

000

77-1221

MICROFILM

304001

OPEN FILE

PROGRESS REPORT

EXPLORATION LICENCE 32/73 ST. DIZIER

Tasmania *47/77*

For six months ending 17/6/77

S.S. Webster

*INCORPORATED
IN EL 47/77 IN
NOV. 1977*

7th July, 1977.

ST.DIZIERSUMMARY

During the reporting period, work was limited to conducting a ground magnetic survey from St.Dizier to the "Big H" prospect.

MAGNETIC SURVEY

Twenty three traverse lines each 100 metres apart were traversed to record relative vertical magnetic intensity, using a McPhar M-700 fluxgate magnetometer. Traverse lines were levelled by means of a base line (20400N) drift tie. This procedure allows for a check on instrument drift and magnetic field diurnal without having to return to a central base station at regular intervals (plate #37/Baseline).

The data are presented as profiles of relative vertical magnetic intensity on accompanying plates #37/209 to #37/232, at a scale of 1:5000.

The data have also been plotted in plan as a magnetic "form-line" map, as contouring was not considered practical due to the severe changes in sign and amplitude.

PRELIMINARY INTERPRETATION

The data have not been fully interpreted as the survey grid has not yet been tied to the St.Dizier survey system due to a change from imperial to metric measurement.

The results show a continuous trend from "Big H" to St.Dizier, as was assumed from analysis of an earlier airborne magnetic survey (1975).

The strong magnetic anomalies, coupled with sharp sign reversals, in the vicinity of 22500E to 22800E reflect the "Big H" anomaly. This anomaly must relate to shallow magnetite as evidenced at St.Dizier, in the form of outcropping skarn.

The skarn appears to continue at shallow depth to 21800E, where a possible

fault displaces the trend 200 metres to the north. A circular anomaly at 21500 G, 20400N has been tested by one drill hole, but preliminary analysis suggests that this hole may not have adequately tested the source of the anomaly.

In this vicinity, line 21400E, the source is interpreted at a depth of 130 metres dipping steeply north, and with a susceptibility of 0.0147 egsunits assuming a width of 60 metres. If this width is overestimated, then the susceptibility must be proportionally higher. This estimate would be consistent with a high magnetite content, when compared with core samples measured from the area.

The trend continues, at reduced amplitude to the west where it joins the anomalies at St.Dizier.

Further analysis of this data will be undertaken, to enable assessment of potential for examination by drilling.

EXPENDITURE

In the year ending June 6,1977 the following expenditure was incurred:

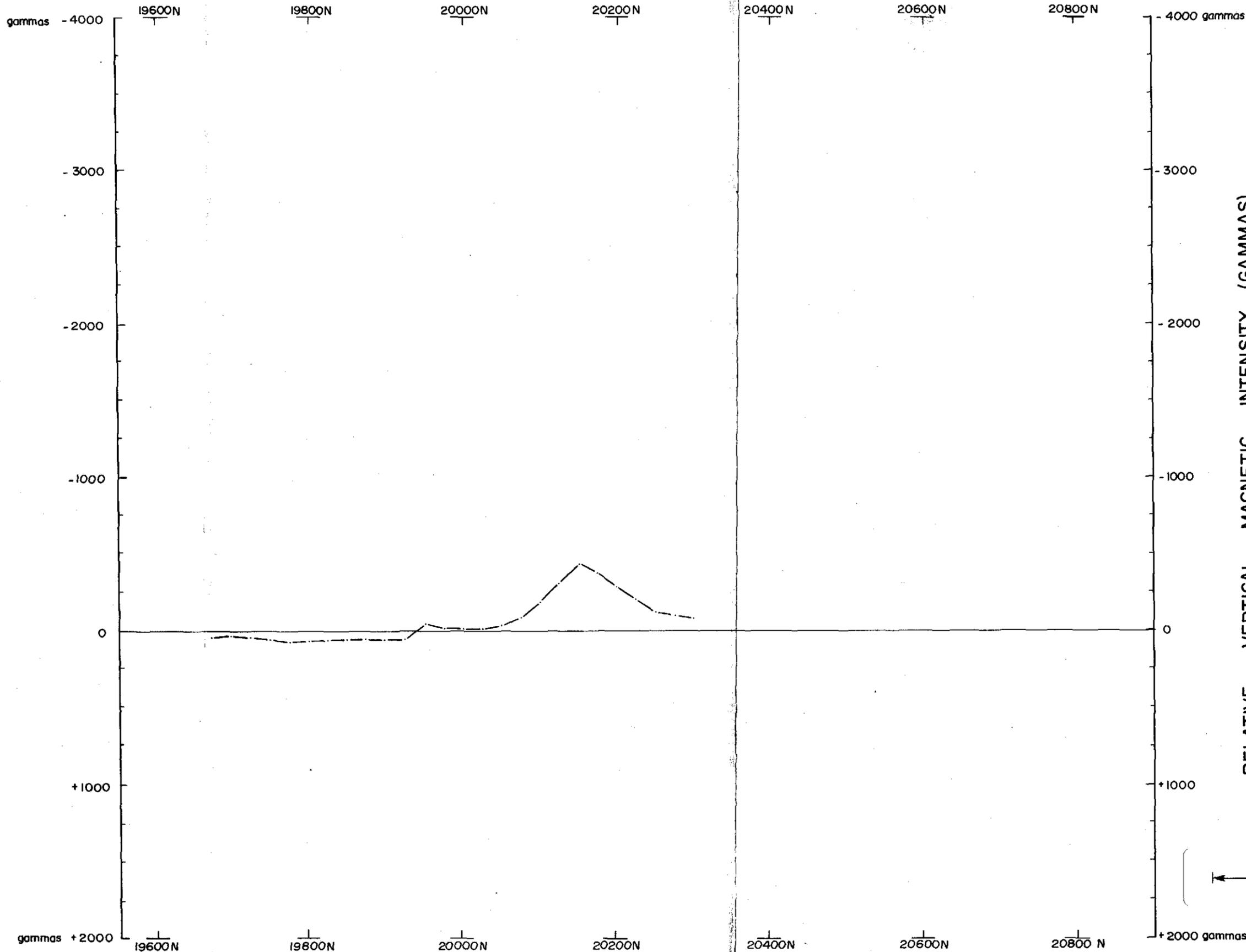
Geology	\$ 274
Geophysics	826
Tenure	327
Miscellaneous	14
	<hr/>
	\$1441
	<hr/>

ATTACHMENTS

St.Dizier Magnetic Profiles #37/209 - #37/232
#37/baseline.

Signed: 

S.S. Webster
Geophysicist



304004

ABMINCO N.L.

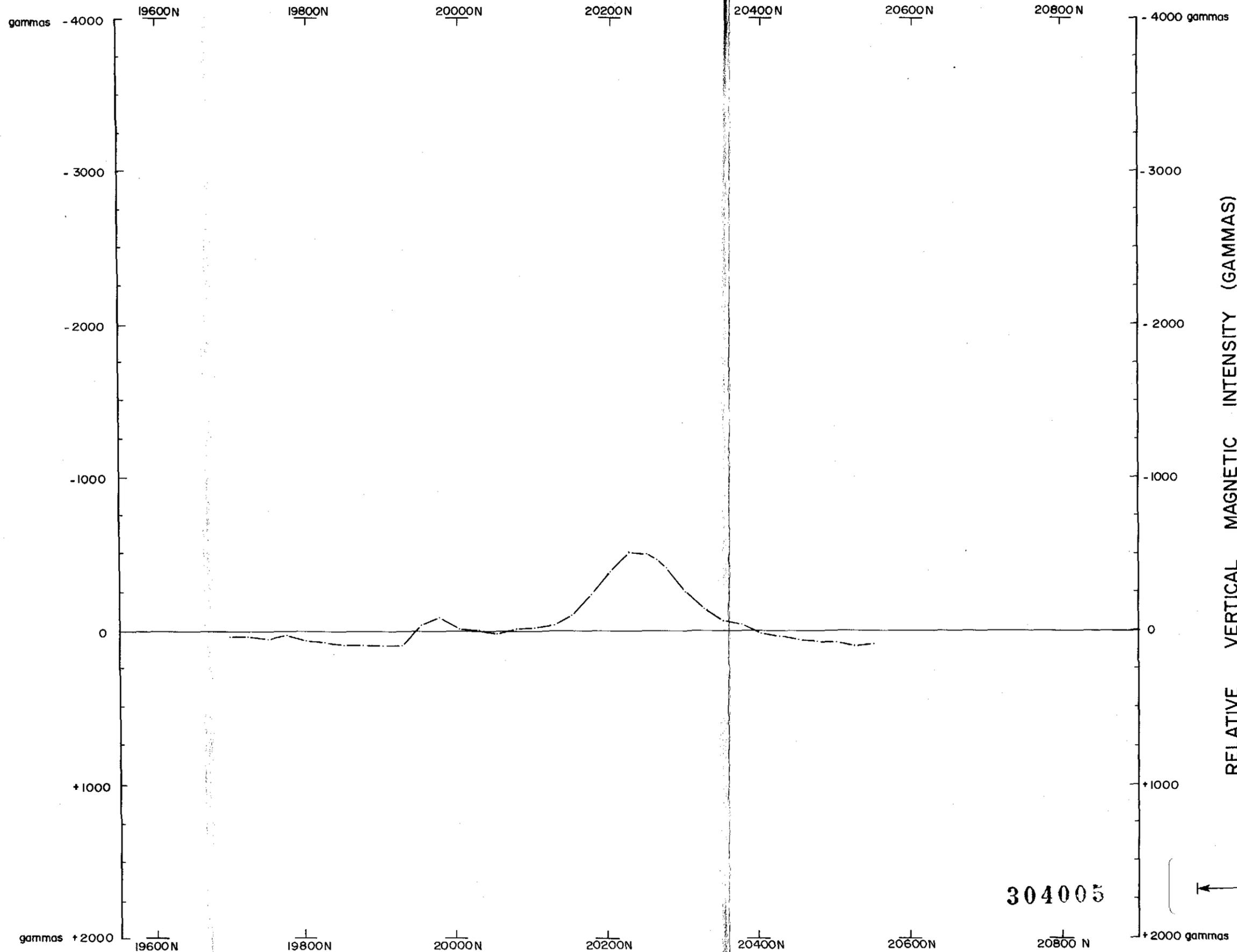
77-1221

Drawn: RMSW
 Traced: AER
 Checked:
 Revised: _____ Date: _____

NORTH WEST TASMANIA
BIG H - ST. DIZIER
 Relative Vertical Magnetic Intensity
PROFILES LINE 20900E

