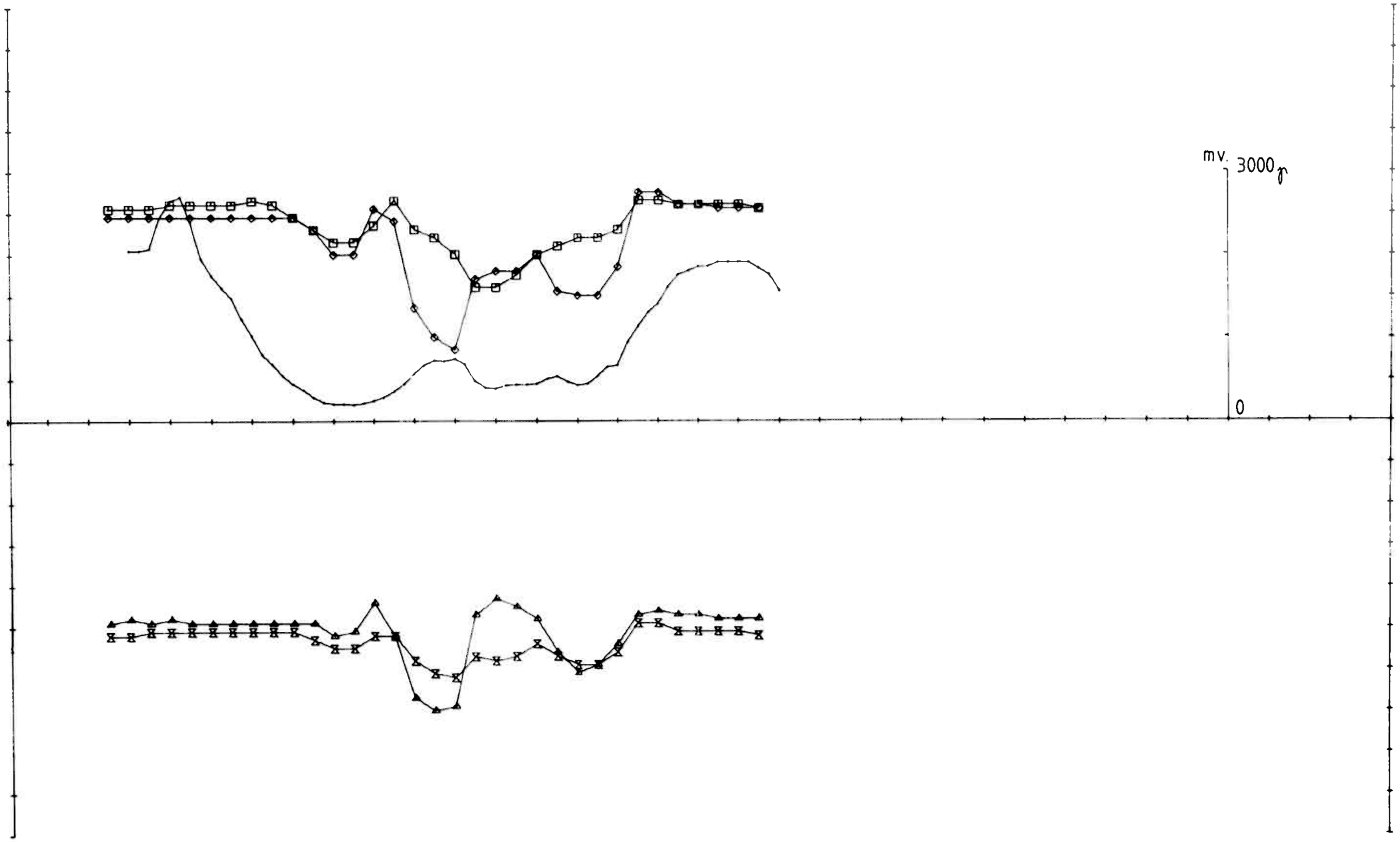
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

MAP SHEET

A/S SULFIDMALM

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



ØMR,68 1777/222HZ 50M COIL SEP,PROFILE 300S .

