42A01SE0087 2.16370 EBY

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ASSESSMENT REPORT, EBY NW & SE GROUPS, (DOUGLAS ROBINSON)

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2.16370

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Profile 24+50E, 100 m Coil Separation
Profile 25+00E, 100 m Coil Separation
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PROFILES: MAGNETIC TOTAL FIELD & MAGNETIC GRADIENT
NW Group (D. Robinson)

Line 2400E: Total Field (Magnetic), 54-60000 Gammas
Line 2400E: Total Field (Magnetic), 57-59000 Gammas
Line 2400E: Magnetic Gradient, -6000 to 1000 Gammas/m
Line 2400E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2450E: Total Field (Magnetic), 57-59000 Gammas
Line 2450E: Magnetic Gradient, -500 to 400 Gammas/m
Line 2450E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2500E: Total Field (Magnetic), 57-60500 Gammas
Line 2500E: Total Field (Magnetic), 57-59000 Gammas
Line 2500E: Magnetic Gradient, -600 to 500 Gammas/m
Line 2500E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2550E: Total Field (Magnetic), 57-60000 Gammas
Line 2550E: Total Field (Magnetic), 57400-59400 Gammas
Line 2550E: Magnetic Gradient, -800 to 800 Gammas/m
Line 2550E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2600E: Total Field (Magnetic), 57-61000 Gammas
Line 2600E: Total Field (Magnetic), 57-59000 Gammas
Line 2600E: Magnetic Gradient, -400 to 500 Gammas/m
Line 2600E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2650E: Total Field (Magnetic), 57-59000 Gammas
Line 2650E: Magnetic Gradient, -600 to 400 Gammas/m
Line 2650E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2700E: Total Field (Magnetic), 57-59000 Gammas
Line 2700E: Magnetic Gradient, -800 to 600 Gammas/m
Line 2700E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2750E: Total Field (Magnetic), 57-59000 Gammas
Line 2750E: Magnetic Gradient, -400 to 400 Gammas/m
Line 2750E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2800E: Total Field (Magnetic), 51-61000 Gammas
Line 2800E: Total Field (Magnetic), 57-59000 Gammas
Line 2800E: Magnetic Gradient, -200 to 200 Gammas/m
Line 2800E: Magnetic Gradient, -16 to 2000 Gammas/m

Line 2850E: Total Field (Magnetic), 56-61000 Gammas
Line 2850E: Total Field (Magnetic), 57-59000 Gammas
Line 2850E: Magnetic Gradient, -3000 to 1000 Gammas/m
Line 2850E: Magnetic Gradient, -200 to 200 Gammas/m

Line 000N: Total Field (Magnetic), 57-59000 Gammas
Line 000N: Magnetic Gradient, -200 to 200 Gammas/m

Line 400N: Total Field (Magnetic), 57-59000 Gammas
Line 400N: Magnetic Gradient, -200 to 200 Gammas/m

SE Group (D. Robinson)
Line 2500E: Total Field (Magnetic), 54-61000 Gammas
Line 2500E: Total Field (Magnetic), 57600-59600 Gammas
Line 2500E: Magnetic Gradient, -6000 to 4000 Gammas/m
Line 2500E: Magnetic Gradient, -400 to 400 Gammas/m

Line 2550E: Total Field (Magnetic), 57500-60500 Gammas
Line 2550E: Total Field (Magnetic), 57600-59600 Gammas
Line 2550E: Magnetic Gradient, -4000 to 4000 Gammas/m
Line 2550E: Magnetic Gradient, -400 to 400 Gammas/m

Line 2600E: Total Field (Magnetic), 56-63000 Gammas
Line 2600E: Total Field (Magnetic), 57600-59600 Gammas
Line 2600E: Magnetic Gradient, -4000 to 4000 Gammas/m

Line 2650E: Total Field (Magnetic), 55-61000 Gammas
Line 2650E: Total Field (Magnetic), 57400-59600 Gammas
Line 2650E: Magnetic Gradient, -200 to 200 Gammas/m

Line 2700E: Total Field (Magnetic), 55-61000 Gammas
Line 2700E: Total Field (Magnetic), 57600-59600 Gammas

Line 2800E: Total Field (Magnetic), 57600-59600 Gammas
Line 2800E: Magnetic Gradient, -400 to 400 Gammas/m

Line 2900E: Total Field (Magnetic), 57600-59600 Gammas
Line 2900E: Magnetic Gradient, -400 to 400 Gammas/m

Line 375S: Total Field (Magnetic), 49-64000 Gammas
Line 375S: Total Field (Magnetic), 56-62000 Gammas
Line 375S: Magnetic Gradient, -16000 to 6000 Gammas/m
Line 375S: Magnetic Gradient, -400 to 400 Gammas/m

Line 300S: Total Field (Magnetic), 65-63000 Gammas
Line 300S: Total Field (Magnetic), 57-59000 Gammas
Line 300S: Magnetic Gradient, -10000 to 2000 Gammas/m
Line 300S: Magnetic Gradient, -400 to 400 Gammas/m

Line 200S: Total Field (Magnetic), 56-63000 Gammas
Line 200S: Total Field (Magnetic), 57-59000 Gammas
Line 200S: Magnetic Gradient, -100 to 100 Gammas/m

Line 100S: Total Field (Magnetic), 57-59000 Gammas
Line 100S: Total Field (Magnetic), 57600-59600 Gammas
Line 100S: Magnetic Gradient, -400 to 400 Gammas/m

Line 000S: Total Field (Magnetic), 57-59000 Gammas
Line 000S: Magnetic Gradient, -400 to 400 Gammas/m

Line 200N: Total Field (Magnetic), 54-61000 Gammas
Line 200N: Total Field (Magnetic), 57-59000 Gammas
Line 200N: Magnetic Gradient, -10000 to 8000 Gammas/m
Line 200N: Magnetic Gradient, -400 to 400 Gammas/m

Line 725N: Total Field (Magnetic), 57-59000 Gammas
Line 725N: Total Field (Magnetic), 58500-59000 Gammas
Line 725N: Magnetic Gradient, -400 to 400 Gammas/m

AFM CATION PLOT (after Jenson)

ANALYSIS D. ROBINSON PROPERTY, NORTH WEST GROUP
ANALYSIS D. ROBINSON PROPERTY, SOUTH EAST GROUP

WHOLE ROCK ANALYSIS D. ROBINSON PROPERTY, NORTH WEST GROUP
WHOLE ROCK ANALYSIS D. ROBINSON PROPERTY, SOUTH EAST GROUP

ASSAY CERTIFICATES
CERTIFICATE 4W-2028-RG1 D. Robinson
CERTIFICATE 4W-2048-RG1 D. Robinson
CERTIFICATE 4W-2198-RG1 D. Robinson
CERTIFICATE 4W-2652-RG1 D. Robinson
CERTIFICATE M3874 D. Robinson
CERTIFICATE M3875 D. Robinson
CERTIFICATE M3929 D. Robinson
CERTIFICATE M4097 D. Robinson

MaxMin 1 Specifications
Scintrex Envimag Specifications

MAPS
~~GEOLOGY: EBY NORTH-WEST GROUP: Scale 1:1000~~
GEOLOGY: EBY SOUTH EAST-GROUP (north sheet): Scale 1:1000
GEOLOGY: EBY SOUTH EAST-GROUP (south sheet): Scale 1:1000

A. INTRODUCTION

Line cutting, detailed geological mapping, whole rock and Au analysis of selected character samples, magnetic total field-gradient surveying and MaxMin surveying were conducted on two claim groups in Eby Township: the NW Group and the SE Group (D. Robinson properties). This work was partially funded by OPAP grant OP94-389.

B. PROPERTY

NW Group (D. Robinson Property)
This property consists of the following two claims in Eby Township (Plan # M-345).

1186974 - SE 1/4 of S 1/2 of Lot 2, Conc VI, Eby Tp (1 unit)
1186975 - W 1/2 of S 1/2 of Lot 2, Conc VI, Eby Tp (2 units)

The NW Group is centred at Latitude 48°05'30" and Longitude 80°10'00" (UTM Zone: 5326500N, 562500E). The bulk of the proposed work is concentrated on claim 1186975, 700 m south of Highway 66, 10 km west of Kirkland Lake (Figure 2).

SE Group (D. Robinson Property)
This property consists of the following three claims in Eby Township (Plan # M-345).

1186976 - NW 1/4 of S 1/2 Lot 2 Conc V, Eby Tp
NE 1/4 of S 1/2 Lot 3 Conc V, Eby Tp (2 units)
1200893 - S 1/2 of S 1/2 Lot 2 Conc V, Eby Tp (2 units)
1200894 - N 1/2 of N 1/2 Lot 2 Conc IV, Eby Tp (2 units)

The South Claim group is centred at Latitude 48°05'00" and Longitude 80°09'40" (UTM Zone: 5325000N, 562000E) on Highway 11 at a point 2.5 km south of the intersection of Highways 11 and 66 (Figure 2).

C. LOCATION

The property locations are outlined in Figure 1. General Location of Claim Groups (NTS Map Sheet 42 A/1) and Figure 2. Claim Map: Eby Tp.

NW Group (D. Robinson Property)
The NW Group is centred at Latitude 48°05'30" and Longitude 80°10'00" (UTM Zone: 5326500N, 562500E) at a point 700 m South of Highway 66, 10 km west of Kirkland Lake (Figure 2a).

SE Group (D. Robinson Property)
The SE Group is centred at Latitude 48°05'00" and Longitude 80°09'40" (UTM Zone: 5325000N, 562000E) on Highway 11 at a point 2.5 km south of the intersection of Highways 11 and 66 (Figure 2a).

D. ACCESS

NW Group (D. Robinson Property)
The North Claim Group is best accessed from Highway 66 at a point 2.3 km east of the intersection of Highways 11 and 66. At this point park at the access road leading north from Highway 66 and walk 400 m at Azimuth 180° to the #1 Post of claim 1186975.

SE Group (D. Robinson Property)
The South group is best accessed from Highway 11 at a point 2.5 km south of the intersection of Highways 11 and 66. At this point, park at the Ontario Hydro transformer station. The entire claim group is easily accessed from this point at the south edge of Claim 1186976. Highway 11 cuts all three claims of the south group.

E. SURVEY DATES AND SUPERVISION

The EM and Magnetometer surveys and line cutting were supervised by the author. All geological mapping was performed by the author. Work dates are recorded on the enclosed invoices and work logs.

F. DEPOSIT TYPE AND GEOLOGY

Gold is the primary exploration target; however potential exists for platinum or nickel-copper-platinum deposits hosted in coarse grained differentiated gabbro-diorite intrusives.

NW Group

The NW group is located on the north cental part of an east-west trending 3 X 1.5 km body of mafic rock previously mapped as intrusive gabbro and diorite (Map P.448). 1994 mapping of these groups by the author confirmed this unit and defined sub-units consisting of dark green diorite, pale coloured feldspathic rocks mapped as anorthosite and coarse grained hornblendite. These formations appear to have crosscutting relationships and are locally intercalated as alternating bands which is consistent with intrusive rocks.

Fine grained Mg-tholeiitic flows are prominent in the west north west portion of the NW group.

A chloritic unit of uncertain origin was mapped between the gabbro-diorite intrusive and the Mg-tholeiitic flows. This unit is characterized by quartz grains in a dark green chloritic matrix. The quartz grains, comprising 1-5% of the rock, range from barely visible to several mm. Locally this quartz appears to be angular interstitial grains that survived chloritization of the gabbro-diorite. Locally, rocks within the chlorite unit have tuff-sediment textures. It is the opinion of the author that the chloritic unit is altered rock of intrusive, volcanic

and tuffaceous origin where alteration has destroyed most primary textures. This chloritic unit appears to host the strong EM conductors located in this exploration area.

In the NW Group approximately 30 scattered outcrops of moderate to intense Fe-carbonate alteration were located and hand stripped. 13 samples were analyzed for Au, giving anomalous values to 103 ppb Au.

In 1995, after the completion of mapping, a strongly altered syenite outcrop was identified at the 0+00N base line near line 26+00E.

SE Group (D. Robinson property)

The majority of the SE group is a sequence of steeply dipping Fe-tholeiitic volcanics and associated sediments. These volcanics consist of massive to banded dark rocks with hornfels developed to the south towards the Otto stock. Banding, locally prominent in the southern portion of the grid, appears to be in part epidote alteration that has been sheared.

The northern portion of the grid consists of Mg tholeiitic volcanics.

The southern two units were staked on a bull's eye anomaly, indicating potential for kimberlite. Sufficient outcrop was examined to indicate this anomaly is not kimberlite related. A narrow lamprophyre dike was noted along Highway 11 at 020S. This is similar to narrow lamprophyre dikes observed at 3160E-300S on the NW grid.

In the SE group approximately 14 scattered outcrops of moderate to intense Fe-carbonate alteration were located and hand stripped.

Alteration Zones NW and SE Groups

Two strong trends of Fe-carbonate alteration zones were identified on the NW group. A 075-085 trend in part associated with strong breaks and locally having strong to weak conductors is parallel to the Kirkland Lake Main Break and Larder Lake Breaks that host gold deposits within the Kirkland Lake-Larder Lake mining camp. A second strong trend 100°-140° is associated with a series of linear depressions crossing the property and the area to the east. The cross trend is observed in outcrops only at the edges of narrow ravines.

Two strong alteration zones were identified in the north half of the SE Group. Strong Fe-carbonate alteration was identified west of and along the north and south edges of the swamp south of the transformer station. West of Highway 11 this zone has prominent pyrite mineralization. Also a broad zone of intense Fe-carbonate alteration and stockwork quartz veining was identified north of the power lines. These two zones appear to have an east northeast trend.

G. SUMMARY OF PREVIOUS WORK

NW Group (D. Robinson Property)

No prospecting work other than work done by James Reed is recorded in MNDM assessment files. The only evidence of older work is two trenches located at 2538E-048N and 2642E-025S and a pit at 2460E-301N. The two trenches exposed fault zones within intense Fe-carbonate zones having anomalous Au vales. The pit tested an area of quartz veining in talus.

Mr. Reed mapped, power stripped overburden, conducted magnetic and VLF surveys of these claims. This work was conducted on north-south grid lines spaced at 400 foot centres and both magnetic and VLF readings were taken at 100 foot intervals.

SE Group (D. Robinson Property)

The bulk of work performed on the South Group was conducted during the 1980's by James Reed (Reference: Kirkland Lake Assessment file KL-2349) and Butte Canyon Resources Inc (Reference: Kirkland Lake Assessment file KL-0309). The split control of the ground at the time of the surveys resulted in this 6 claim unit group being divided into three separate surveys:

1. the north-west grid of Butte Canyon Resources (1 unit), north south lines on a 100 metre line spacing.
2. the central grid of James Reed (3 units), north-south lines on a 400 foot spacing.
3. the south grid of Butte Canyon Resources (2 units), azimuth 315° lines on a 100 metre spacing.

Butte Canyon Resources conducted geological mapping, litho-geochemical sampling, magnetometer, VLF and Horizontal Loop EM surveys. A 25 metres reading spacing was used for these geophysical surveys. James Reed also conducted geological mapping, magnetometer and VLF surveys using a 100 foot reading spacing. These three surveys established the general trends of

the ground geophysics, however these surveys are not sufficiently detailed to define the subtle responses related to narrow carbonate zones hosting gold deposits. Also the southern survey by Butte Canyon Resources was conducted parallel to the target anomaly inferred to be an intrusive formation, possibly a kimberlite.

James Reed drilled three diamond drill holes:

1. 80-2 (102 feet) drilled east from the east boundary of claim 1100894.
2. 84-8 (115 feet) drilled on claim 1100893 at the east edge of a swamp east of Highway 11.
3. 84-9 (103 feet) drilled on claim 1100893 west of Highway 11 and north of the magnetic low anomaly

These three holes were directed at EM conductors and intersected graphite. EM conductors in themselves are not the primary targets of the exploration project area.

Fernand Rivard conducted surface exploration including trenching and diamond drilling two to three claim lengths to the south of this group (Kirkland Lake Resident Geologist's assessment file KL-2391).

A map in the assessment files at the Kirkland Lake Resident Geologist's office indicates Sylvanite Gold Mines Ltd. exposed two shear zones on claim 1100894. These were 10-20 feet wide and 5 feet wide with the wider zone having gold values of 0.64 oz Au/ton over 5 feet (0.80 oz Au/ton over 3.0 feet). This zone may be located in a pit located at 3130E-285S.

H. SUMMARY 1994 WORK

NW Group (D. Robinson Property)

1994 exploration work, included line cutting, geological mapping, a MaxMin EM survey and a magnetic total field-magnetic gradient survey. Detailed mapping and hand stripping with emphasis on alteration and structural lineaments were conducted by the author. A total field-vertical gradient magnetic survey and a MaxMin EM survey were supervised by the author. Character samples of alteration zones and mineralization were collected.

SE Group (D. Robinson Property)

1994 exploration included line cutting, geological mapping and a magnetic total field-magnetic gradient survey. Character samples of alteration zones and mineralization were collected.

I. LINE CUTTING

Separate grids were cut on the NW and SE Groups. The departure of the SE grid (easting) was established to correspond with the NE grid. All grid latitudes and departures were established relative to true north.

A total of 18.538 km (8.983 km SE Group) (9.555 km NW group) were cut by Douglas Robinson (applicant), Graham Robinson, David Robinson and Shaney Hill. Both grids were cut with a line spacing of 50 m and a 25 m station interval. All grid lines were cut north and south of the base line on the NW grid. The majority of grid lines of the SE grid were also cut north south with the exception of the south-east corner where east-west lines were established at 100 meter centres. This rotation of the grid was established to trace a known magnetic anomaly that crosscuts the regional stratigraphic trend.

J. MaxMin HORIZONTAL LOOP EM SURVEY

A total of 9.555 km of Maxmin EM surveying on the NW grid (D. Robinson Property) was directed to locating the surface trace and character of conductive formations (See tables below).

Three frequencies were measured using a 100 m coil separation with readings at a 25 m interval. Three frequencies on each line to establish the signature of the conductors. A fourth frequency (110 hz) was used on five lines but was abandoned as it did not add significantly to the data. Lines 26+00 and 27-00 were also surveyed using a 200 m coil separation. Terrain corrections were performed by recording a running average slope of the four station intervals between the coils. The average slope was used to maintain the coils coplanar.

Data was plotted on standard profile plots recording IP and OP curves for each frequency and terrain profile on separate graphs on a common sheet. Data for each line was plotted on a separate sheet. This presentation was used to accommodate multi-frequency data from variable coil separations and to accommodate reproduction on standard xerox machines.

TABLE OF TRAVERSE LINES: NW GRID (D. ROBINSON PROPERTY)

LINE	COIL SEPARATION (m)	TRAVERSE LENGTH (m)	TOPOGRAPHY MEASURED (m)	FREQUENCY MEASURED
24-00	100	900	900	(440,880,7040 Hz)
24+50	100	775	0	(110,440,1760,7040 Hz)
25-00	100	750	750	(440,1760 7040 Hz)
25+50	100	750	750	(110,440,1760,7040 Hz)
26+00	200	800	800	(440,880,3520 Hz)
26+00	100	625	625	(110,440,1760,14080,Hz)
26+50	100	850	850	(110,440,1760,7040 Hz)
27+00	200	900	900	(440,880,3520 Hz)
27+50	100	875	875	(110,440,1760,3520 Hz)
28+00	100	375	375	(440,880,3520 Hz)
TOTAL		7600	6825	

K. ANOMALIES

Ground EM consisting of MaxMin EM surveys were directed to locating the surface trace and character of conductive formations within the grid area. The following anomalies were identified:

LIST OF ANOMALIES: NW GROUP (D. ROBINSON PROPERTY)

Anomaly K	
K24	035N
K24.5	043N
K26	075N
K26.5	087N
K27	108N
K27.5	123N
K28	100N
Anomaly L	
K24	085S
K24.5	080S
K24	065S
K26	087S
Anomaly M	
K24	235N
K25.5	250N
K25	246N

Conductors K26, K26.5, K27, K 27.5 K27.5 K28 and L24 appear to result from bedrock sources containing sulphides and/or graphite. Conductors K24, L24.5, L25, L26, M24, M24.5 and M25 appear to result from bedrock shearing and/or mineralization that marks the lateral extensions of strong conductors.

Anomaly K26.5-K28 occurs at the south edge of a broad mag low having low magnetic relief. This MaxMin anomaly and the associated mag low appear to be truncated by a mineralized fault observed at 2538E-049N. Anomaly K26 appears to have detected the conductive zone at considerable depth. Anomaly K24 and K24.5 appear to have detected the west projection of the fault

observed at 2538E-049n and the associated Fe-carbonate alteration. The fault and Maxmin anomaly may diverge at line 2600E with the anomaly being north of the fault. The fault, Fe-carbonate alteration and the bedrock source of the EM response reflect a broad gold target over a 400 m strike length.

Anomaly L24.5 and L25 have weak quadrature responses that appear to reflect the westward projection of the strong fault and associated Fe-carbonate alteration at 2643E-025S. These responses are also on line with the strong bedrock response L24. Response L24 could reflect a concentration of mineralization along this fault. Alternatively, a strong bedrock conductor could be faulted off between lines 2400E and 2450E. A parallel mag low 20 metre north of these EM responses could reflect a zone of intense Fe-carbonate alteration. The fault, Fe-carbonate alteration, EM responses and associated mag low are a 300 meter long gold target.

Anomaly M is directly east of an airborne EM response to the west on ground held by J. Reed. This anomaly is also in a broad area having low magnetic relief. This low magnetic relief could reflect gold related alteration.

L. MAGNETIC SURVEY

A rented Scintrex ENVI-MAG was used for blanket coverage of all lines of the NW and SE grids. This instrument was selected because of its ability to give a high density of readings suitable for profiling. This procedure was selected to detect short wavelength and low amplitude negative magnetic anomalies associated with magnetite destruction related to carbonate alteration of magnetite and ferro-magnesium minerals. This style of destructive alteration was observed by the author on ground held by Arnold Allsopp. Here; half a kilometre to the southeast pervasive Fe-carbonate alteration crosscuts magnetite iron formation and hosting volcanics. The magnetite is totally replaced by Fe-carbonate.

Both total magnetic field and magnetic gradient were measured. The magnetic gradient is a useful tool to define a precise surface trace of total field anomalies. It also defines the relative depth of the source anomalies as magnetic gradient responds strongly to near surface features.

Geosoft programming has been rented to plot profiles of the data, however hardware problems with my computer prevented use of this programming. The data was alteratively plotted using Lotus 123.

The magnetic surveys established the Maxmin responses occurred in areas having low magnetic total fields with many responses being at the edge between magnetic lows and magnetic highs. The lack of positive magnetic signatures indicate the EM responses lack significant magnetite and pyrrhotite. This indicates the strong bedrock EM responses are the result of pyrite and/or graphite mineralization. The magnetic lows associated with EM responses could be related to destructive alteration that represents gold targets. The trends of magnetic lows appear to be at low angle to the EM responses indicating priority areas within EM responses can be identified using the magnetic survey. It is possible only portions of the EM sources have been subjected to alteration that could host gold.

Magnetic lows due to alteration that lack EM responses are prime gold targets as well.

The use of magnetic signatures is a valuable tool in projecting known alteration zones and prioritizing advanced exploration targets, but the absence of an identifiable response should not exclude a target from exploration. Incomplete alteration, narrow target zones, zones having post ore diking and magnetic till can mask identifiable responses.

M. RECOMMENDATIONS

The 50 metre spaced grids should be extended to cover the remainder of the property. The MaxMin and magnetic surveys and mapping should be extended over this expanded grid. Humus geochemical program should be conducted to locate areas that host gold mineralization. Samples should be collected at 100 m intervals along all lines with sample densities increased to 25 m in alteration areas, near conductors and on the projection of known faults. Also character samples of each altered outcrop area should be sampled for gold.

Follow up power stripping by backhoe excavator should be utilized to extend alteration zones along strike and expose the full width of alteration zones which are commonly centred in depressions with alteration exposed only at the base of slopes on either side. OP EM conductors lacking IP responses should also be power stripped to determine their source.

Diamond drilling should be employed to test the best geological and geochemical targets with emphasis on those zones having best Au values. The intersection of alteration and mineralized zones with EM conductors are also a preferred drill target. All drill casings should be left in the holes as the close proximity of numerous zones make it viable to extend holes to test additional zones. The conductors represent only a portion of the targets as gold bearing alteration zones and quartz veins are poor conductors.

The following table lists potential drill holes.

Collar Coordinates	Length	Azimuth	Dip	Target
2700E-160N	125m	180°	45°	Conductor K, extension of major fault and alteration, and area of flat mag, possible extension.
2700E-065S	50m	180°	45°	Area of talus (intense alteration) south of lineament, possible extension.
2700E-065S	200m	0°	45°	projection of major fault and associated alteration, possible extension.
2550E-095N	100m	180°	45°	major fault and associated alteration and gold values, possible extension.
2500E-105S	100m	0°	45°	Conductor L, extension of major fault and alteration zone and extension of alteration zone from south-east, possible extension.
2475E-065N	60m	180°	45°	Projection of fault and alteration, possible extension.
2650E-358N	75m	180°	45°	Quartz vein, alteration and possible magnetic anomaly, possible extension.
2500E-285N	120m	180°	45°	Conductor M and projection of quartz vein, possible extension.

N. LIST OF HOLDER and CO-HOLDERS

SE and NW Groups (D. Robinson)
Douglas R. Robinson
Box 218
Swastika, Ontario
P0K 1T0

O. LIST OF REFERENCES

EBY TOWNSHIP

Cooke, H. C.
1922: MEMOIR 131 - Canada Department of Mines; Kenogami, Round, and Larder Lake Areas, Timiskaming District, Ontario.

Lovell, H. L.
1972: Geological Report 99 - Ontario Department of Mines Preliminary Geology of the Eby and Otto Area, District of Temiskaming

Thomson, J. E.
1948: Geology of Teck Township and the Kenogami Lake Area, Kirkland Lake Gold Belt, Ontario Department of Mines Annual Report for 1948, Volume 57, Part 5, 196p.

Map 1946-1 - Kenogami Lake Area; parts of Grenfell and Eby Townships

Map P. 448 - Ontario Department of Mines Preliminary Geological Map No. P. 448; Eby Township.
Scale 1 inch = 1/2 mile

Map P. 903 - Preliminary Map P.903; Kirkland Lake Data Series; Eby Township.
Scale 1 : 15 840

Map P. 2268 - Ontario Geological Survey Preliminary Map P.2268 Kirkland Lake Area; Eby Township; Airborne Electromagnetic Survey.

Map P. 2268 - Ontario Geological Survey Preliminary Map P.2268; Kirkland Lake Area; Eby Township; Airborne Electromagnetic Survey; Total Field Magnetic Survey.
Scale 1 : 20 000

CERTIFICATE

I, Douglas Robinson, of 24 Victoria Avenue Swastika, Ontario, hereby certify that:

1. I am a registered professional Engineer of Ontario engaged in my profession for approximately 19 years.

2. I am a graduate of Queen's University in Kingston Ontario with an Honours Bachelor of Science degree in Geological Engineering and
Northern College, School of Mines in Haileybury, Ontario with a Mining Technician Certificate.

3. I personally supervised the EM and magnetometer surveys claimed in this report.

4. I personally conducted all mapping and sampling claimed in this report.

5. I authored this report.

6. My knowledge exploration procedures was acquired through 20 years employment in the mining industry.

7. My knowledge of the properties was acquired by personally mapping the property and reviewing MNDM assessment reports.

Douglas Robinson, P. Eng
January 2, 1996.

