

2.2405

Report

The Interpretation  
of a  
Ground Magnetic Survey  
over the  
MacFadyen 1&2 Kimberlites  
in the  
James Bay Lowlands, Ontario

Mining Claims

1189377, 1189378, 1189379, 1189380, 1189381

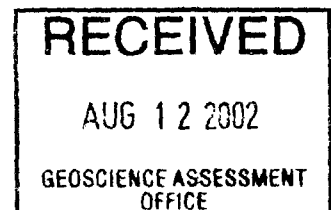
For

Spider Resources Inc / KWG Resources Inc

By

Scott Hogg & Associates Ltd.

July, 2001



43B13NW2006 2.24050 BMA 528 834

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**APPENDIX 1 Model Results**

- a) Deep Linear Anomaly, First Pass**
- b) Deep Linear Anomaly, Second Pass**
- c) Shallow Anomalies**

## 1 INTRODUCTION

Scott Hogg & Associates were contracted in July, 2001 to carry out an interpretation of ground magnetic survey data collected over the MacFadyen 1 and 2 kimberlite pipes, located south of the Attawapiskat River in the James Bay Lowlands of Northern Ontario. This report describes the work done, results obtained and recommendations for further investigation.

## 2 LOCATION

The location of the mining claims, near the Attawapiskat River, is presented on the map below (figure 1).

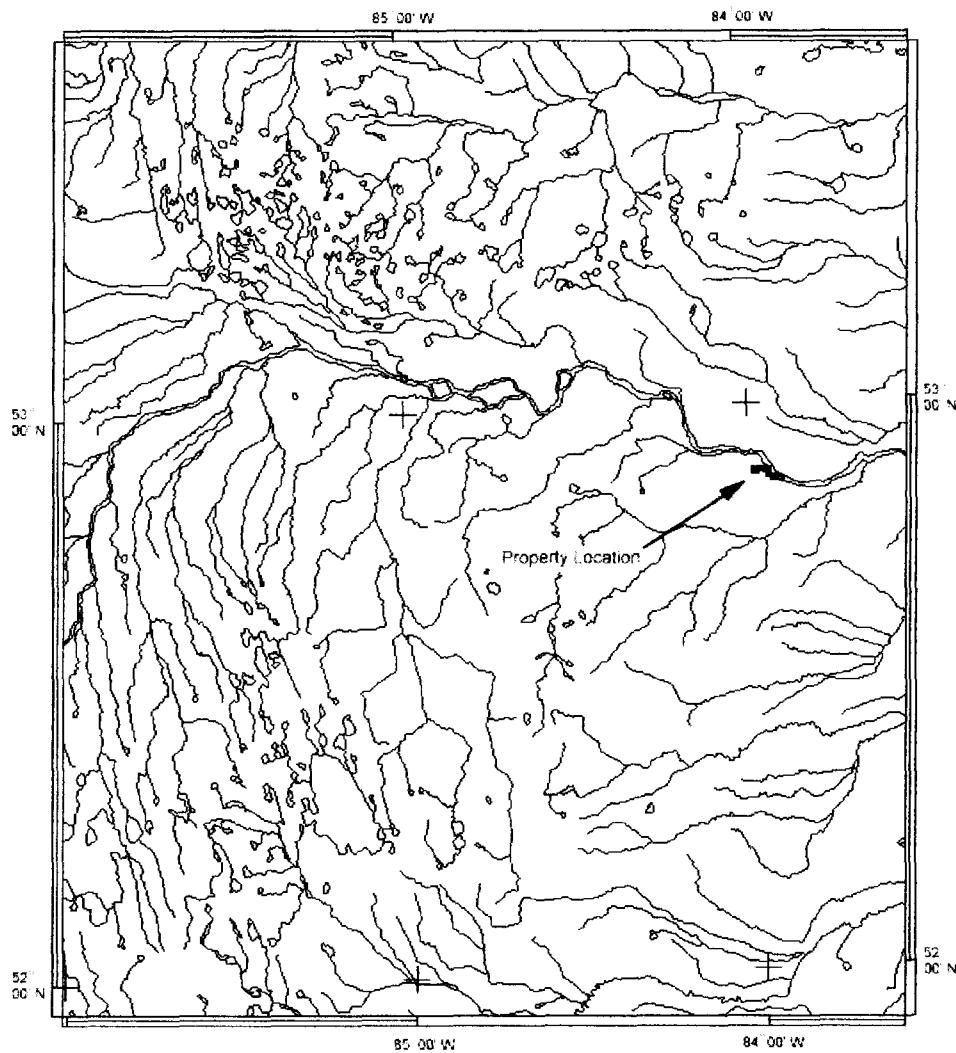


Figure 1 - Property Location Map

A map of the claim group and the ground magnetic survey grid is presented below as Figure 2.