Location code:
 Scale: 1, 2, 500
 Date: April 1977
 Plate N°: STD 37/209

003

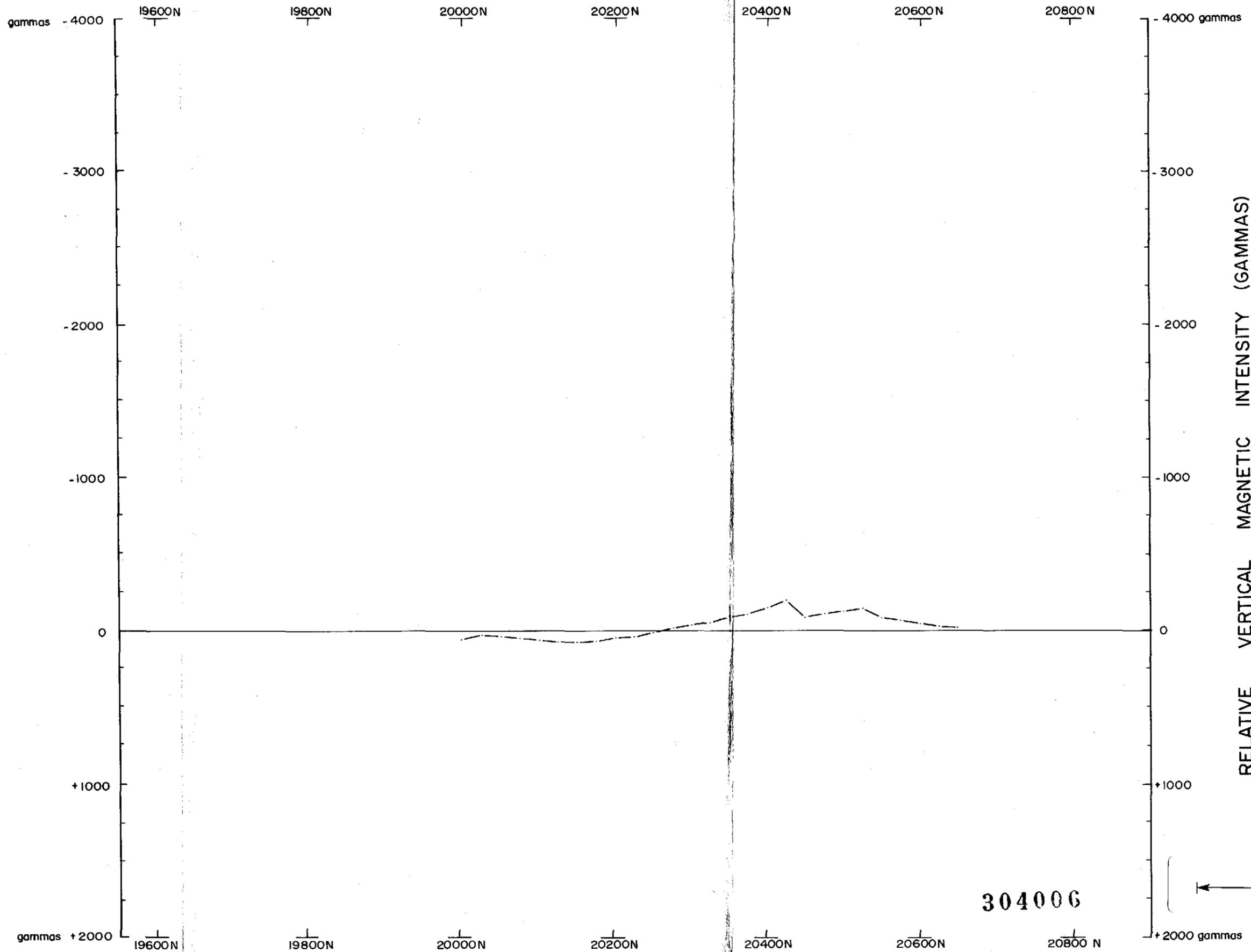


304005

004

ABMINCO N.L.		77-1221
Drawn: RMSW	NORTH WEST TASMANIA	
Traced: AER	BIG H - ST. DIZIER	
Checked:	Relative Vertical Magnetic Intensity	
Revised: _____ Date: _____	PROFILES LINE 21000E	
		Location code:
		Scale: 2,500
		Date: April 1977
		Plate N°: ST D 37/210

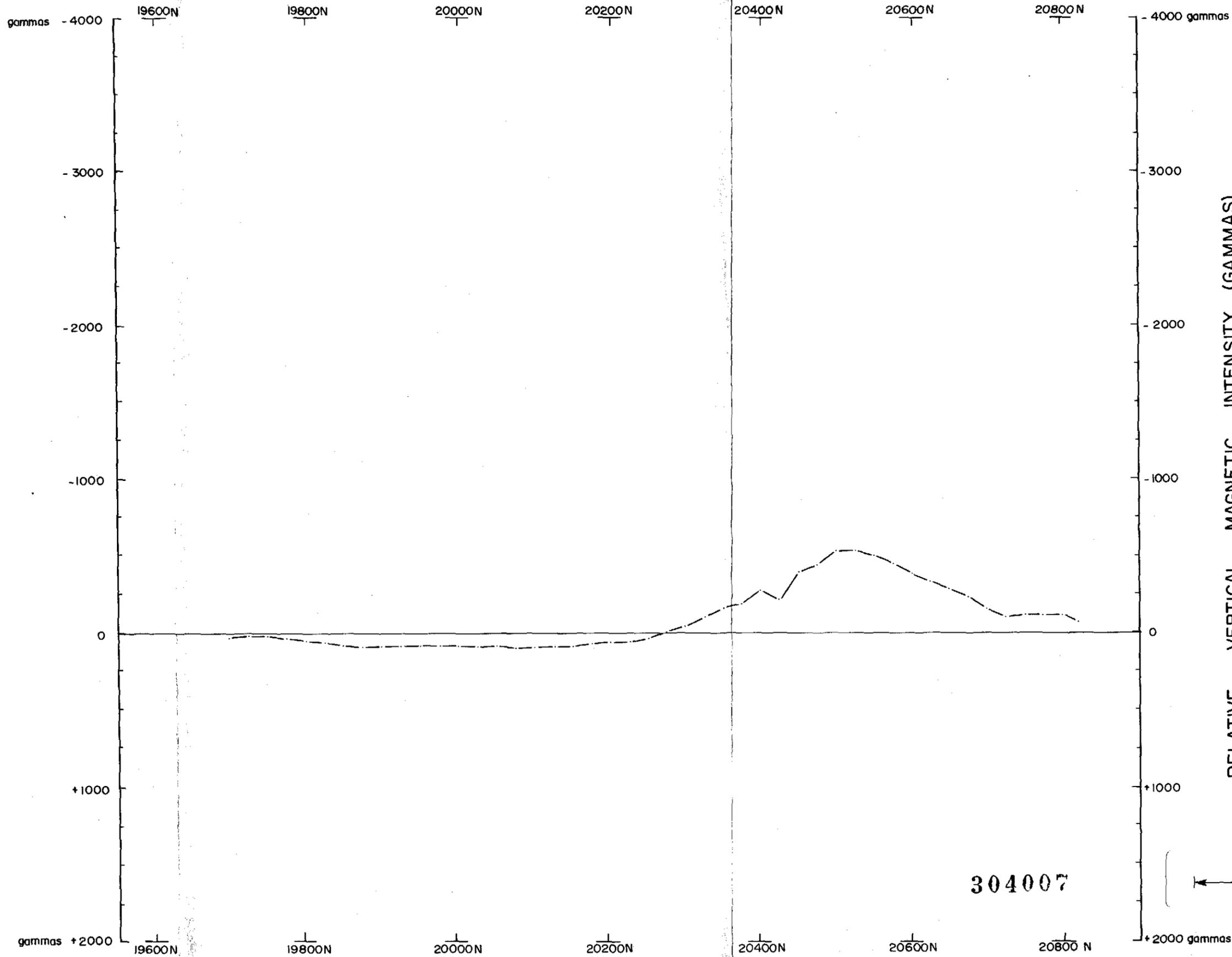
005



304006

5 cm

ABMINCO N.L.		77-1221
Drawn: RMSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 21200E	Location code:
Traced: AER		Scale: 1:2,500
Checked:		Date: April 1977
Revised: _____ Date: _____		Plate N°: STD 37/212



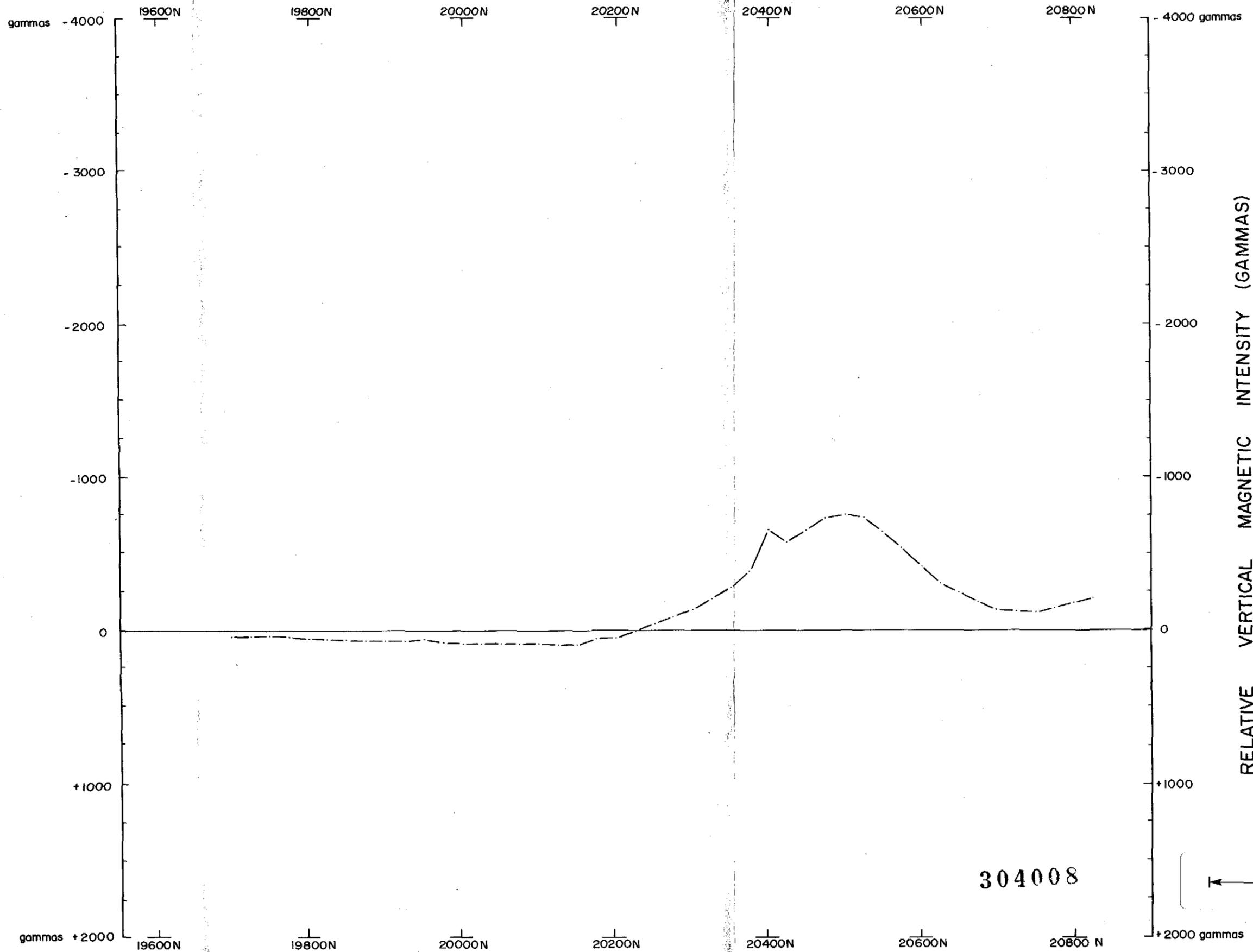
304007

5 cm

006

ABMINCO N.L.		77-1221
Drawn: RMSW	NORTH WEST TASMANIA	Location code:
Faced: AER	BIG H - ST. DIZIER	Scale: 1:2,500
Checked:	Relative Vertical Magnetic Intensity	Date: April 1977
Revised: _____ Date: _____	PROFILES LINE 21300E	Plate No: STD 37/213

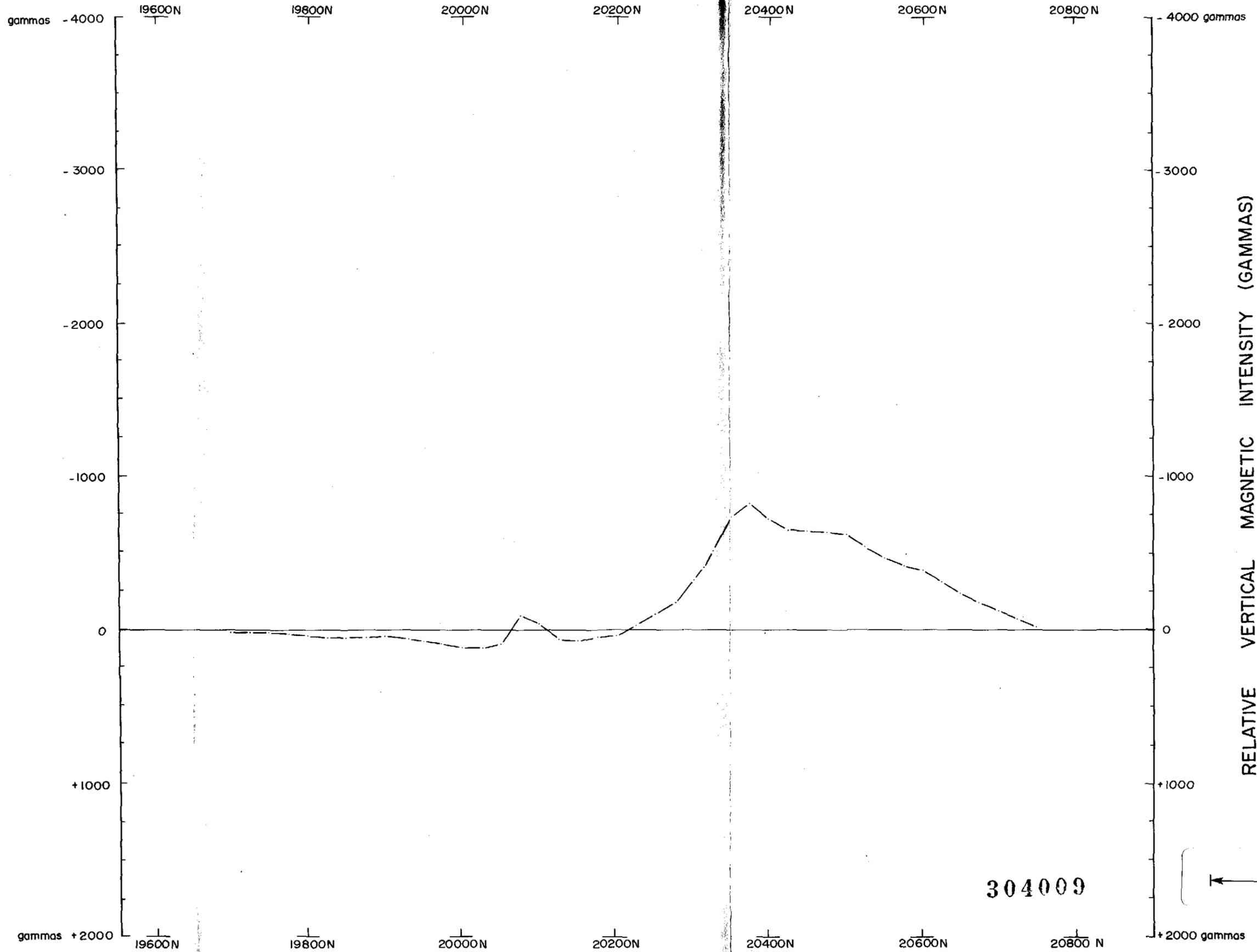
007



304008

5 cm

ABMINCO N.L.		77-1221
Drawn: RMS W	NORTH WEST TASMANIA	Location code:
Traced: AER	BIG H - ST. DIZIER	Scale: 1:2,500
Checked:	Relative Vertical Magnetic Intensity	Date: April 1977
	PROFILE LINE 2100E	



304009

ABMINCO N.L.