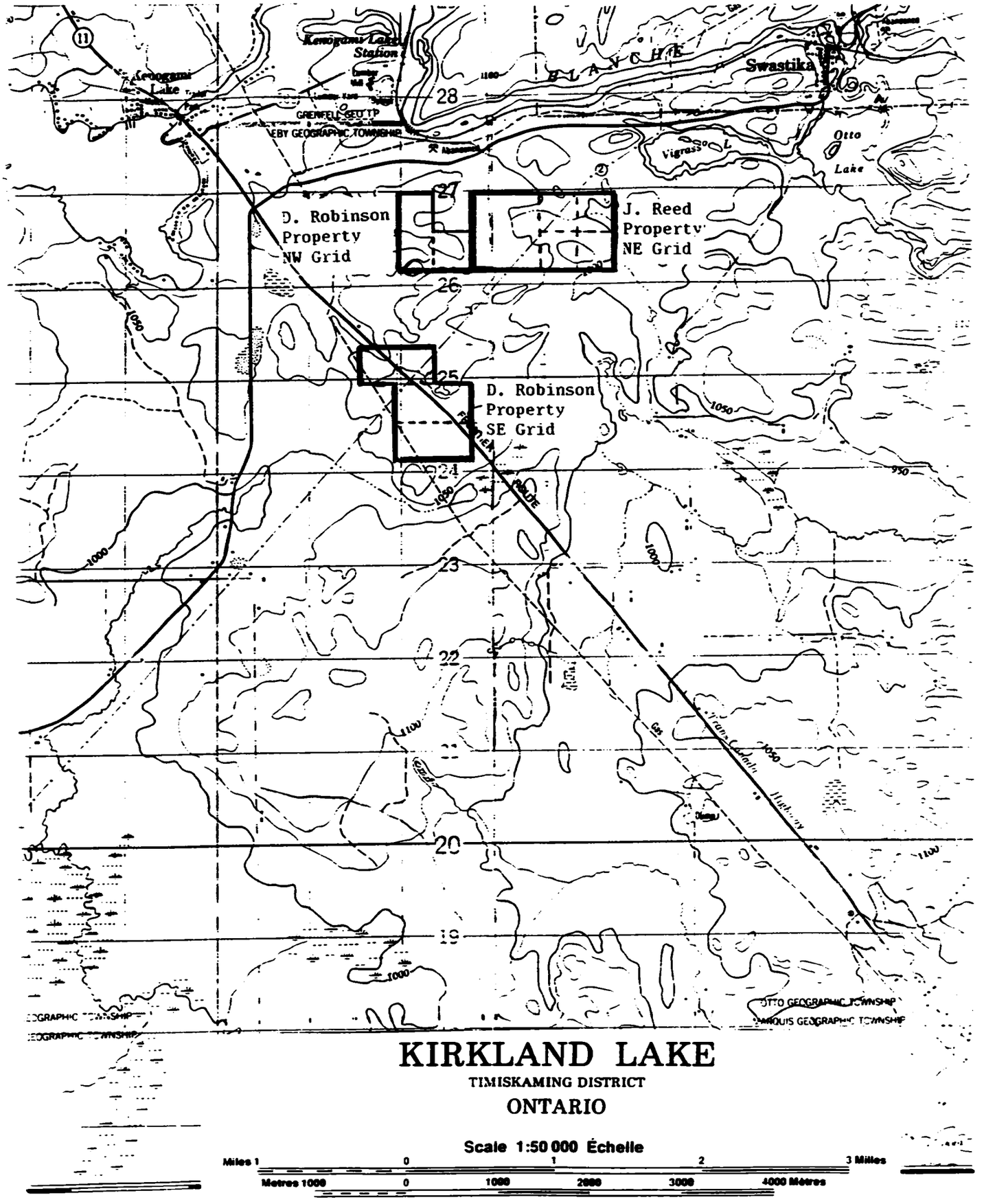


Figure 1. General Location of Claim Groups

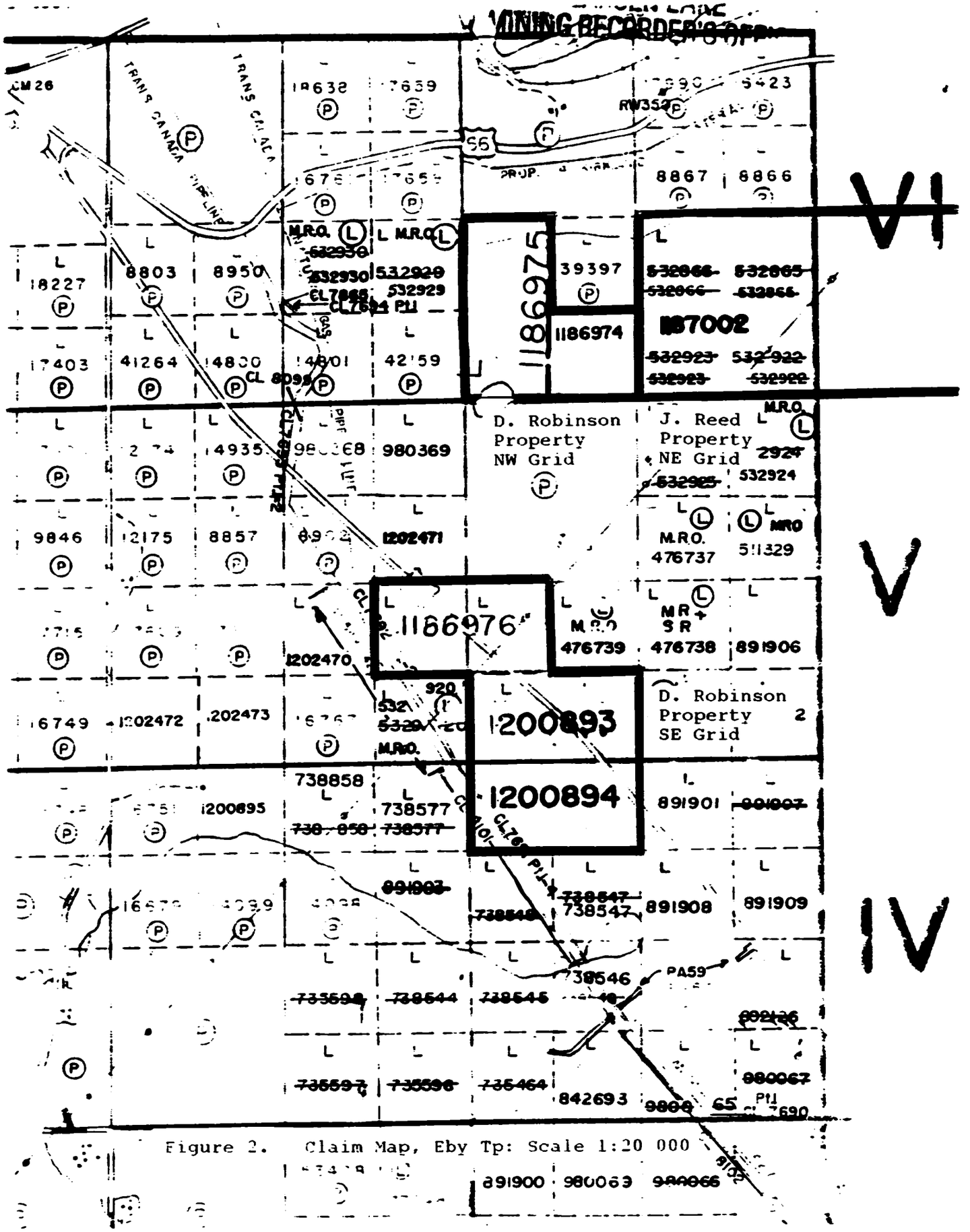


Figure 2. Claim Map, Eby Tp: Scale 1:20 000

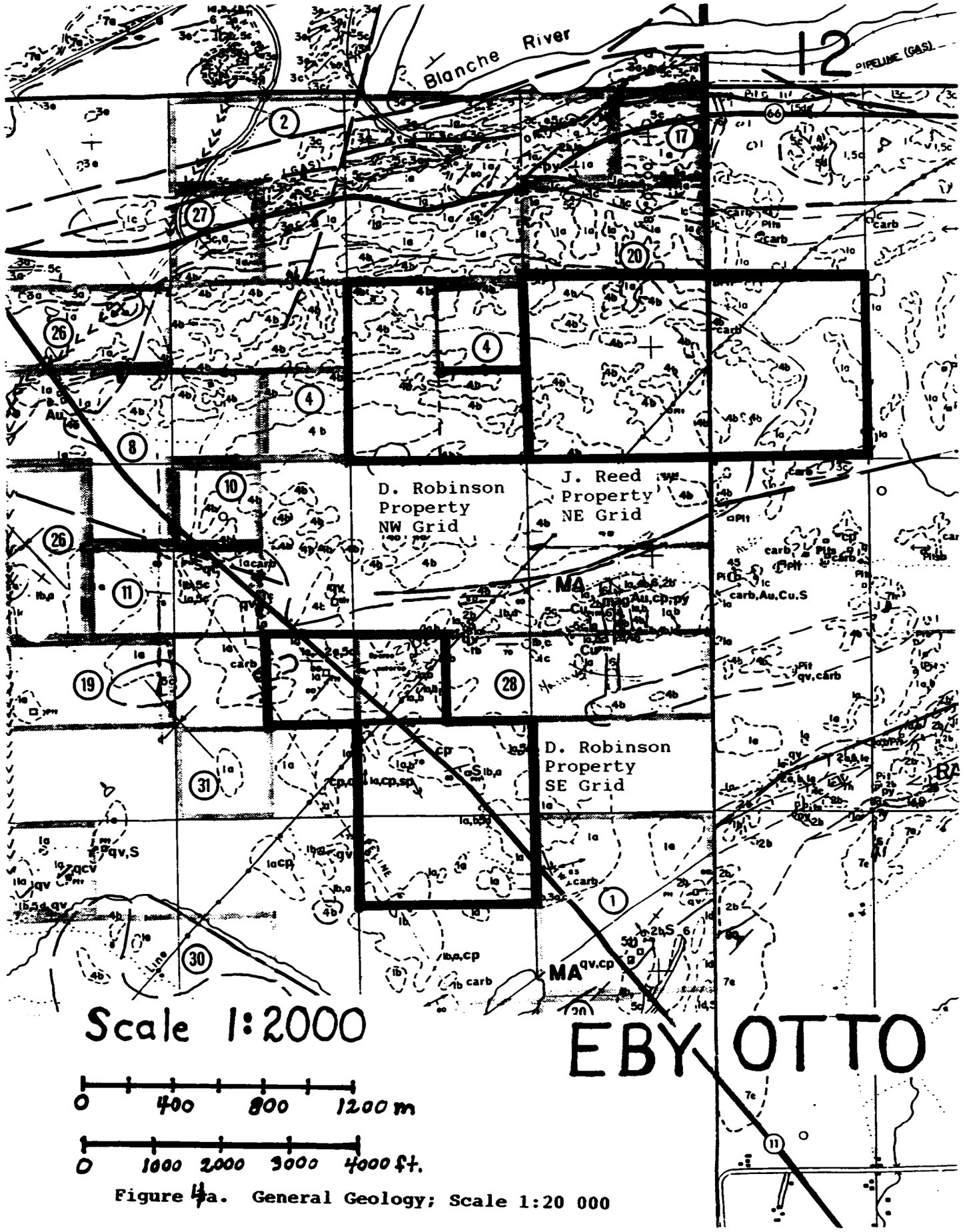


Figure 4a. General Geology; Scale 1:20 000

Map P. 448 - Ontario Department of Mines Preliminary Geological Map
No. P. 448; Eby Township.
Scale 1 inch = 1/2 mile

LEGEND

PRECAMBRIAN

PROTEROZOIC

8 MAFIC INTRUSIVE ROCKS

HURONIAN

COBALT GROUP

7 GOWGANDA FORMATION

ARCHEAN

MAFIC INTRUSIVE ROCKS

6 Diabase

FELSIC INTRUSIVE ROCKS (ALGOMAN)

5c Syenite and Syenite Porphyry

5d Mafic syenite, lamprophyre, and hybrid syenite and country rocks

MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS (HAILEYBURIAN, EARLY ALGOMAN, AND SOME KEEWATIN)

4b Gabbro and Diorite

METASEDIMENTS (TIMISKAMING OR KEEWATIN)

3

FELSIC VOLCANIC ROCKS (KEEWATIN)

2a Rhyolite and dacite

MAFIC VOLCANIC ROCKS (KEEWATIN)

1a Basalt and andesite (pillowed and massive)

1b Mafic agglomerate and tuff

Figure 4b. General Geology; Legend

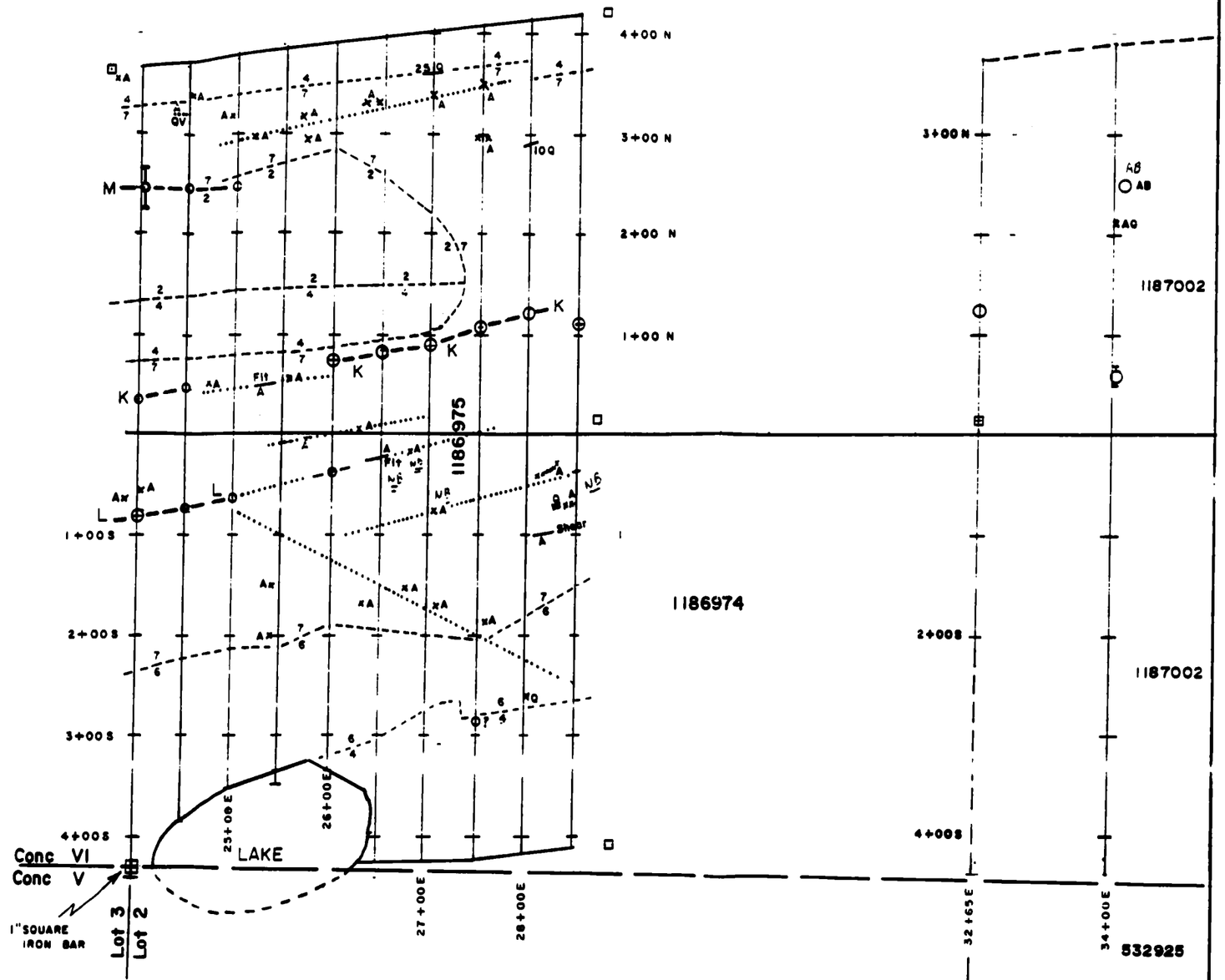
MaxMin Reference Map
Including GEOLOGY
EBY NORTH — WEST GROUP (D. Robinson)
Scale 1 : 5000

0 100 200 300 400m

N

xA — Fe Carbonate Alteration
Q — Quartz Vein
Oo — EM Response (MaxMin) Strong, Weak

7 Chlorite Alteration
6 Diorite
5 Hornblendite
4 Anorthosite
3 Fe Tholeiite
2 Mg Tholeiite
1 Komatiite



Supervision, Douglas Robinson Jan. 1, 1995

Figure 5

Reference Map
Including GEOLOGY
EBY SOUTH-EAST GROUP (D. Robinson)
Scale 1 : 5000

0 100 200 300 400m

..... x A – Fe Carbonate Alteration
Q – Quartz Vein

7 Chlorite Alteration
6 Diorite
5 Hornblendite
4 Anorthosite
3 Fe Tholeiite
2 Mg Tholeiite
1 Komatiite

N

Lot 3
Lot 2

1202471

1202470

1186976

HIGHWAY 11

POWER LINES

PIPELINE

PIPELINES

532920
(J. Reed)

545992
(J. Reed)

28+00 E
26+00 E
27+00 E
29+00 E
30+00 E

7+00 N
4+00N
3+00 N
2+00N
1+00 N
0+00 BL
1+00S
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0+00 N
1+00 S
2+00 S
3+00 S

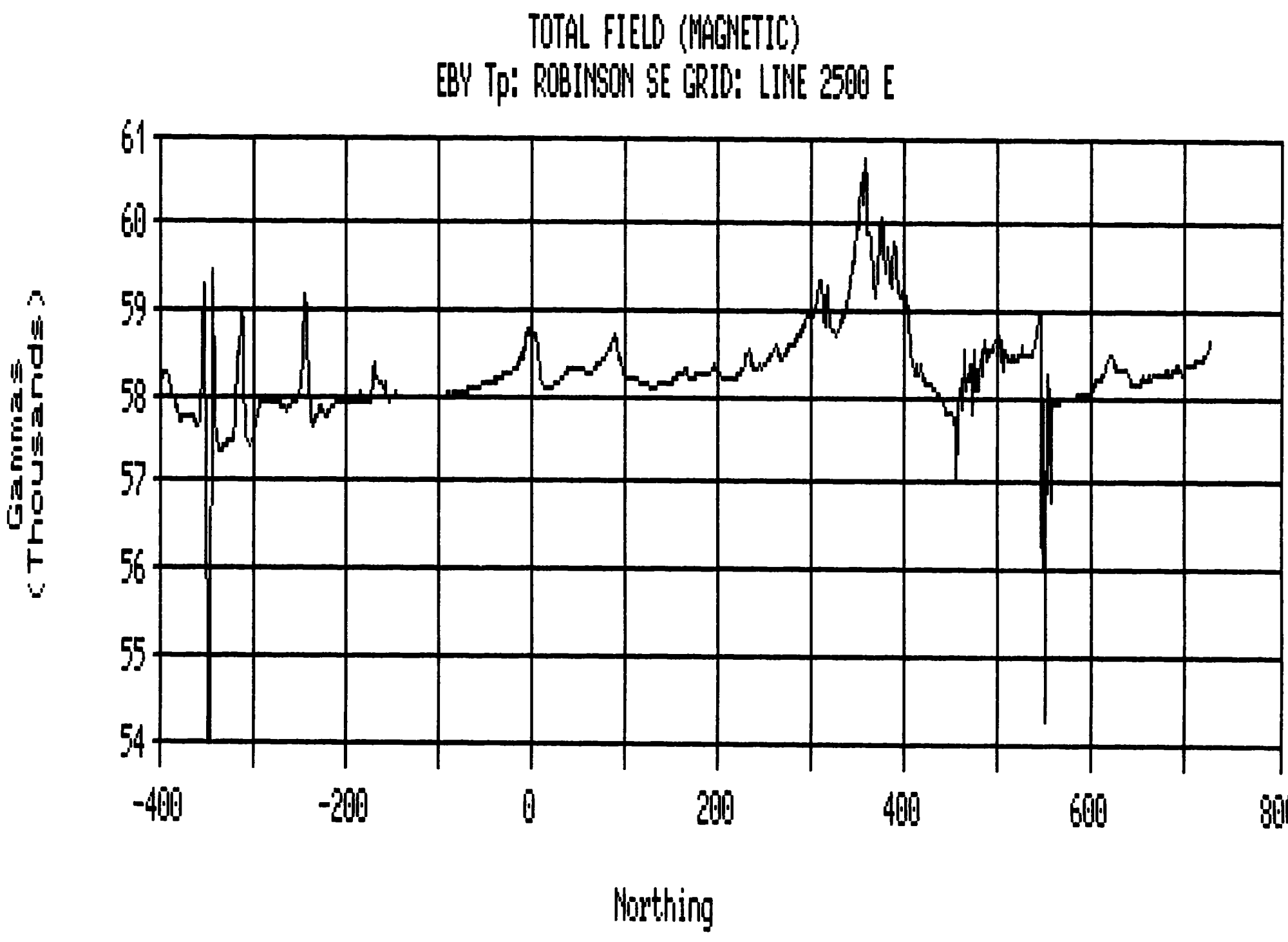
1200893
1200894

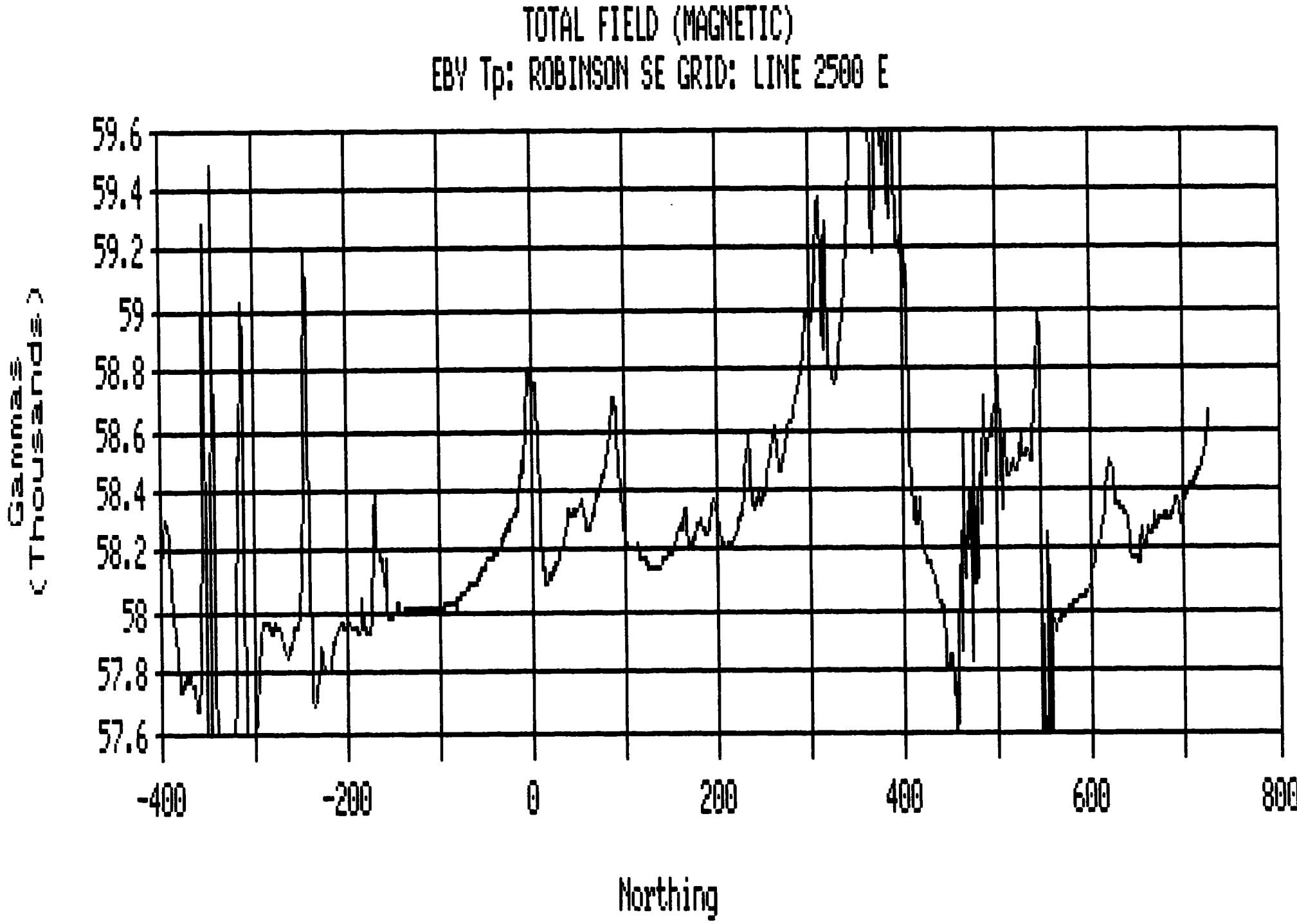
Conc V
Conc IV

S.Line

Jan.1, 1995
Supervision, Douglas Robinson

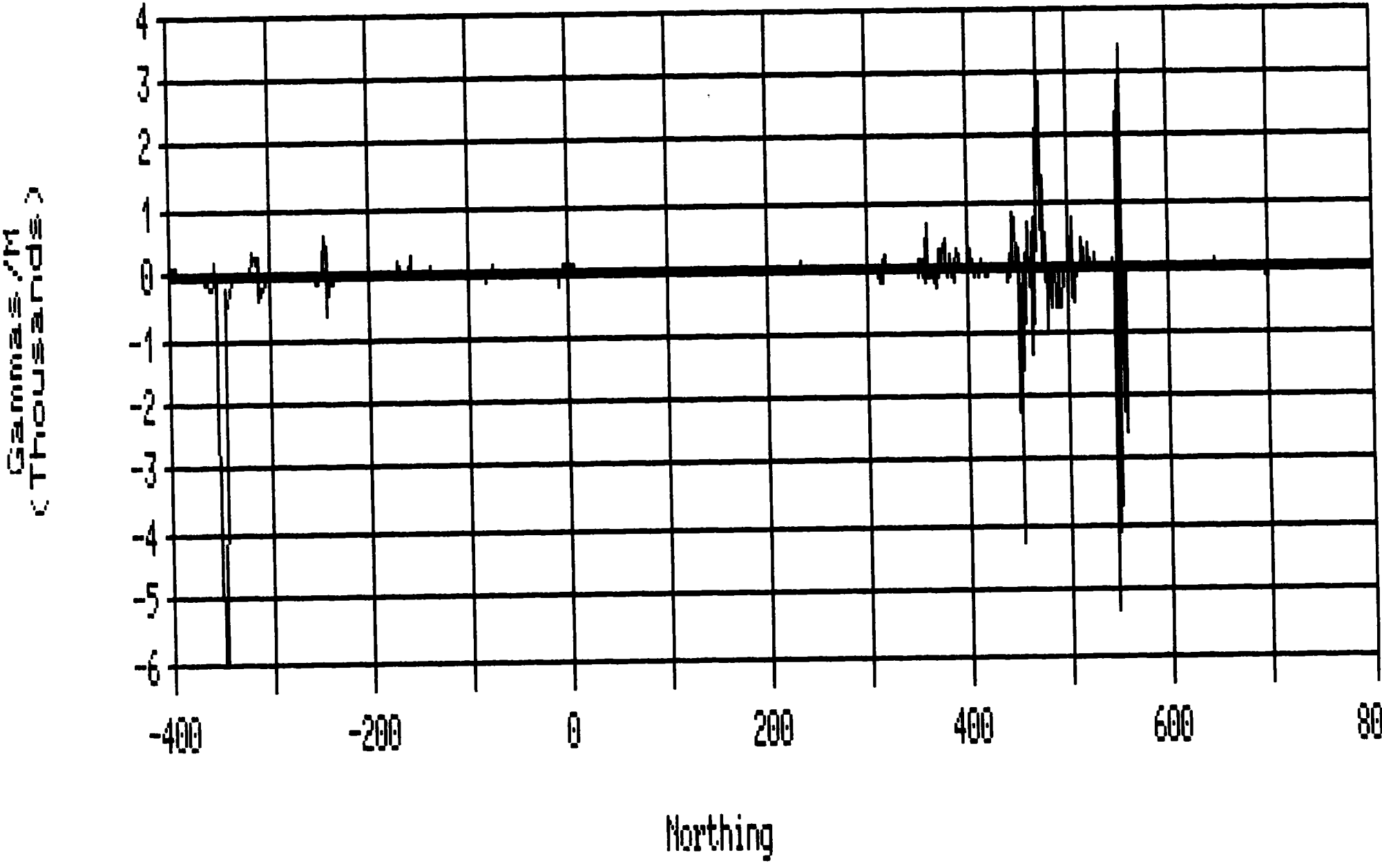
Figure 6

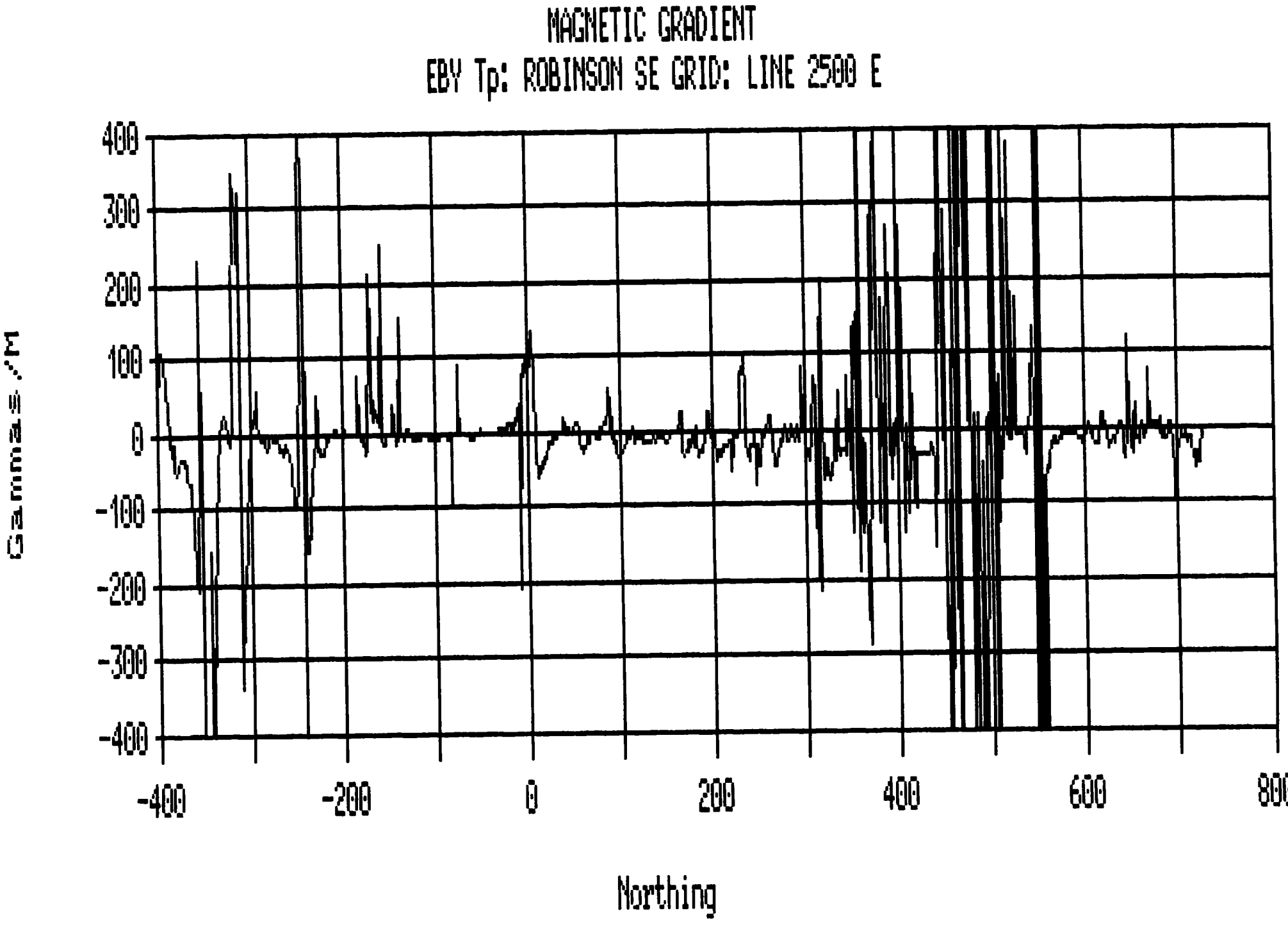

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2500 E
Gammas (Thousands)
61
60
59
58
57
56
55
54
-400
-200
0
200
400
600
Northing

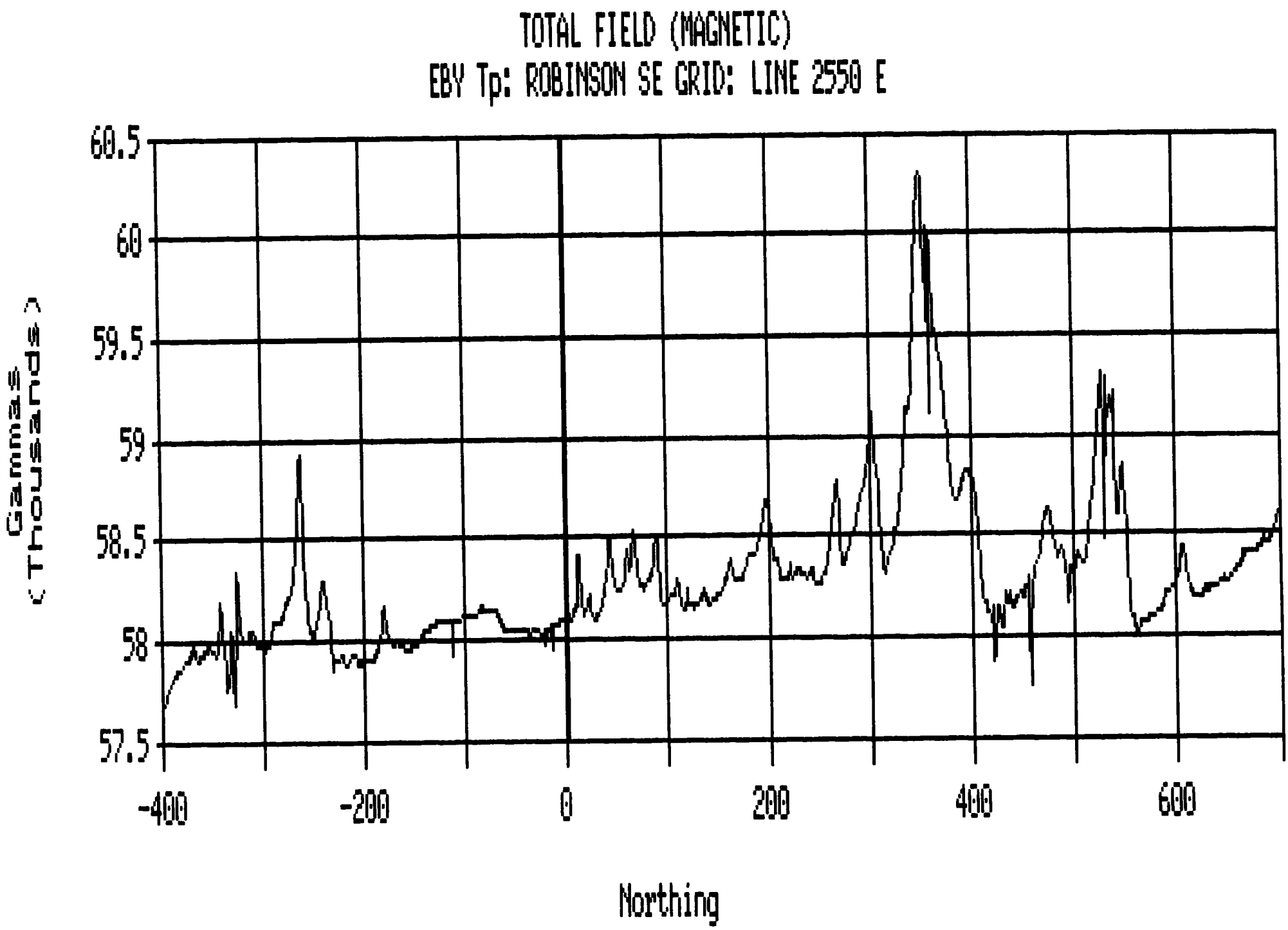

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2500 E
Gammas (Thousands)
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
57.8
57.6
-400
-200
0
200
400
600
800
Northing