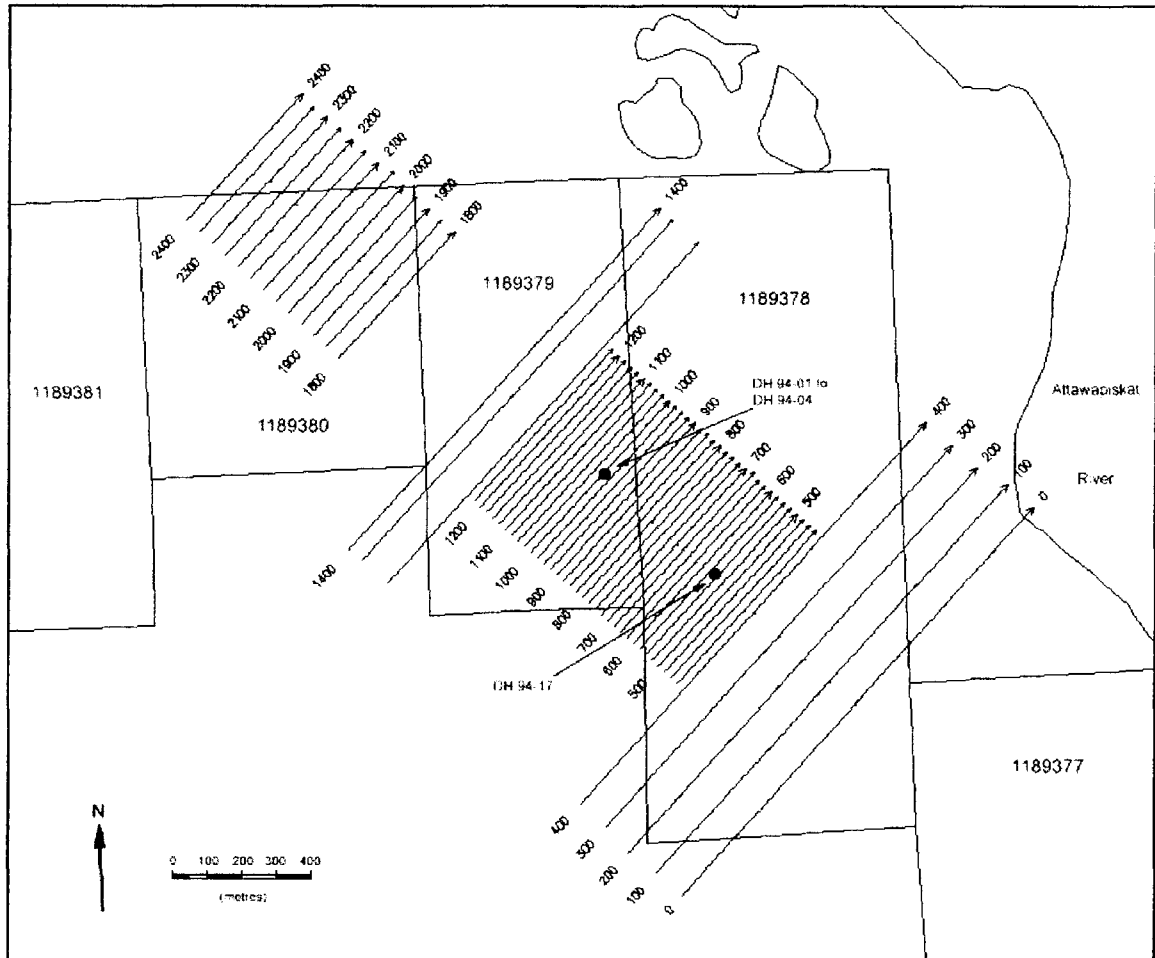


Figure 2 - Claim Map and Survey Grid

### 3 ANALYSIS PROCEDURE APPLIED

The magnetic data was available in digital profile format, corrected for diurnal variation. The profile data was interpolated using the SI-GRID process, a gridding technique developed by Scott Hogg & Associates Ltd. A total field magnetic map was produced with a 2nT contour interval as presented in figure 3.