77-1221

Drawn: RMSW

NORTH WEST TASMANIA

Location code:

Traced: AER

BIG H - ST. DIZIER

Scale: 1:2,500

Checked:

Relative Vertical Magnetic Intensity

Date: April 1977

PROFILES LINE 21500F

Plate No: STD 37/215

008

gammas -4000

19600N

19800N

20000N

20200N

20400N

20600N

20800N

4000 gammas

-3000

-3000

-2000

-2000

-1000

-1000

0

0

+1000

+1000

RELATIVE VERTICAL MAGNETIC INTENSITY (GAMMAS)

304010

5 cm

gammas +2000

19600N

19800N

20000N

20200N

20400N

20600N

20800N

+2000 gammas

009

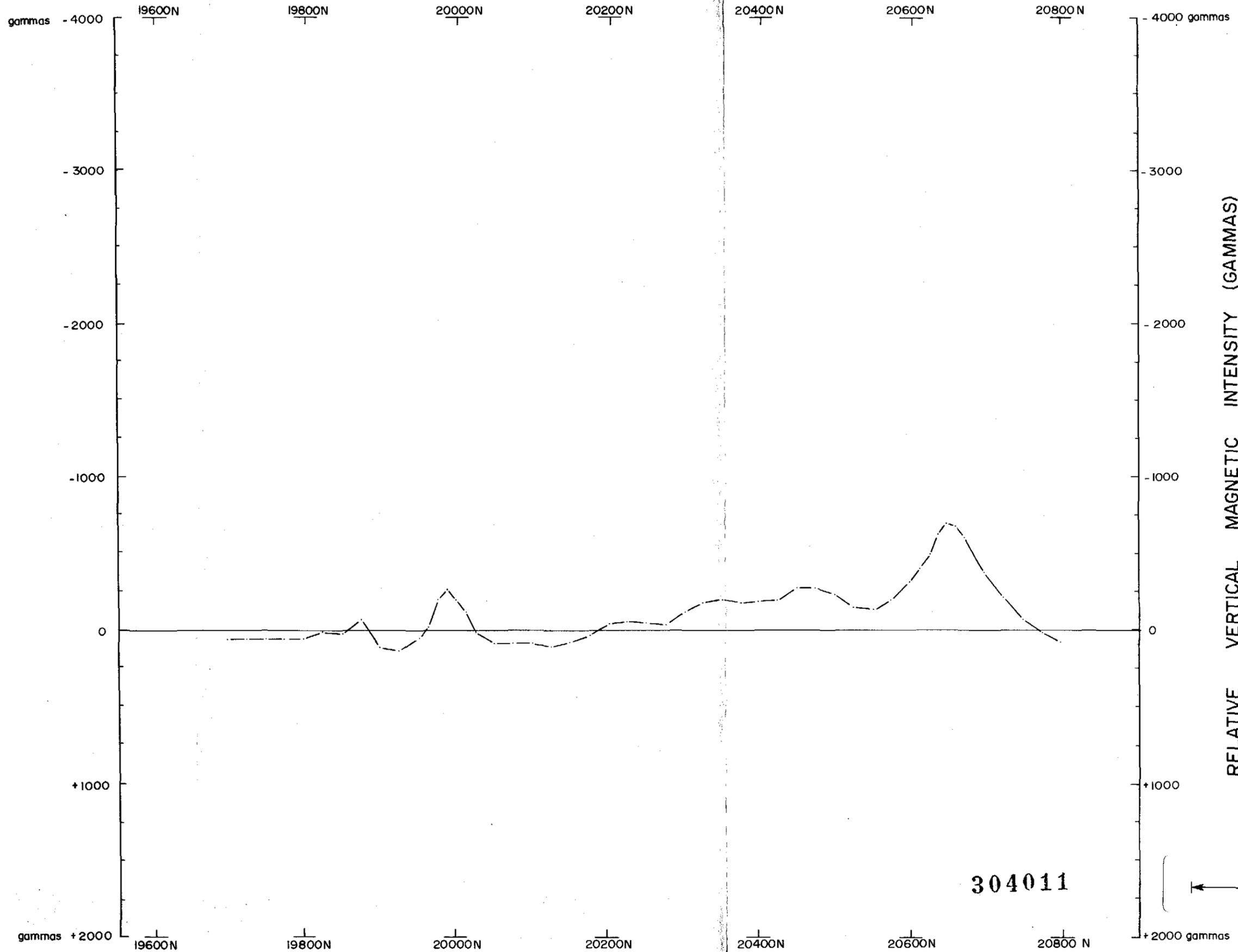
ABMINCO N.L.

77-1221

Drawn: RMSW
Traced: AER
Checked:

NORTH WEST TASMANIA
BIG H - ST. DIZIER
Relative Vertical Magnetic Intensity
PROFILES LINE 21600E

Location code:
Scale: 1:2,500
Date: April 1977
Plate No: STD 37/216

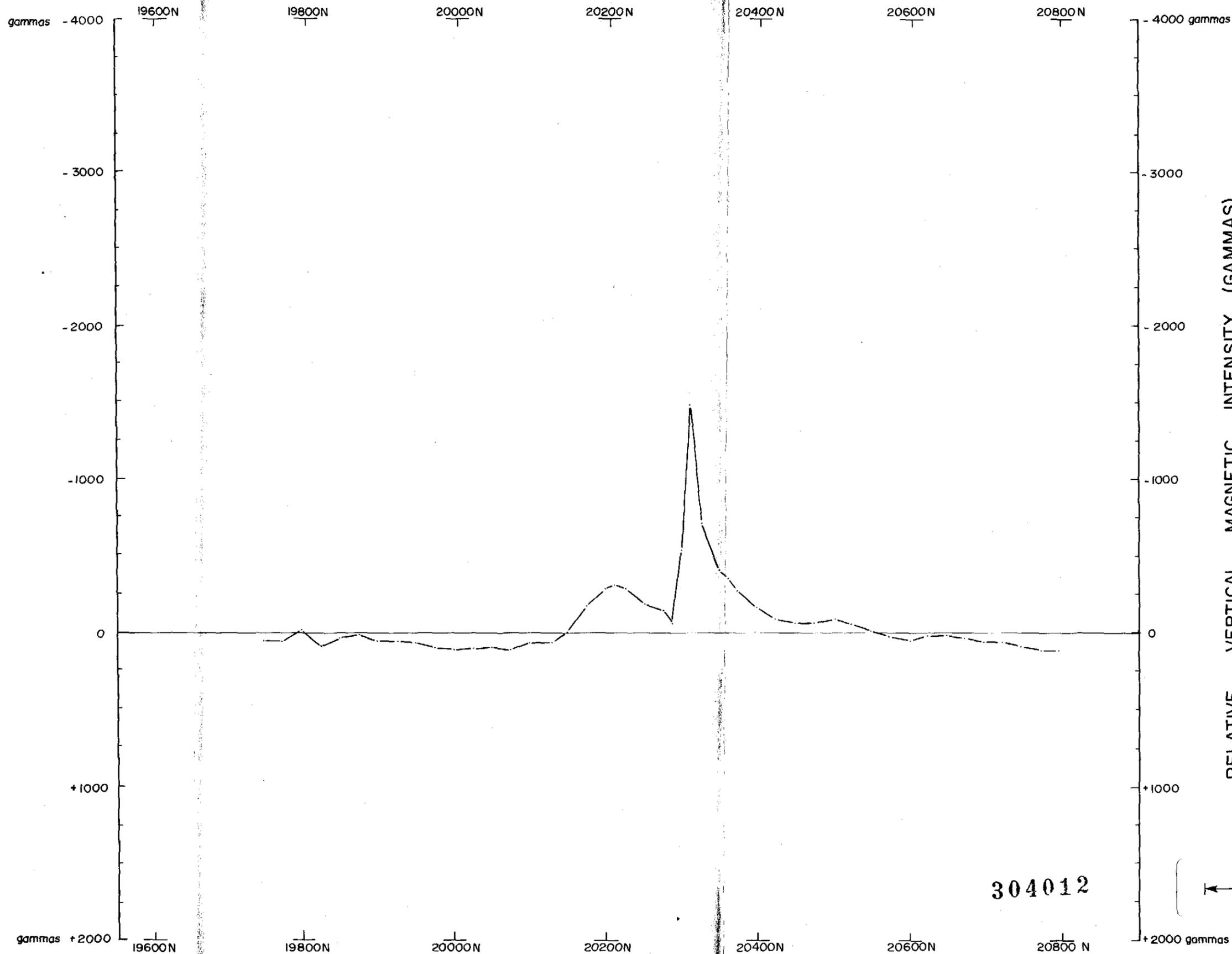


304011

5 cm

ABMINCO N.L.		77-1221
Drawn: RMSW	NORTH WEST TASMANIA	Location code:
Traced: AER	BIG H - ST. DIZIER	Scale: 1:2,500
Checked:	Relative Vertical Magnetic Intensity	Date: April 1977
Revised: _____ Date: _____	PROFILES LINE 21700E	PLA. NO. CT

010

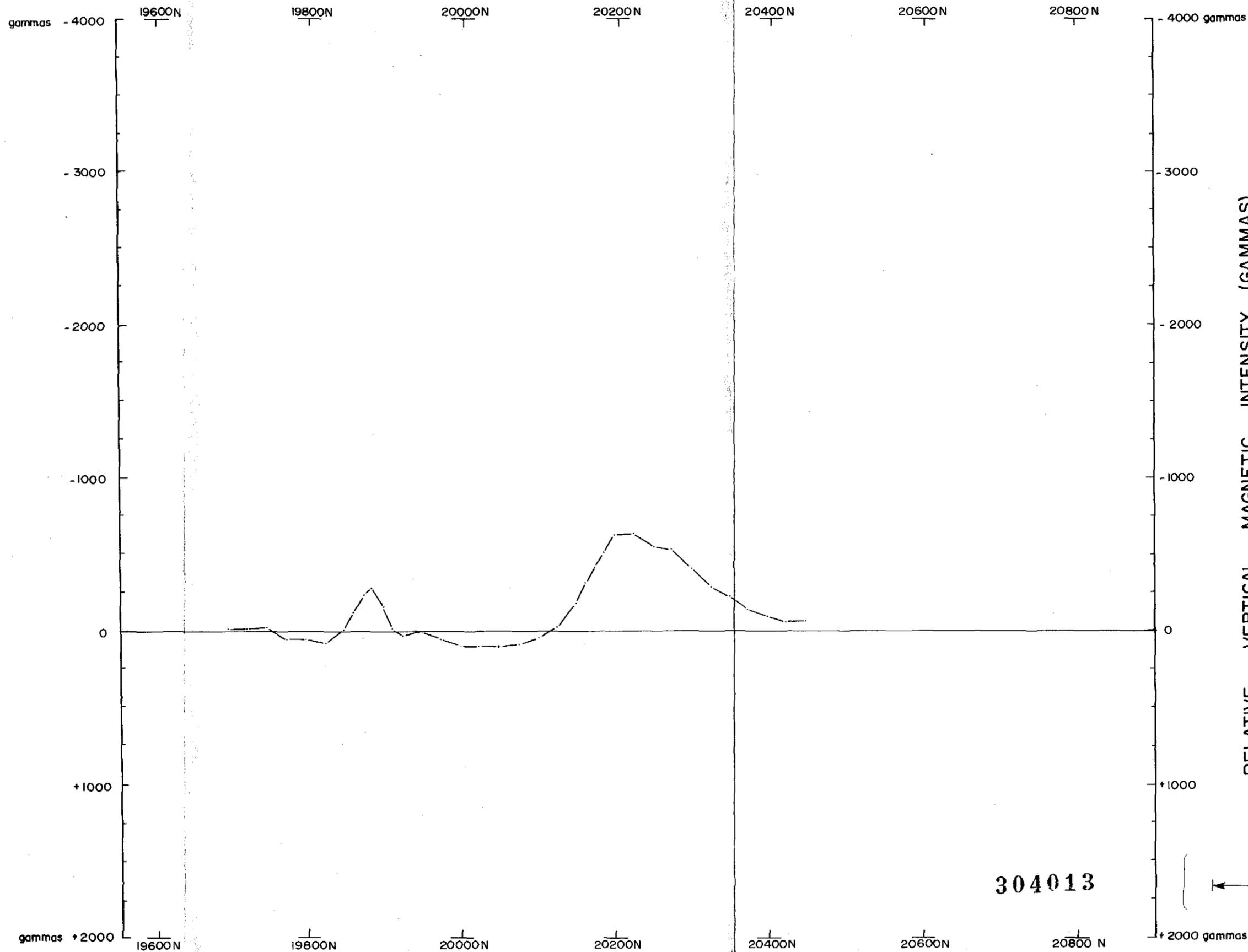


304012

5 cm

011

ABMINCO N.L.		77-1221
Drawn: RMSW	NORTH WEST TASMANIA	Location code:
Traced: AER	BIG H - ST. DIZIER	Scale: 1: 2,500
Checked:	Relative Vertical Magnetic Intensity	Date: April 1977
Revised: _____ Date: _____	PROFILES LINE 21800E	Plate N°: STD 37/218