MAGNETIC GRADIENT

EBY Tp: ROBINSON SE GRID: LINE 2500 E

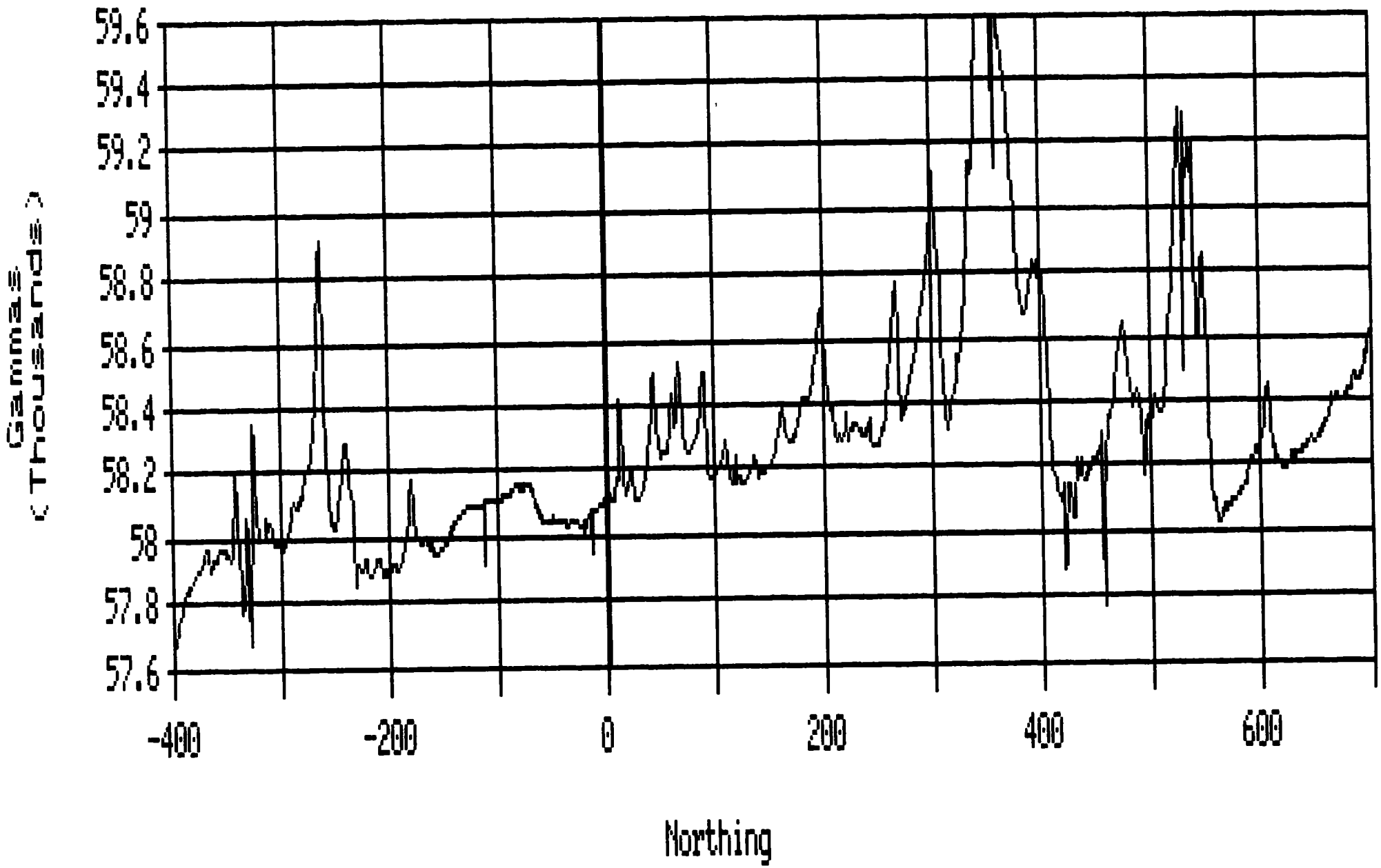


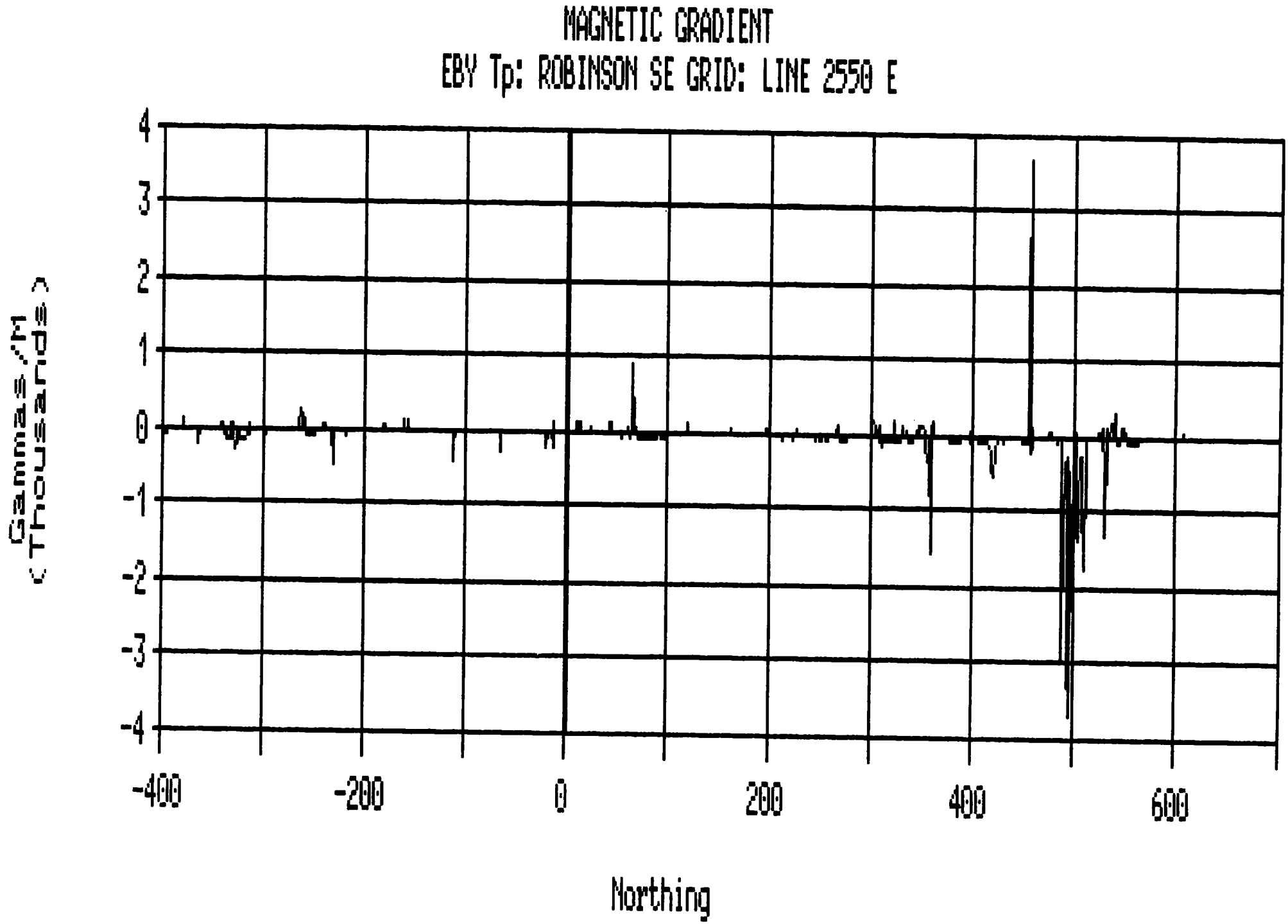

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2500 E
Gammas/M
400
300
200
100
0
-100
-200
-300
-400
-400
-200
0
200
400
600
Northing

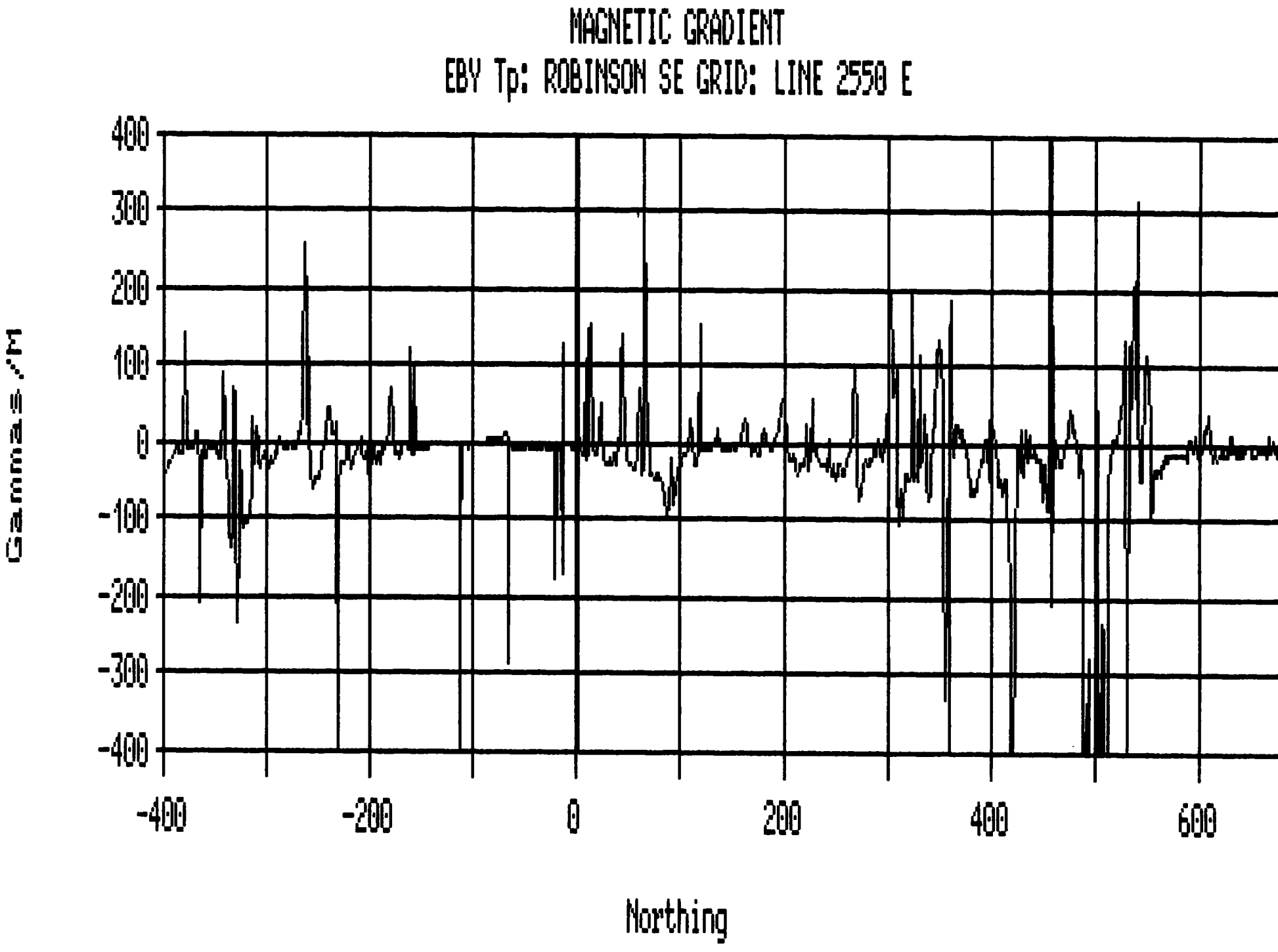

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2550 E
60.5
60
59.5
59
58.5
58
57.5
Gammas
(Thousands)
-400
-200
0
200
400
600
Northing

TOTAL FIELD (MAGNETIC)

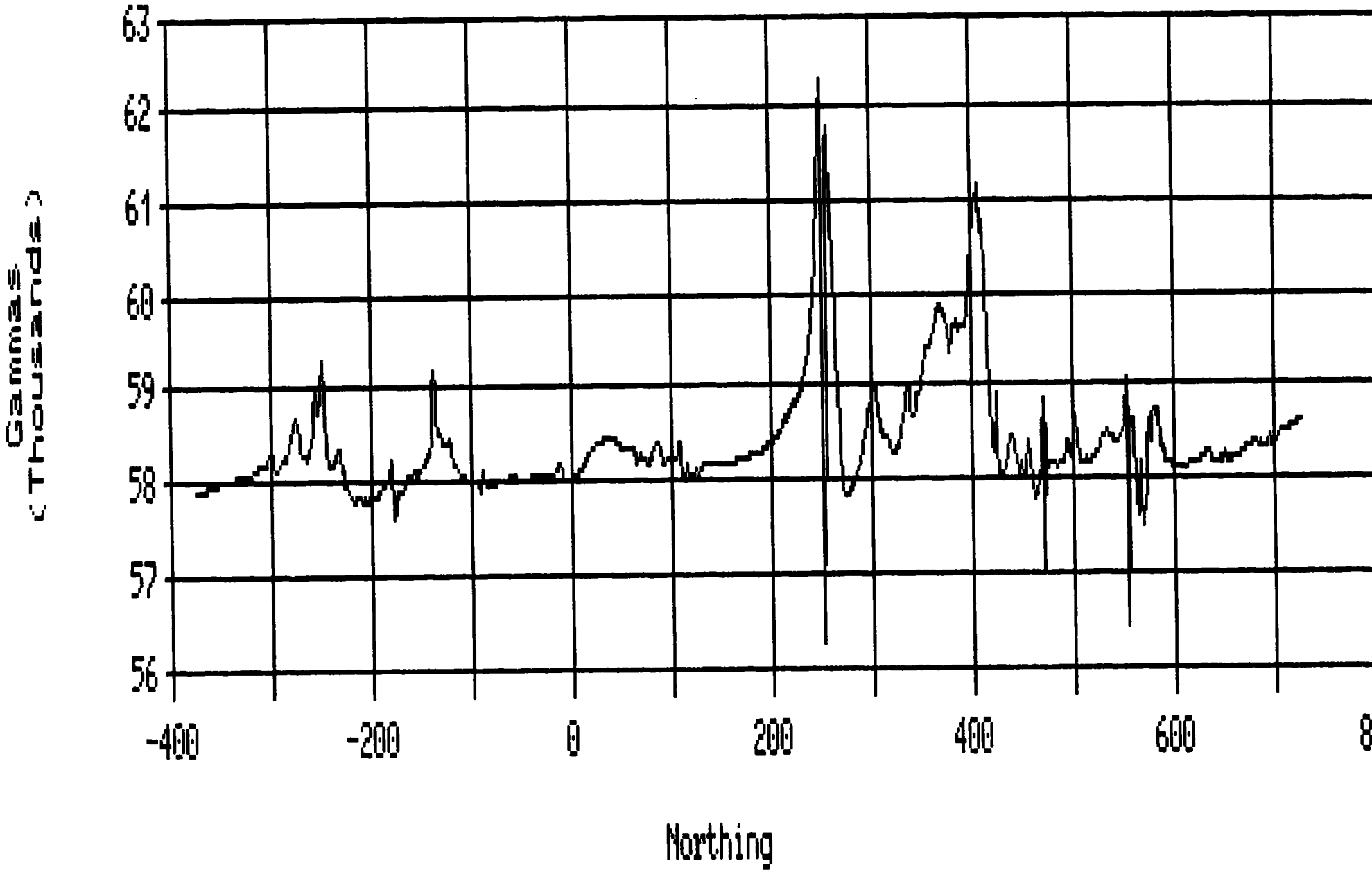
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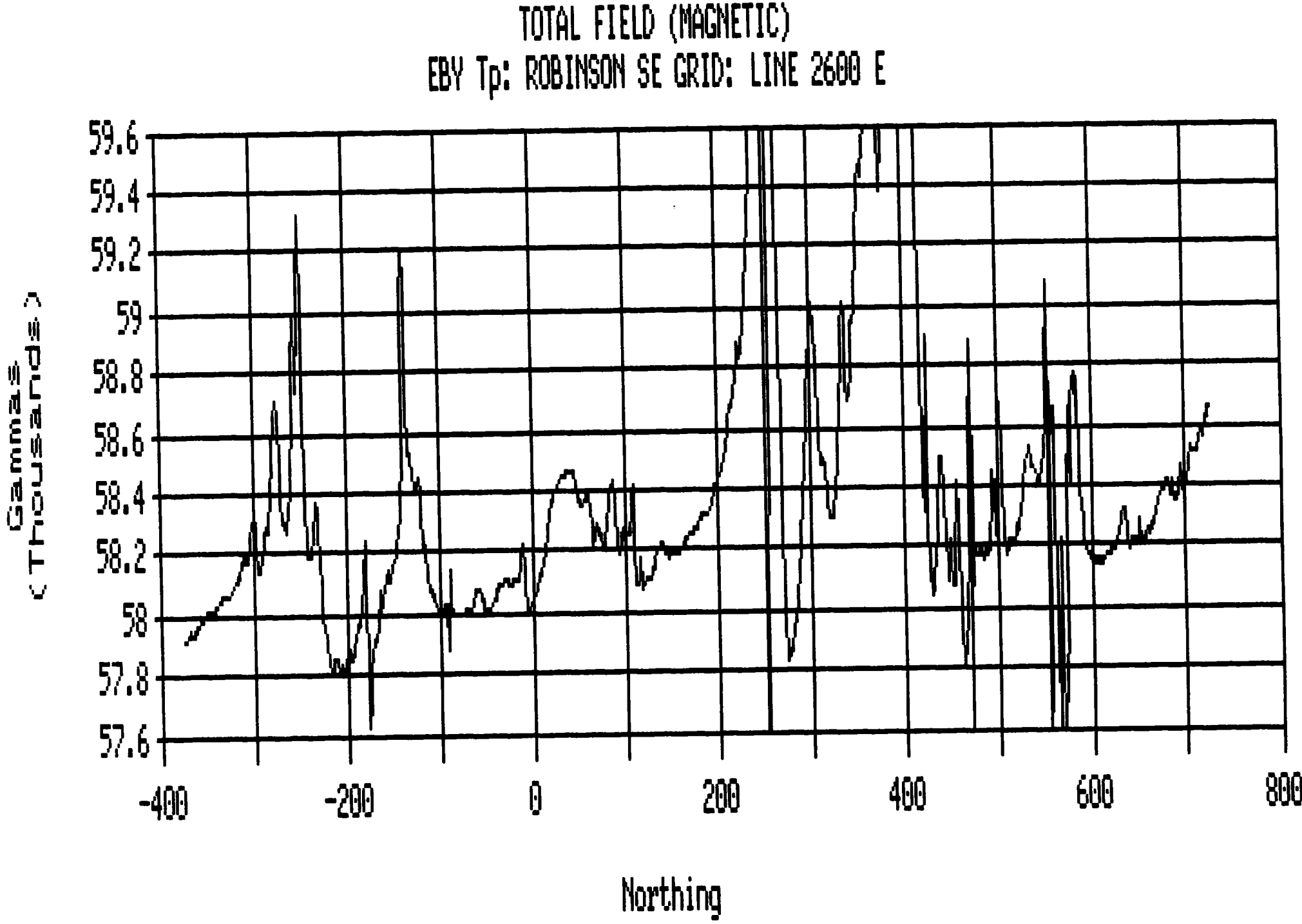


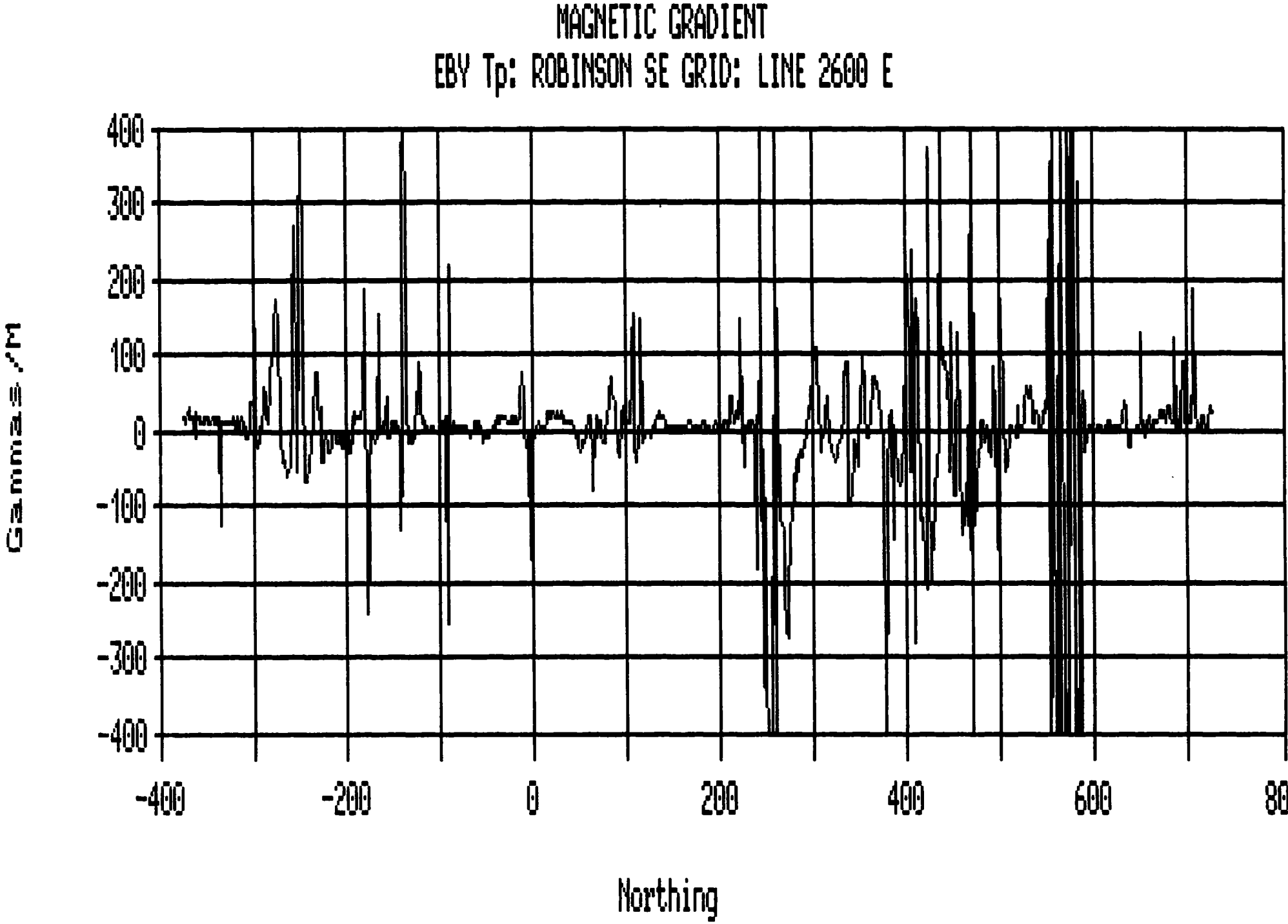

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2550 E
Gammas/M
(Thousands)
4
3
2
1
0
-1
-2
-3
-4
-400
-200
0
200
400
600
Northing

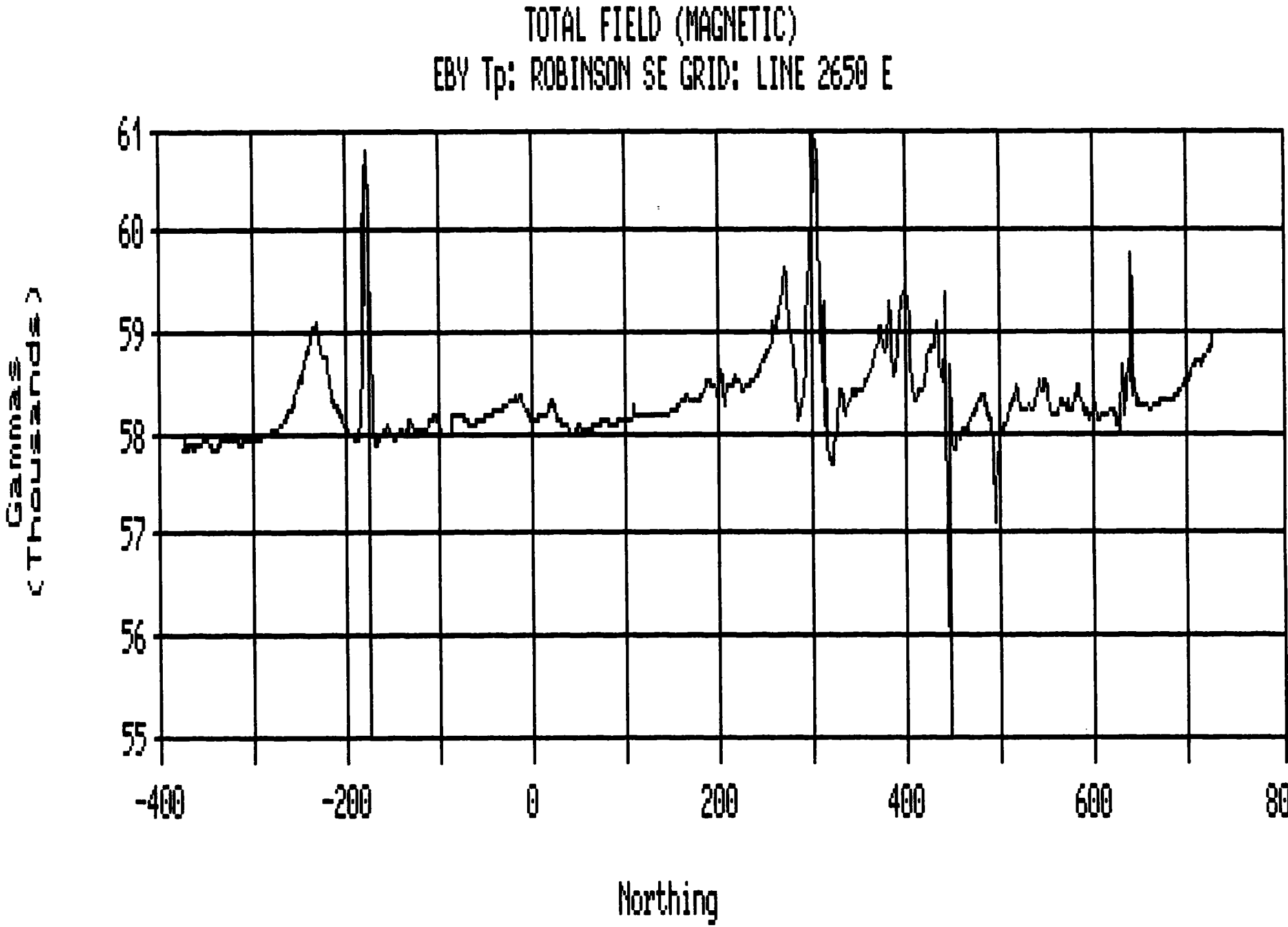

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2550 E
Gammas /M
400
300
200
100
0
-100
-200
-300
-400
-400
-200
0
200
400
600
Northing

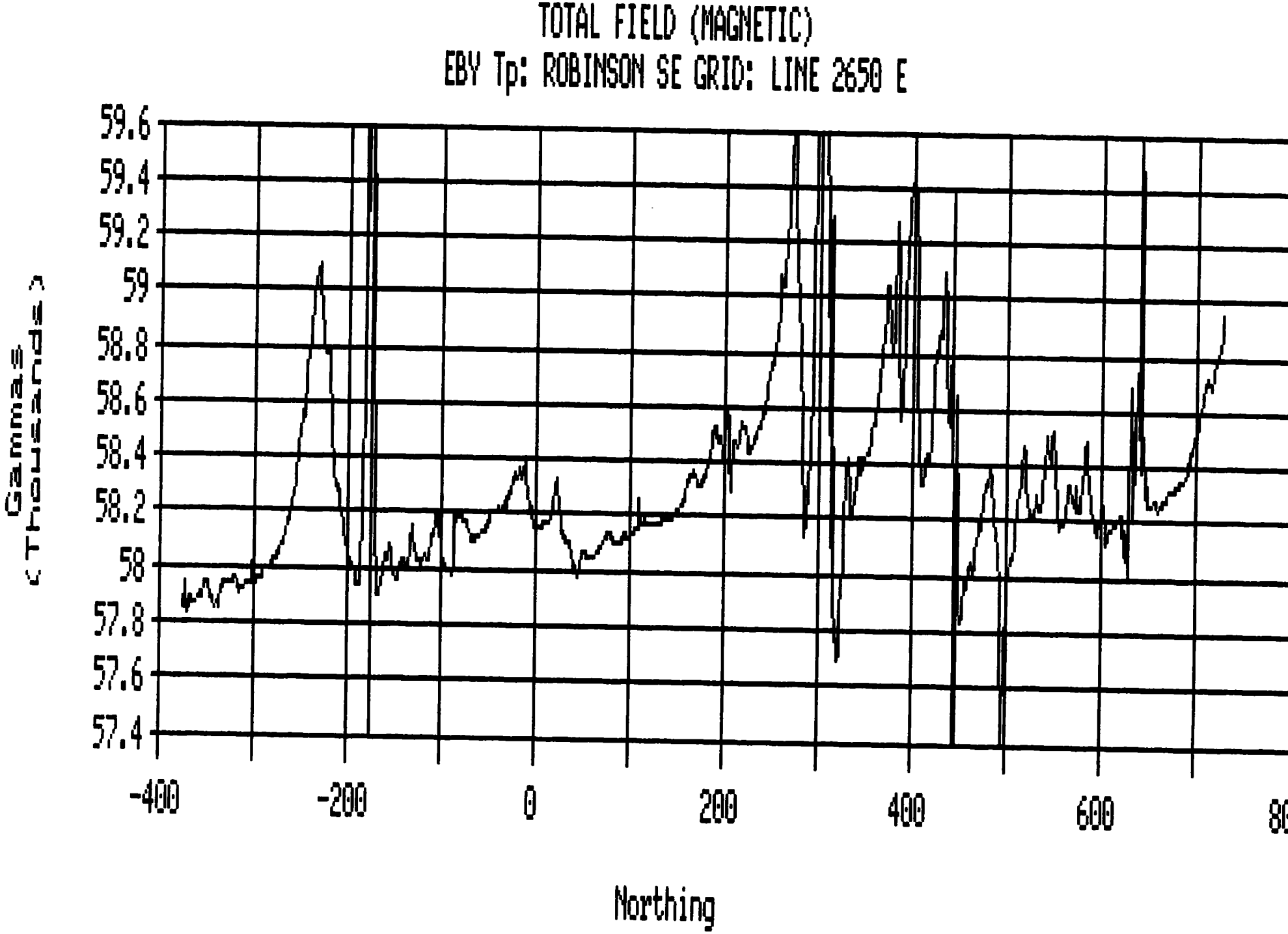
TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2600 E

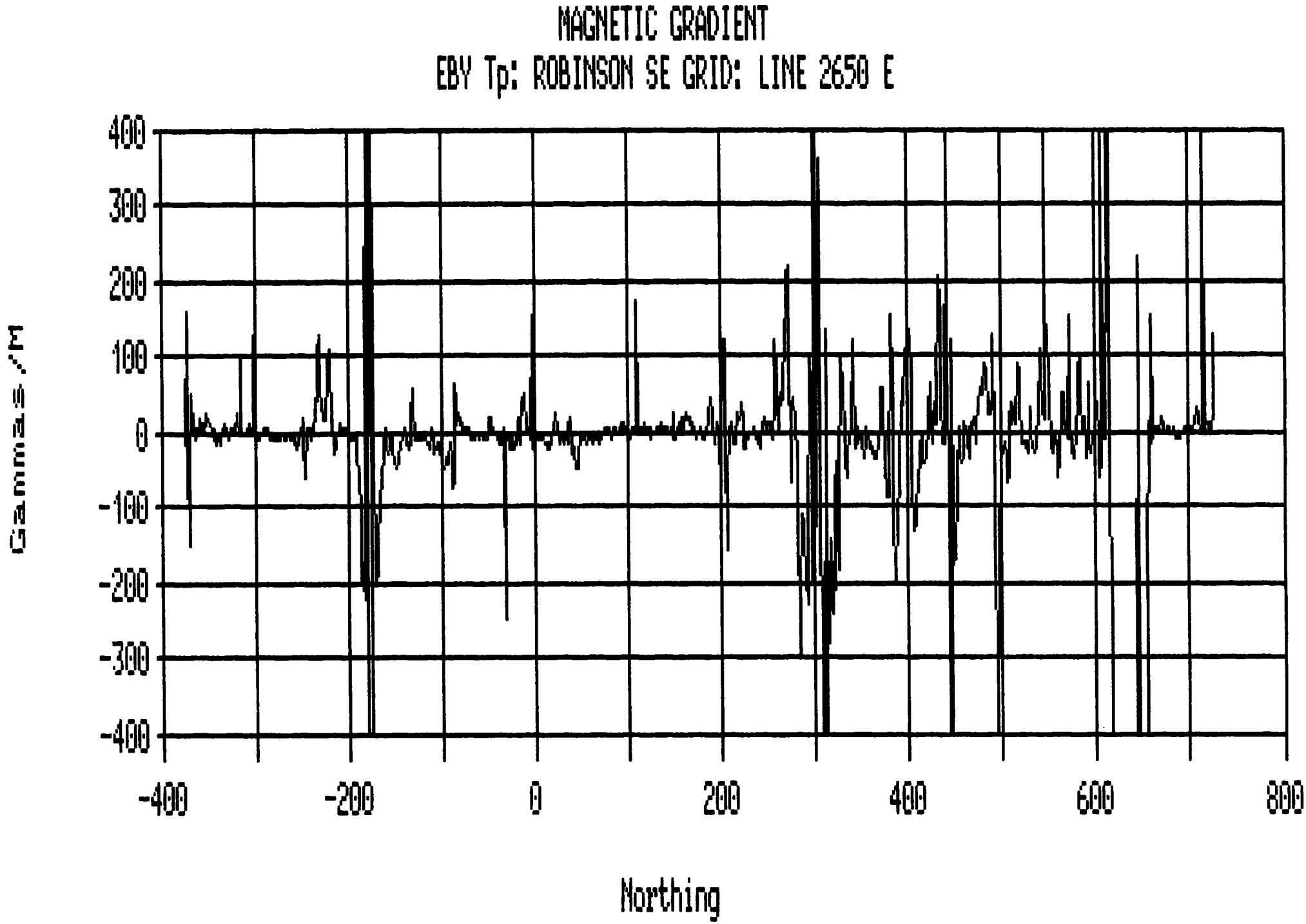



TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2600 E
Gammas (Thousands)
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
57.8
57.6
-400
-200
0
200
400
600
800
Northing


MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2600 E
Gammas/M
400
300
200
100
0
-100
-200
-300
-400
-400
-200
0
200
400
600
Northing

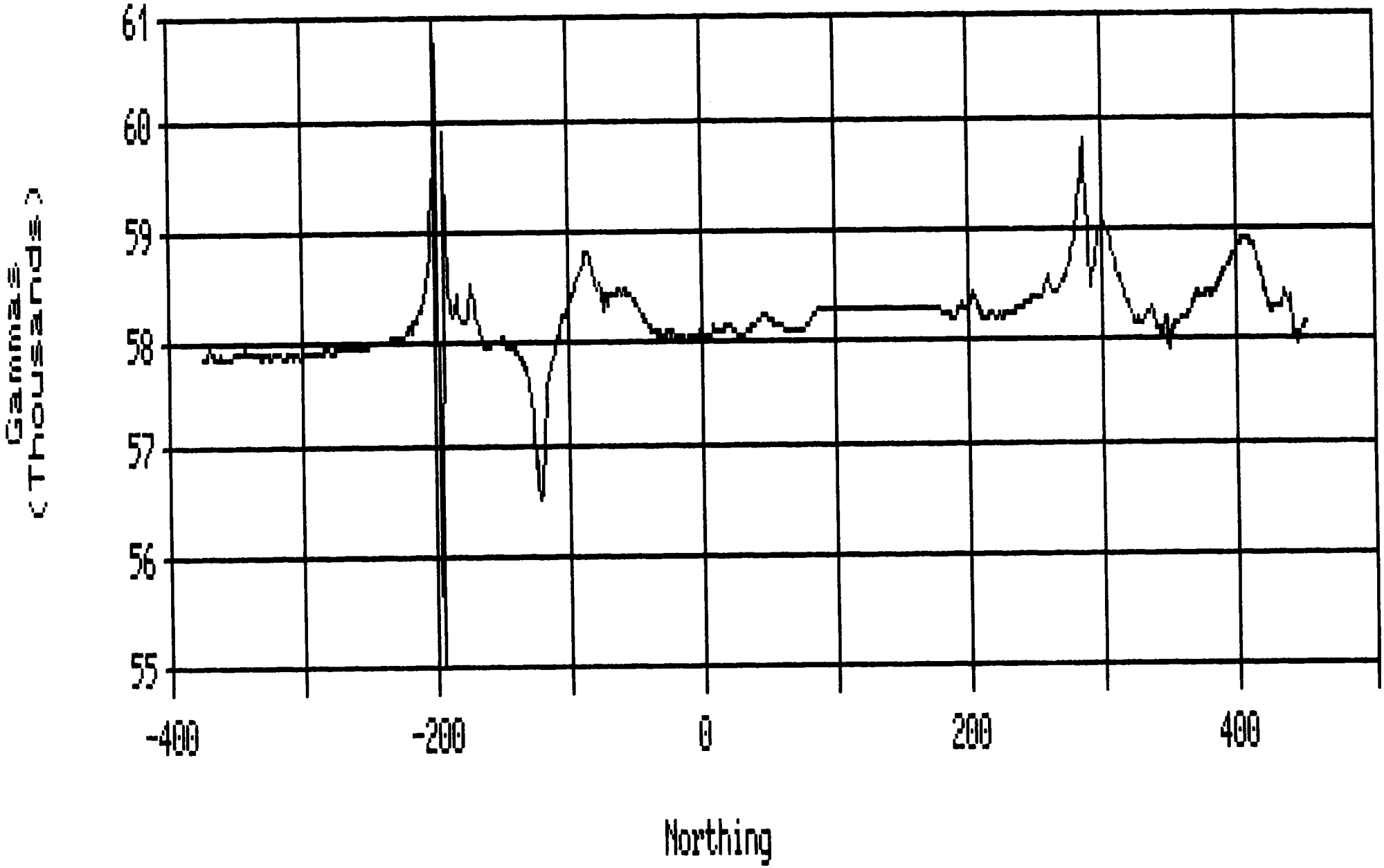

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2650 E
Gammas (Thousands)
61
60
59
58
57
56
55
-400
-200
0
200
400
600
Northing

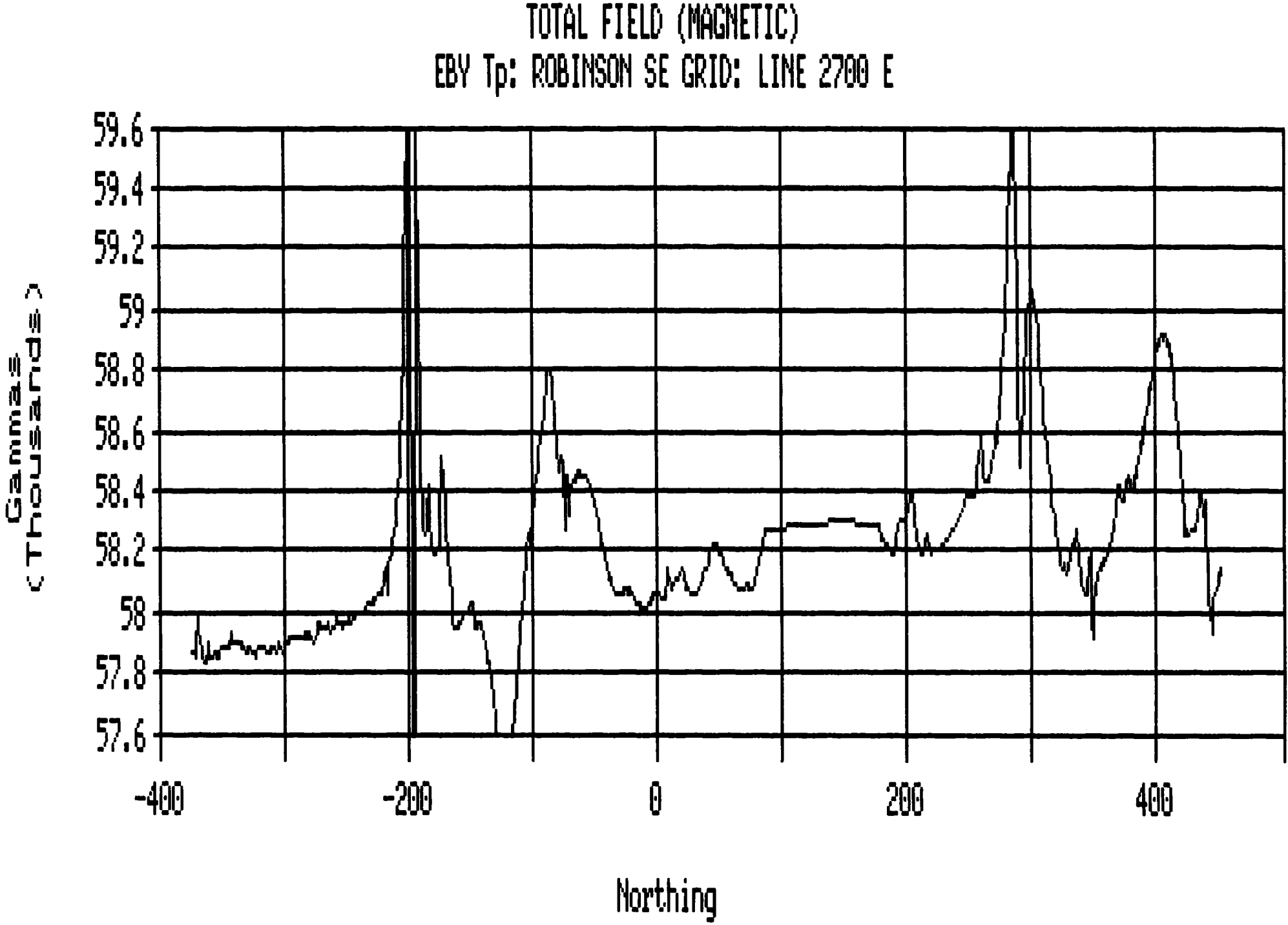

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2650 E
Gammas (Thousands)
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
-400
-200
0
200
400
600
Northing


MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2650 E
Gammas/M
400
300
200
100
0
-100
-200
-300
-400
-400
-200
0
200
400
600
800
Northing

TOTAL FIELD (MAGNETIC)

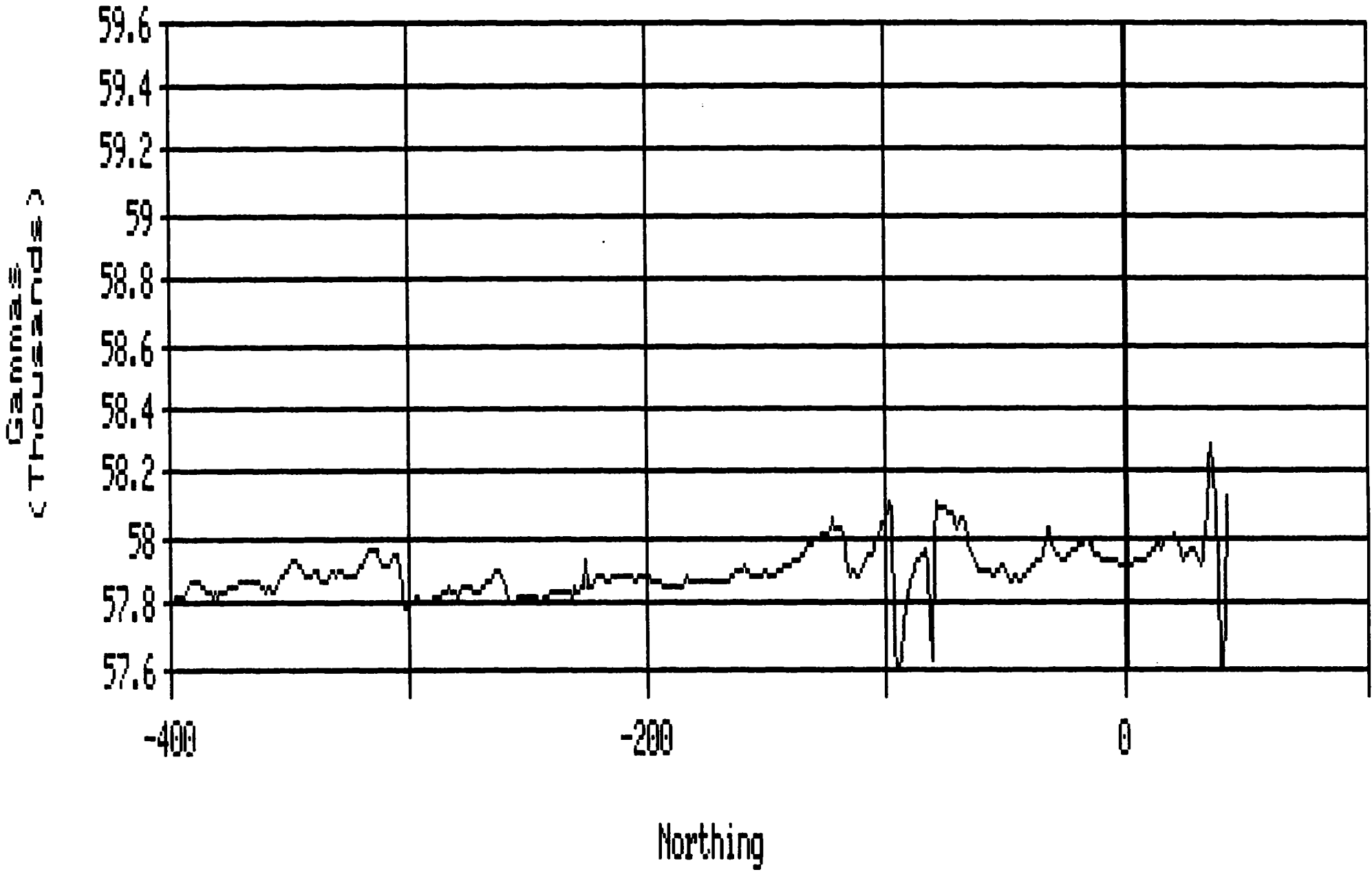
EBY Tp: ROBINSON SE GRID: LINE 2700 E

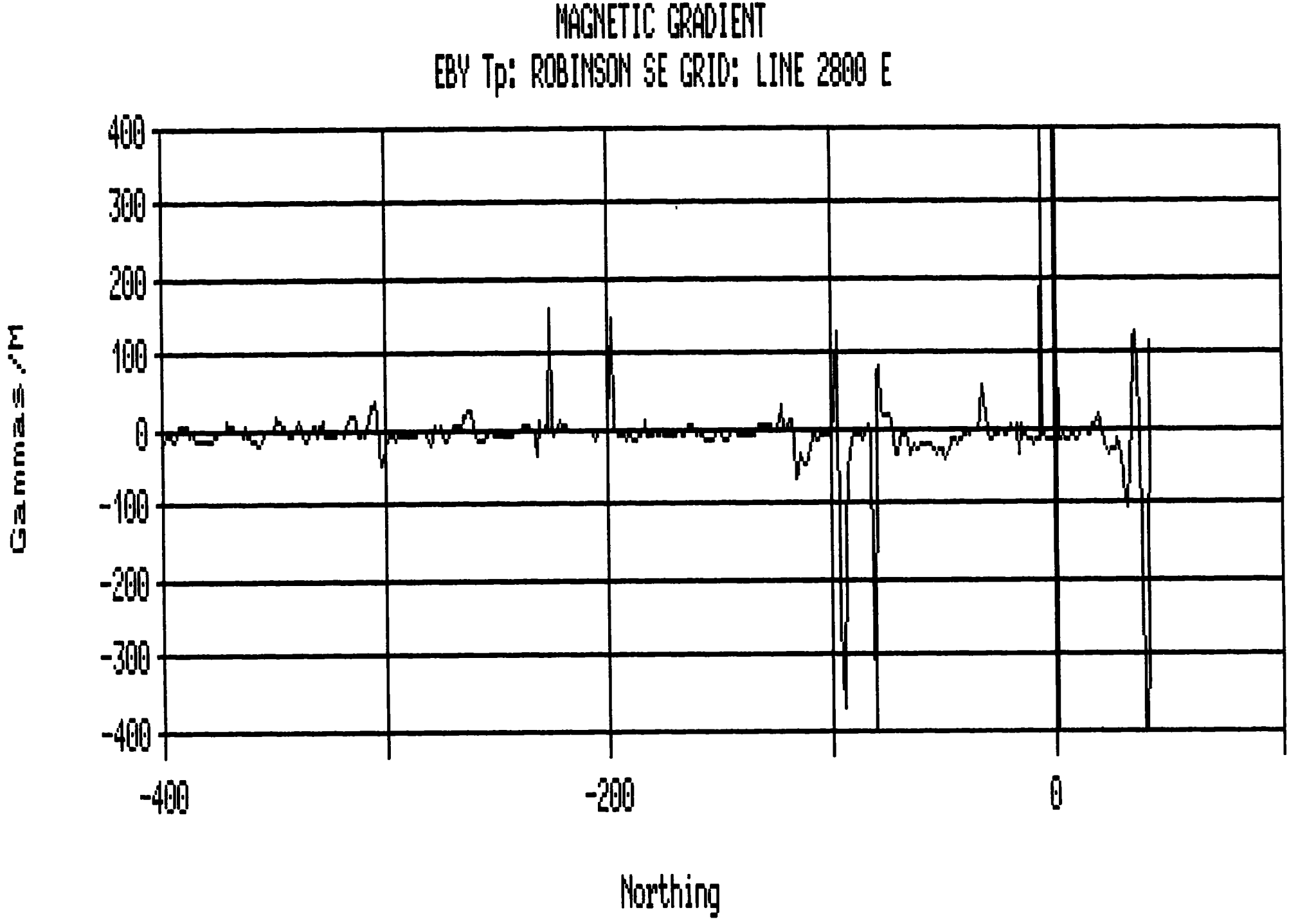


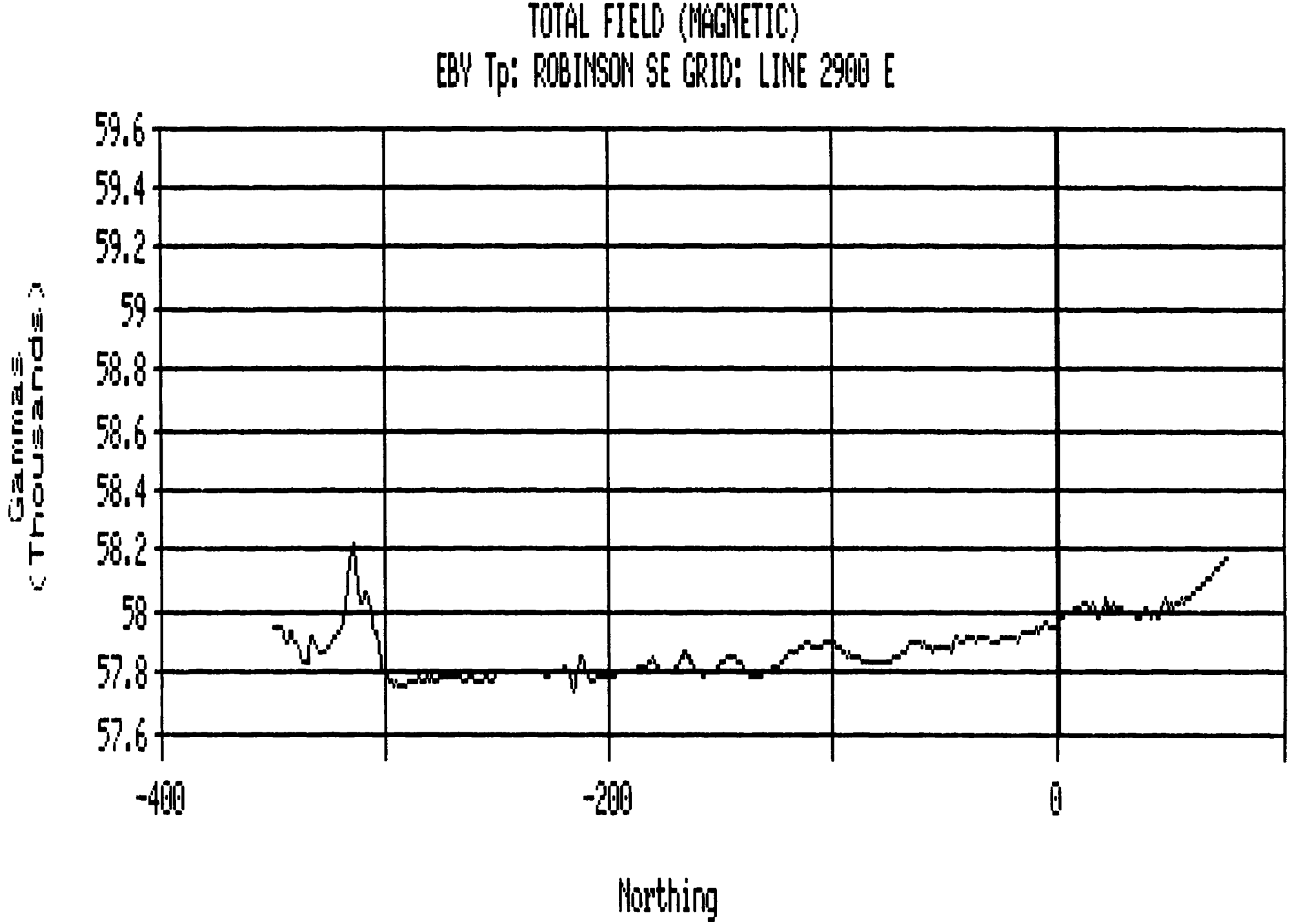

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2700 E
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
57.8
57.6
Gammas (Thousands)
-400
-200
0
200
400
Northing

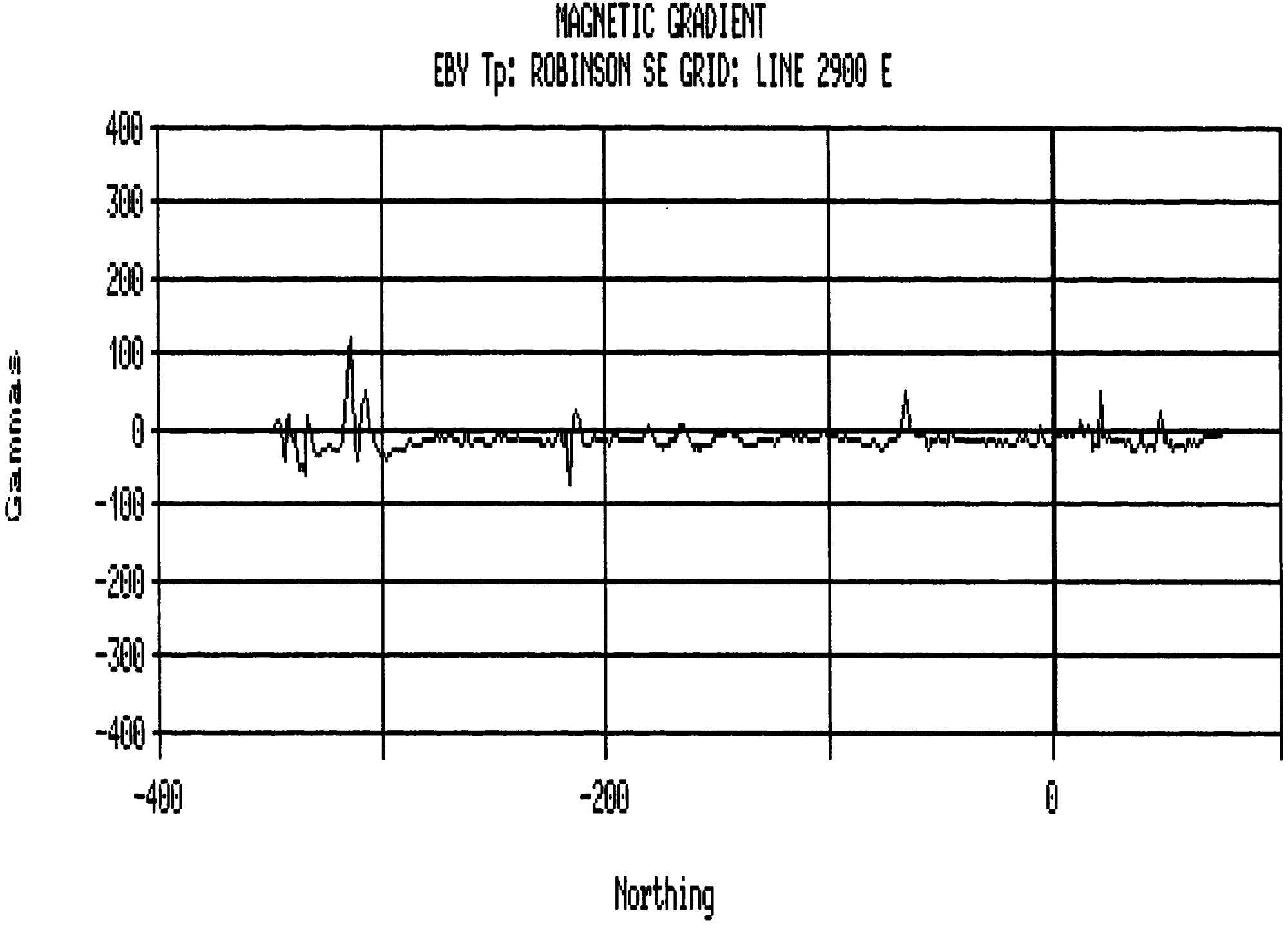
TOTAL FIELD (MAGNETIC)

EBY Tp: ROBINSON SE GRID: LINE 2800 E

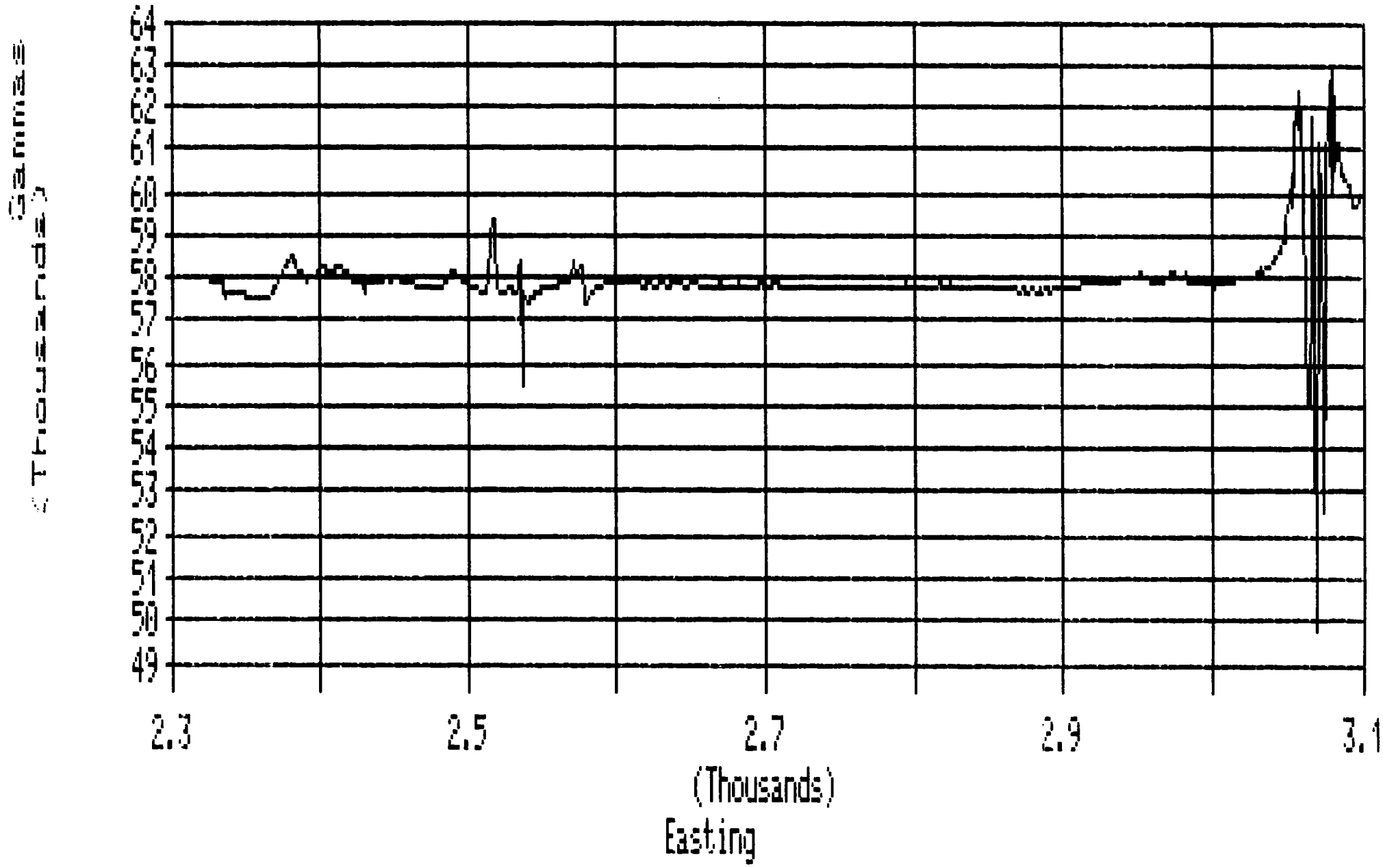


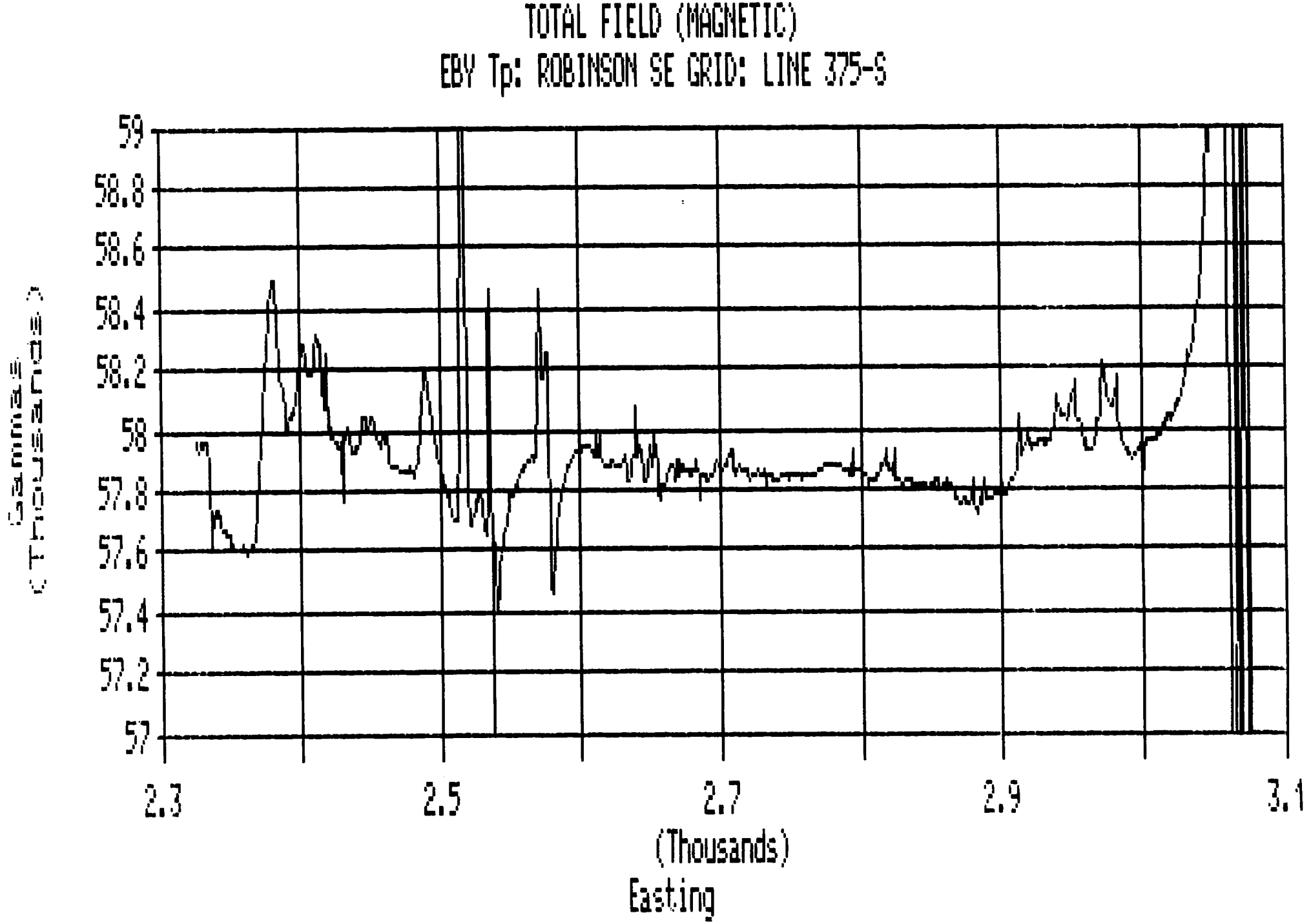

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2800 E
400
300
200
100
0
-100
-200
-300
-400
Gammas/M
-400
-200
0
Northing