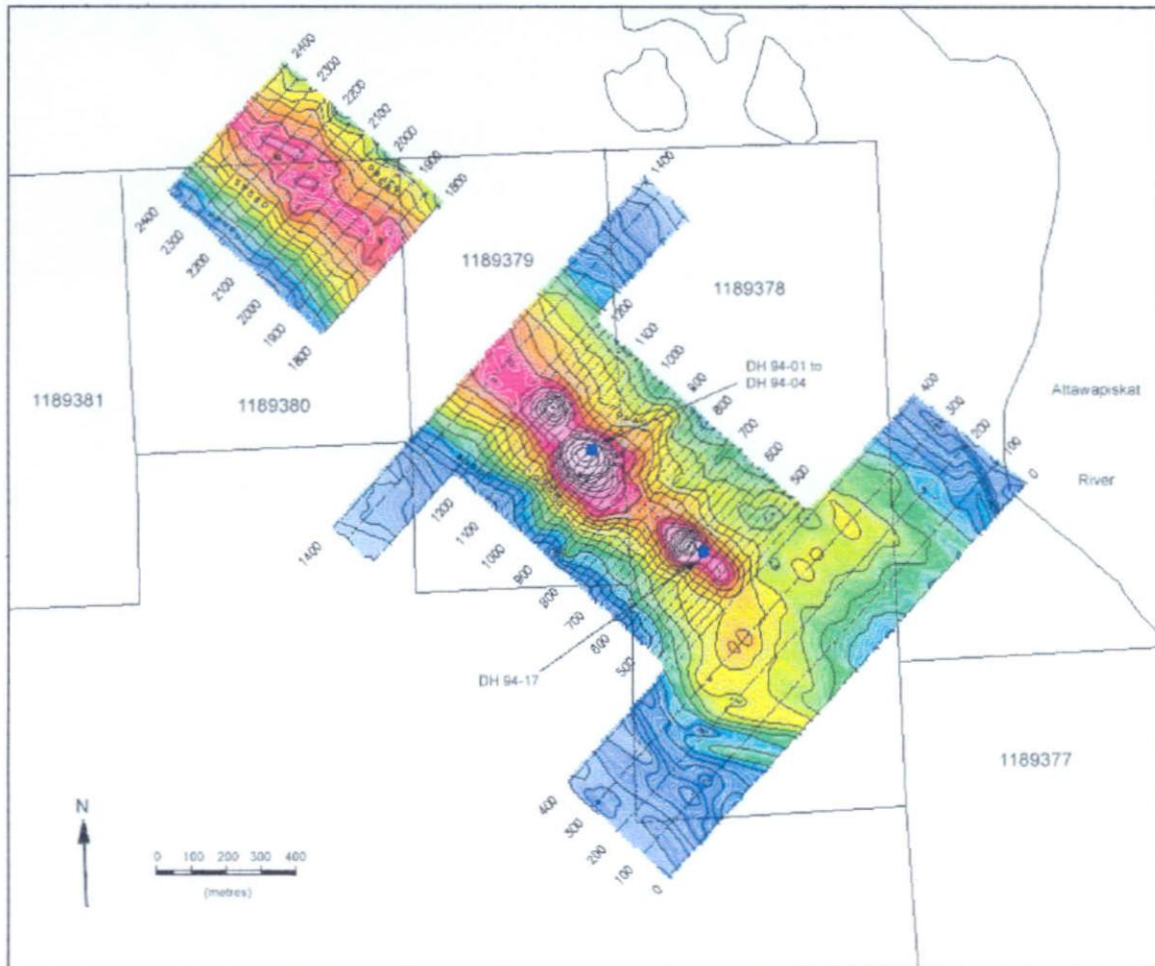


Figure 3 - Total Magnetic Field with 2, 10 and 50 nT Contours

The dominant feature of the map is a magnetic linear trending NW-SE upon which are superimposed several stronger ovoid anomalies. The MacFadyen 1 kimberlite pipe is associated with one of these features centered on line 1000 and drill tested by holes 94-01 to 94-04 as indicated. The MacFadyen 2 kimberlite pipe, at line 600, was tested by the indicated drill hole 94-17.

One objective of the interpretation was to improve the delineation of the MacFadyen pipes and possibly identify other shallow kimberlites. A second objective was to analyze

the underlying linear magnetic feature and determine its relationship to the kimberlite pipes.

To facilitate profile data analysis of the superimposed pipe anomalies, a "stripping" process was adopted to separate the two anomalies. The objective was to divide the observed profile response into two components; one representing the linear feature and the other representing the shallower detail which included the kimberlite pipes. A profile or grid filter approach could not adequately separate the anomalies and the method adopted was to fit a low order spline to the deeper linear anomaly, profile by profile. The control points for the spline were located away from the shallow anomalies in order to optimize anomaly separation. The spline profiles, representing the magnetic response attributed to the deeper linear source were then modeled using the Geosoft Magmod program. The physical model was a finite strike length prism of variable dip, depth, width, thickness and susceptibility parameters. Each profile was individually fit and the body parameters as well as the associated theoretical profile were saved.

The theoretical magnetic profiles, stemming from the interpretation of the deeper linear magnetic anomaly, were subtracted from the total field profile to create a residual magnetic profile. This residual magnetic component represents the near surface magnetic response that includes the kimberlite anomalies. Maps of the deeper linear anomaly, based on the theoretical profiles are presented in figure 4 and 5, and a map of the residual response; total field minus the deeper theoretical response, is presented in figure 6. These shallow anomalies were modeled, line by line, using the same prism model as applied to the underlying linear magnetic trend. The modeling results for both the deeper linear anomaly and the shallower residual anomalies are presented in Appendix 1.

## 4 INTERPRETATION AND DISCUSSION

### 4.1 Linear Magnetic Anomaly

On most of the profiles the full lateral extent of the anomaly was not covered by the survey. Without definition of the flanks, the modeling process can become highly variable if a reference base line is not fixed. The full profile definition of the linear magnetic anomaly was best presented on the longer survey lines 1250, 1350 and 1400. These lines were modeled first and a magnetic base level and slope, that was most compatible with the three profiles, was identified and adopted for all profiles. The variable model parameters were position, dip, depth, width, thickness and susceptibility.

The model results are presented in Table 1 and the tops of the modeled prisms are shown on a total field magnetic background in Figure 4.