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-33.0	5.0	500.0	10.0
IH	⊡—⊡	-18.0	3.0	500.0	10.0
RL	▲—▲	-20.0	7.0	-500.0	10.0
IL	⧖—⧖	-12.0	1.0	-500.0	10.0

X - SKALERING 50.0
X - ØFFSET 200.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

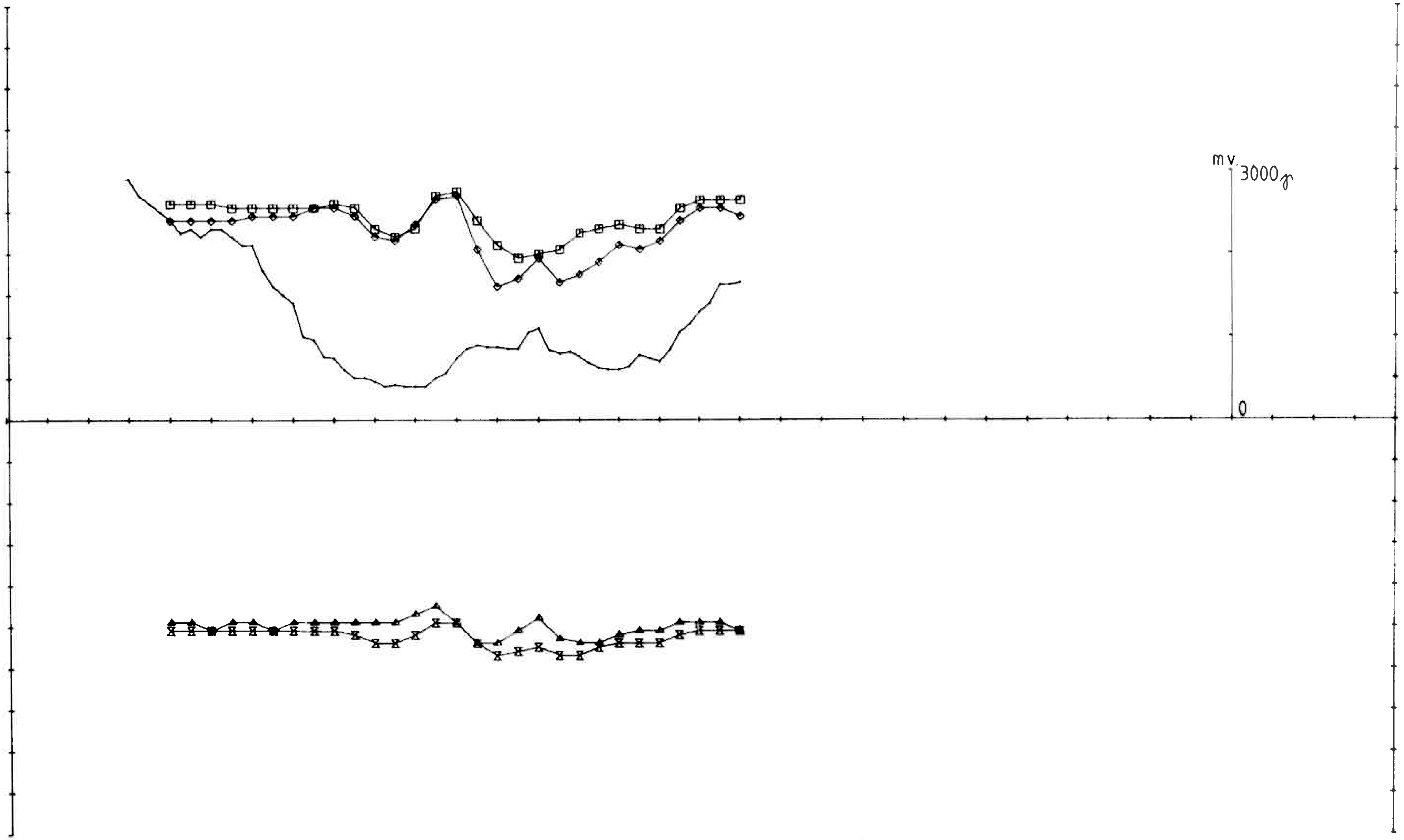
OMR. 68
EM - MAG
KAUTOKEINO

A/S SULFIDMALM

SCALE	OBS.	04-84
1:2500	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET

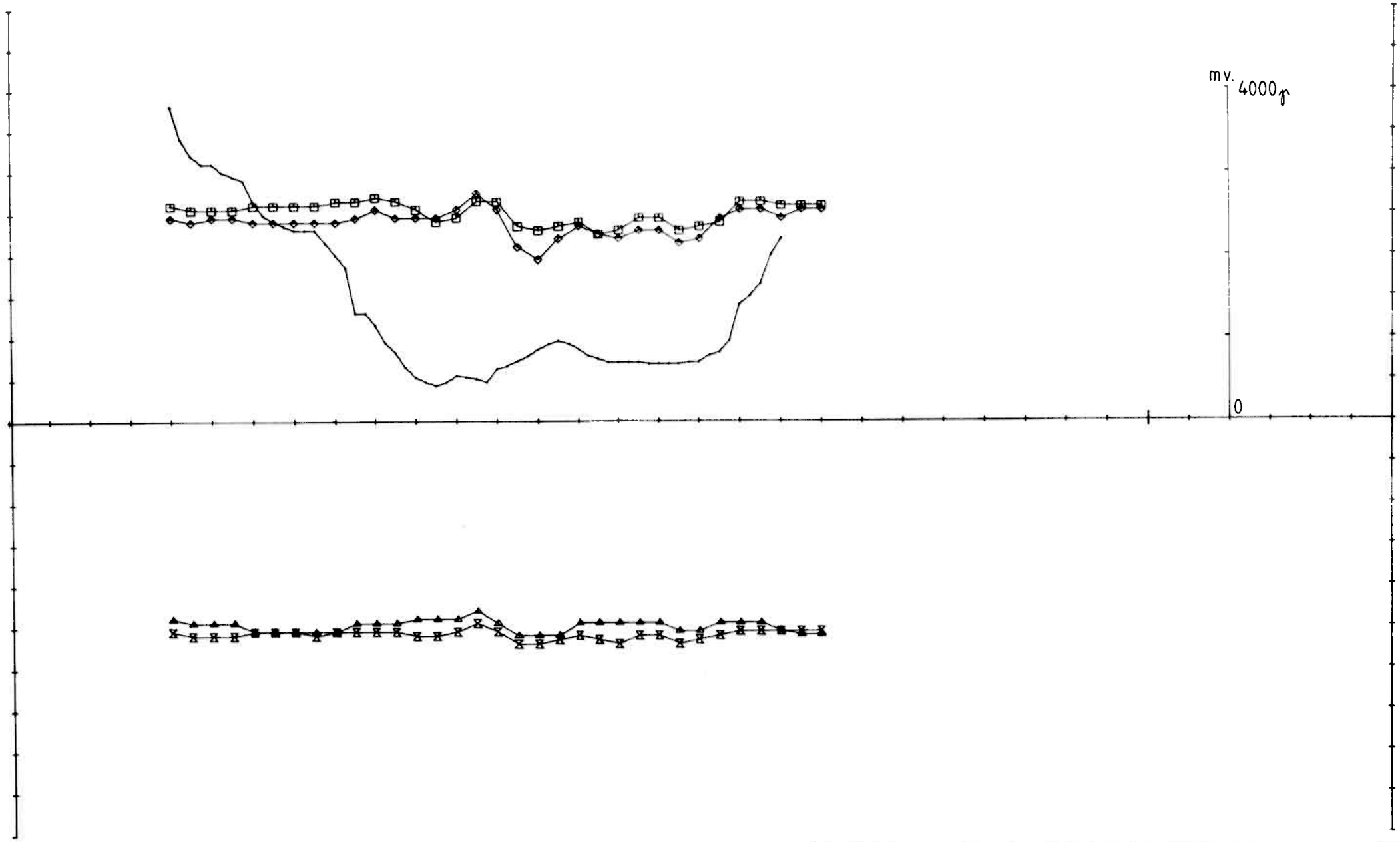


ØMR.68 1777/222HZ 50M CØIL SEP,PRØFILE 400S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	ØFFSET	SKALA
RH	◇——◇	-18.0	4.0	500.0	10.0
IH	⊡——⊡	-11.0	5.0	500.0	10.0
RL	▲——△	-4.0	5.0	-500.0	10.0
IL	⧗——⧗	-7.0	1.0	-500.0	10.0

X - SKALERING 50.0
X - ØFFSET 350.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 68 EM - MAG KAUTOKEINO	SCALE 1:2500	OBS.	04-84
		DRAW.	05-84
		TRAC.	05-84
		CHK.	
A/S SULFIDMALM	MAP NO.		
	MAP SHEET		



ØMR, 68 1777/222HZ 50M COIL SEP, PROFILE 500S.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	ØFFSET	SKALA
RH	◆—◆	-11.0	5.0	500.0	10.0
IH	□—□	-5.0	4.0	500.0	10.0
RL	▲—▲	-2.0	4.0	-500.0	10.0
IL	⧖—⧖	-4.0	1.0	-500.0	10.0

X - SKALERING 50.0
X - ØFFSET 350.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 68
EM - MAG
KAUTOKEINO