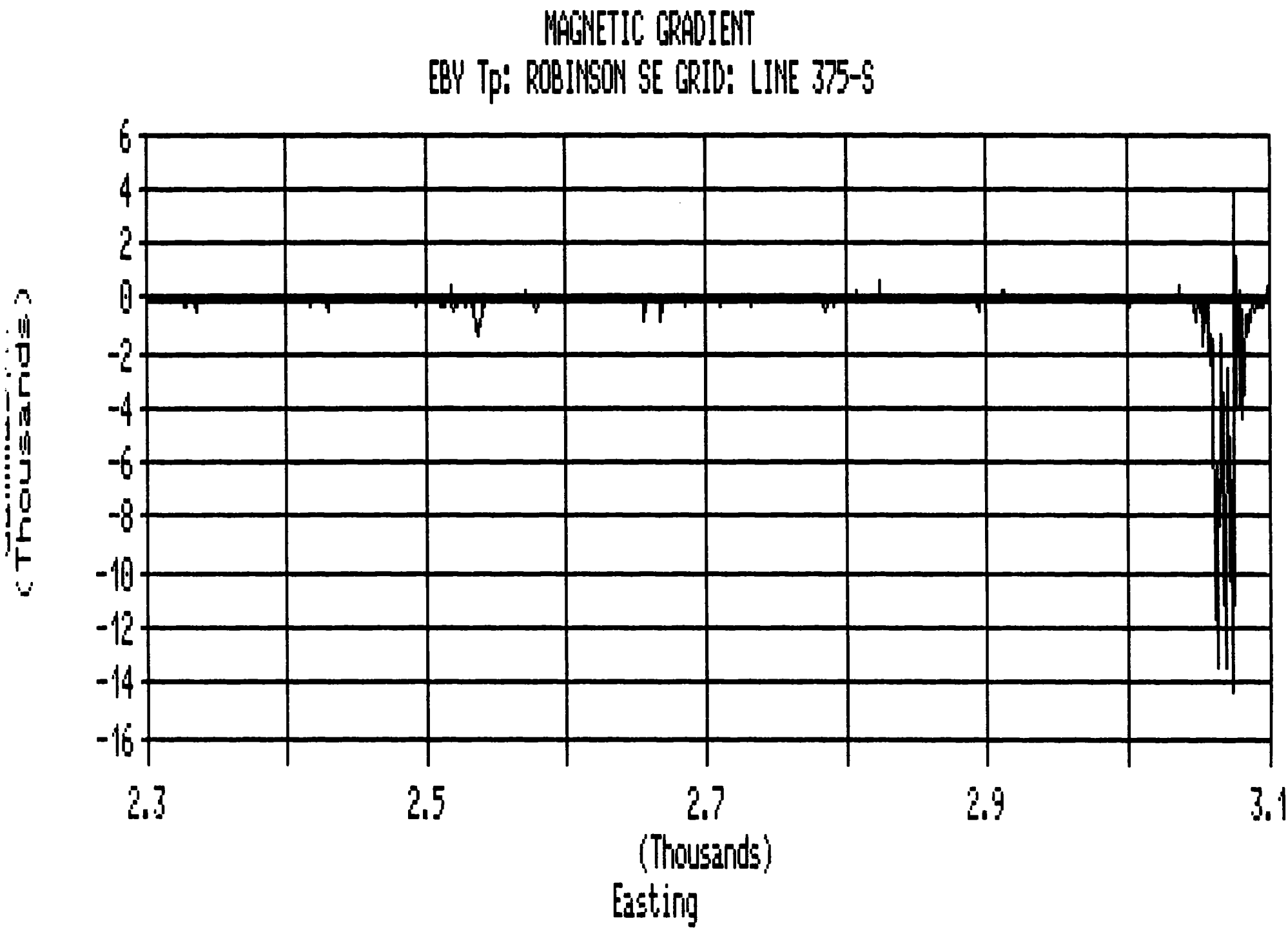

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 2900 E
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
57.8
57.6
Gammas
(Thousands)
-400
-200
0
Northing

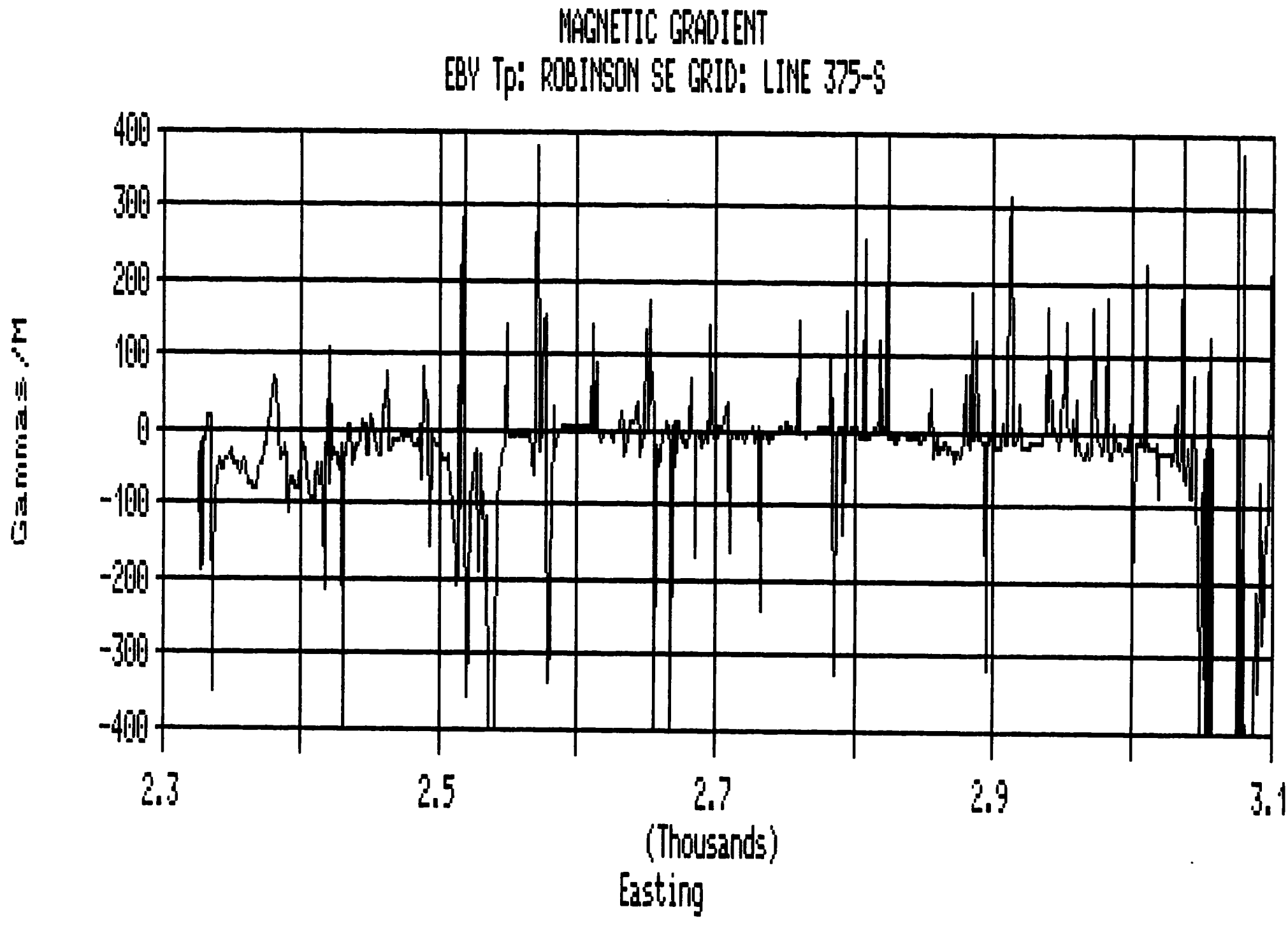

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 2900 E
400
300
200
100
0
-100
-200
-300
-400
Gammas
-400
-200
0
Northing

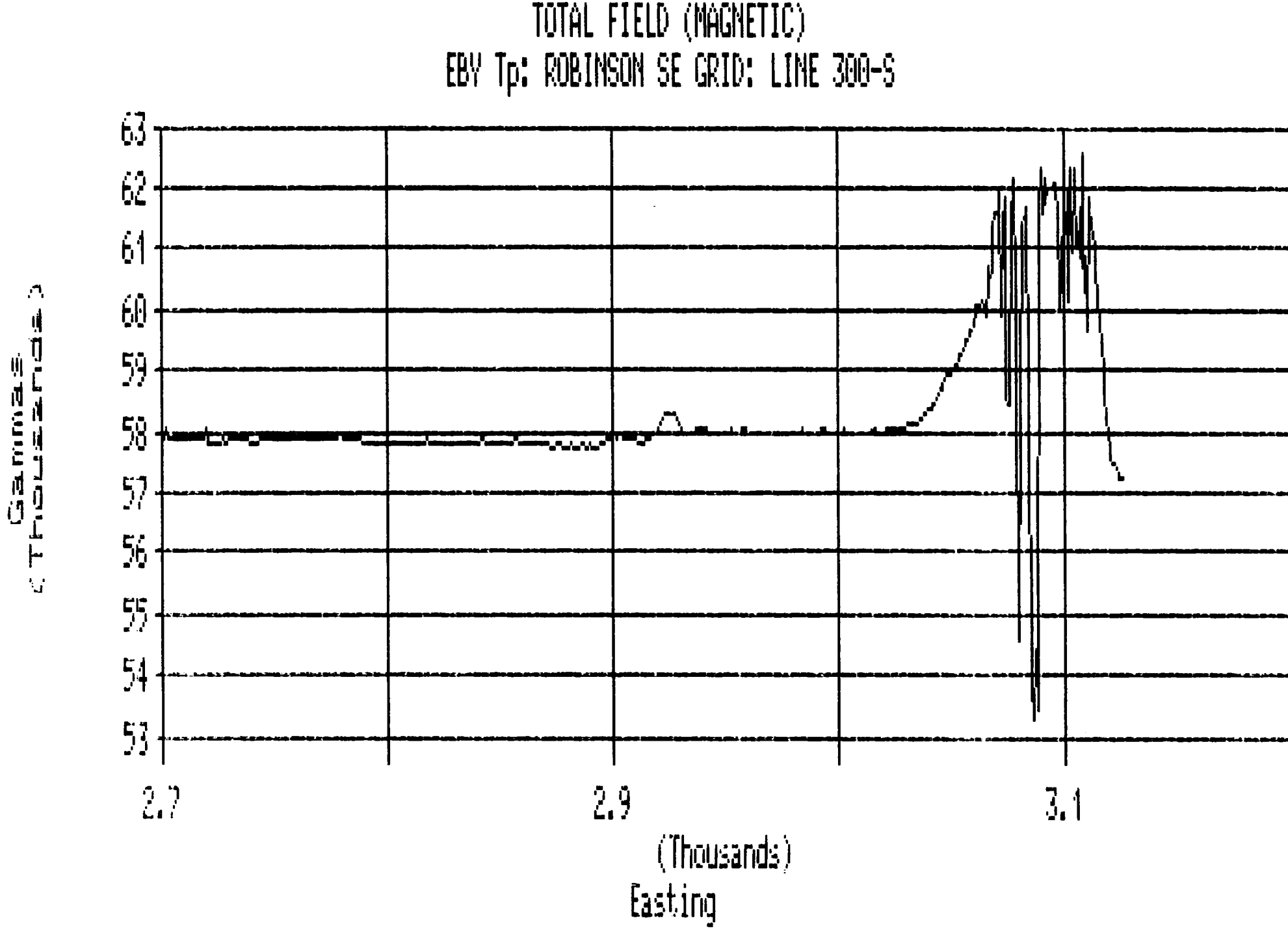
TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 375-S

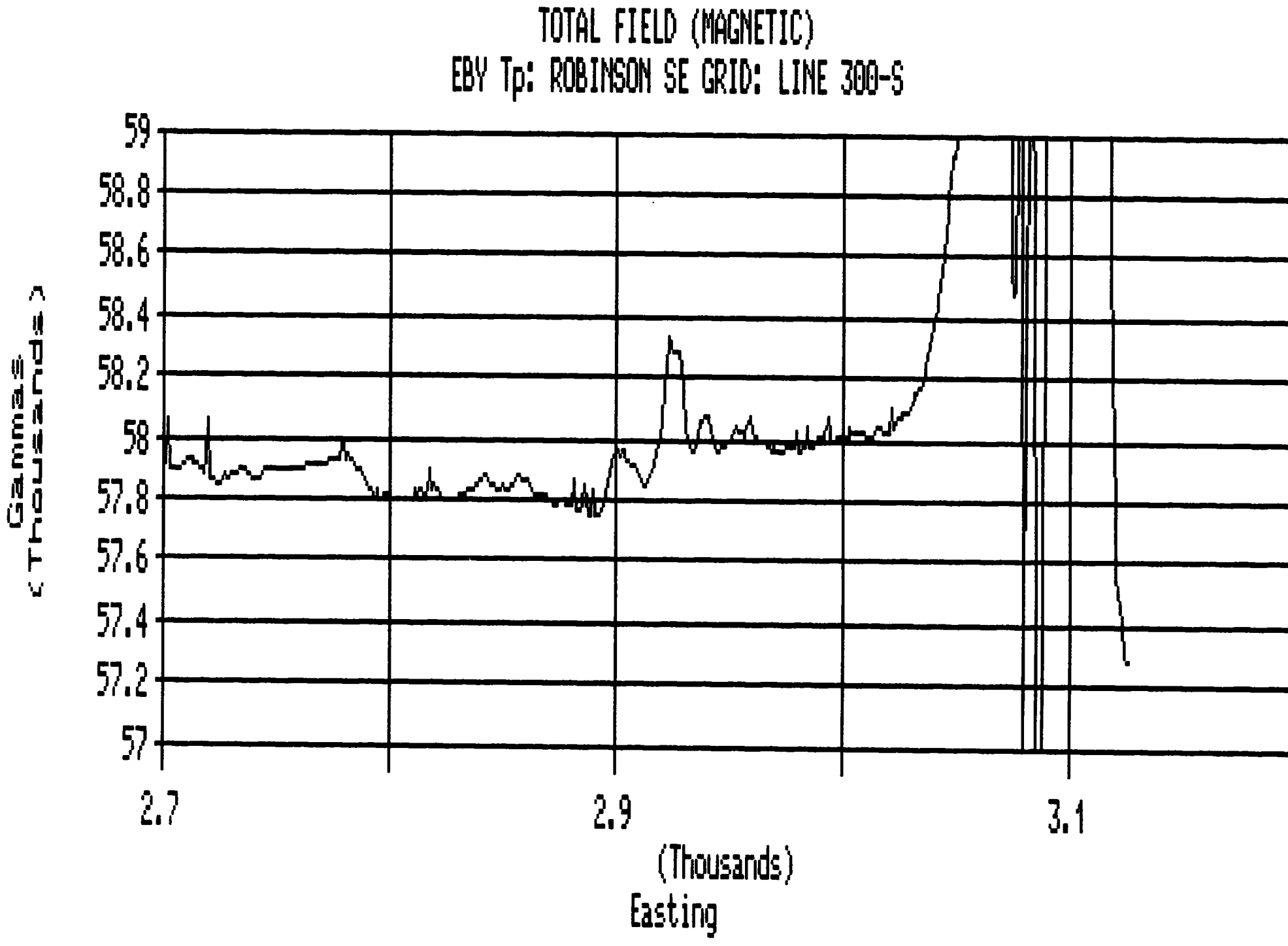


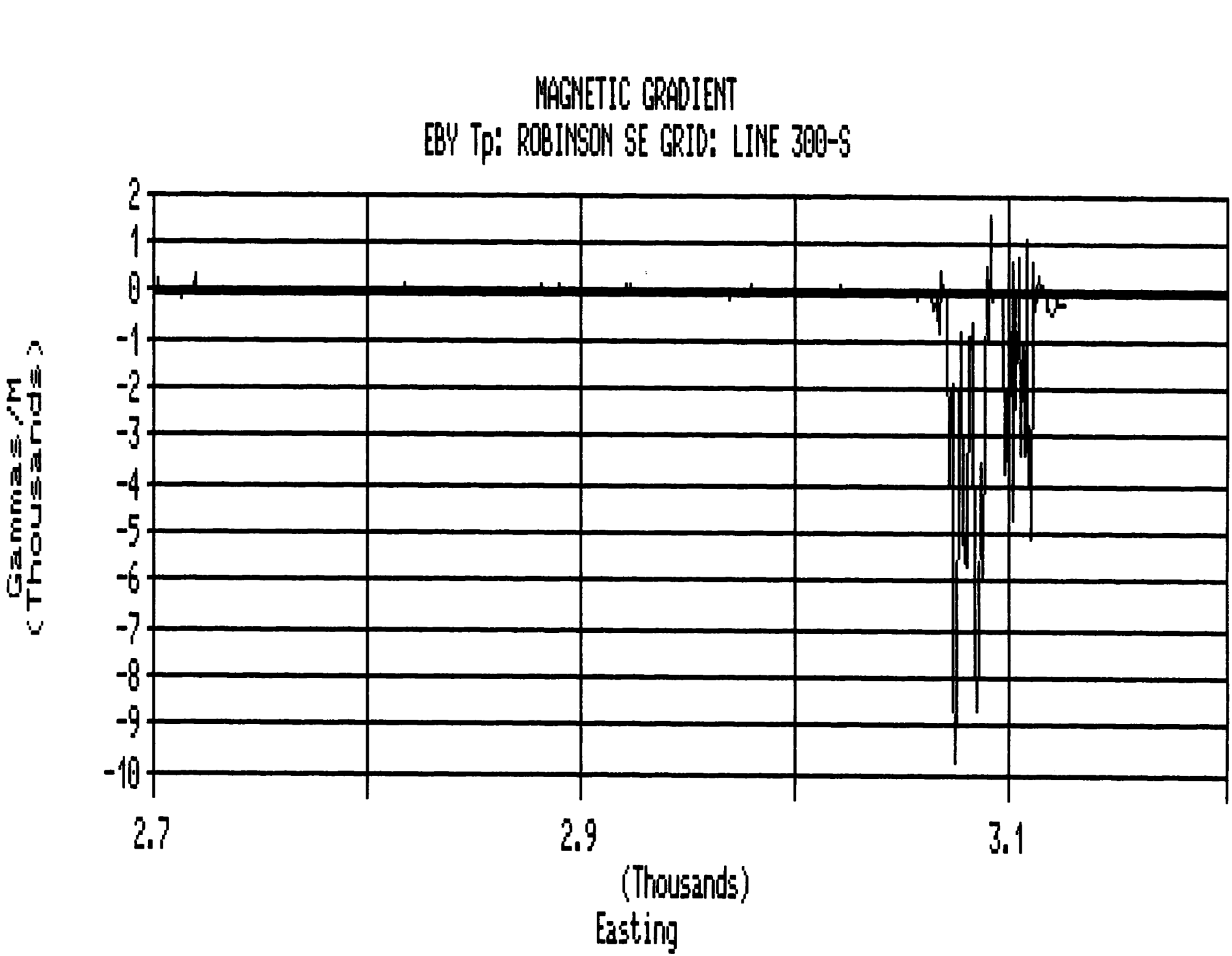

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 375-S
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.3
2.5
2.7
2.9
3.1
(Thousands)
Easting

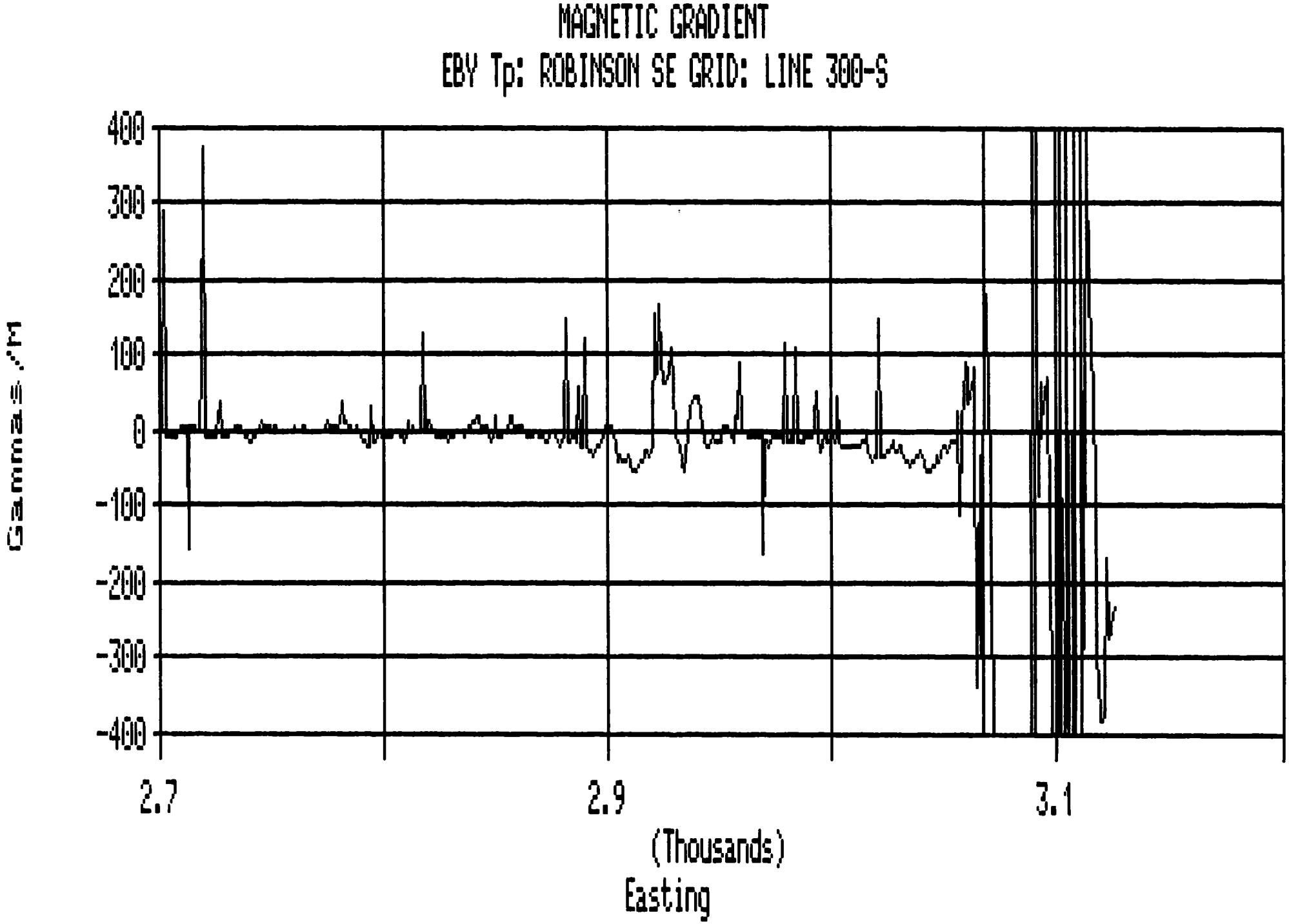

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 375-S
6
4
2
0
-2
-4
-6
-8
-10
-12
-14
-16
(Thousands)
2.3
2.5
2.7
2.9
3.1
(Thousands)
Easting

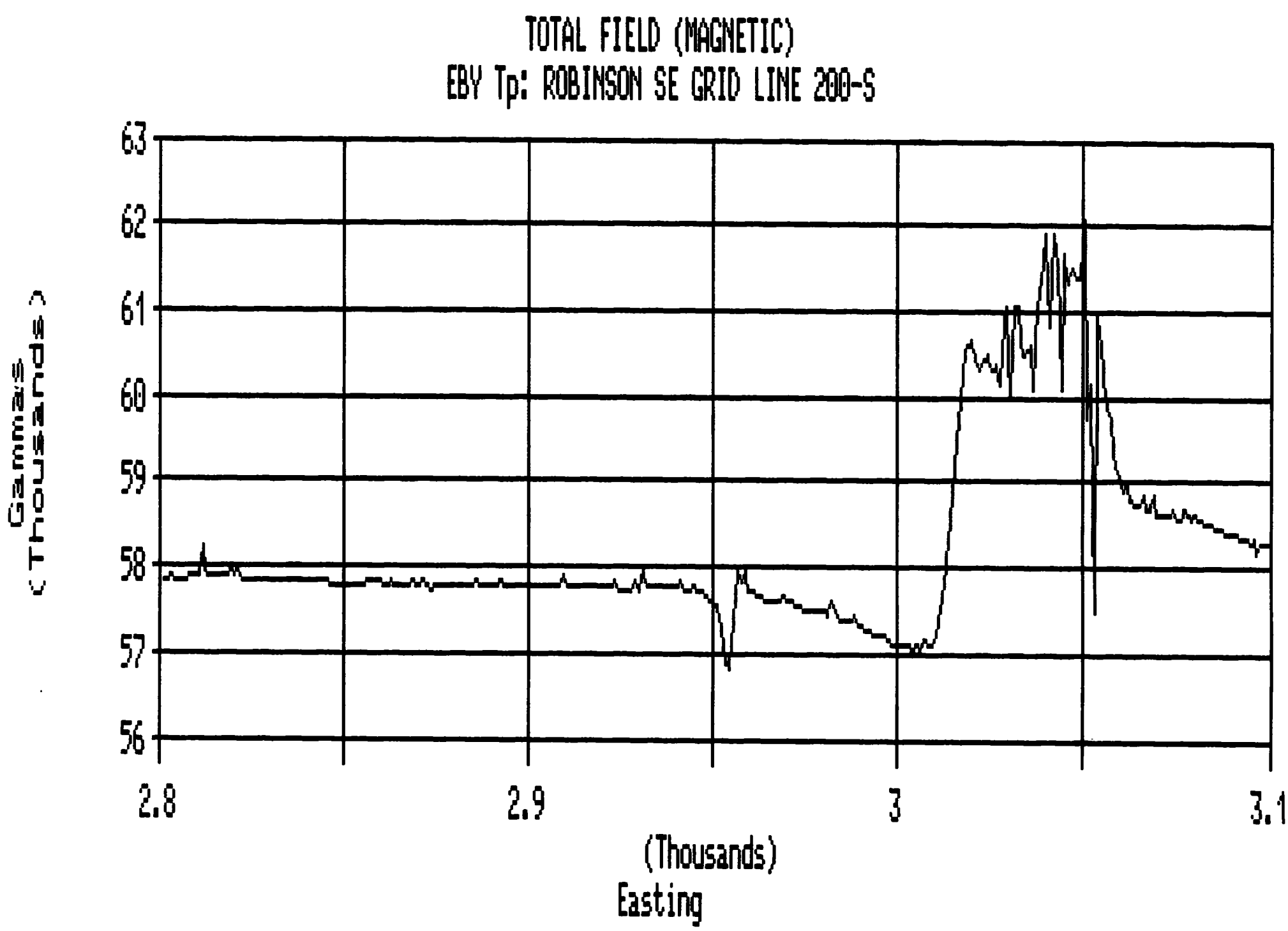

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 375-S
Gammas /M
400
300
200
100
0
-100
-200
-300
-400
2.3
2.5
2.7
2.9
3.1
(Thousands)
Easting

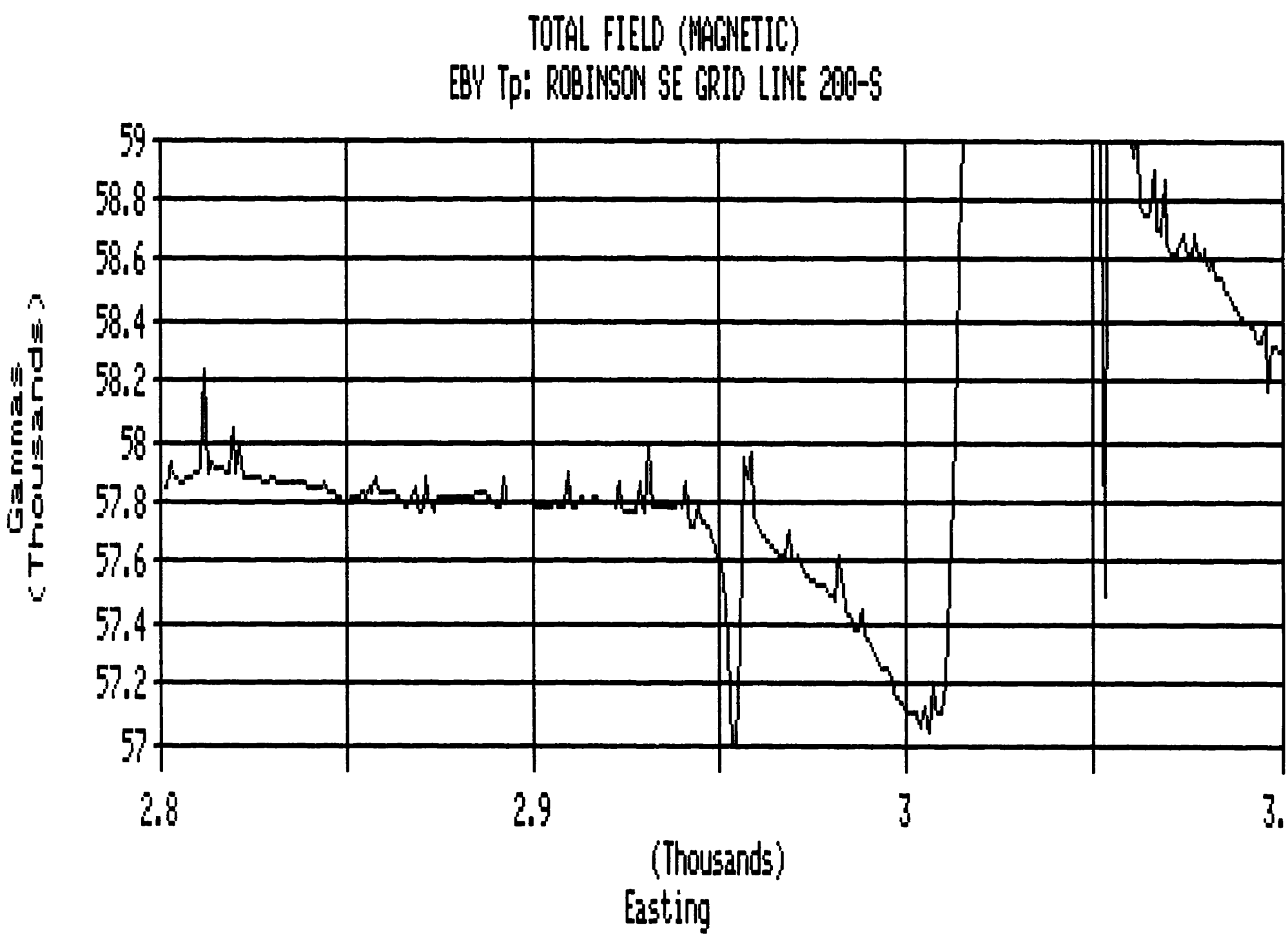

TOTAL FIELD (MAGNETIC)
EBV Tp: ROBINSON SE GRID: LINE 300-S
Gammas (Thousands)
63
62
61
60
59
58
57
56
55
54
53
2.7
2.9
3.1
(Thousands)
Easting

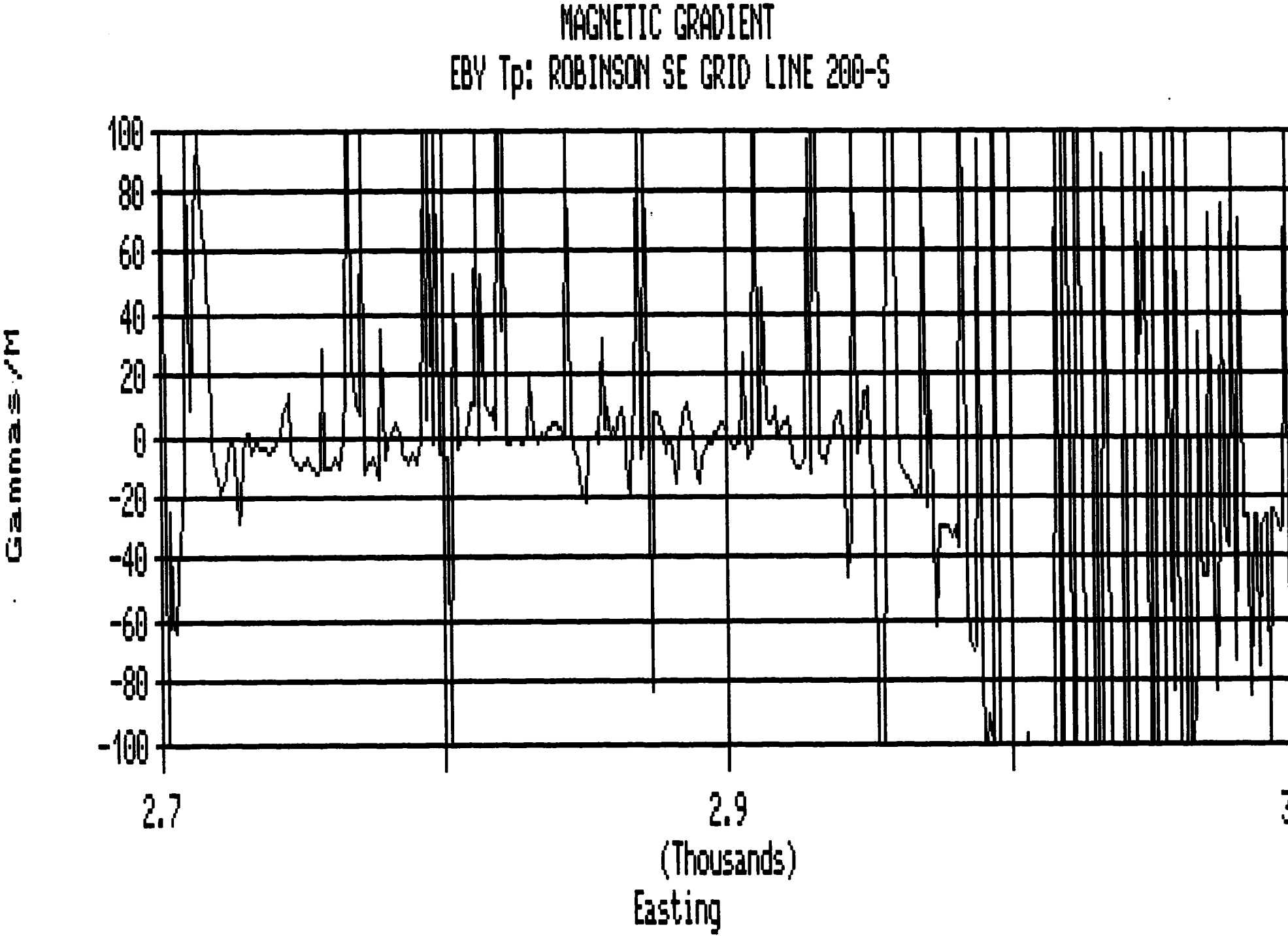

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 300-S
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.7
2.9
3.1
(Thousands)
Easting