Line Number	Depth (m)	Half Width (m)	Dip	Thickness (m)	Susceptibility (emu)
0	172	529	90	24.5	0.00427
100	196	558	90	24.6	0.00554
200	272	576	90	45.6	0.00465
300	219	526	90	51.9	0.00378
400	257	518	90	55.6	0.00406
500	304	164	21	1767	0.00314
600	300	146	33	5997	0.00225
700	334	38.1	45	6000	0.00722
800	306	80.7	33	600	0.00469
900	320	34.8	29	406	0.01450
1000	300	99.8	36	571	0.00394
1100	266	10.5	14	185	0.07430
1200	320	12.7	38	614	0.03170
1250	327	34.2	44	715	0.01100
1350	324	71.5	27	359	0.00806
1400	268	197	32	467	0.00229
1800	320	187	69	369	0.00247
1900	337	76.4	14	132	0.01420
2000	328	225	62	53.3	0.00950
2100	330	36	50	494	0.01100
2200	320	72.9	68	481	0.00506
2300	295	15.8	58	1052	0.01730
2400	303	24.7	57	823	0.01150

Table 1 - Model Results of Deep Linear Feature - First Pass  
(note: dip is measured from the northeast horizon, 90=vertical)

A change in the nature of the total field representation as well as the first pass model results was evident between line 400 and line 700. Between lines 0 and 400 the anomaly is a broad zone without the linear characteristics evident to the northwest. The implied width is about 1 kilometre, implied depth 200 to 250 metres with a vertical

thickness of 25 to 50 metres.. These magnetic modeling results for lines 0 to 400 suggest a flat lying magnetic source that could be a sill or a local basement uplift.

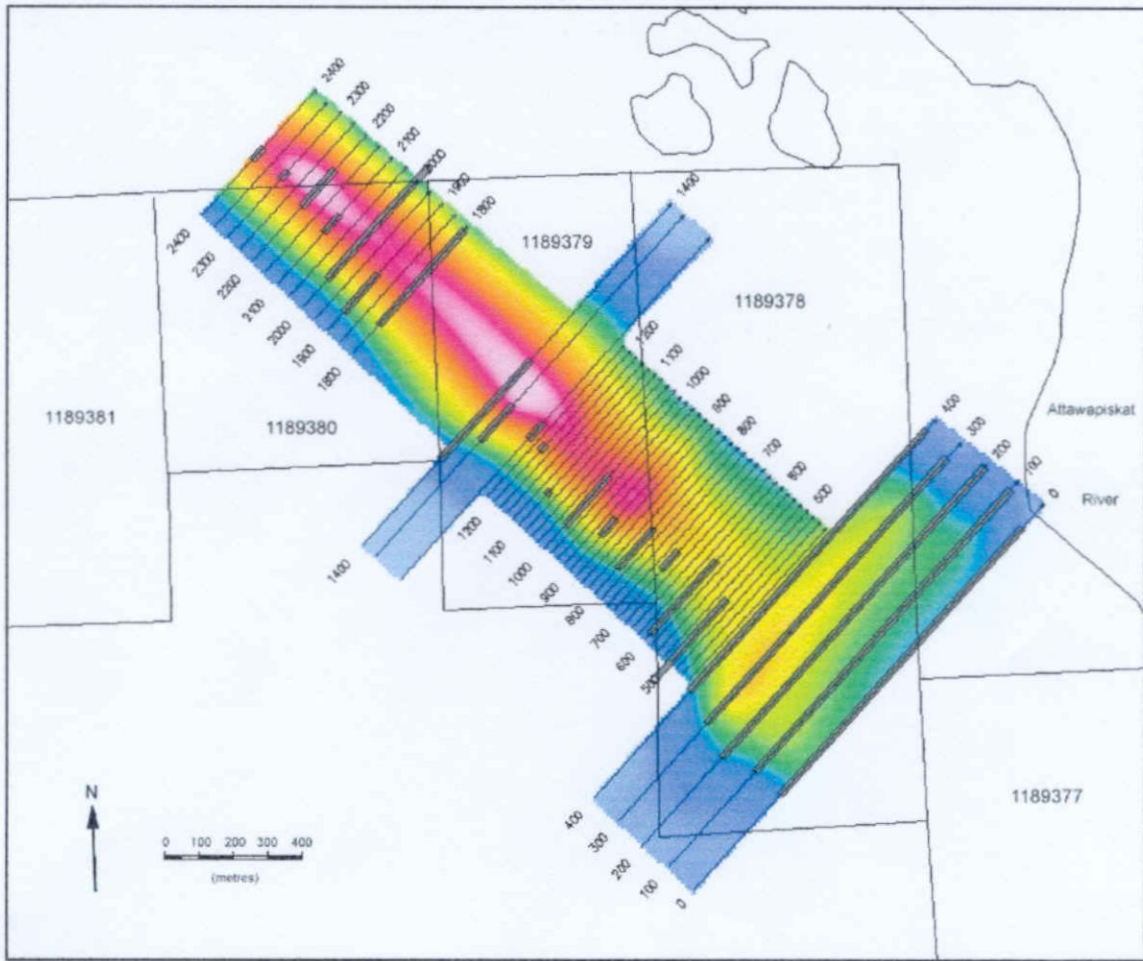


Figure 4 - Deep Linear Feature, First Pass Model  
(Showing Tops of Modeled Bodies)

The linear feature starts to become well defined about Line 700 and continues to the northwest margin of the survey area. The modeled depth is generally in the range of 300 to 330 metres and the vertical thickness sufficiently large to imply a source of significant depth extent. The estimated horizontal width ranges between 20 and 400 metres and this variability is attributed to the width being a poorly determined and hence unstable model parameter, not geological variation. The same instability is evident in the susceptibility estimates that range from 0.002 to 0.03 emu. A transition of modeled dip, from about 60 degrees in the northwest to about 30 degrees to the southeast may reflect a real geological change.