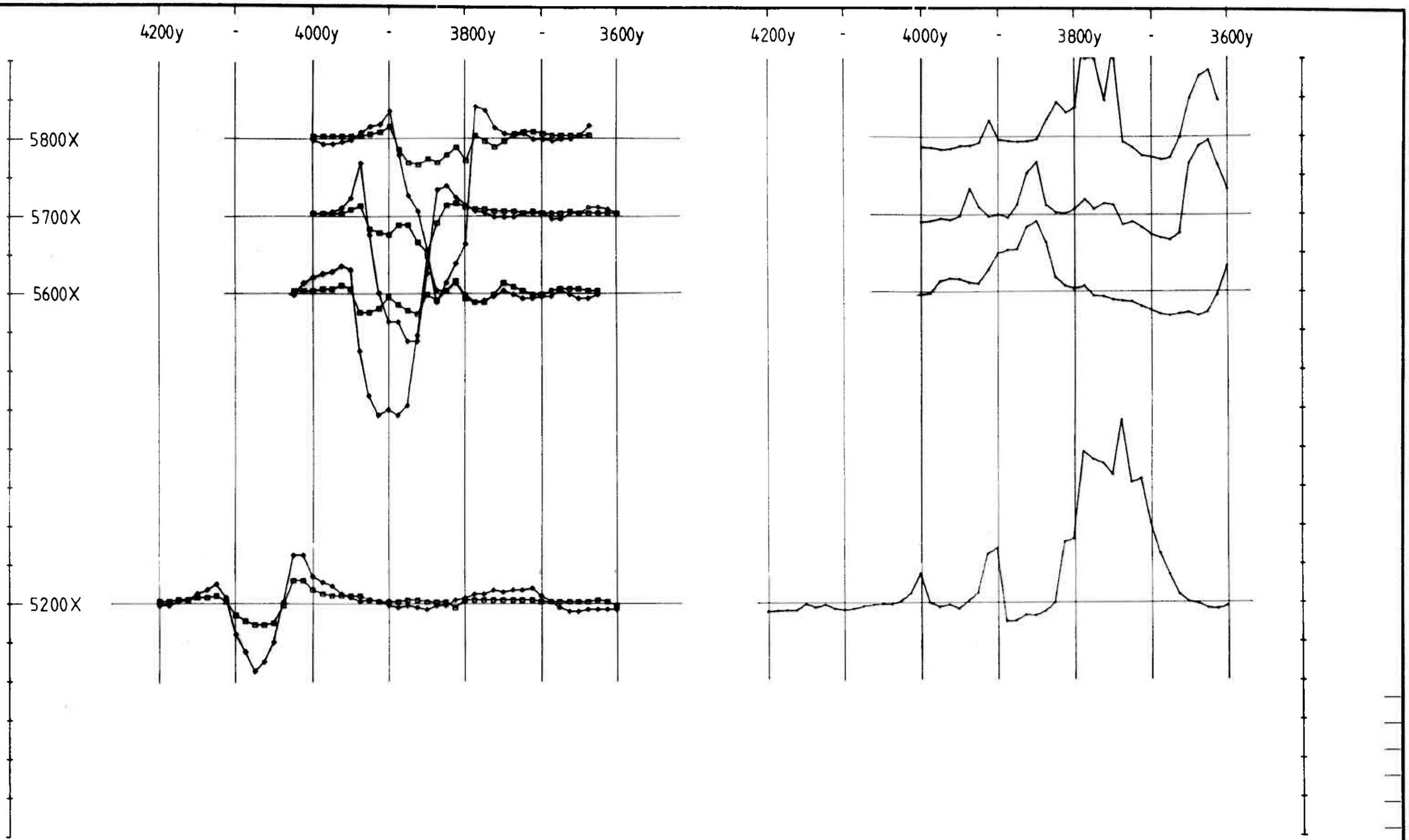
SCALE 1:2500

OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

A/S SULFIDMALM

MAP SHEET



ØMR,69 1777 HZ 50M COIL SEP,

ELEMENT MARKØR

RH

IH

N

OMR. 69

EM - MAG

KAUTOKEINO

SCALE 1:5000

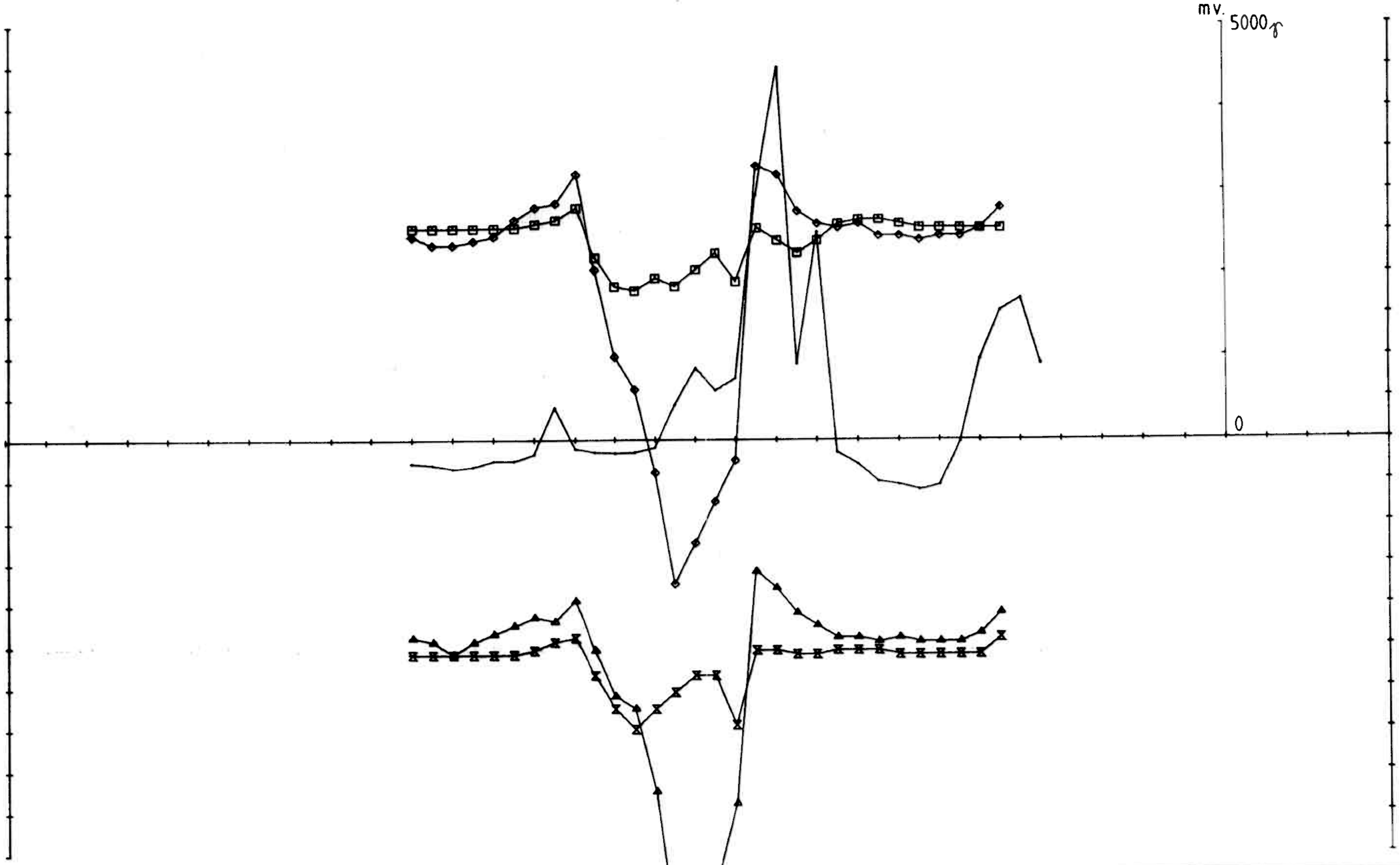
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

MAP SHEET

A/S SULFIDMALM

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR,69 1777/222HZ 50M COIL SEP,PROFILE 580X.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-85.0	16.0	500.0	10.0
IH	□—□	-14.0	6.0	500.0	10.0
RL	▲—▲	-70.0	16.0	-500.0	10.0
IL	⧗—⧗	-20.0	2.0	-500.0	10.0

X - SKALERING 50.0
X - OFFSET 950.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 69
EM - MAG
KAUTOKEINO