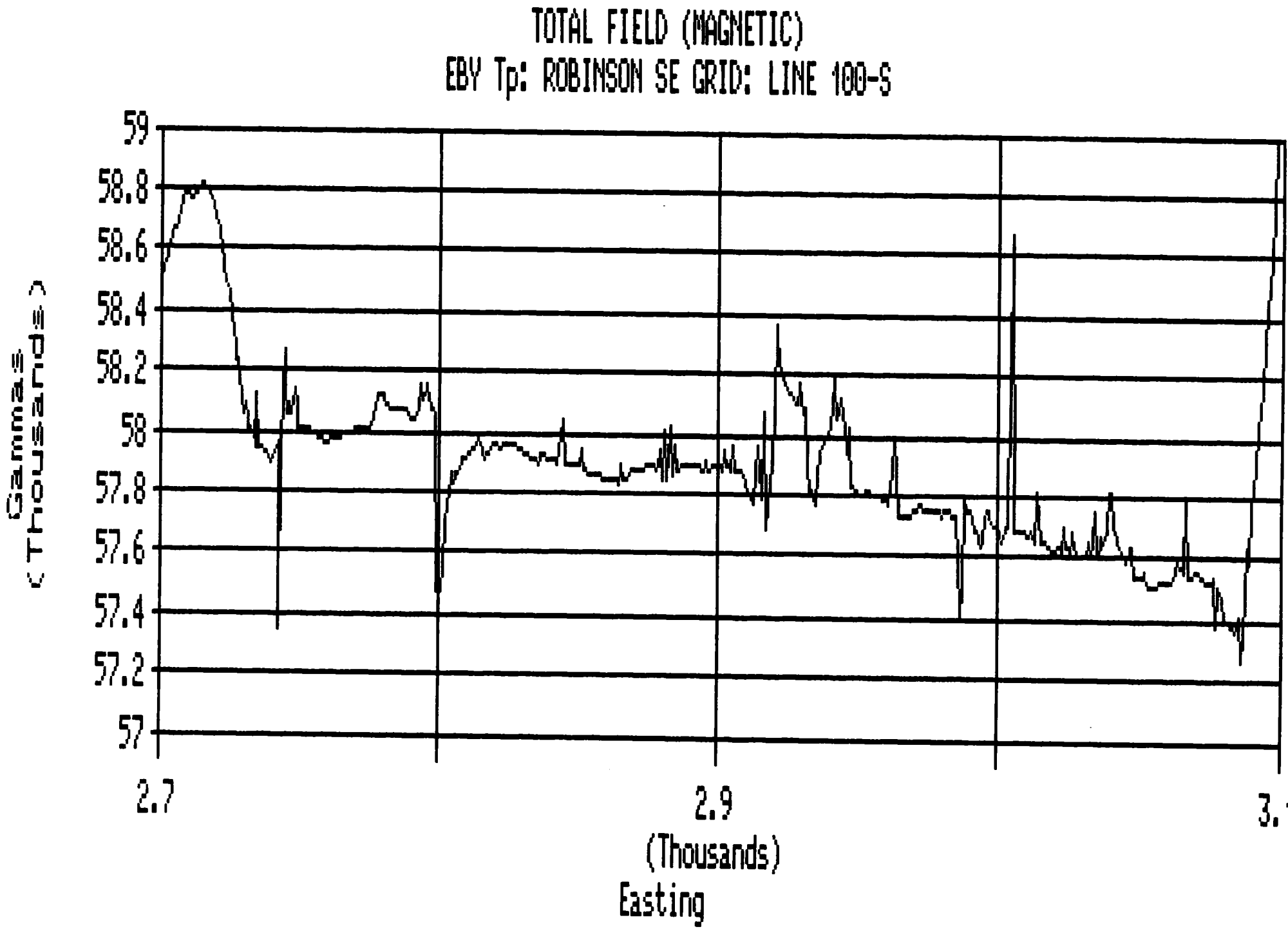

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 300-S
Gammas/M
(Thousands)
2
1
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
2.7
2.9
3.1
(Thousands)
Easting

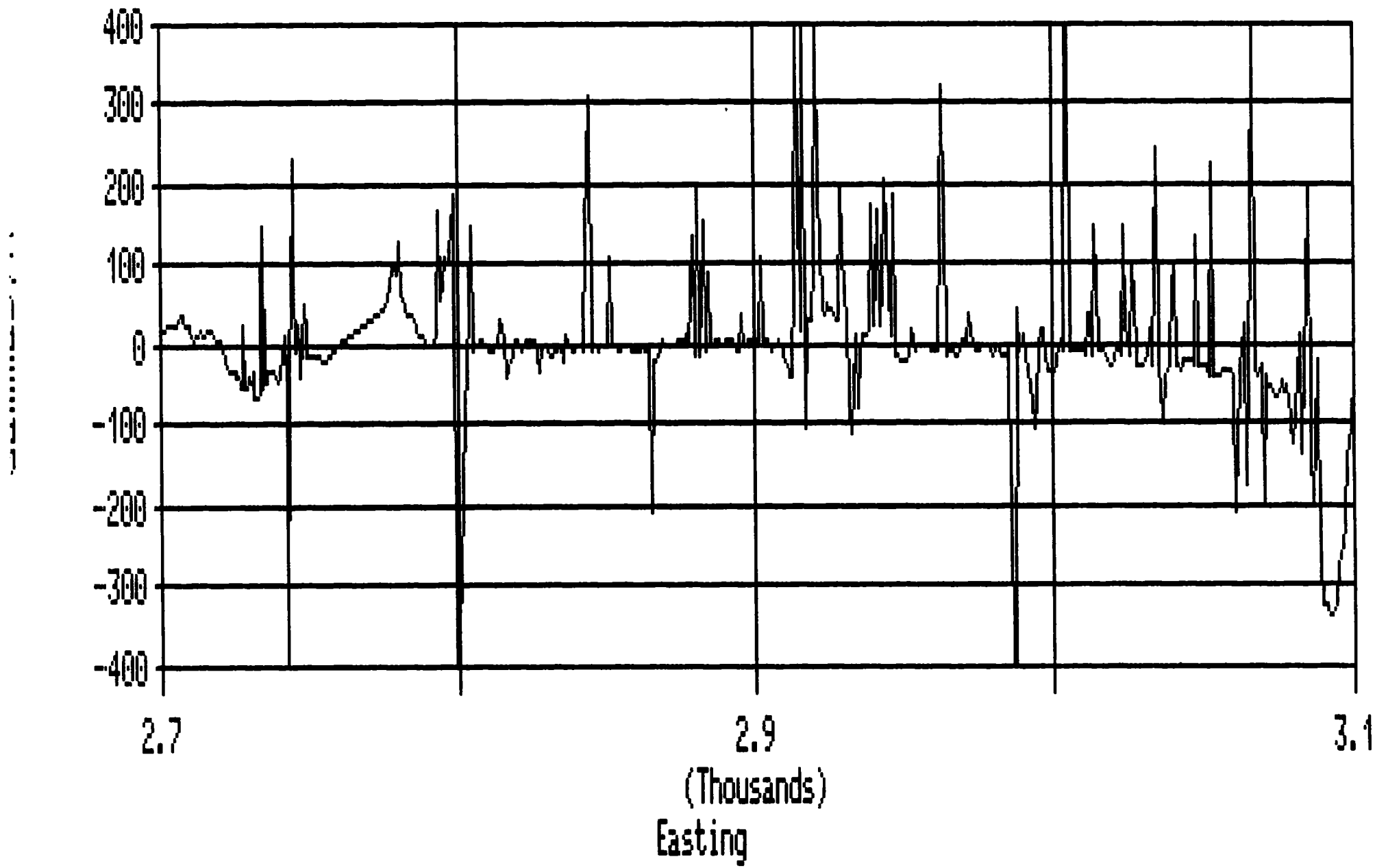

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 300-S
400
300
200
100
0
-100
-200
-300
-400
Gammas/M
2.7
2.9
3.1
(Thousands)
Easting

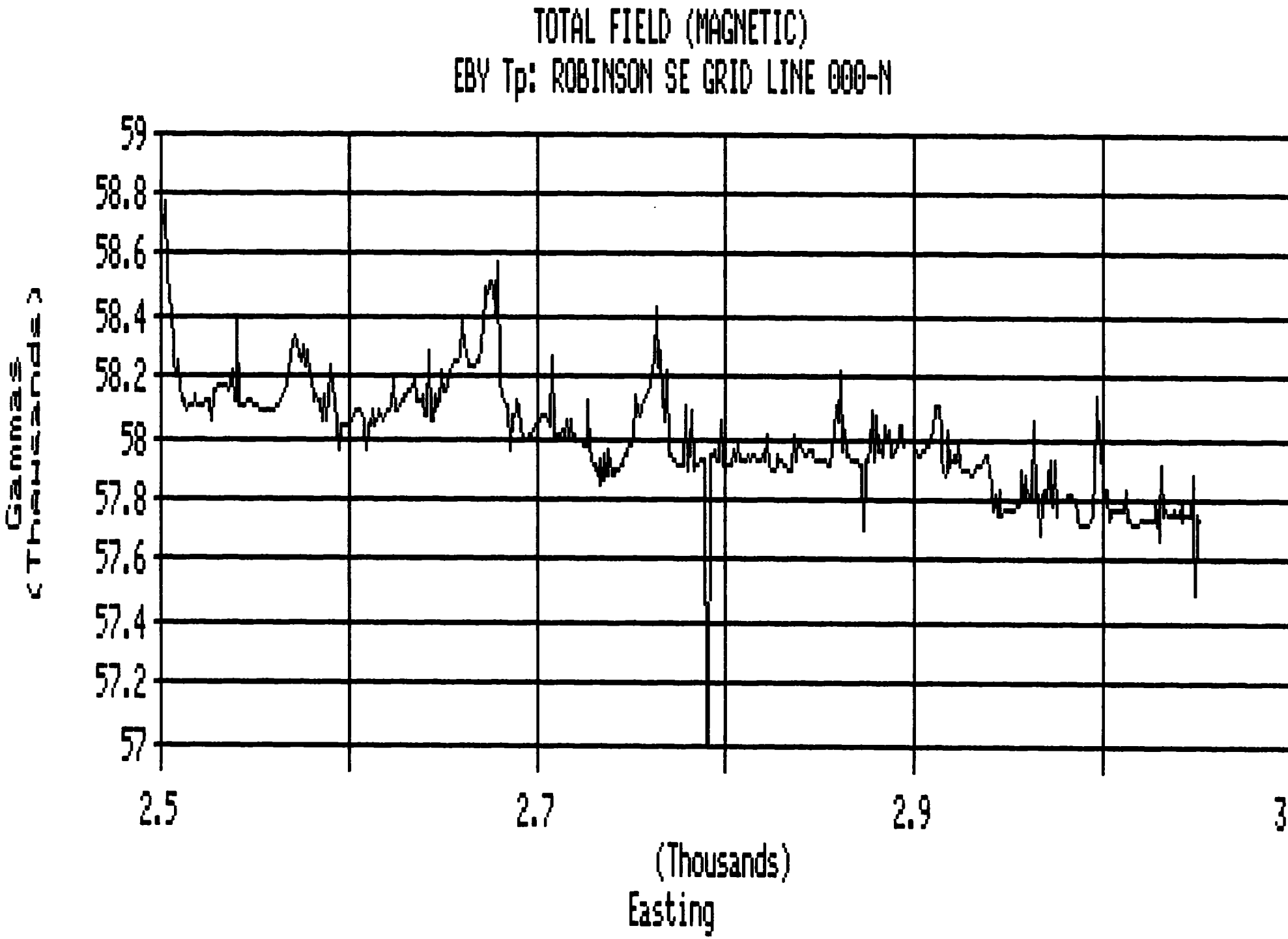

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 200-S
63
62
61
60
59
58
57
56
Gammas
(Thousands)
2.8
2.9
3
3.1
(Thousands)
Easting

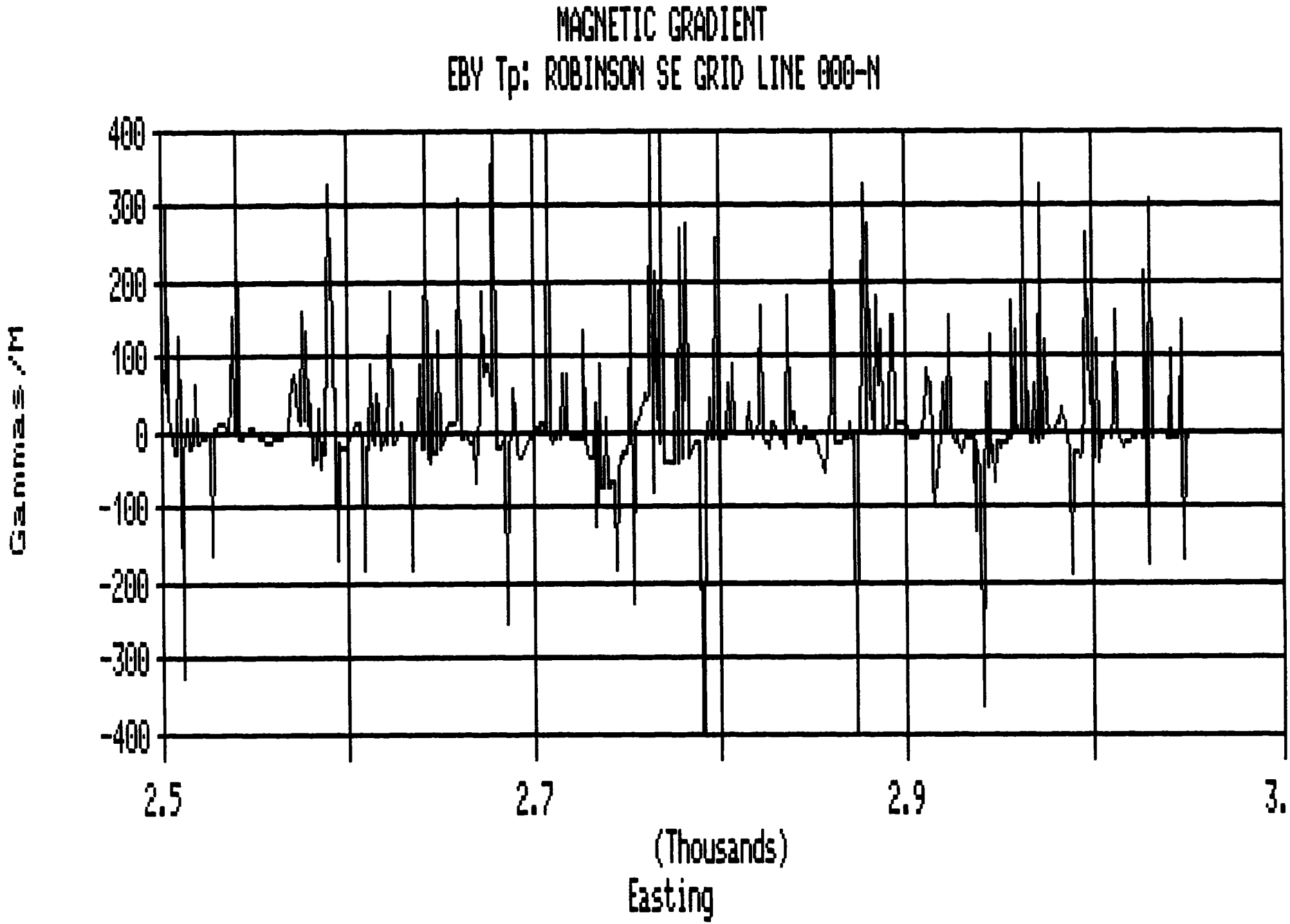

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 200-S
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.8
2.9
3
3.
(Thousands)
Easting

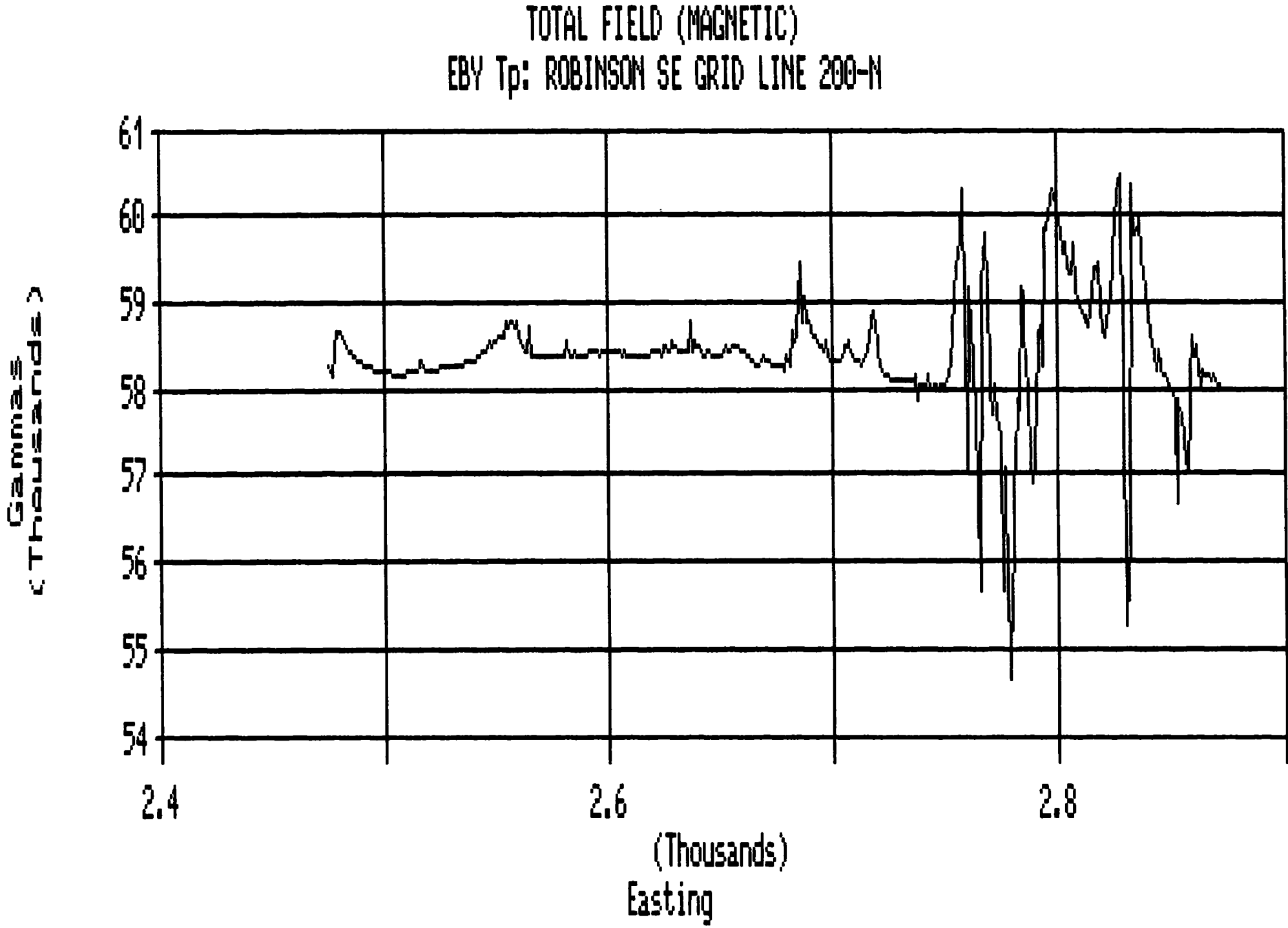

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID LINE 200-S
Gammas/M
100
80
60
40
20
0
-20
-40
-60
-80
-100
2.7
2.9
(Thousands)
Easting

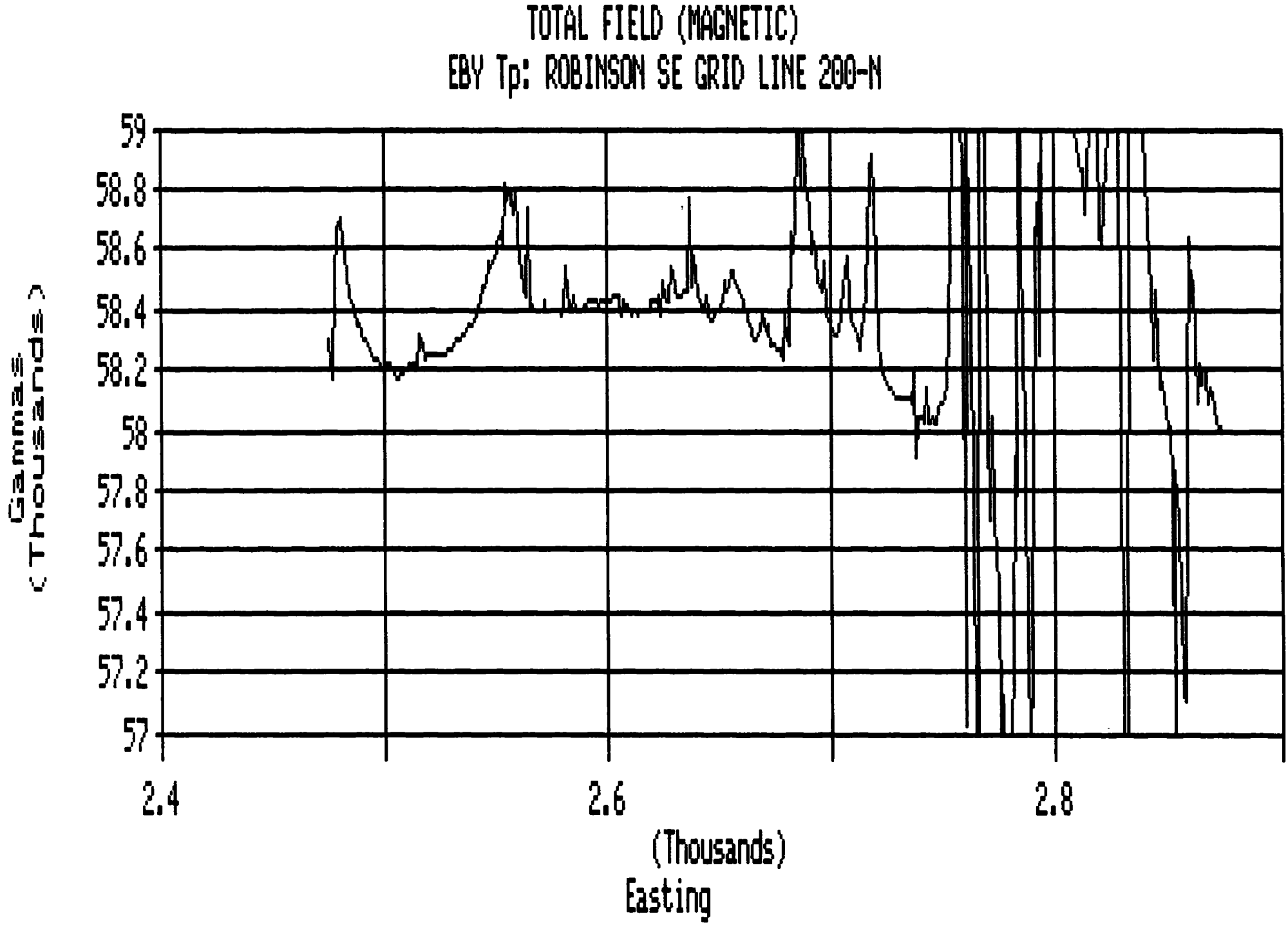

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID: LINE 100-S
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.7
2.9
(Thousands)
Easting

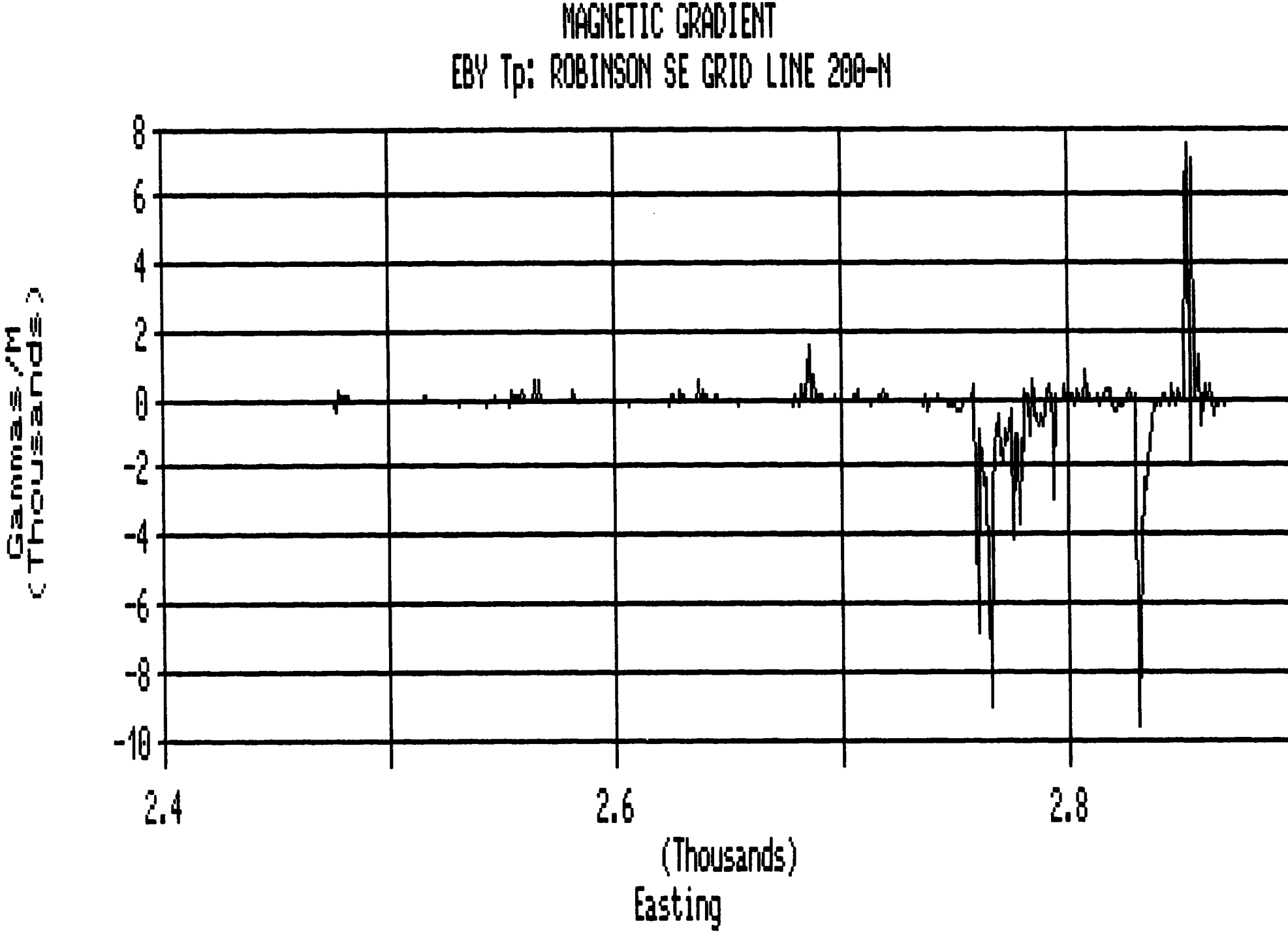

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID: LINE 100-S
400
300
200
100
0
-100
-200
-300
-400
2.7
2.9
3.1
(Thousands)
Easting

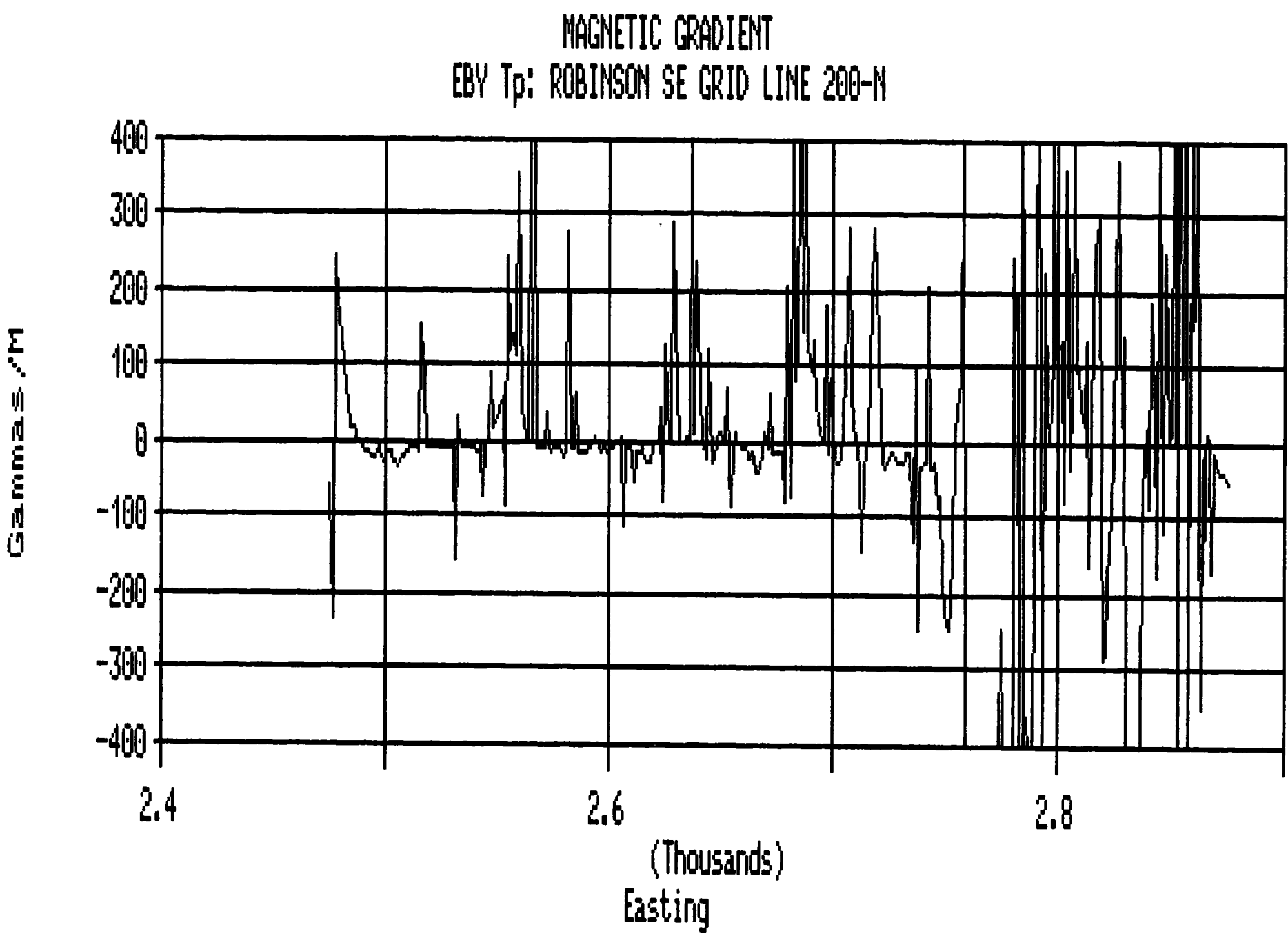

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 000-N
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.5
2.7
2.9
3
(Thousands)
Easting