A second pass modeling operation was carried out with a reduced number of variables. The width of the body was fixed at 100 metres and the vertical thickness (depth extent) was set to 2000 metres. The modeling of intermediate lines profiles (xx+50 NW) was carried out using the same magnetic base line as above. The results are presented in



table 2 and figure 5. From line 650 to line 2350 the values for susceptibility, depth and dip are quite stable. The modeled susceptibility is 0.005 emu plus or minus about 20 percent. If the width of the feature were increased, these susceptibility values would decrease or if the width were decreased these values would increase such that the product of susceptibility and width remain near constant. Discounting the calculated depths on lines 450 to 650 near the end of the linear, the results consistently imply a source depth of about 280 metres below surface. As in the first modeling pass, there is a suggestion that the dip decreases from about 60 degrees in the northwest to perhaps 40 degrees towards to southeast end of the linear. The results on lines 450 and 550 reflect the transition towards the flat lying characteristics, evident on lines 0 to 400.

Line Number	Depth (m)	Half Width (m)	Dip	Thickness (m)	Susceptibility (emu)
450	385	50	21.5	2000	0.01160
550	344	50	27.8	2000	0.00828
650	347	50	44.5	2000	0.00583
750	312	50	41	2000	0.00584
850	297	50	44.5	2000	0.00579
950	302	50	51.5	2000	0.00565
1050	274	50	37.2	2000	0.00628
1150	273	50	35.9	2000	0.00664
1850	301	50	50.7	2000	0.00563
1950	280	50	58.5	2000	0.00487
2050	278	50	56.7	2000	0.00492
2150	276	50	68.2	2000	0.00452
2250	283	50	56.6	2000	0.00506
2350	266	50	62.2	2000	0.00443

Table 2 - Deep Linear Feature - Second Pass Model Results  
(note: dip is measured from the northeastern horizon, 90=vertical)

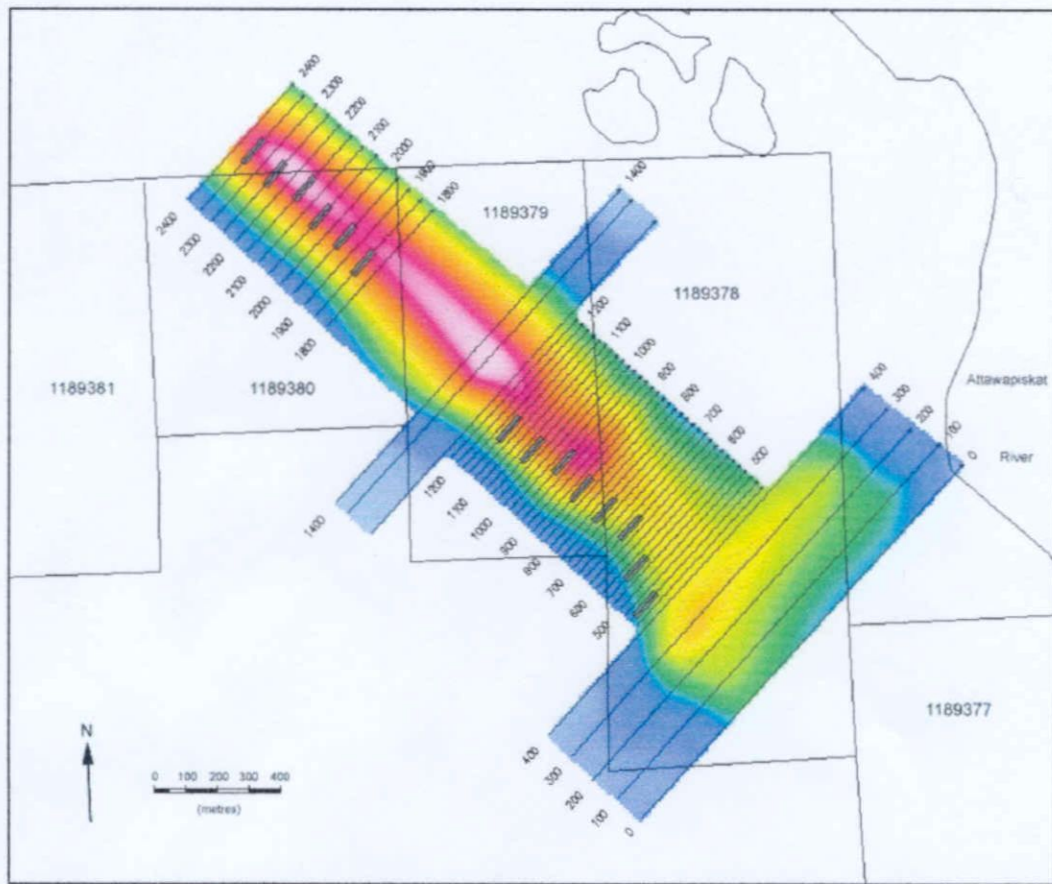


Figure 5 - Deep Linear Feature Second Pass Model  
(Showing Tops of Modeled Bodies)

## 4.2 Shallow Magnetic Anomalies

The shallow residual magnetic response, calculated by subtraction of the linear anomaly from the total field profile, was modeled line by line. A map of the residual magnetic response, together with the tops of the modeled bodies, is presented in Figure 6. It is apparent from the model results that the MacFadyen 1 pipe has two satellite features that have been designated MF1-N and MF1-S. These anomalies are almost certainly kimberlite and may be side-lobes to an irregularly shaped MacFadyen 1 pipe or discrete separate intrusives. Also apparent is a satellite to the MacFadyen 2 pipe, designated MF2-S, which also may be a side-lobe or a discrete and separate pipe.