1:2500

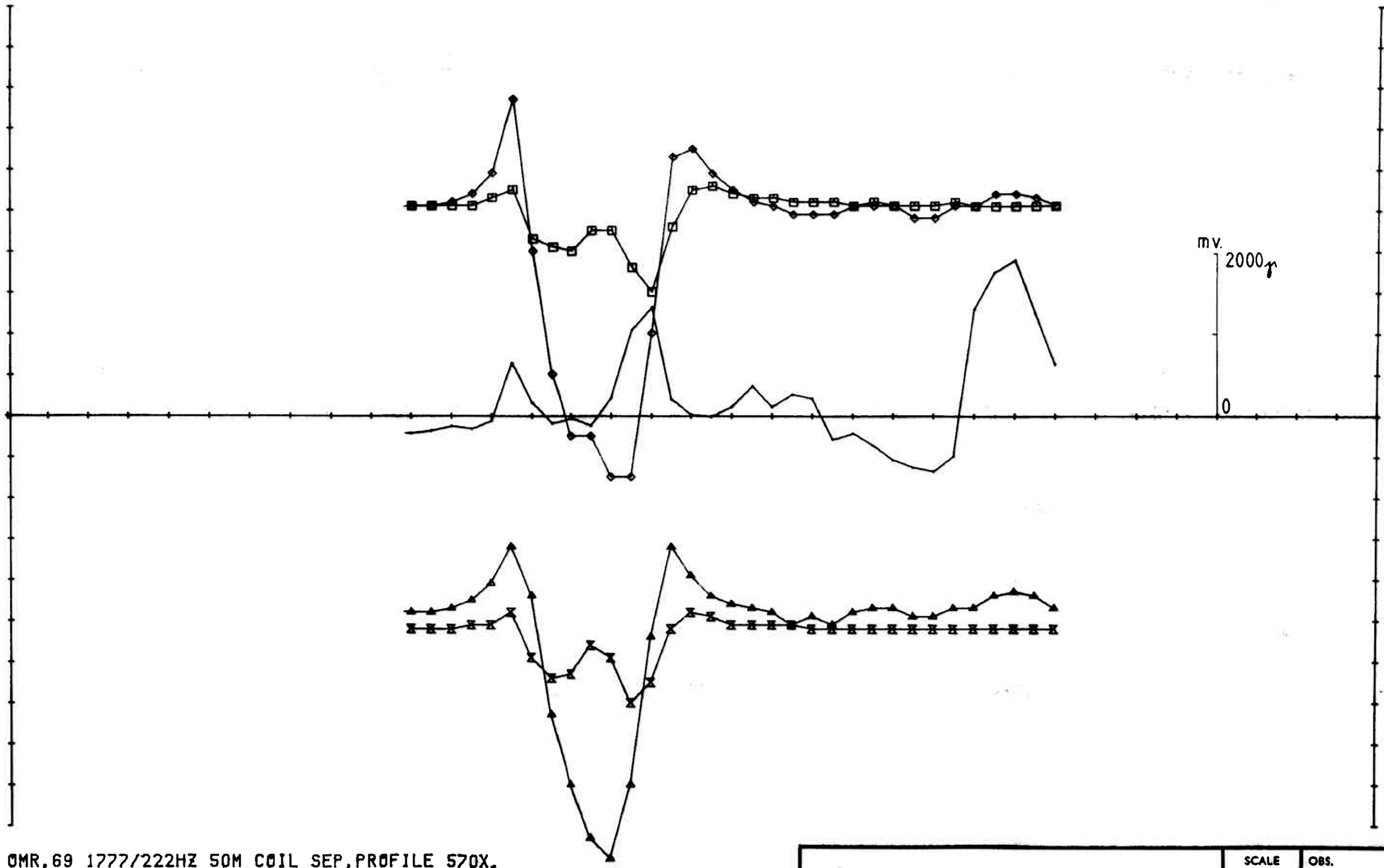
OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

A/S SULFIDMALM

MAP SHEET

A.s Tørrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR.69 1777/222HZ 50M COIL SEP,PROFILE 570X.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆——◆	-65.0	27.0	500.0	10.0
IH	⊡——⊡	-20.0	6.0	500.0	10.0
RL	▲——▲	-56.0	16.0	-500.0	10.0
IL	⧗——⧗	-20.0	2.0	-500.0	10.0

X - SKALERING 50.0
X - OFFSET 950.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