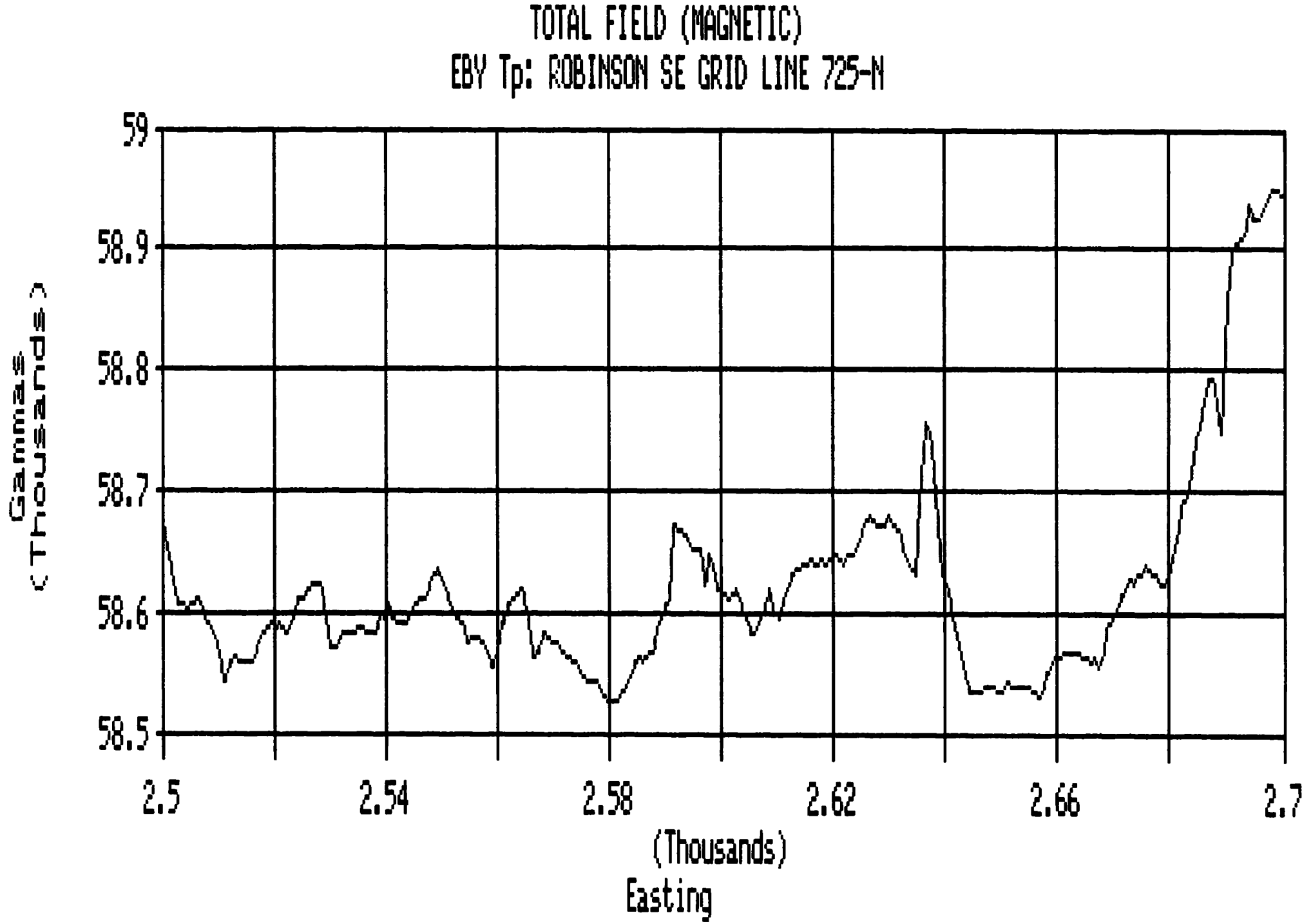

MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID LINE 000-N
Gammas /M
400
300
200
100
0
-100
-200
-300
-400
2.5
2.7
2.9
3.
(Thousands)
Easting

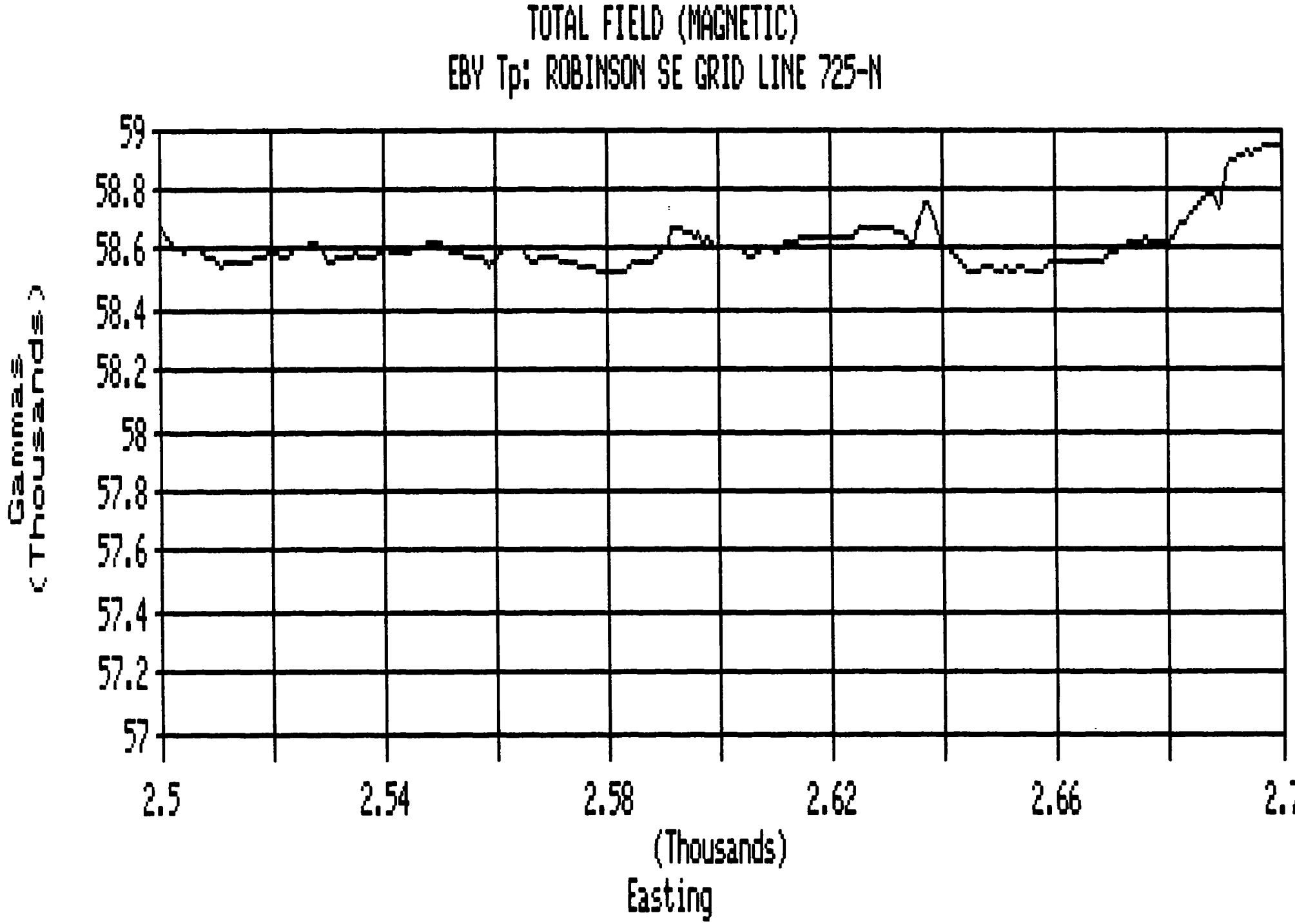

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 200-N
61
60
59
58
57
56
55
54
Gammas
(Thousands)
2.4
2.6
2.8
(Thousands)
Easting

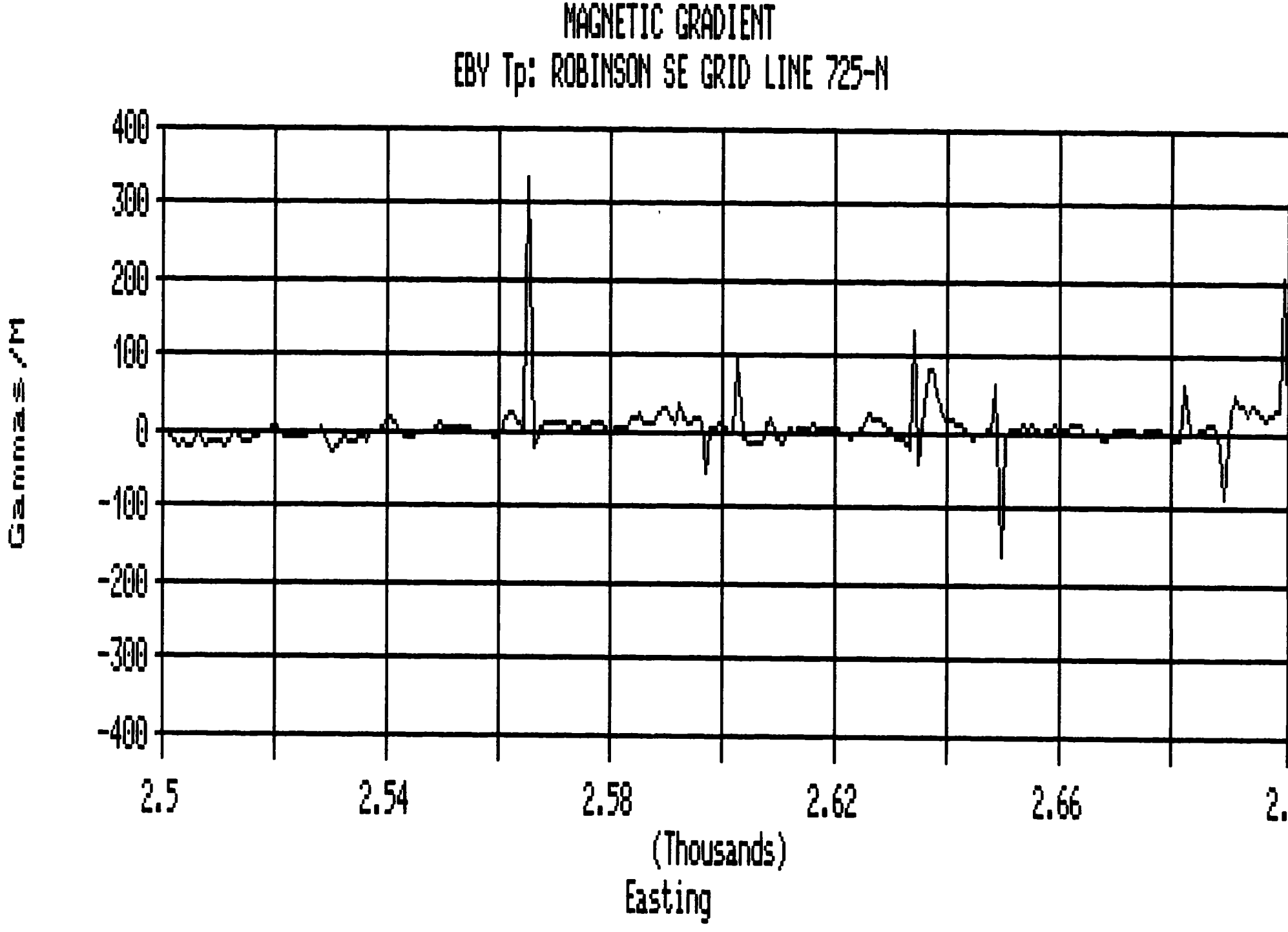

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 200-N
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
Gammas
(Thousands)
2.4
2.6
2.8
(Thousands)
Easting


MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID LINE 200-N
Gammas/M
(Thousands)
8
6
4
2
0
-2
-4
-6
-8
-10
2.4
2.6
2.8
(Thousands)
Easting


MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID LINE 200-N
Gammas /M
400
300
200
100
0
-100
-200
-300
-400
2.4
2.6
2.8
(Thousands)
Easting

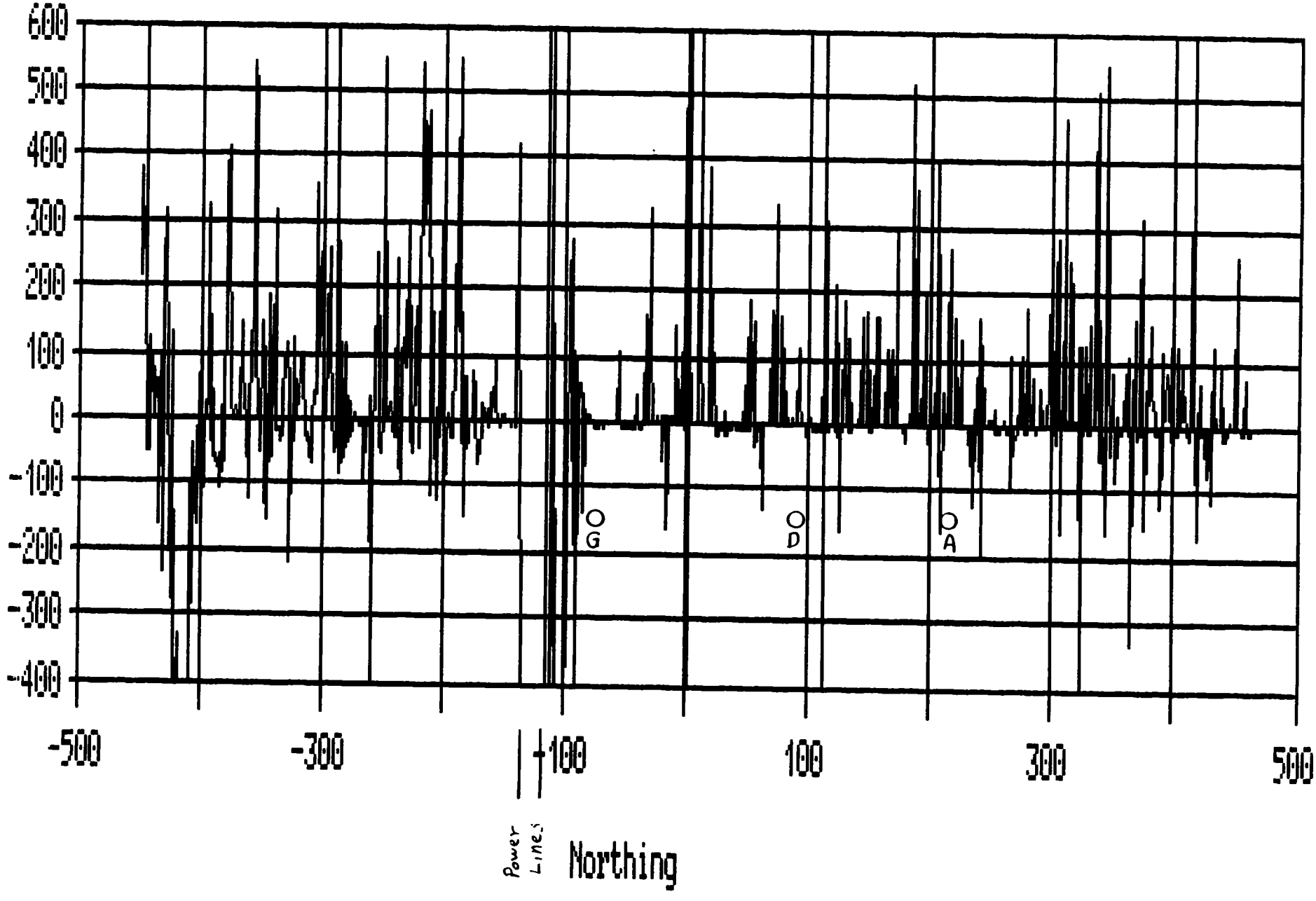

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 725-N
59
58.9
58.8
58.7
58.6
58.5
Gammas (Thousands)
2.5
2.54
2.58
2.62
2.66
2.7
(Thousands)
Easting

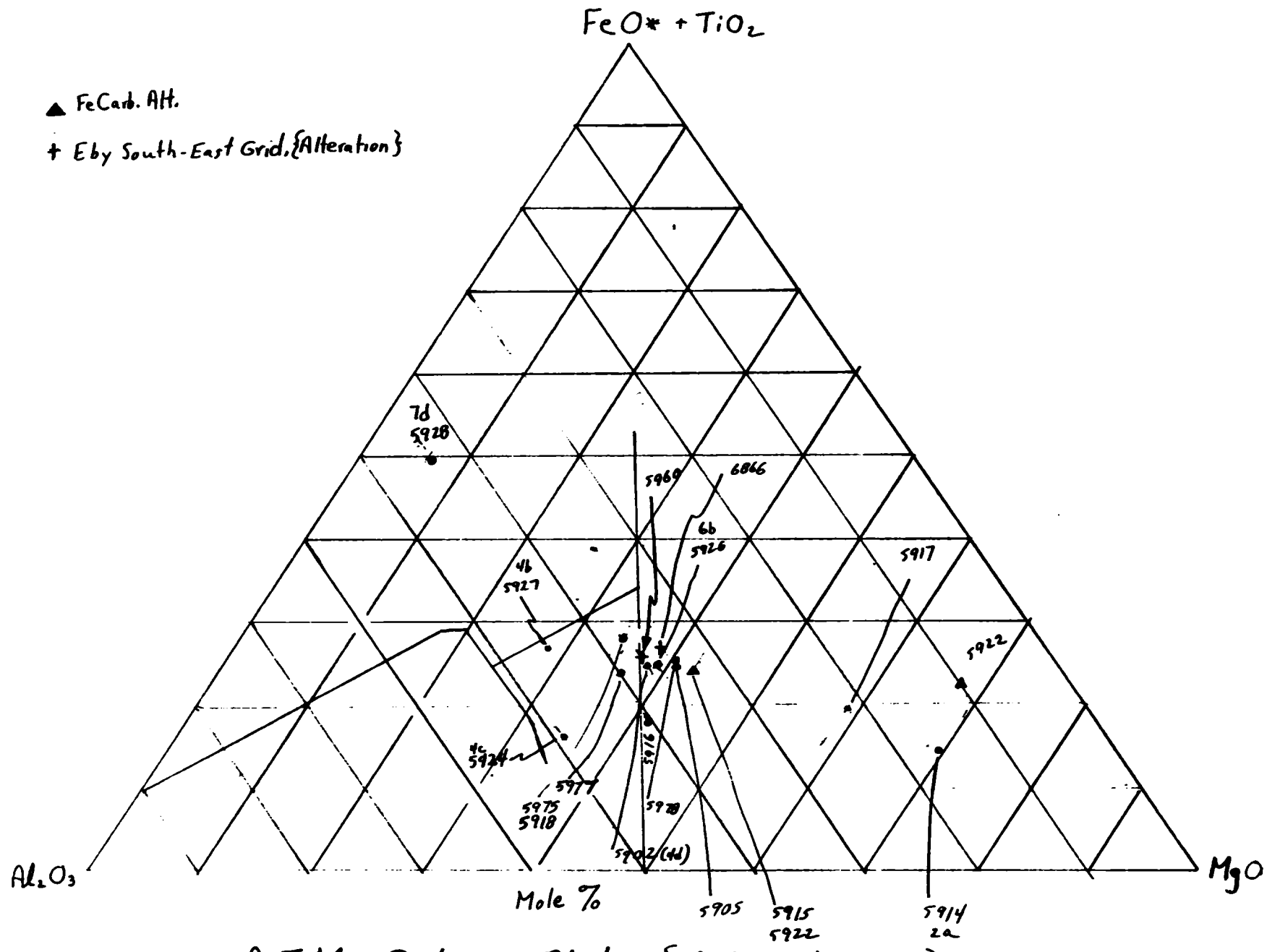

TOTAL FIELD (MAGNETIC)
EBY Tp: ROBINSON SE GRID LINE 725-N
Gammas (Thousands)
59
58.8
58.6
58.4
58.2
58
57.8
57.6
57.4
57.2
57
2.5
2.54
2.58
2.62
2.66
(Thousands)
Easting


MAGNETIC GRADIENT
EBY Tp: ROBINSON SE GRID LINE 725-N
Gammas/M
400
300
200
100
0
-100
-200
-300
-400
2.5
2.54
2.58
2.62
2.66
(Thousands)
Easting

MAGNETIC GRADIENT

EBY-OTTO Tp: J. REED GRID: LINE 3900E





AFM-Cation Plot {After Jensen}

ANALYSIS
D. ROBINSON PROPERTY
NORTH-WEST GROUP
EBY TOWNSHIP
SAMPLES COLLECTED 1994

SAMPLE	5903	5904	5906	5908	5909	5910	5911	5912
Au ppb	Nil	27	45	34	99	48	38	103
Cu ppm								
	2439E	2439E	2474E	2467E	2538E	2539E	2539E	2539E
	323N	322N	04950N	041S	046N	046N	045N	044N

SAMPLE	5913	5915	5919	5920	5923	5928
Au ppb	17	3	3	14	10	Nil
Cu ppm					9	
	2494E	2629E	2643E	2643E	2750E	2650E
	316N	006S	024S	024S	262N	175S

NOTES

5903	10 cm quartz-ankerite vein with trace pyrite xls (0.2-1 cm striated cubes)
5904	Broken rock & soil 1 m. south of 5903.
5906	Fe carbonate alteration.
5908	o.5 mm pyrite grains in unit 7b: quartz grains to 0.5 mm.
5909	West wall of pit. 25 cm fault (dip 56°N).
5910	North fault (fault & sample 0.30 m wide)
5911	Between faults (2.0 m from 044N to 046N)n
5912	Black fault (0.3 m wide, vertical)
5913	Coarse Quartz Chlorite with Fe carbonate Alteration at south edge of swamp.
5915	see whole rock analysis 5915
5919	Grey fault (0.3 m sample from 23.7-24.0S)
5920	Red fault (0.5 m sample from 24.0-24.5S at extreme south edge of exposure)
5928	see whole rock analysis 5928

ANALYSIS
D. ROBINSON PROPERTY
SOUTH-EAST GROUP
EBY TOWNSHIP
SAMPLES COLLECTED 1994

SAMPLE	5955	5956	5957	5958	5961
Au ppb	10	10	3	3	Nil
Cu ppm					
	2553E 275N	2553E 275N	2553E 275N	2650E 312N	2770E 316N

SAMPLE	5979	5980	5981	5982	5983	5983	6866	6867
Au ppb	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Cu ppm								
	4150E 318N	2650E 317N	2548E 595N	2548E 595N	2550E 600N	2548E 595N	2548E 595N	2498E 598N

NOTES

5956	Various pyritic chips.
5957	Mud.
5958	Carbonate showing
5961	Various chips of vein and wall rock
59792	2 cm Quartz vein & 20 cm Fe-carbonate alteration (wall rock). 10% pyrite cubes over 1 cm in wall rock beside vein.
5980	3 cm ankerite vein. 15% pyrite.
5981	Quartz stockwork & Fe-carbonate alteration
5982	Quartz stockwork & Fe-carbonate alteration
5983	14 cm quartz vein
6866	wall rock beside vein (sample 5983)

WHOLE ROCK ANALYSIS
D. ROBINSON PROPERTIES
NORTH-WEST GRID
EBY TOWNSHIP
SAMPLES COLLECTED 1994

SAMPLE	5902	5905	5914	5915	5916	5917	5918	5921	5922
%SIO2	52.75	49.54	47.29	47.89	53.43	47.08	49.45	55.47	49.20
%AL2O3	15.40	14.20	9.48	14.14	12.92	11.35	14.19	1.99	14.70
%FE2O3	13.40	14.03	11.82	13.03	7.88	14.92	14.15	6.91	11.02
%CAO	3.30	5.23	8.73	4.45	5.56	5.80	5.67	12.70	4.80
%MGO	6.35	6.71	16.24	7.14	5.29	12.16	5.13	5.51	6.03
%NAO	3.15	2.84	1.07	3.39	3.92	1.55	3.24	0.23	2.50
%K2O	0.40	0.48	0.08	0.68	1.06	0.12	0.18	0.04	0.58
%TIO2	1.25	1.28	0.61	1.25	0.65	0.84	1.31	0.10	1.25
%MNO	0.18	0.20	0.22	0.20	0.16	0.21	0.18	0.22	0.16
%P2O5	0.12	0.12	0.06	0.10	0.13	0.04	0.14	<.02	0.16
%LOI	1.66	6.17	4.80	8.53	9.47	6.59	7.15	17.50	7.58
TOTAL	97.96	100.81	100.38	100.79	100.53	100.65	100.77	100.68	97.96
(CO2)	-	-	-	(5.27)	(7.40)	-	-	-	(3.95)
PPM									
BA	210	170	40	170	340	160	100	20	120
SR	80	70	40	120	380	100	130	90	50
ZR	80	250	50	80	100	60	80	20	40
Y	28	24	12	26	12	14	30	8	14
SC	47	47	34	47	20	43	46	8	50
NB	<30	<30	<30	<30	<30	<30	<30	<30	<30
BE	1	<1	<1	1	1	<1	<1	<1	<1
NI	65	55	450	95	85	210	55	5	45
CR	305	185	1435	430	605	480	195	860	180
CU	<5	10	30	25	20	70	5	20	55
V	345	335	200	340	135	250	370	75	370
CO	35	40	55	35	25	55	35	10	50
ZN	300	130	50	75	70	100	65	15	70
	2403E	2943E	2546E	2629E	2598E	2652E	2650E	2643E	2675E
	314N	294N	234N	006S	002N	121N	019N	045S	023S
	4D		2A	FECA		4C	CHL		ALT

5905 UNKNOWN ROCK TYPE

5918 STRONGLY CHLORITIC

5922 INTENSE ALTERATION

WHOLE ROCK ANALYSIS
D. ROBINSON PROPERTIES
NORTH-WEST GRID
EBY TOWNSHIP
SAMPLES COLLECTED 1994

SAMPLE	5924	5926	5927	5928
%SIO2	48.70	51.06	46.12	53.23
%AL2O3	19.69	14.12	17.22	13.05
%FE2O3	8.98	12.94	13.21	19.74
%CAO	10.55	8.79	11.05	1.59
%MGO	5.58	6.07	4.28	0.77
%NAO	2.50	2.83	2.11	5.59
%K2O	0.32	0.86	0.48	0.18
%TIO2	0.48	1.25	1.10	1.72
%MNO	0.15	0.23	0.29	0.37
%P2O5	0.10	0.10	0.12	0.38
%LOI	3.80	1.90	4.55	4.31
TOTAL	100.95	100.16	100.54	100.93
(%CO2)	-	-	-	(1.10)
PPM				
BA	110	200	170	180
SR	270	140	130	170
ZR	30	40	50	160
Y	12	22	26	78
SC	41	63	38	48
NB	<30	<30	<30	<30
BE	<1	<1	<1	<1
NI	70	<5	80	20
CR	460	125	145	255
CU	80	75	15	5
V	190	560	630	65
CO	30	65	35	35
ZN	40	25	30	65
	2702E	2695E	2700E	2650E
	403N	230S	289S	175S
	4C	6B	4B	7D

WHOLE ROCK ANALYSIS
D. ROBINSON PROPERTIES
SOUTH-EAST GRID
EBY TOWNSHIP
SAMPLES COLLECTED 1994

SAMPLE	5960	5983	6866
%SIO2	41.69	97.25	41.10
%AL203	11.61	0.21	12.13
%FE203	10.78	1.37	13.38
%CAO	8.30	0.05	8.36
%MGO	4.68	0.09	5.41
%NAO	4.40	0.02	0.61
%K2O	1.36	0.44	2.50
%TIO2	0.85	0.05	0.86
%MNO	0.17	0.03	0.22
%P2O5	0.08	<.02	0.10
%LOI	16.74	0.38	13.98
TOTAL	100.67	99.90	98.64
(%CO2)	-	-	-
PPM			
BA	140	80	210
SR	110	<10	60
ZR	70	<10	60
Y	24	2	20
SC	35	3	40
NB	<30	<30	<30
BE	1	<1	<1
NI	60	15	50
CR	210	810	185
CU	75	45	55
V	235	65	300
CO	35	5	35
ZN	60	5	45
	2730E	2548E	2548E
	368N	595N	595N

5960 Intense alteration, silicified and carbonated, pale colour

5983 14 cm quartz vein.

6866 Wall rock beside sample 5983.

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

4W-2028-RG1

Company: **D.ROBINSON**

Date: SEP-19-94

Project:

Attn: D.Robinson

We hereby certify the following Geochemical Analysis of 22 Rock samples submitted SEP-06-94 by .

Sample Number	Au PPB	CO2 %	Cu PPM	WRA
5902	-	-	-	Results
5903	Nil	-	-	to
5904	27	-	-	follow
5905	-	-	-	see
5906	45	-	-	M-3875
5907 No Sample	-	-	-	
5908	34	-	-	
5909	99	-	-	
5910	48	-	-	
5911	38	-	-	
5912	103	-	-	
5913	17	-	-	
5914	-	-	-	
5915	3	5.27	-	
5916	-	7.40	-	
5917	-	-	-	
5918	-	-	-	
5919	3	-	-	
5920	14	-	-	
5921	-	-	-	
5922	-	3.95	-	
5923	10	-	9	

Certified by G. Leboe

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705)642-3300

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

4W-2048-RG1

Company: D. ROBINSON

Date: SEP-19-94

Project:

Attn: D. Robinson

We hereby certify the following Geochemical Analysis of 4 Rock samples submitted SEP-07-94 by .

Sample Number	Au PPB	Au Check PPB	CO2 %	WRA
5924	-	-	-	Results
5925 No Sample	-	-	-	to
5926	-	-	-	follow
5927	-	-	-	See
5928	Nil	Nil	1.10	M-3874

Certified by G. Leboff

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

4W-2198-RG1

Company: **D. Robinson**

Date: SEP-22-94

Project:

Attn: **D. Robinson**

We hereby certify the following Geochemical Analysis of 6 Rock samples submitted SEP-19-94 by .

Sample Number	Au PPB	Au Check PPB	See M3929 WRA PPM
5955	10	14	Results
5956	10	-	to
5957	Nil	3	follow
5958	3	-	
5960	-	-	
5961	Nil	-	

Certified by G. Leblanc

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705)642-3300

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1928

Geochemical Analysis Certificate

4W-2652-RG1

Company: D. ROBINSON

Date: OCT-28-94

Project:

Attn: D. Robinson

We hereby certify the following Geochemical Analysis of 7 Rock samples submitted OCT-25-94 by .