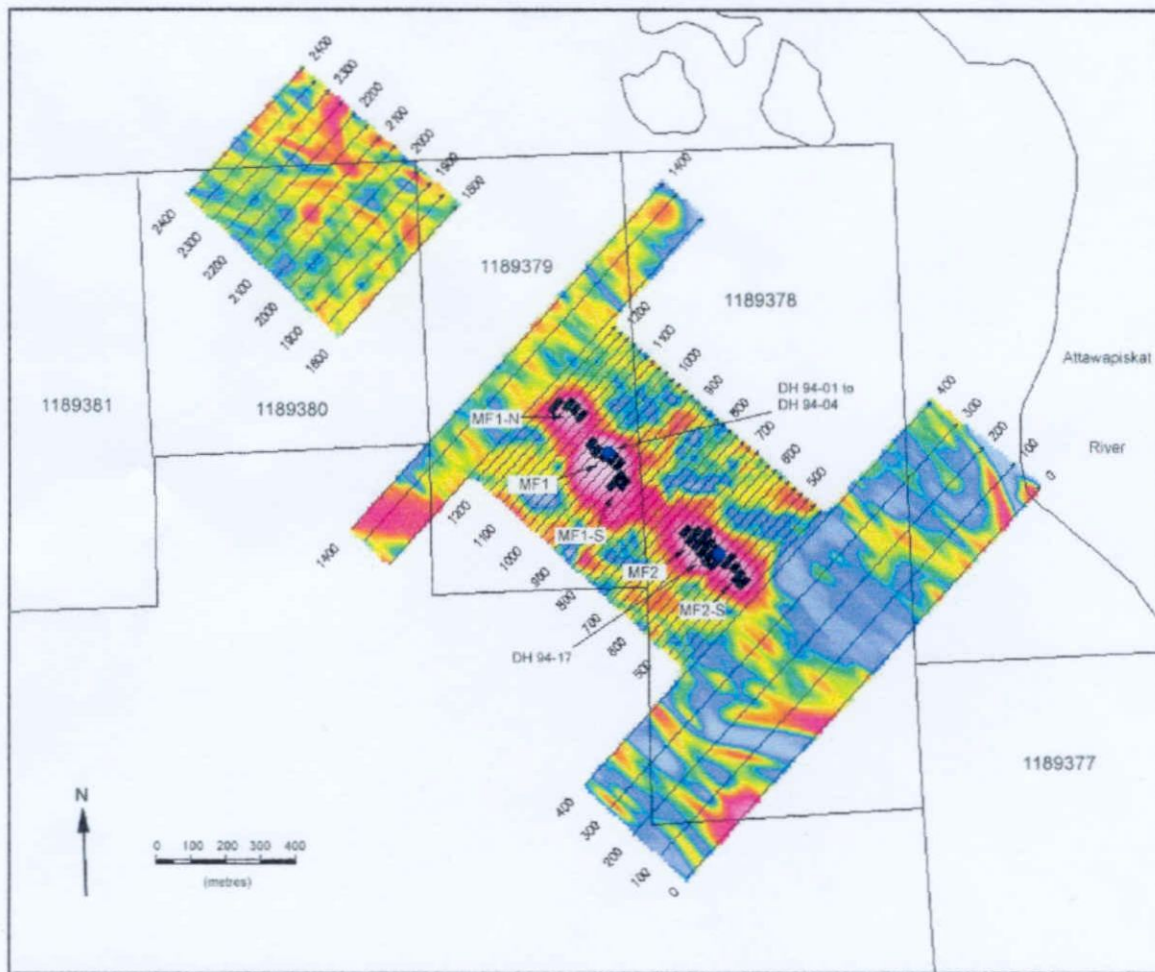


Figure 6 - Residual Magnetic Component

**MacFadyen 1**

The survey lines 975 to 1025 indicate a consistent depth of about 43 metres and are interpreted as passing over the pipe. The slight increase in depth on line 950 and 1050 is attributed to end-effect, an increase in modeled depth that occurs when a line is adjacent to but not over the causative body. The drilled depth of the pipe was 32 metres and the slightly greater modeled depth might be attributed to a more weathered and less magnetic upper layer or simply a reflection of the limitations of the magnetic method. The width of the body is reasonably indicated as about 40 metres and the dip at 110 degrees is near vertical but inclined slightly to the southwest. The susceptibility is about 0.0043 emu.

The principal profiles of the MF1-n body are lines 1150 and 1175 that provide an indicated depth of about 45 metres, similar to MF1. The increased depth of flanking lines, 1125 and 1175 is attributed to end-effect as noted above. The body displays a near vertical but slight southwest dip of about 105 degrees. For the two principal profiles the modeled results imply a limited depth extent of about 150 metres and lower susceptibility of 0.0022 emu. Experimentally the depth extent was substantially increased and little change in the susceptibility or quality of fit resulted. It is thus likely that the susceptibility of the body is less than for the MacFadyen 1 pipe and possible that the body tapers more rapidly with depth.