304013

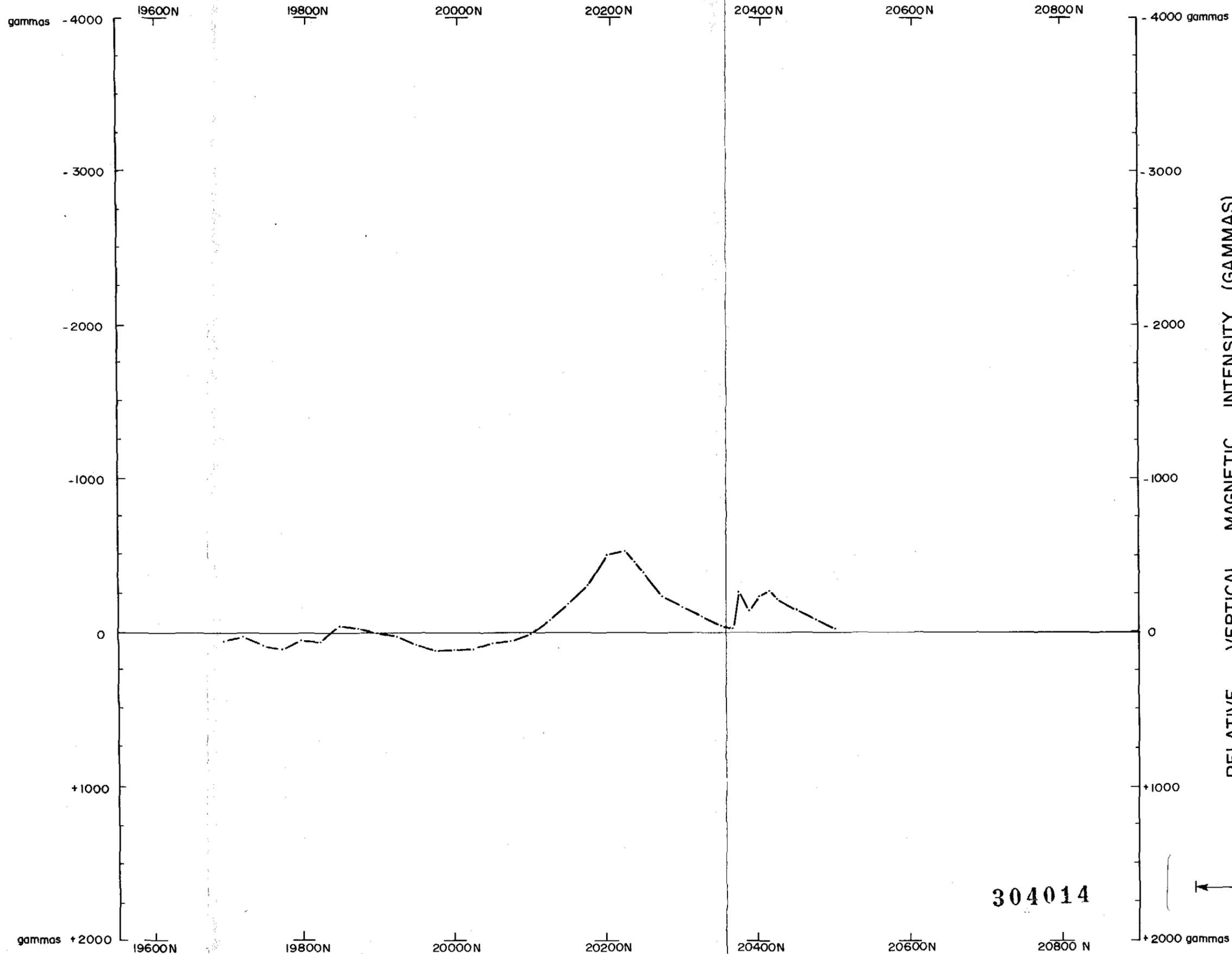
ABMINCO N.L.

77-1221

Drawn: RMSW
 Traced: AER
 Checked:
 Revised: _____ Date: _____

NORTH WEST TASMANIA
BIG H - ST. DIZIER
 Relative Vertical Magnetic Intensity
 PROFILES LINE 21900E

Location code:
 Scale: 1:2,500
 Date: April 1977
 Plate N°: STD 37/219



304014

5 cm

ABMINCO N.L.

77-122A

Drawn: RMSW

NORTH WEST TASMANIA

Location code:

Traced: AER

BIG H - ST. DIZIER

Scale: 1:2,500

Checked:

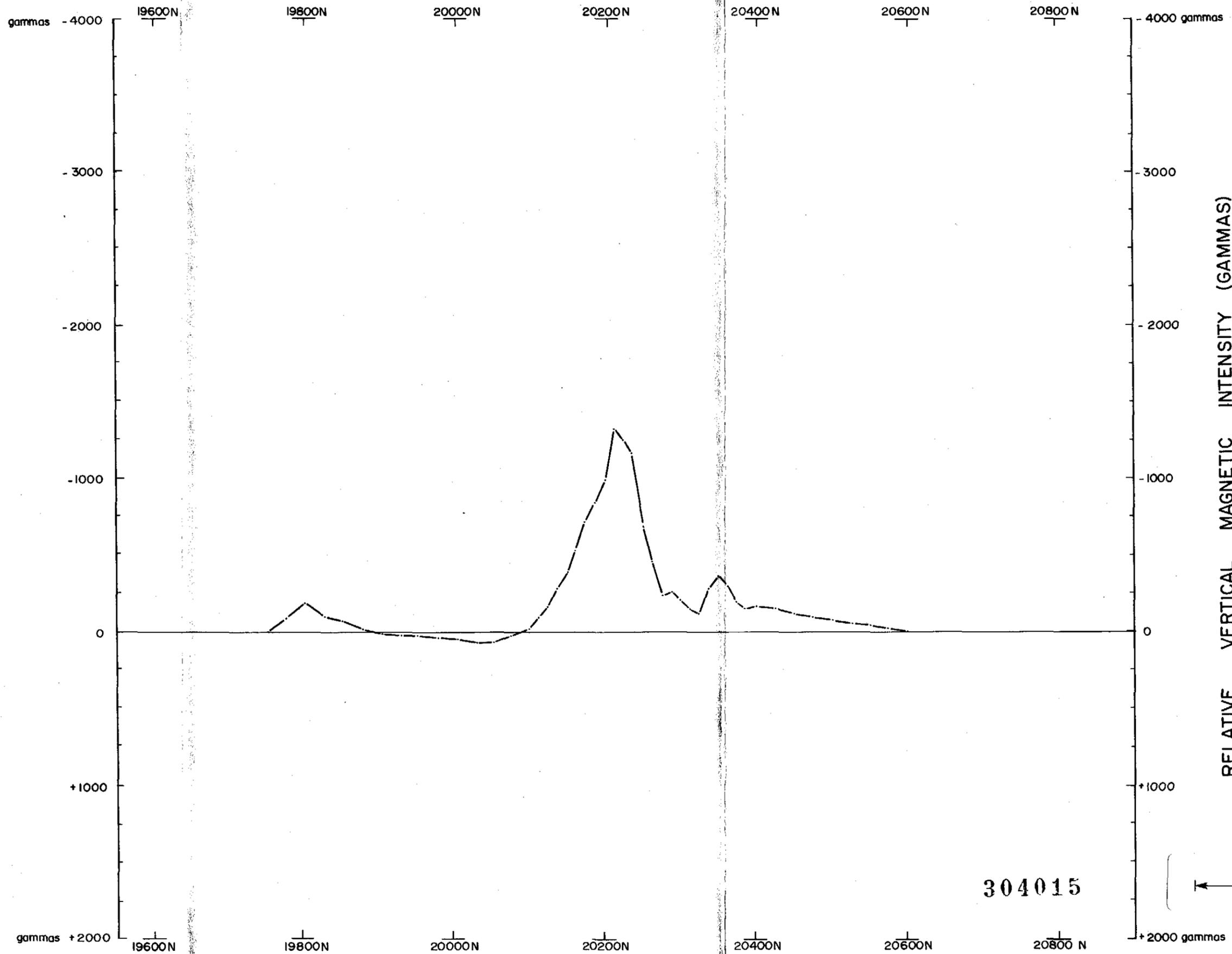
Relative Vertical Magnetic Intensity

Date: April 1977

Revised: _____ Date: _____

PROFILES LINE 22000E

Plate N°: STD 37/22b



304015

5 cm

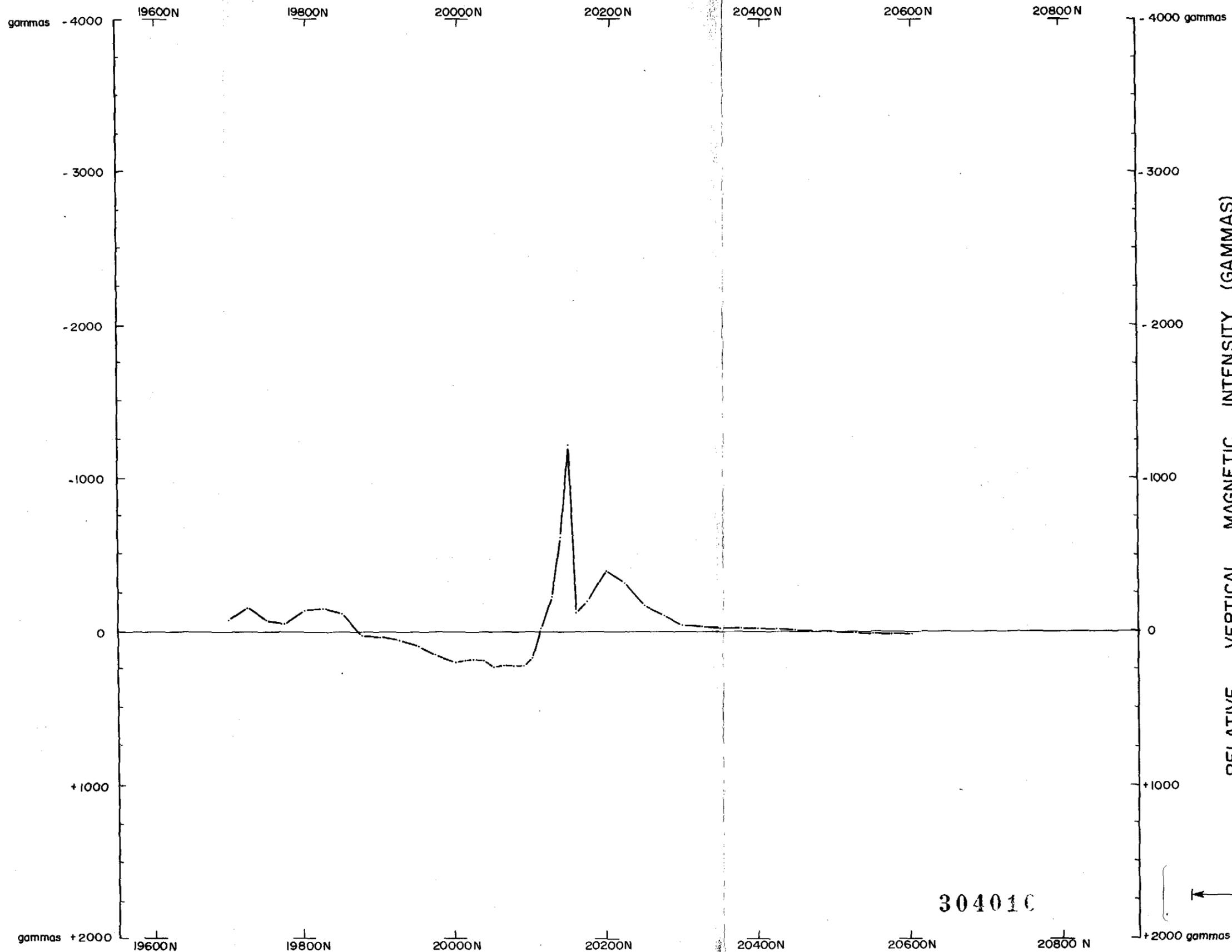
ABMINCO N.L.