See M4097 WRA

Sample Number	Au PPB	Au Check PPB	
5979	Nil	-	Results
5980	Nil	Nil	to
5981	Nil	-	follow
5982	Nil	-	
5983	Nil	-	M4097 cert
6866	Nil	-	M4097 cert
6867	Nil	Nil	

Certified by G. Gebert

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

D. ROBINSON

TSL/ASSAYER Laboratories

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4

PHONE #: (905)625-1544 FAX #: (905)206-0513

REPORT No. : **M3874**

Page No. : 1 of 1

File No. : SP12RA

Date : SEP-12-1994

4W-2048-RG1

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	Nb ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	LOI %	TOTAL %
5924	48.70	19.69	8.98	10.55	5.68	2.50	0.32	0.48	0.15	0.10	110	270	30	12	41	< 30	< 1	70	460	80	190	30	40	3.80	100.95
5926	51.06	14.12	12.94	8.79	6.07	2.83	0.86	1.25	0.23	0.10	200	140	40	22	63	< 30	< 1	< 5	125	75	360	65	25	1.90	100.16
5927	46.12	17.22	13.21	11.05	4.28	2.11	0.48	1.10	0.29	0.12	170	130	50	26	38	< 30	< 1	80	145	15	630	35	30	4.55	100.54
5928	53.23	13.05	19.74	1.59	0.77	5.59	0.18	1.72	0.37	0.38	180	170	160	78	48	< 30	1	20	255	5	65	35	65	4.31	100.93

SIGNED :

TSL/94

D. ROBINSON

TSL/ASSAYER Laboratories
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)625-1544 FAX #: (905)206-0513

REPORT No. : M3875
Page No. : 1 of 1
File No. : SP12RA
Date : SEP-12-1994

4W-2028-R-1

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	Nb ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	LOI %	TOTAL %
5902	52.75	15.40	13.40	3.30	6.35	3.15	0.40	1.25	0.18	0.12	210	80	80	28	47	< 30	1	65	305	< 5	345	35	300	1.66	97.96
5905	49.54	14.20	14.03	5.23	6.71	2.84	0.48	1.28	0.20	0.12	170	70	250	24	47	< 30	< 1	55	185	10	335	40	130	6.17	100.81
5914	47.29	9.48	11.62	8.73	16.24	1.07	0.06	0.61	0.22	0.06	40	40	50	12	34	< 30	< 1	450	1435	30	200	55	50	4.80	100.38
5915	47.89	14.14	13.03	4.45	7.14	3.39	0.68	1.25	0.20	0.10	170	120	80	26	47	< 30	1	95	430	25	340	35	75	8.53	100.79
5916	53.43	12.92	7.88	5.56	5.29	3.92	1.06	0.65	0.16	0.18	340	380	100	12	20	< 30	1	85	605	20	135	25	70	9.47	100.53
5917	47.08	11.35	14.92	5.80	12.16	1.55	0.12	0.84	0.21	0.04	160	100	60	14	43	< 30	< 1	210	480	70	250	55	100	6.59	100.65
5918	49.45	14.19	14.15	5.67	5.13	3.24	0.18	1.31	0.18	0.12	100	130	80	30	46	< 30	< 1	55	195	5	370	35	65	7.15	100.77
5921	55.47	1.99	6.91	12.70	5.51	0.23	0.04	0.10	0.22	<0.02	20	90	20	8	8	< 30	< 1	5	860	20	75	10	15	17.50	100.68
5922	49.20	14.70	11.02	4.80	6.03	2.50	0.58	1.25	0.16	0.16	120	50	40	14	50	< 30	< 1	45	180	55	370	50	70	7.58	97.96

SIGNED : Ray Todd

TSL/94

D. ROBINSON
ATTN: D. ROBINSON

ASL/ASSAIR LABORATORIES
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1A4
PHONE #: (905)625-1544 FAX #: (905)206-0513

REPORT No. : M3929
Page No. : 1 of 1
File No. : SP23RA
Date : SEP-24-1994

4W-2198-RGI

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba ppm	Sr ppm	Zr ppm	Y ppm	Sc ppm	Mo ppm	Be ppm	Ni ppm	Cr ppm	Cu ppm	V ppm	Co ppm	Zn ppm	LOI %	TOTAL %
5960	41.69	11.61	10.78	8.30	4.66	4.40	1.36	0.85	0.17	0.08	140	110	70	24	35	< 30	1	60	210	75	235	35	60	16.74	100.67

SEP 24 '94 13:58 TSL-MISSISSAUGA ONTARIO

TSL/94

SIGNED :

D. ROBINSON

TSL/ASSAYER Laboratories
1270 FEWSTER DRIVE, UNIT 9 - MISSISSAUGA, ONTARIO L4W-1A4
PHONE #: (905)602-8236 FAX #: (905)206-0513

REPORT No. : M4097
Page No. : 1 of 1
File No. : OC29RA
Date : OCT-30-1994

4W-2652-RG1

I.C.A.P. TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Ba PPm	Sr ppm	Zr PPm	Y PPm	Sc PPm	Nb PPm	Be PPm	Ni PPm	Cr PPm	Cu PPm	V PPm	Co PPm	Zn PPm	LOI %	TOTAL %
5983	97.25	0.21	1.37	0.05	0.09	0.02	0.44	0.05	0.03	<0.02	80	< 10	< 10	2	3	< 30	< 1	15	810	45	65	5	5	0.38	99.90
6866	41.10	12.13	13.38	8.36	5.41	0.61	2.50	0.86	0.22	0.10	210	60	60	20	40	< 30	< 1	50	185	55	300	35	45	13.98	99.64

SIGNED :

MAXMIN I-9 SPECIFICATIONS:

Frequencies:	110, 220, 440, 880, 1760, 3520, 7040 and 14080 Hz, plus 50/60 Hz powerline frequency (receiver only).
Modes:	MAX 1: Horizontal loop mode (Transmitter and receiver coil planes horizontal and coplanar). MAX 2: Vertical coplanar loop mode (Transmitter and receiver coil planes vertical and coplanar). MAX 3: Vertical coaxial loop mode (Transmitter and receiver coil planes vertical and coaxial). MIN 1: Perpendicular loop mode 1 (Transmitter coil plane horizontal and receiver coil plane vertical). MIN 2: Perpendicular loop mode 2 (Transmitter coil plane vertical and receiver coil plane horizontal).
Coil separations:	12.5, 25, 50, 75, 100, 125, 150, 200, 250, 300, & 400 metres (standard). 10, 20, 40, 60, 80, 100, 120, 160, 200, 240 & 320 metres (selected with grid switch inside of receiver). 50, 100, 200, 300, 400, 500, 600, 800, 1000, 1200 & 1600 feet (selected with grid switch inside of receiver).
Parameters measured:	In-Phase and quadrature components of the secondary magnetic field, in % of primary (transmitted) field. Field amplitude and/or tilt of 50/60 Hz powerline field.
Readouts:	Analog direct readouts on edgewise panel meters for in-phase, quadrature and tilt, and for 50/60Hz amplitude. [Additional digital readouts when using the DAC, for which interfacing and controls are provided for plug-in].
Ranges of readouts:	Analog in-phase and quadrature scales: 0±4%, 0±20%, 0±100%, switch activated. Analog tilt scale: 0±75% grade. [Digital in-phase and quad. 0±102.4%].
Readability:	Analog in-phase and quadrature 0.05% to 0.5%, analog tilt 1% grade. (Digital in-phase and quadrature 0.1%).
Repeatability:	±0.05% to ±1% normally, depending on frequency, coil separation & conditions.

Signal filtering:	Powerline comb filter, continuous spherics noise clipping, autoadjusting time constant and other filtering.
Warning lights:	Receiver signal and reference warning lights to indicate potential errors.
Survey depth:	From surface down to 1.5 times coil separation used.
Transmitter dipole moments:	110 Hz: 220 Atm² 1760 Hz: 160 Atm² 220 Hz: 215 Atm² 3520 Hz: 80 Atm² 440 Hz: 210 Atm² 7040 Hz: 40 Atm² 880 Hz: 200 Atm² 14080 Hz: 20 Atm²
Reference cable:	Light weight unshielded 4/2 conductor teflon cable for maximum temperature range and for minimum friction. Please specify cable lengths required.
Intercom:	Voice communication link provided for operators via the reference cable.
Receiver power supply:	Four standard 9V batteries (0.5Ah, alkaline). Life 30 hrs continuous duty, less in cold weather. Rechargeable battery and charger option available.
Transmitter power supply:	Rechargeable sealed gel type lead acid 12V-13Ah batteries (4x6V-6½Ah) in canvas belt. Optional 12V-8Ah light duty belt pack available.
Transmitter battery charger:	For 110-120/220-240VAC, 50/60/400 Hz and 12-15VDC supply operation, automatic float charge mode, three charge status indicator lights. Output 14.4V-1.25A nominal.
Operating temp:	−40 to + 60 degrees Celsius.
Receiver weight:	8 kg, including the two integral ferrite cored antennas (9 kg with data acq. computer).
Transmitter weight:	16 kg with standard 12V-13Ah battery pack. 14 kg with light duty 12V-8Ah pack.
Shipping weight:	60 kg plus weight of reference cables at 2.8 kg per 100 metres plus other optional items if any.
Standard spares:	One spare transmitter battery pack, one spare transmitter battery charger, two spare transmitter retractile connecting cords, one spare set receiver batteries.

Specifications subject to change without notification.

APEX PARAMETRICS LIMITED

P.O. Box 818, Uxbridge
Ontario, Canada L0C 1K0

Telephones: 416-640-6102
416-852-5875

Fax: 416-852-9688

Telex: 06-966625 APEXPARA UXB
Cables: APEXPARA TORONTO

SCINTREX

ENVI-MAG Environmental Magnetometer/Gradiometer

Locating Buried Drums and Tanks?

The NEW ENVI-MAG is the solution to this environmental problem. ENVI-MAG is an inexpensive, lightweight, portable "WALKMAG" which enables you to survey large areas quickly and accurately.

ENVI-MAG is a portable, proton precession magnetometer and/or gradiometer, for geotechnical, archaeological and environmental applications where high production, fast count rate and high sensitivity are required. It may also be used for other applications, such as mineral exploration, and may be configured as a total-field magnetometer, a vertical gradiometer or as a base station.

The ENVI-MAG

- easily detects buried drums to depths of 10 feet or more
- more sensitive to the steel of a buried drum than EM or radar
- much less expensive than EM or radar
- survey productivity much higher than with EM or radar

Main features include:

- select sampling rates as fast as 2 times per second
- "WALKMAG" mode for rapid acquisition of data
- large internal memory, expandable to 200,000 readings
- easy to read, large LCD screen displays data both numerically and graphically
- ENVIMAP software for processing and mapping data

ENVI-MAG comprises several basic modules; a lightweight console with a large screen alphanumeric display and high capacity memory, a staff mounted sensor and sensor cable, rechargeable battery and battery charger, RS-232 cable and ENVIMAP processing and mapping software.

For gradiometry applications an upgrade kit is available, comprising an additional processor module for installation in the console, and a second sensor with a staff extender.



ENVI-MAG Proton Magnetometer in operation

For base station applications a Base Station Accessory Kit is available so that the sensor and staff may be converted into a base station sensor.

Features and Benefits

"WALKMAG" Magnetometer/Gradiometer

The "WALKMAG" mode of operation (sometimes known as "Walking Mag") is user-selectable from the keyboard. In this mode, data is acquired and recorded at the rate of 2 readings per second as the operator walks at a steady pace along a line. At desired intervals, the operator "triggers" an event marker by a single key stroke, assigning coordinates to the recorded data.

True Simultaneous Gradiometer

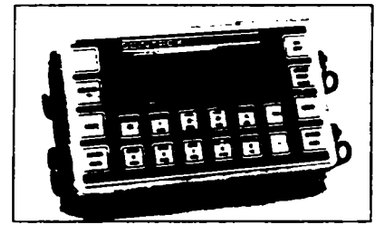
An optional upgrade kit is available to configure ENVI-MAG as a gradiometer to make true, simultaneous gradiometer measurements. Gradiometry is useful for geotechnical and archaeological surveys where small near surface magnetic targets are the object of the survey.

Selectable Sampling Rates

0.5 second, 1 second and 2 second reading rates user selectable from the keyboard.

Large-Key Keypad

The large-key keypad allows easy access for gloved-hands in cold-weather operations. Each key has a multi-purpose function.



Front panel of ENVI-MAG showing a graphic profile of data and large-key keypad

Large Capacity Memory

ENVI-MAG with standard memory stores up to 28,000 readings of total field measurements, 21,000 readings of gradiometry data or 151,000 readings as a base station. An expanded memory option is available which increases this standard capacity by a factor of 5.

Easy Review of Data

For quality of data and for a rapid analysis of the magnetic characteristics of the survey line, several modes of review are possible. These include the measurements at the last three stations, the ability to scroll through any or all previous readings in memory, and a graphic display of the previous data as profiles, line by line. This feature is very useful for environmental and archaeological surveys.

Highly Productive

The "WALKMAG" mode of operation acquires data rapidly at close station intervals, ensuring high-definition results. This increases survey productivity by a factor of 5 when compared to a conventional magnetometer survey.

"Datacheck" Quality Control of Data

"Datacheck" provides a feature wherein at the end of each survey line, data may be reviewed as a profile on ENVI-MAG's screen. Datacheck confirms that the

instrument is functioning correctly and allows the user to note the magnetic relief (anomaly) on the line.

Large Screen Display

"Super-Twist" 64 x 240 dot (8 lines x 40 characters), LCD graphic screen provides good visibility in all light conditions. A display heater is optionally available for low-temperature operations below 0°C.



Close-up of the ENVI-MAG screen showing data presented after each reading

Interactive Menus

The set-up of ENVI-MAG is menu-driven, and minimizes the operator's learning time, and on-going tasks.



Cose-up of display of ENVI-MAG showing interactive set-up menu

Rechargeable Battery and Battery Charger

An "off-the-shelf" lead-acid battery and charger are provided as standard. The low-cost "Camcorder" type battery is available from electronic parts distributors everywhere.

HELP-Line Available

Purchasers of ENVI-MAG are provided with a HELP-Line telephone number to call in the event assistance is needed with an application or instrumentation problem.

ENVIMAP Processing and Mapping Software

Supplied with ENVI-MAG, and custom designed for this purpose, is easy-to-use, very user-friendly, menu driven data processing and mapping software called ENVIMAP. This unique software appears to the user to be a single program, but is in fact a sequence of separate programs, each performing a specific task. Under the menu system, there are separate programs to do the following:

a) read the ENVI-MAG data and reformat it into a standard compatible with the ENVIMAP software
b) grid the data into a standard grid format
c) create a vector file of posted values with line and baseline identification that allows the user to add some title information and build a suitable surround
d) contour the gridded data
e) autoscale the combined results of the posting/surround step and the contouring step to fit on a standard 8.5 ins. wide dot-matrix printer
f) rasterize and output the results of step e) to the printer

ENVIMAP is designed to be as simple as possible. The user is required to answer a few basic questions asked by ENVIMAP, and then simply toggles "GO" to let ENVIMAP provide default parameters for the making of the contour map. The user can modify certain characteristics of the output plot. ENVIMAP'S menu system is both keyboard and mouse operable. HELP screens are integrated with the menu system so that HELP is displayed whenever the user requests it.

Options Available

- True simultaneous gradiometer upgrade
- Base station upgrade
- Display heater for low temperature operations
- External battery pouch

Specifications

Total Field Operating Range
20,000 to 100,000 nT (gammas)

Total Field Absolute Accuracy
+/- 1nT

Tuning
Fully solid state. Manual or automatic, keyboard selectable

Cycling (Reading) Rates
0.5, 1 or 2 seconds, up to 9999 seconds for base station applications, keyboard selectable

Sensitivity
0.1 nT at 2 second sampling rate

Gradiometer Option
Includes a second sensor, 20 inch (½m) staff extender and processor module

"WALKMAG" Mode
0.5 second for walking surveys, variable rates for hilly terrain

Digital Display
LCD "Super Twist", 240 x 64 dots graphics, 8 line x 40 characters alphanumerics

Display Heater
Thermostatically controlled, for cold weather operations

Keyboard Input
17 keys, dual function, membrane type

Notebook Function
32 characters. 5 user-defined MACRO's for quick entry

Standard Memory

Total Field Measurements:	28,000 readings
Gradiometer Measurements:	21,000 readings
Base Station Measurements:	151,000 readings

Expanded Memory

Total Field Measurements:	140,000 readings
Gradiometer Measurements:	109,000 readings
Base Station Measurements:	750,000 readings

Real-Time Clock
Records full date, hours, minutes and seconds with 1 second resolution, +/- 1 second stability over 12 hours

Digital Data Output
RS-232C interface, 600 to 57,600 Baud, 7 or 8 data bits, 1 start, 1 stop bit, no parity format. Selectable carriage return delay (0-999 ms) to accommodate slow peripherals. Handshaking is done by X-on/X-off

Analog Output
0 - 999 mV full scale output voltage with keyboard selectable range of 1, 10, 100, 1,000 or 10,000 nT full scale

Power Supply
Rechargeable "Camcorder" type, 2.3 Ah, Lead-acid battery.

12 Volts at 0.65 Amp for magnetometer, 1.2 Amp for gradiometer,

External 12 Volt input for base station operations

Optional external battery pouch for cold weather operations

Battery Charger
110 Volt - 230 Volt, 50/60 Hz

Operating Temperature Range
Standard 0° to 60°C
Optional -40°C to 60°C

Dimensions
Console - 10 x 6 x 2.25 inches (250 mm x 152 mm x 55 mm)
T.F. sensor - 2.75 inches dia. x 7 inches (70 mm x 175 mm)
Grad. sensor and staff extender - 2.75 inches dia. x 26.5 inches (70 mm x 675 mm)
T.F. staff - 1 inch dia. x 76 inches (25 mm x 2 m)

Weight
Console - 5.4 lbs (2.45 kg) with rechargeable battery
T. F. sensor - 2.2 lbs (1.15 kg)
Grad. sensor - 2.5 lbs (1.15 kg)
Staff - 1.75 lbs (0.8 kg)

SCINTREX

Head Office
222 Snidercroft Road
Concord, Ontario, Canada L4K 1B5
Telephone: (905) 669-2280
Fax: (905) 669-6403 or 669-5132
Telex: 06-964570

In the USA:
Scintrex Inc.
85 River Rock Drive
Unit 202
Buffalo, New York 14207
Telephone: (716) 298-1219
Fax: (716) 298-1317

GEOLOGY

EBY SOUTH-EAST GROUP (D. Robinson)

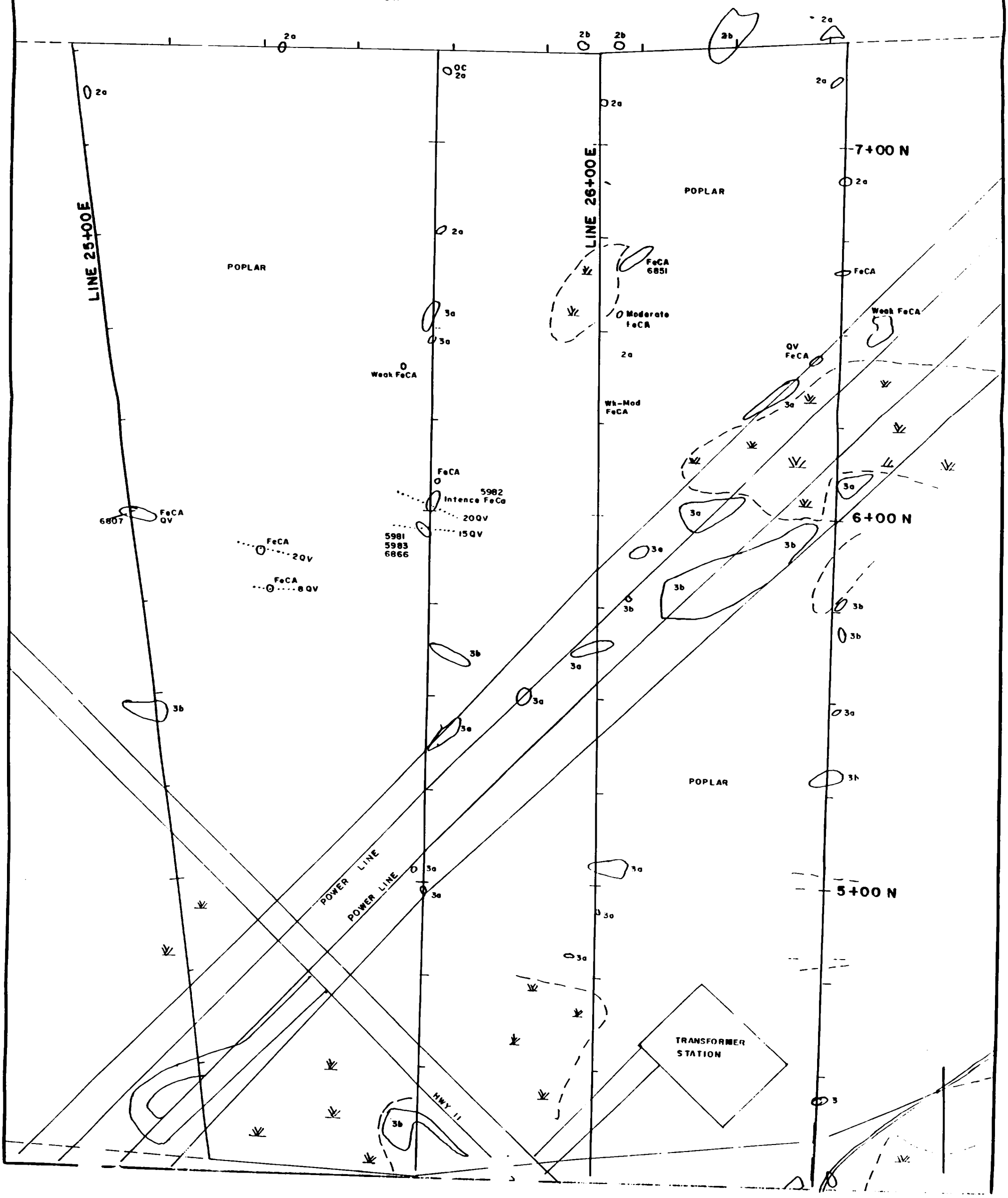
SCALE 1:1000

0 20 40 60 80 100 m

GRID TRUE NORTH
Mag. Declination 10°W

EBY Twp.

3 Fe Tholeiitic Volcanics
2 Mg Tholeiitic Volcanics
FeCA Fe-Carbonate Alteration



Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: DOCUMENT No. W 9680.00006

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16370

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for r Recorder.
- A separate copy of this form must be compl
- Technical reports and maps must accompan
- A sketch, showing the claims the work is ass

42A01SE0087 2 16370 EBY

900

Recorded Holder(s): Douglas R Robinson		Client No. 222886
Address: Box 218 Swastika ONT P0K-1T0		Telephone No. 705-642-9153
Mining Division: Larder Lake	Township/Area: Eby Twp	M or G Plan No. M 345
Dates Work Performed From: April 1, 1994	To: Dec 28 1995	Most Work done April 94 to Jan 30/1995

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	Line Cutting Magnetic Total Field Magnetic Gradient
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	whole Rock, Au
	Assignment from Reserve	

RECEIVED
JAN 19 1996
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 12755.00

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
Douglas Robinson Report work	Box 218 Swastika ONT P0K-1T0
David Robinson work	Box 218 Swastika, ONT P0K-1T0
Shanny Robinson work	Box 218 Swastika ONT P0K-1T0
Shanny Hill DAR David Robinson work	54 Wood St. Kirkland Lake ONT P2N-3B8

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date: Jan 9/96 Recorded Holder or Agent (Signature): Douglas Robinson

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: Douglas Robinson Box 218 Swastika, ONT P0K-1T0

Telepone No. 705-642-9153 | Date: Jan 9/96 | Certified By (Signature): Douglas Robinson

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
* appr 6 000. Reserve $6755.	96 Jan 5		
	Deemed Approval Date: 96 Apr 4	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim
	1186976	2	4755	1600
	1200893	2	4000	1600
	1200894	2	4000	800
	1202490	1	0	400
	1202471	1	0	400
	1202472	1	0	400
	1202473	1	0	400
	1200895	1	0	400
Total Number of Claims		Total Value Work Done		Total Value Work Applied
		12755		6000

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	3155
0	3600
3200	0
0	0
0	0
0	0
0	0
0	1
0	2
0	0
0	0
Total Assigned From	Total Reserve
3200	6755

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
	Douglas Nelson	Jan 5/96

0241 (03/91)

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No /N° de transaction
DOCUMENT No
W 9680 • 00006

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	12336.72	
	Field Supervision Supervision sur le terrain		12336.92
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Assays	367.81	
			367.81
Supplies Used Fournitures utilisées	Type Mylar Paper		
	drafting Supplies	50.00	
			50.00
Equipment Rental Location de matériel	Type		
12754.73 **Total Direct Costs** **Total des coûts directs**			12754.73

ARR 12755.00

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
		Sub Total of Indirect Costs Total partiel des coûts indirects	
		Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)	
		Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) **Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles**	

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Douglas Robinson I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
Douglas Robinson	January 5/96

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre

0212 (04/91)

Ontario

Ministry of Northern Development and Mines
Ministère du Développement du Nord et des Mines

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

April 23, 1996

Our File: 2.16370
Transaction #: W9680.00006

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Mr. Spooner:

SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIMS L.1186976 ET AL IN EBY TOWNSHIP

The revisions outlined in the Notice dated April 03, 1996, have been corrected. Accordingly, assessment work credit has been approved as outlined on the attached form. The credit has been approved under Section 12, Geology and Section 14, Geophysics (MAG,EM) of the Assessment Work Regulation.

THE APPROVAL DATE IS APRIL 17, 1996.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5858.

Yours Sincerely,
ORIGINAL SIGNED BY:

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mines and Minerals Division

LBJ/jl
Enclosure:

cc: Resident Geologist
Kirkland Lake, Province

Assessment Files Library
Sudbury, Ontario

DISTRIBUTION OF ASSESSMENT

WORK CREDIT

Note: credit distribution reflects the value of assessment work performed on mining land.

DATE: APRIL 17, 1996
FILE NUMBER: 2.16370
TRANSACTION #: W9680.00006

	CLAIM NUMBER	VALUE OF WORK PERFORMED
L.	1186976	3071
	1200893	2800
	1200894	2800
		8671

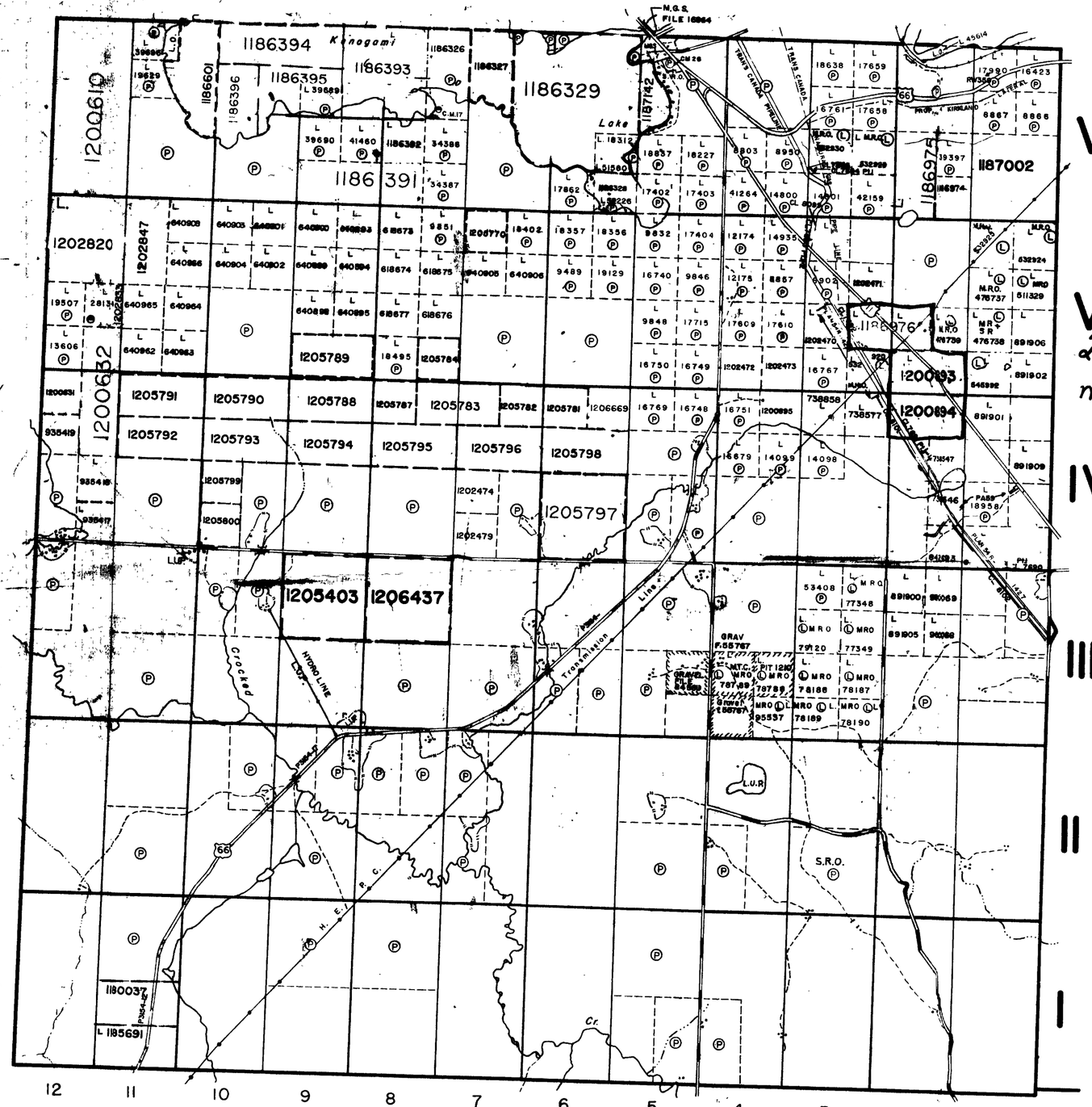
TRIM LINE

Grenfell Twp. M.351

Burf Twp. M.334

Otto Twp. M.370

Blain Twp. M.418



2.16370 mag. gm.

THE TOWNSHIP OF EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

AREAS WITHDRAWN FROM STAKING

Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1980, ORDER NO. W-01/91/ONT (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 metres or 132 ft. either side of centre line of right of way)

DATE OF ISSUE
JAN 5 1996
LARDER LAKE MINING RECORDER'S OFFICE

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN NO.- M-345

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

COPY OF THIS MYLAR
ARCHIVED APR.27/92
ARCHIVED JANUARY 26, 1995
ARCHIVED ON JUNE 01/95

K. Kalamov

42A01SE0087 2.16370 EBY

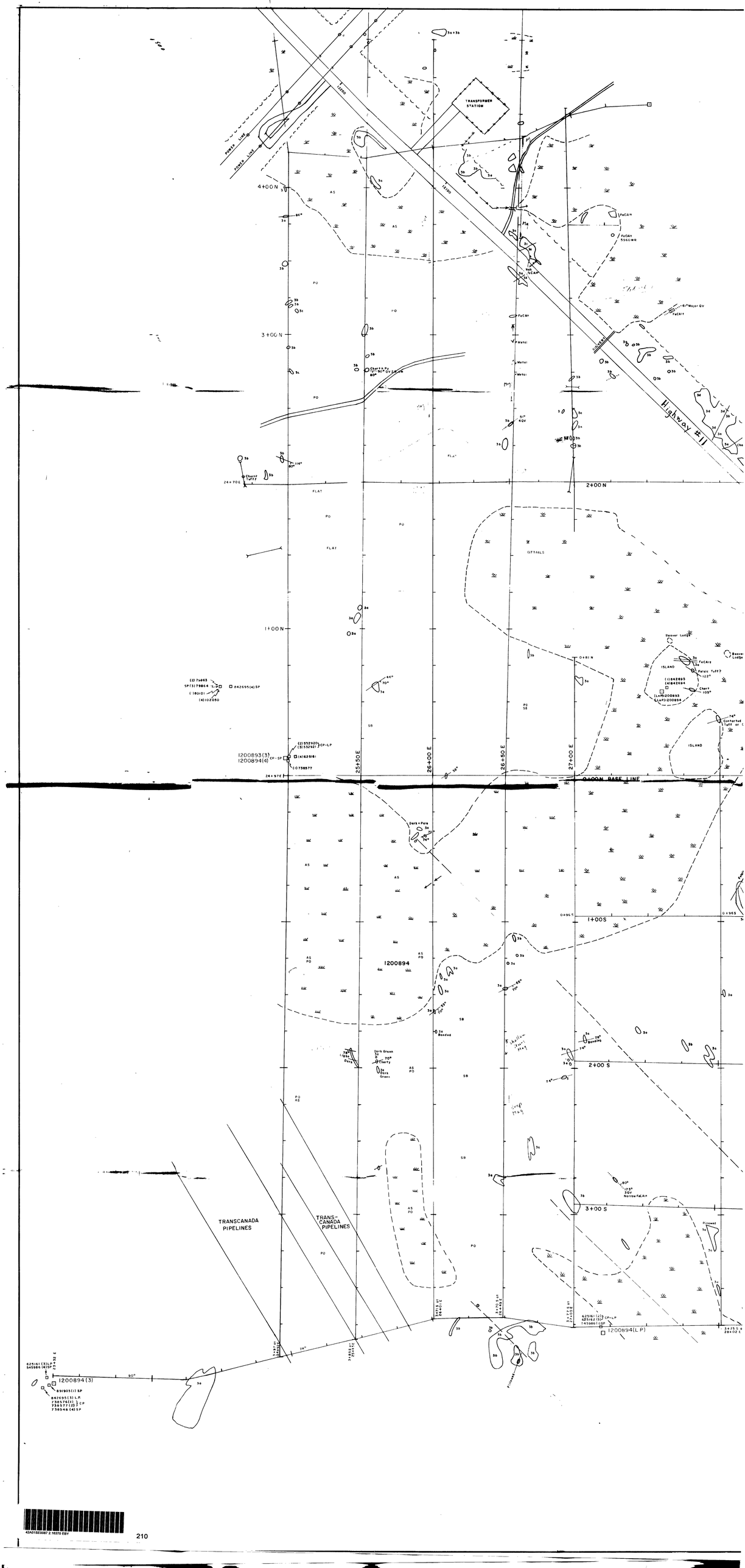
Rec'd Jan. 25/89

200

TRIM LINE

EBY TWP

24 3.M


TRANSFORMER STATION
POWER LINE
POWER LINE
4+00N
3+00N
2+00N
1+00N
0+00N BASE LINE
1+00S
2+00S
3+00S
25+00E
26+00E
26+50E
27+00E
24+97E
24+70E
Highway #11
TRANSCANADA PIPELINES
TRANS-CANADA PIPELINES
1200894
1200894(3)
1200894(L.P.)
1200893(3)
1200894(4)
ISLAND
GITTAILS
FLAT
PO
AS
SB
Beaver Lodge
Dark Green
Cherry
Cherry Tuff
Pink Tuff
Feldspar Tuff
Chert
Contorted Tuff or Chert
Bedding
Bleached
Pillowed
Major Qv
Qv
Metal
FeCarb
FeCarb 5%GMR
Narrow FeCarb
Qv Stringers
Qv Boudins
Qv Veinlets
Qv Blebs
Qv Lenses
Qv Pods
Qv Veins
Qv Stringers
Qv Boudins
Qv Veinlets
Qv Blebs
Qv Lenses
Qv Pods
Qv Veins

T. 16370.

Mapped by Douglas Robinson, 1994 Eby S.E Group D. Robinson