The MF1-s pipe has a susceptibility of 0.004 emu, similar to the MF1 pipe but a significantly greater depth of about 95 metres below surface. Again the dip is near vertical.

Body	Line No.	Depth (m)	Half Width (m)	Dip (deg)	Thickness (m)	Susceptibility (emu)
MF1-s	900	97.2	20	106	1000	0.00406
MF1-s	925	93.7	32	72.6	1000	0.00345
MF1	950	54.7	20	127	2699	0.00359
MF1	975	45.7	20	123	1000	0.0043
MF1	1000	42.7	20	109	2873	0.00466
MF1	1025	42.4	17.9	92.1	3310	0.00429
MF1	1050	54.6	18	117	152	0.00339
MF1-n	1125	54.4	20	109	1000	0.0016
MF1-n	1150	43.8	15.3	107	170	0.00222
MF1-n	1175	51.3	20	104	141	0.00221
MF1-n	1200	65.1	25	67.2	2377	0.00143

Table 3 - Model Results for MacFadyen 1

## MacFadyen 2

The model results over the MacFadyen 2 pipe indicate a depth of about 40 metres below surface on the three principal profiles; 575, 600 and 625. The deeper depths on lines 550, 650 and 675 may be attributed to end-effect. The drilled depth of MacFadyen 2 was 96m, but as seen in Figure 6, the hole was not centered on the body and may have entered the side of the pipe at depth. The indicated dip is near vertical and the susceptibility is about 0.0013 emu, about 25 percent of that estimated for MacFadyen 1.

The MF2-s body appears to be somewhat deeper with indicated depths of 50 metres on the principal lines 475 and 500. The apparent dip is near vertical but inclined slightly to the northeast. The susceptibility of 0.0018 emu is slightly higher than that of MF2.

Body	Line No.	Depth (m)	Half Width (m)	Dip (deg)	Thickness (m)	Susceptibility (emu)
MF2-s	425	85.8	28.7	67.8	2558	0.0023
MF2-s	450	64.9	20	60	2934	0.0023
MF2-s	475	50.8	21.7	68.1	2876	0.00153
MF2-s	500	49.8	15	83.7	2602	0.00189
MF2-s	525	66.9	25	94.8	2000	0.00193
MF2	550	56.5	24	44.4	2622	0.00201
MF2	575	42.4	34	72.9	1000	0.00144
MF2	600	37.9	33.7	92.3	2623	0.00146
MF2	625	40.3	38.8	108	1574	0.00114
MF2	650	50.4	32	93.4	2434	0.00122
MF2	675	52.5	17.9	83.2	2255	0.00176

Table 4 - Model Results for MacFadyen 2

## 5 CONCLUSIONS AND RECOMMENDATIONS

The interpretive map presented in figure 7 presents an interpretation of the model results presented and discussed above.