77-1221

Drawn: SSW
 Traced: RKY
 Checked:
 Revised: Date:

NORTH WEST TASMANIA
 BIG H - ST. DIZIER
 Relative Vertical Magnetic Intensity
 PROFILES LINE 22100E

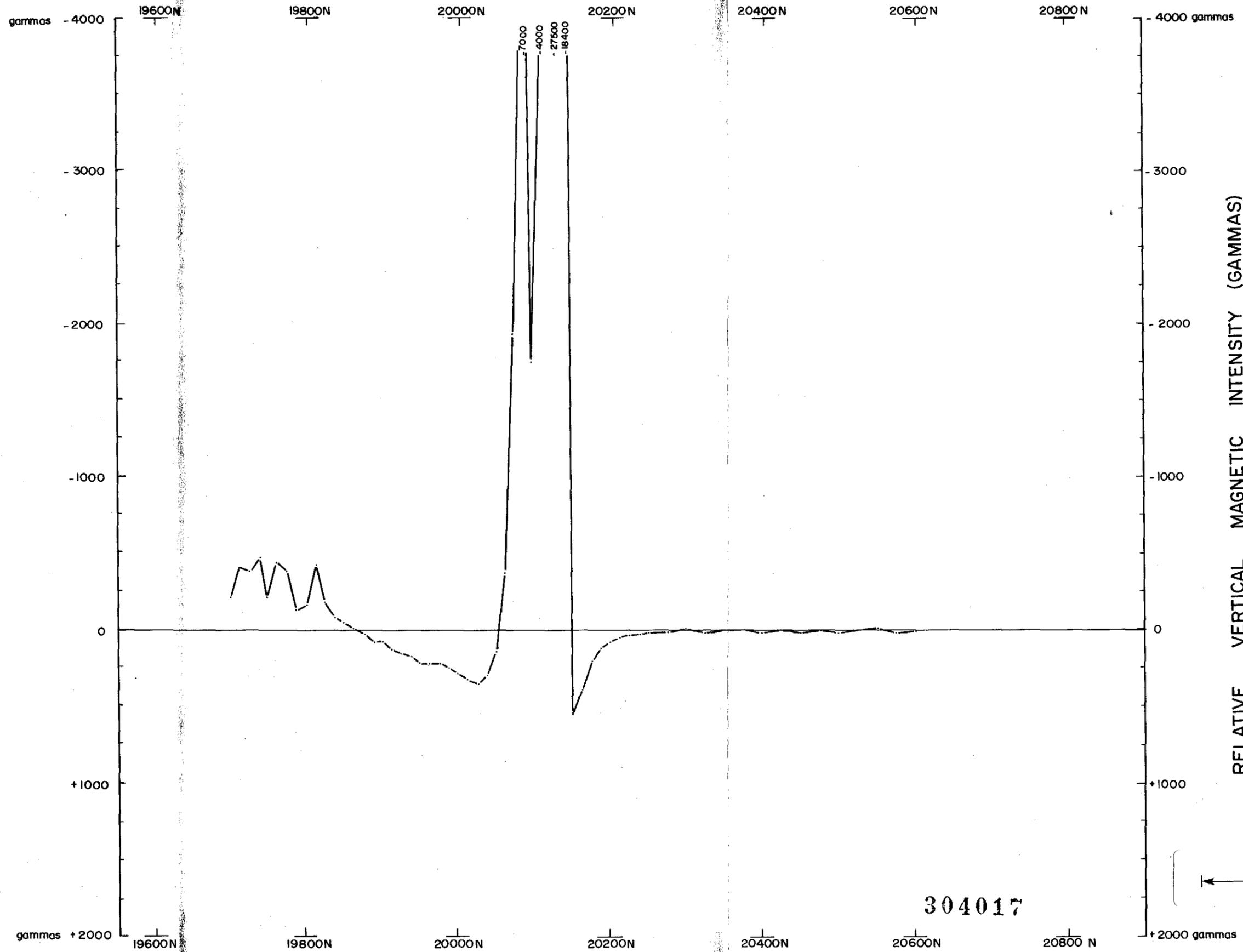
Location code:
 Scale: 1:2,500
 Date: December 1976
 Plate No: STD 37/221



304010

5 cm

ABMINCO N.L.		77-221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER	Location code:
Traced: RKY	Relative Vertical Magnetic Intensity	Scale: 1:2,500
Checked:	PROFILES LINE 22,200 E	Date: December 1976
Revised:	Date:	Plate N°: ST D 37/222

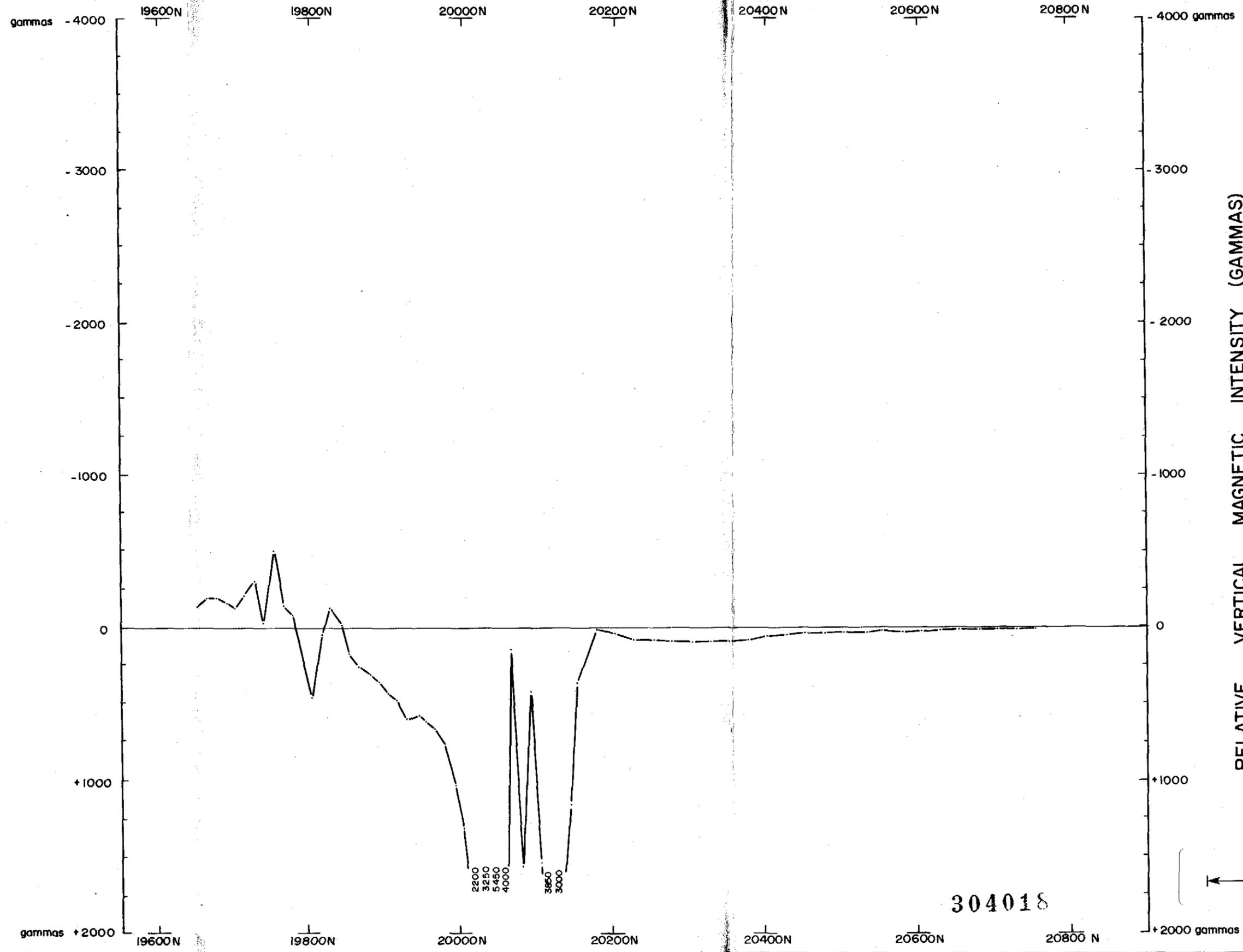


304017

916

ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 223000 E	Location code:
Traced: RKY		Scale: 1:2,500
Checked:		Date: December 1976
Revised: _____ Date: _____		Plate N°: STD 37/223

017

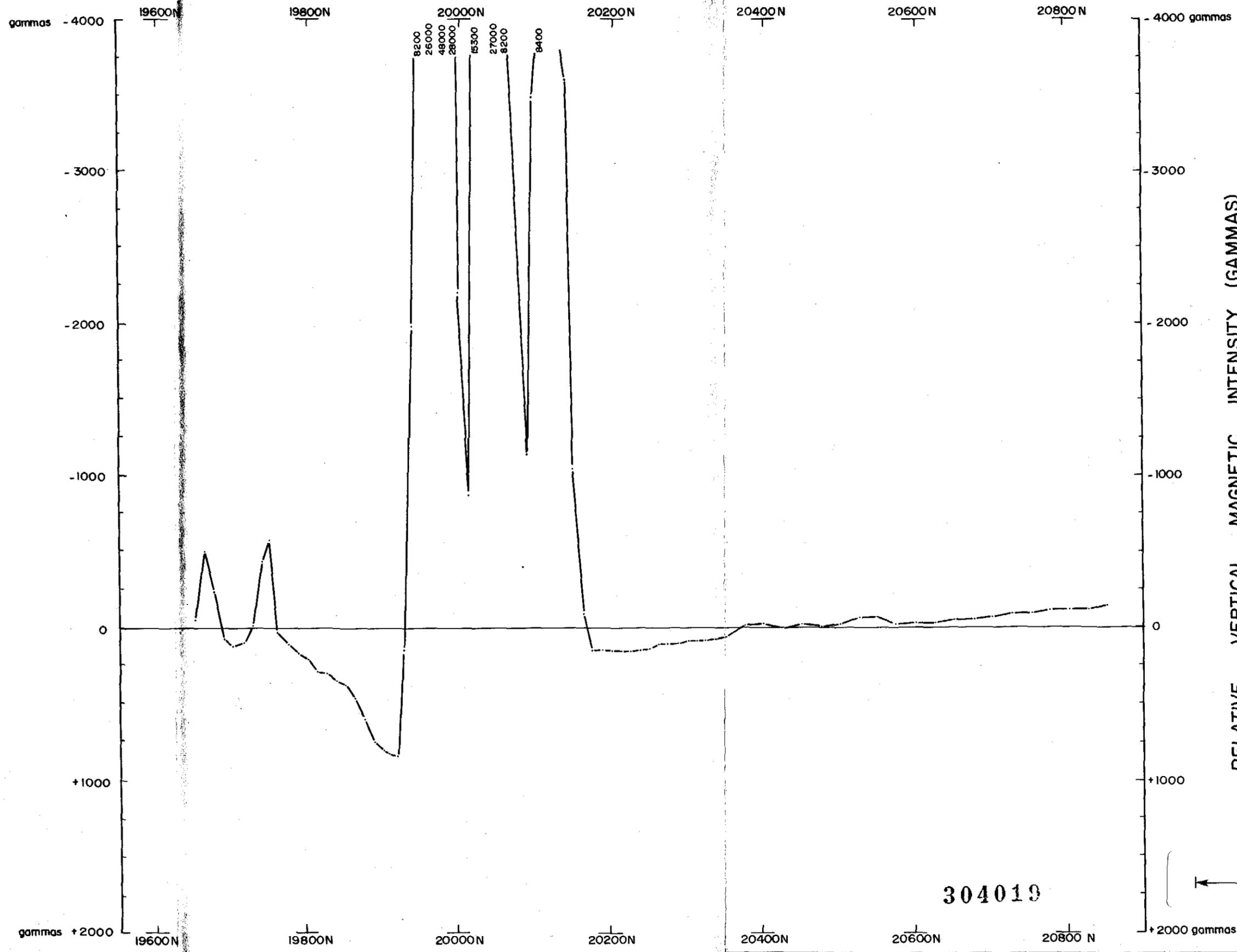


2200
3250
5450
4000

3850
3000

304018

ABMINCO N.L.		71-1221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 22400 E	Location code:
Traced: RKY		Scale: 1:2,500
Checked:		Date: December 1976
Revised: _____ Date: _____		Plate N°: STD 37/224