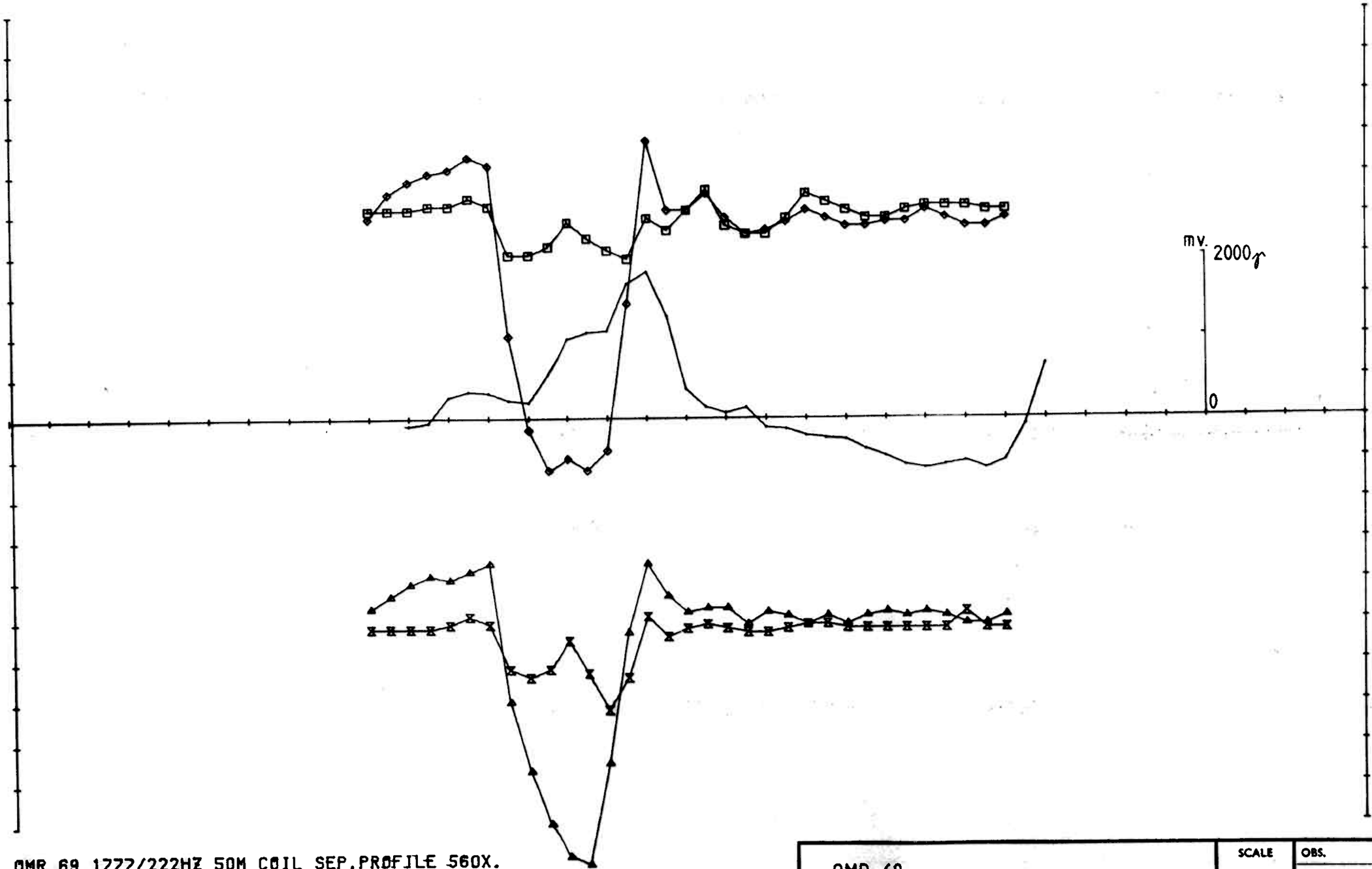
OMR. 69
EM - MAG
KAUTOKEINO

⅘ SULFIDMALM

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET



OMR,69 1777/222HZ 50M COIL SEP,PROFILE 560X.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-63.0	18.0	500.0	10.0
IH	⊞—⊡	-11.0	6.0	500.0	10.0
RL	▲—▲	-60.0	14.0	-500.0	10.0
IL	⧗—⧗	-22.0	2.0	-500.0	10.0