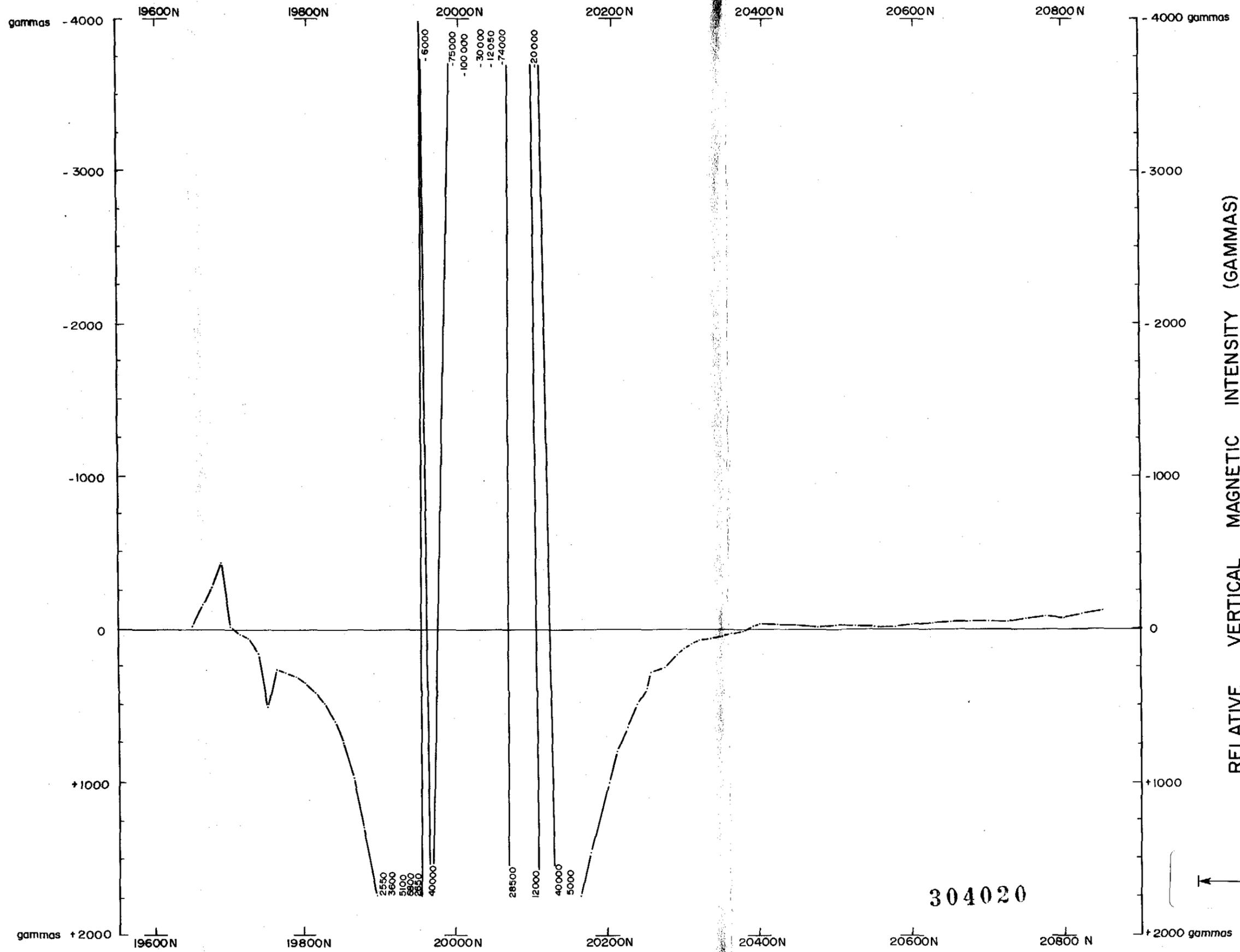


304019

5 cm

818

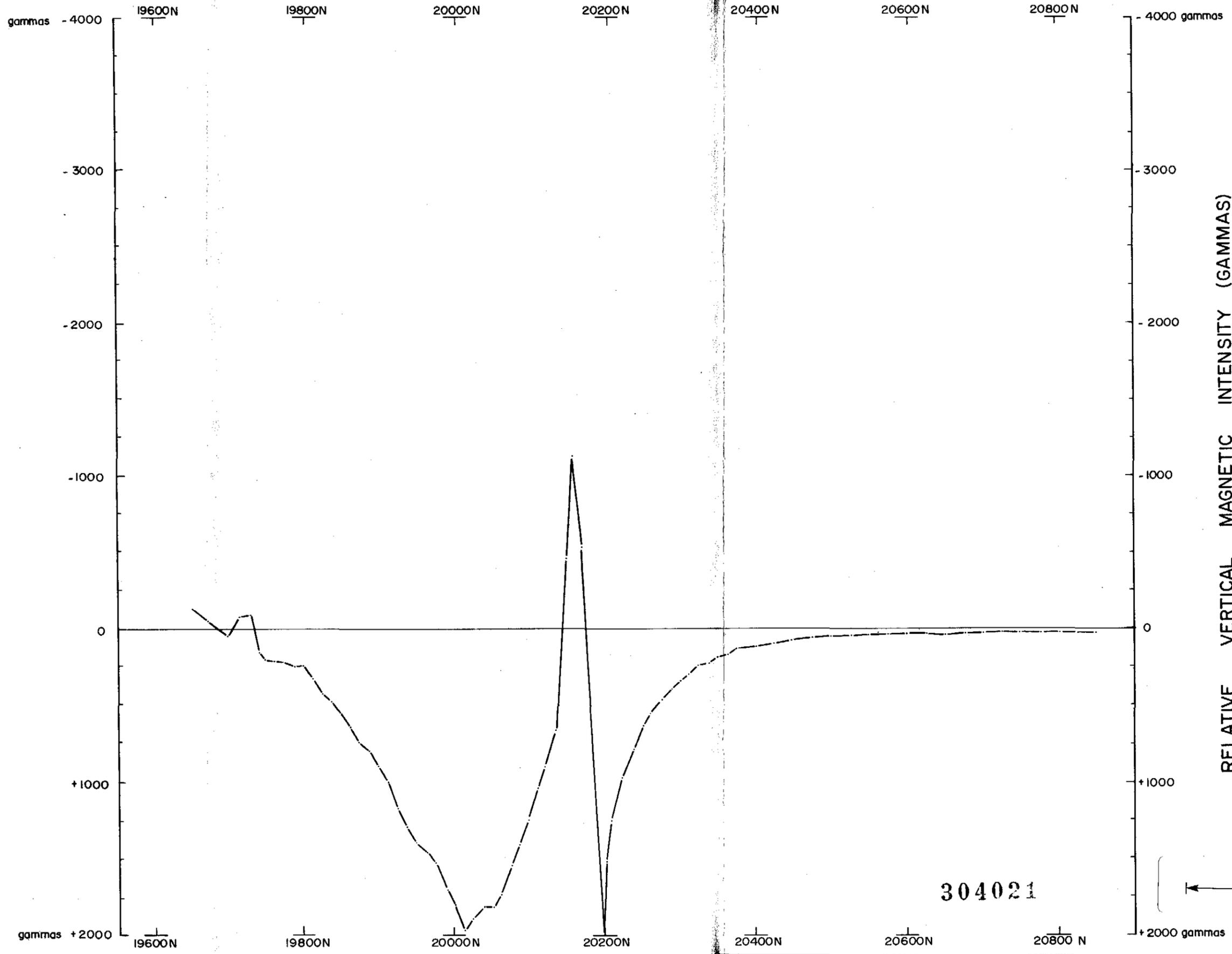
ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 22500 E	Location code:
Traced: RKY		Scale: 1:2,500
Checked:		Date: December 1976
Revised: _____ Date: _____		Plate N ^o : STD 37/225



304020

610

ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA	Location code:
Traced: RKY	BIG H - ST. DAZIER	Scale: 1:2,500
Checked:	Relative Vertical Magnetic Intensity	Date: December 1976
Revised: _____	PROFILES LINE 22600 E	Plate N°: STD 37/226



304021

5 cm

020

ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 22700 E	Location code:
Traced: RKY		Scale: 1:2,500
Checked:		Date: December 1976
Revised: _____ Date: _____		Plate N°: STD 37/227

gammas - 4000

19600N

19800N

20000N

20200N

20400N

20600N

20800N

4000 gammas

- 3000

- 3000

- 2000

- 2000

- 1000

- 1000

0

0

+ 1000

+ 1000

gammas + 2000

19600N

19800N

20000N

20200N

20400N

20600N

20800 N

+ 2000 gammas

RELATIVE VERTICAL MAGNETIC INTENSITY (GAMMAS)

304022

5 cm

ABMINCO N.L.

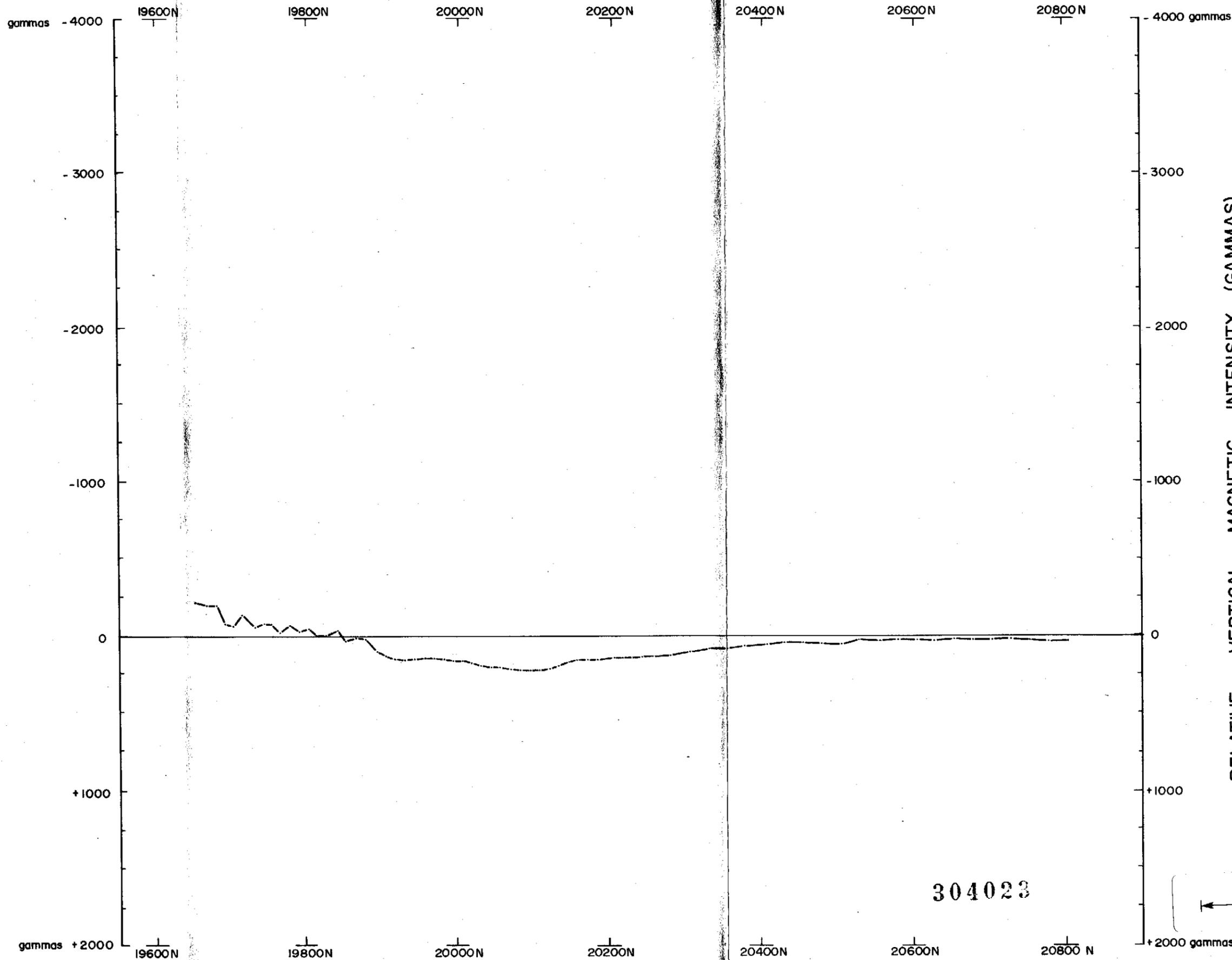
77 1221

Drawn:	SSW
Traced:	RKY
Checked:	
Revised:	Date:

NORTH WEST TASMANIA
 BIG H - ST. DIZIER
 Relative Vertical Magnetic Intensity
 PROFILES LINE 22800 E

Location code:	
Scale:	1:2,500
Date:	December 1976
Plate N°:	STD 37/228

021



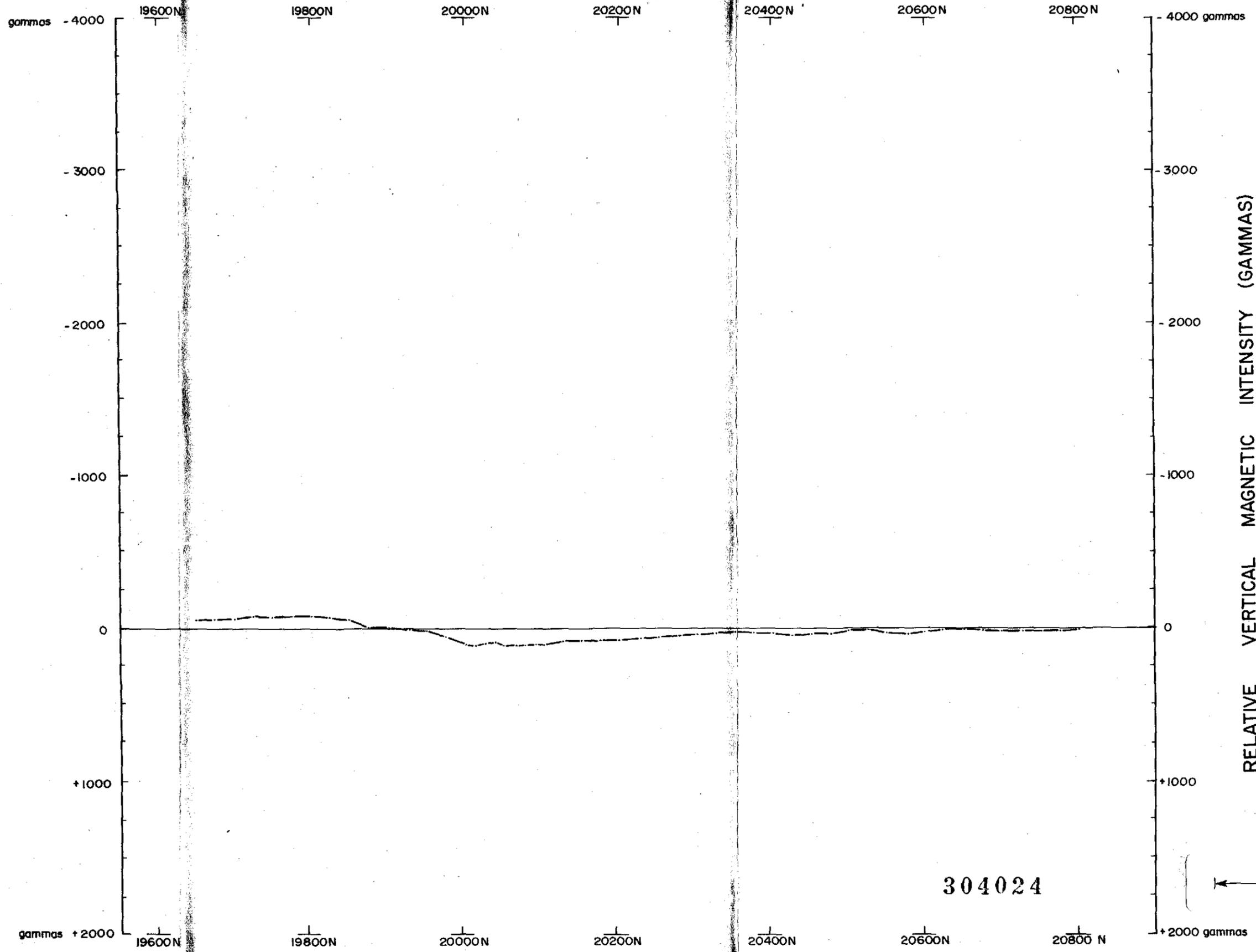
304023

5 cm

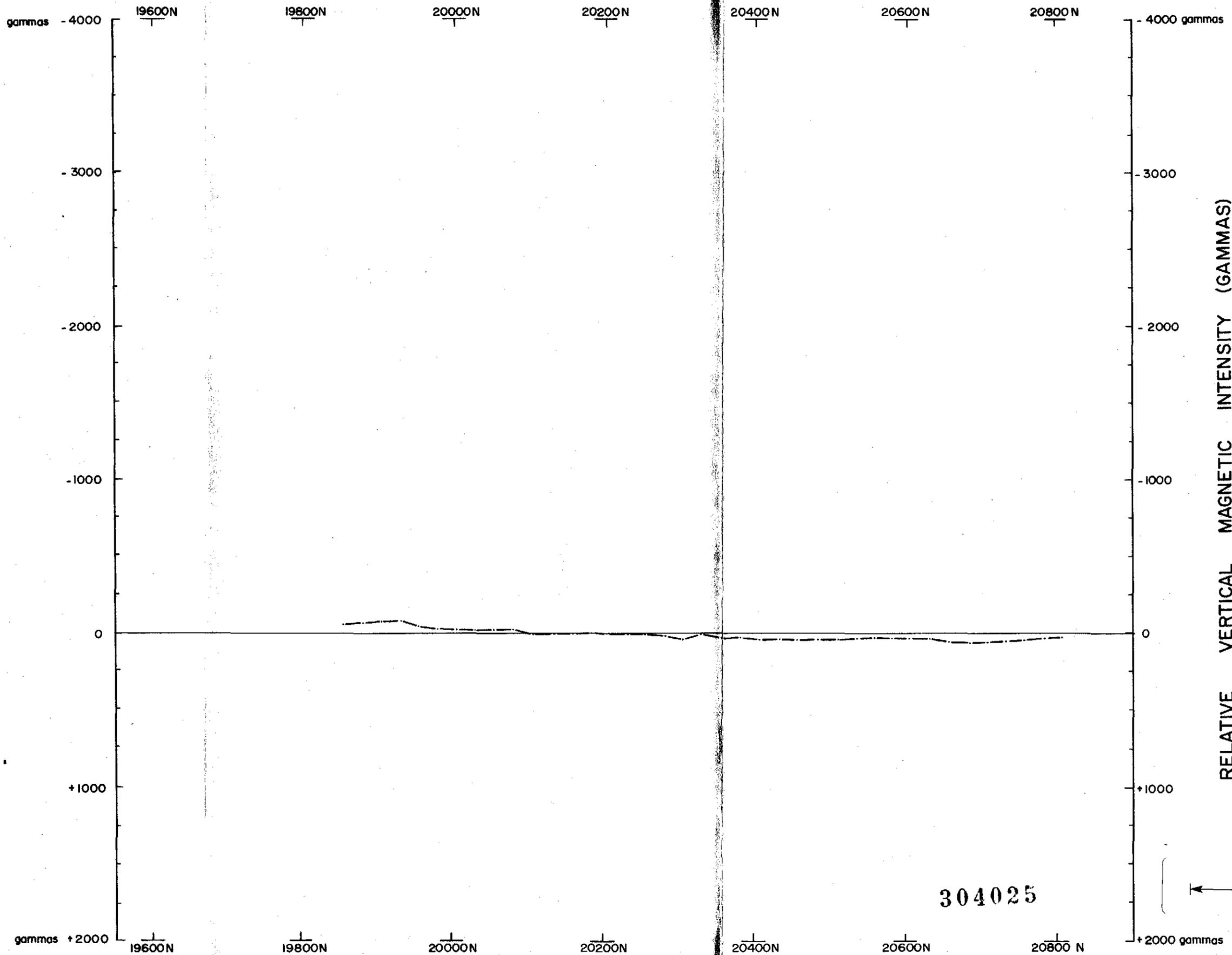
022

ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA	Location code:
Traced: RKY	BIG H - ST. DIZIER	Scale: 1:2,500
Checked:	Relative Vertical Magnetic Intensity	Date: December 1976
Revised: _____ Date: _____	PROFILES LINE 22900 E	Plate N°: STD 37/229

023



ABMINCO N.L.		77-1221
Drawn: SSW	NORTH WEST TASMANIA BIG H - ST. DIZIER Relative Vertical Magnetic Intensity PROFILES LINE 23000 E	Location code:
Traced: RKY		Scale: 1:2500
Checked:		Date: December 1976
Revised: _____ Date: _____		Plate N°: STD 37/230



ABMINCO N.L.

74-1221

Drawn: SSW

NORTH WEST TASMANIA

Location code:

Traced: RKY

BIG H - ST. DIZIER

Scale: 1:2,500

Checked:

Relative Vertical Magnetic Intensity

Date: December 1976

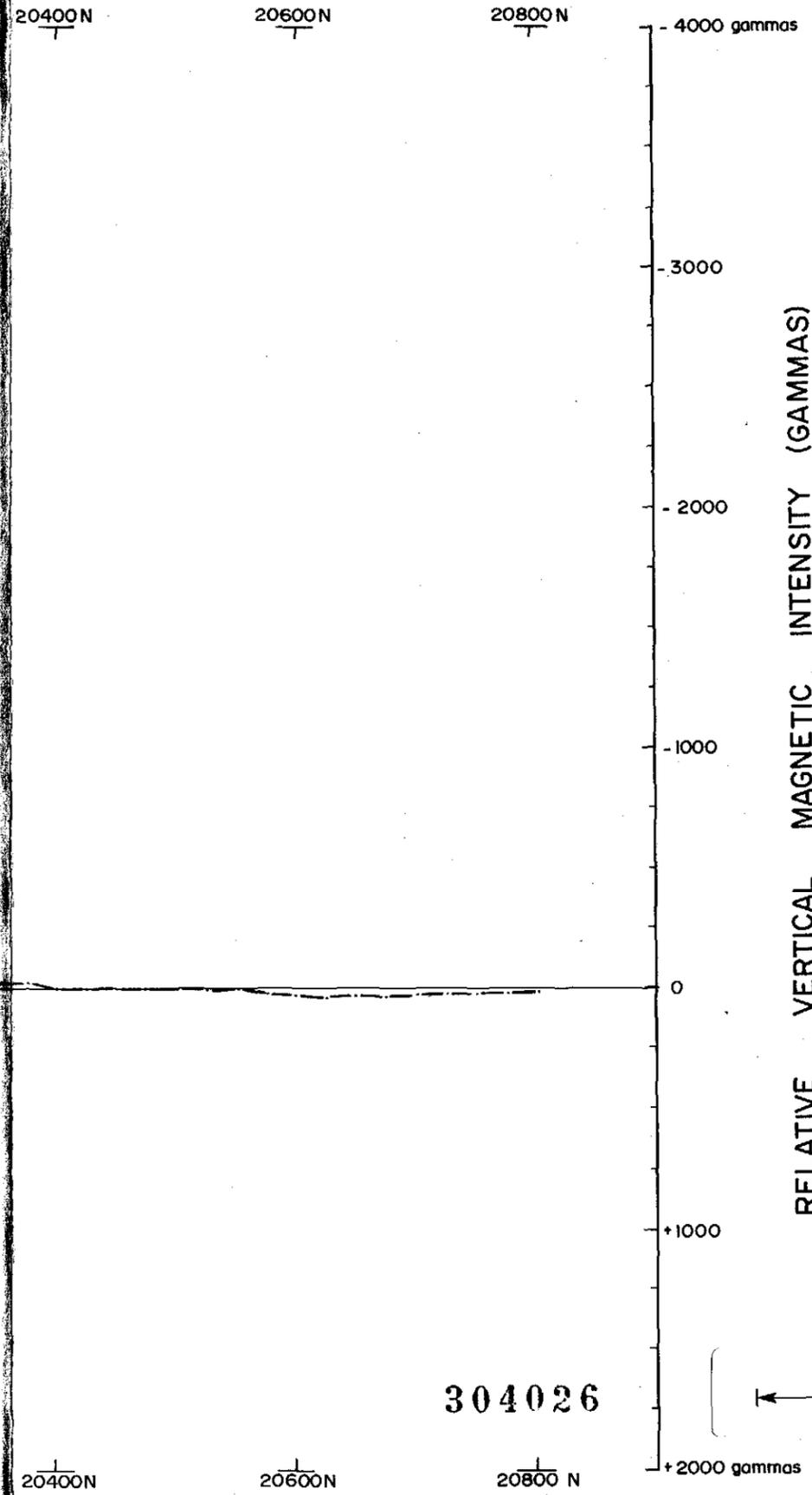
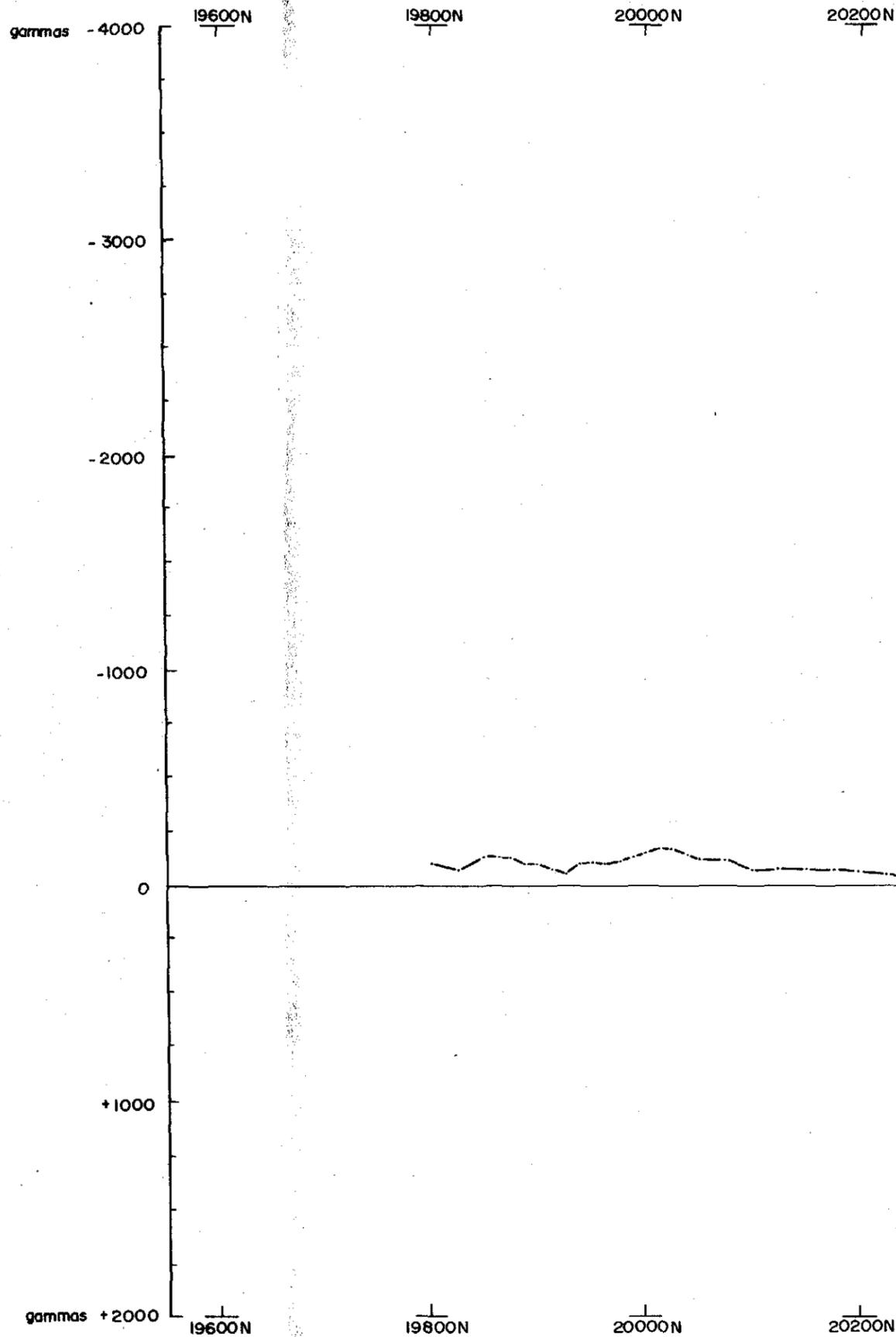
Revised: Date:

PROFILES LINE 23100 E

Plate N°: STD 37/231

024

025



304026

5 cm

ABMINCO N.L.

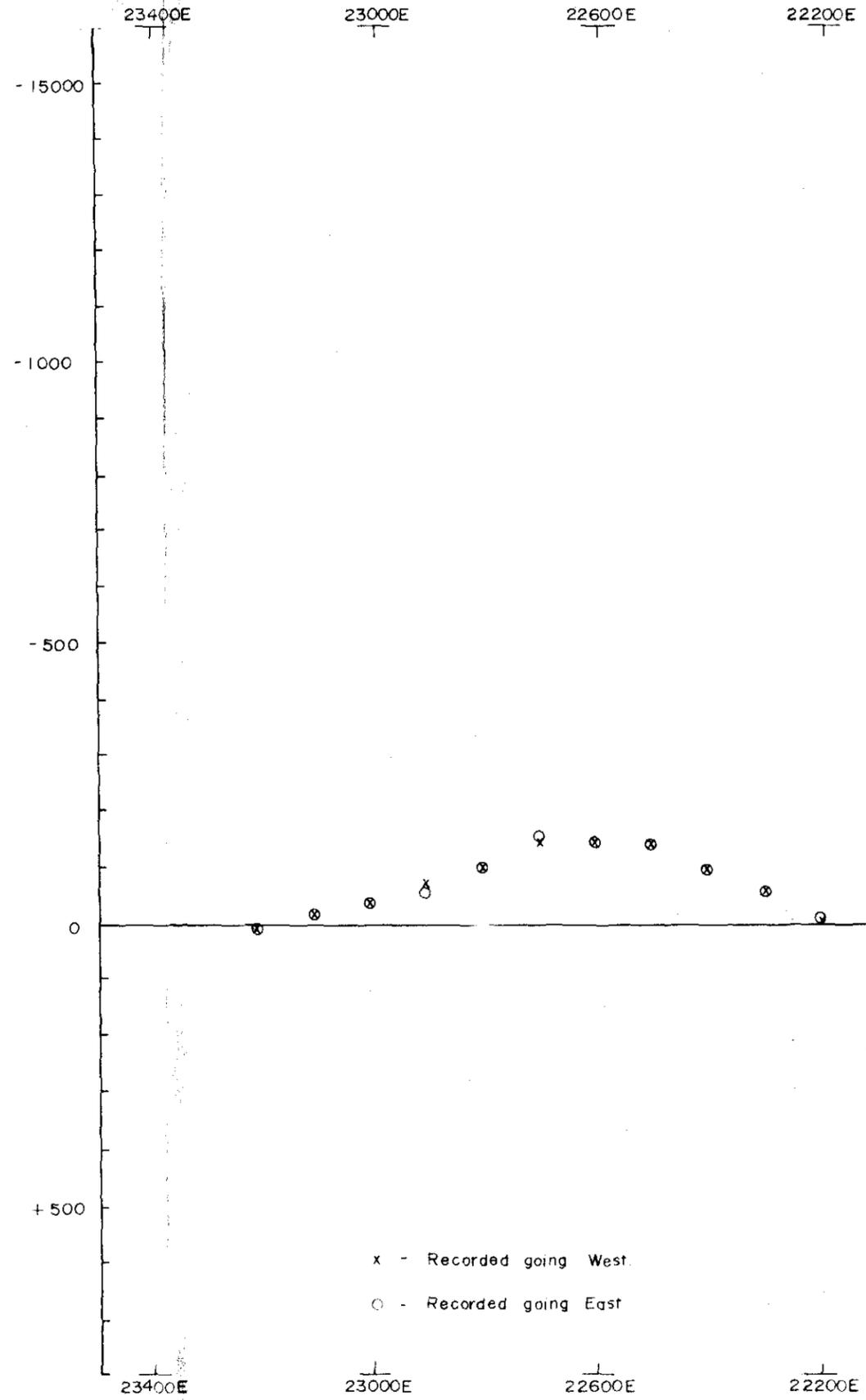
77-122)

Drawn: SSW
 Traced: RKY
 Checked:
 Revised: Date:

NORTH WEST TASMANIA
 BIG H - ST. DIZIER
 Relative Vertical Magnetic Intensity
 PROFILES LINE 23200 E

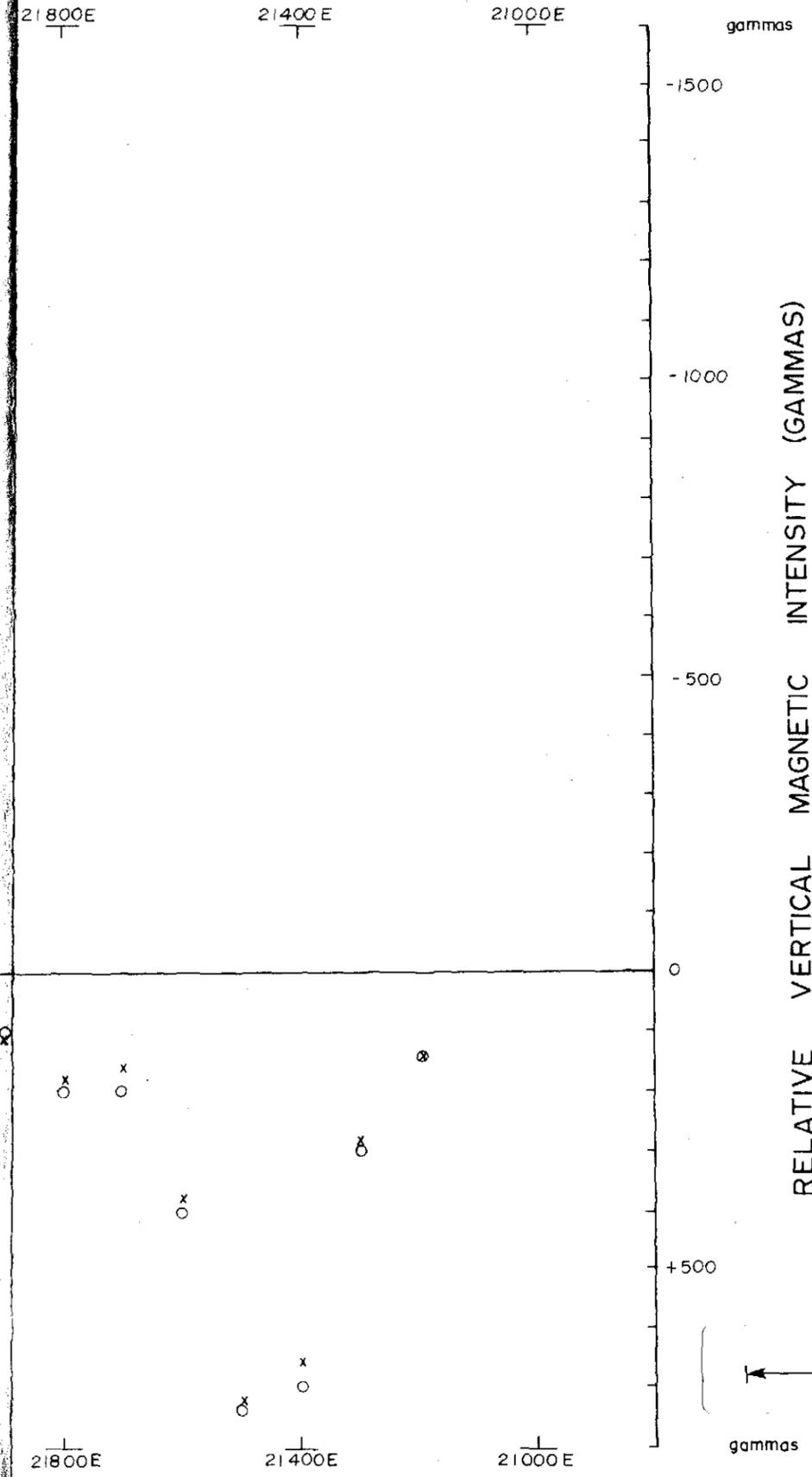
Location code:
 Scale: 1:2,500
 Date: December 1976
 Plate N°: STD 37/232

gammas



x - Recorded going West.
o - Recorded going East

gammas



RELATIVE VERTICAL MAGNETIC INTENSITY (GAMMAS)

304027

5 cm

gammas

026

Drawn: RMSW
Traced: AER
Checked:
Revised: Date

NORTH WEST TASMANIA
BIG H - ST. DIZIER
Relative Vertical Magnetic Intensity
PROFILES BASELINE (20400N)

Location code:
Scale:
Date: April 1977
Plate N°: 37/Baseline

77-1221