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

OMR. 69
EM - MAG
KAUTOKEINO

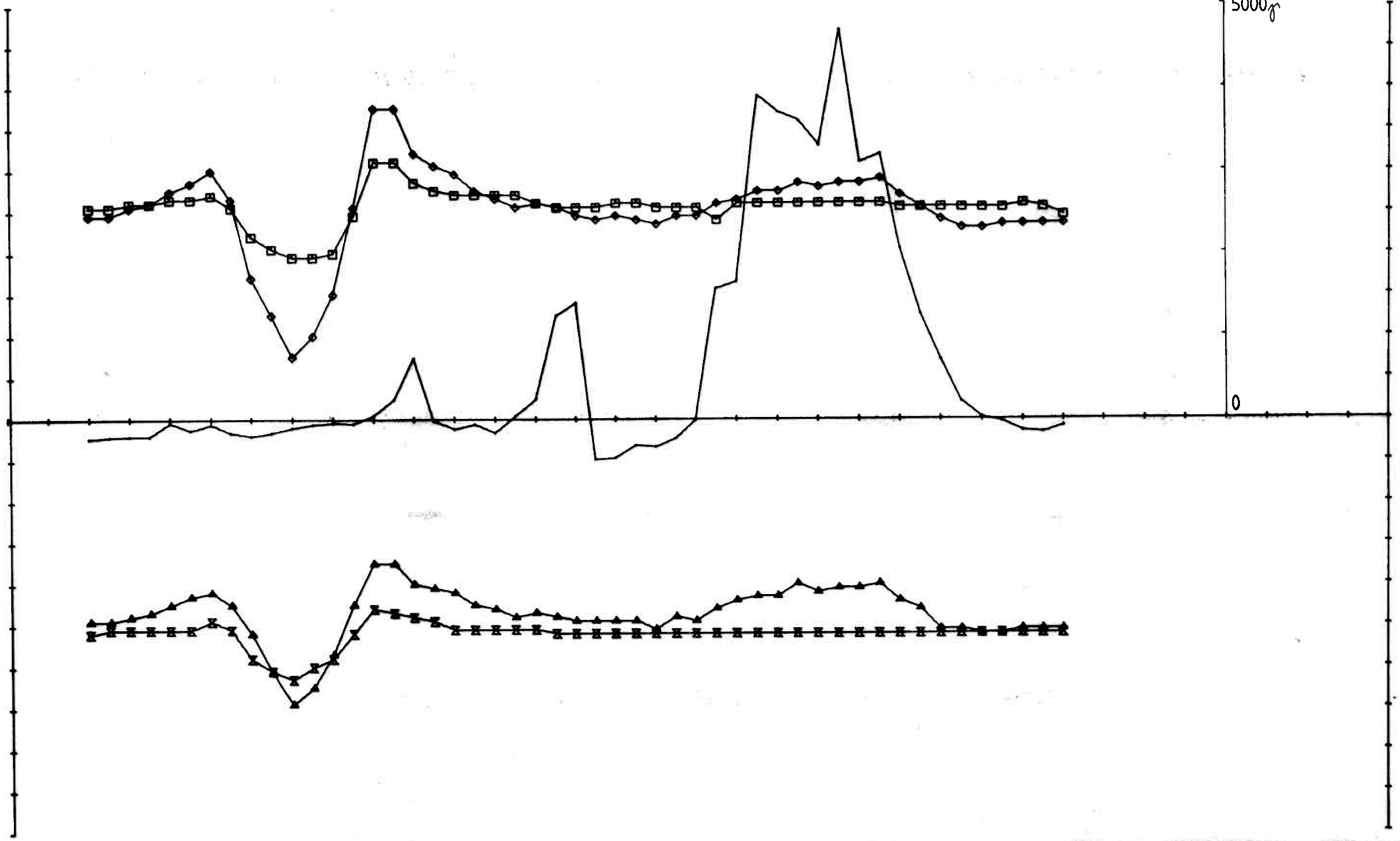
A/S SULFIDMALM

SCALE		
1:2500	OBS.	04-84
	DRAW.	05-84
	TRAC.	05-84
	CHK.	

MAP NO.

MAP SHEET

A.s Terrkopi. 1000. A 3. E 9 gl. 11-77. Sentrum Trykkeri.



OMR,69 1777/222HZ 50M COIL SEP,PROFILE 520X.

ELEMENT	MARKØR	MIN.VERDI	MAX.VERDI	OFFSET	SKALA
RH	◆—◆	-38.0	25.0	500.0	10.0
IH	□—□	-11.0	12.0	500.0	10.0
RL	▲—▲	-18.0	15.0	-500.0	10.0
IL	⧗—⧗	-13.0	4.0	-500.0	10.0

X - SKALERING 50.0
X - OFFSET 150.0
X = 0 - 3400 DELER
Y = +/- 1000 DELER

OMR. 69
EM - MAG
KAUTOKEINO

SCALE 1:2500

OBS.	04-84
DRAW.	05-84
TRAC.	05-84
CHK.	

MAP NO.

MAP SHEET

⅘ SULFIDMALM