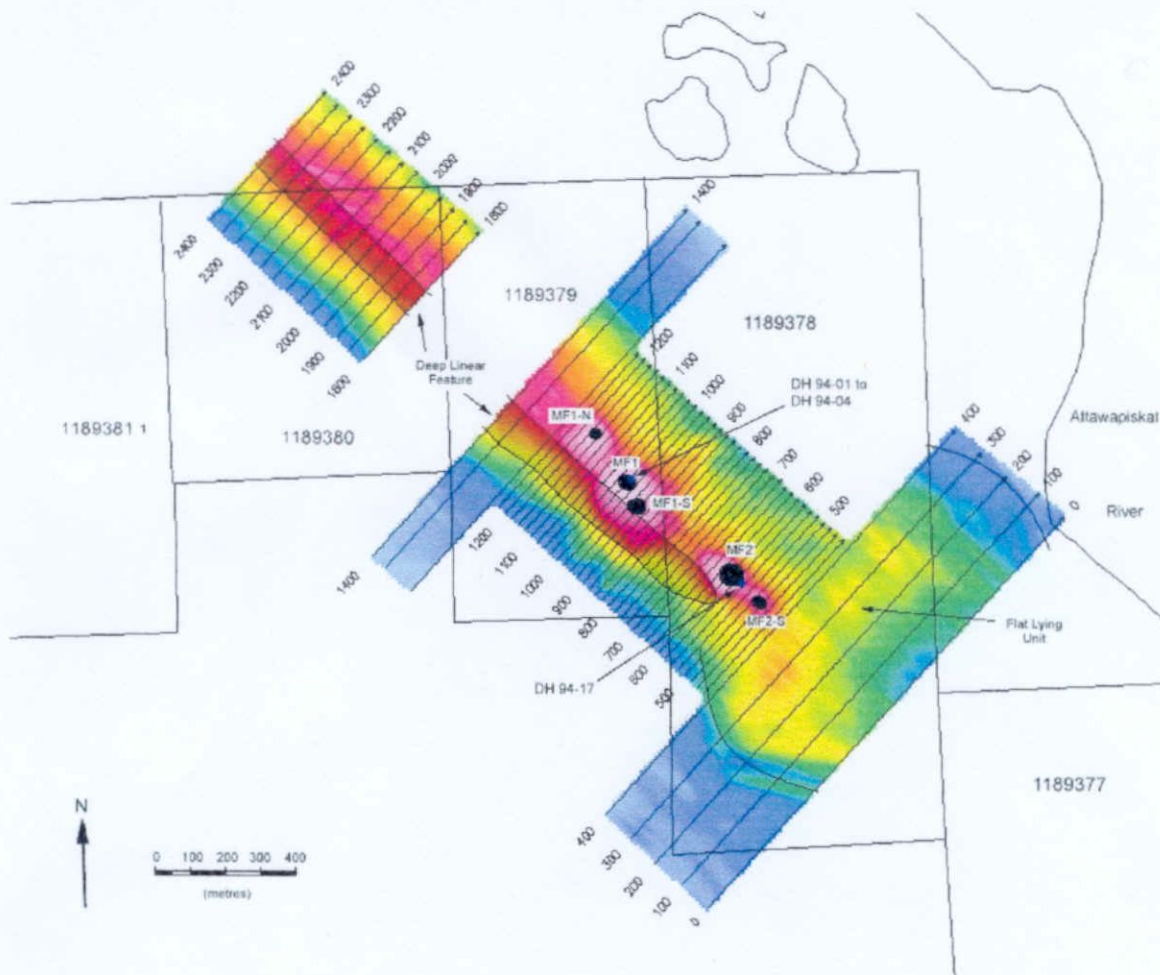


Figure 7 - Interpretation

The MacFadyen 1 and 2 anomalies are associated with drill tested kimberlite pipes. They are presumed to be ovoid in shape with their dimension in a southwest-northeast direction determined by the modeled width and their dimension in the northwest-southeast direction estimated from the indications of significant end-effect. Their overall interpreted properties are summarized in the following table.

Kimberlite	Width(sw-ne)	Width(se-nw)	Depth(m)	Dip(from ne)	Susc(emu)
MF1-s	50	50	95	90	0.0037
MF1	40	50	42	110	0.0043
MF1-n	35	35	45	105	0.0022
MF2-s	35	50	50	75	0.0017
MF2	70	70	40	90	0.0014

Table 5 - Interpretation Summary for Kimberlite Pipes

With the exception of MF1-s, the depths are all close to 40 metres and it is likely that the kimberlite comes to the surface comes to the top of the Paleozoic surface, at the base of the glacial cover. In the case of MF1-s, it is possible that the intrusive has not fully penetrated the Paleozoic but more likely that a less magnetic crater facies and/or locally thicker glacial cover is the cause of the greater depth. The bodies are sufficiently close together that they may simply represent a complex surface shape for a single intrusive or they may be multiple surface vents for a common root system. The possibility of separate events of different age is also possible; the most likely candidate for such a possibility is MF1-n which has the greatest contrast in susceptibility or MF1-s which is distinctive in terms of apparent depth.

The underlying linear anomaly is depicted on the interpretation map. The modeled depth of 275 to 300 metres is considered reasonable for the Archean surface in the area. The 100 metre width, established for the second pass modelling, is considered reasonable but arbitrary. It is possible that the geologic source is a dyke that is only a few metres thick but with higher susceptibility or the source is a wider or banded formation of lower susceptibility. The modeled susceptibility of 0.005 emu is slightly higher than that of the MF1 pipe and about three times greater than that of MF2. If the linear source were kimberlitic with the magnetic susceptibility of MF1 its implied width would be about 80 metres or about 30 metres if the susceptibility of MF2 is considered. Widths of 30 to 80 metres are not typical for kimberlite dykes but not out of the question.


The interpreted flat lying magnetic unit at the southeast end of the survey is of potential kimberlite significance. The first pass model results suggest a flat lying source at a depth of about 250 metres with a vertical thickness of about 40 metres. Physically this would represent a magnetic source, 40 metres thick, lying on or just above a depth of 290 metres. Geologically this could be indicative of a local basement high, rising 40 metres above the surrounding basement surface at a depth of 290 metres. Alternatively it could represent a sill of 40 metre thickness on or slightly above the Archean basement. The modelled susceptibility of 0.0045 emu is close to that of the MF1 kimberlite, a factor that adds further support to the kimberlite sill concept.

### Recommendations

The interpreted MF1-s, MF1-n and MF2-s magnetic anomalies definitely warrant drill testing. If they do not represent fully independent kimberlite intrusives they are at least indicative of zones within a pipe that might have different rock properties and hence different diamond grades.

The deeper magnetic features may or may not be of kimberlitic composition. The location of both the linear and sill like feature, close to confirmed kimberlites is favourable. The modeled depths for the linear and sill or basement high are comparatively consistent and in line with depth expectations for the Archean surface. Also, the apparent susceptibilities are reasonably in line with those of the kimberlite pipes. The strongest interpretive factor against a kimberlite source is the implied width of the linear 30-80 metres or vertical thickness of the sill, 40 metres; dimensions greater than expected for most kimberlite dykes and sills. Conversely, if proven to be kimberlite, the larger dimensions would add to their possible economic potential and justify a drill test.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Scott Hogg". The signature is fluid and cursive, with a large, sweeping flourish at the end.

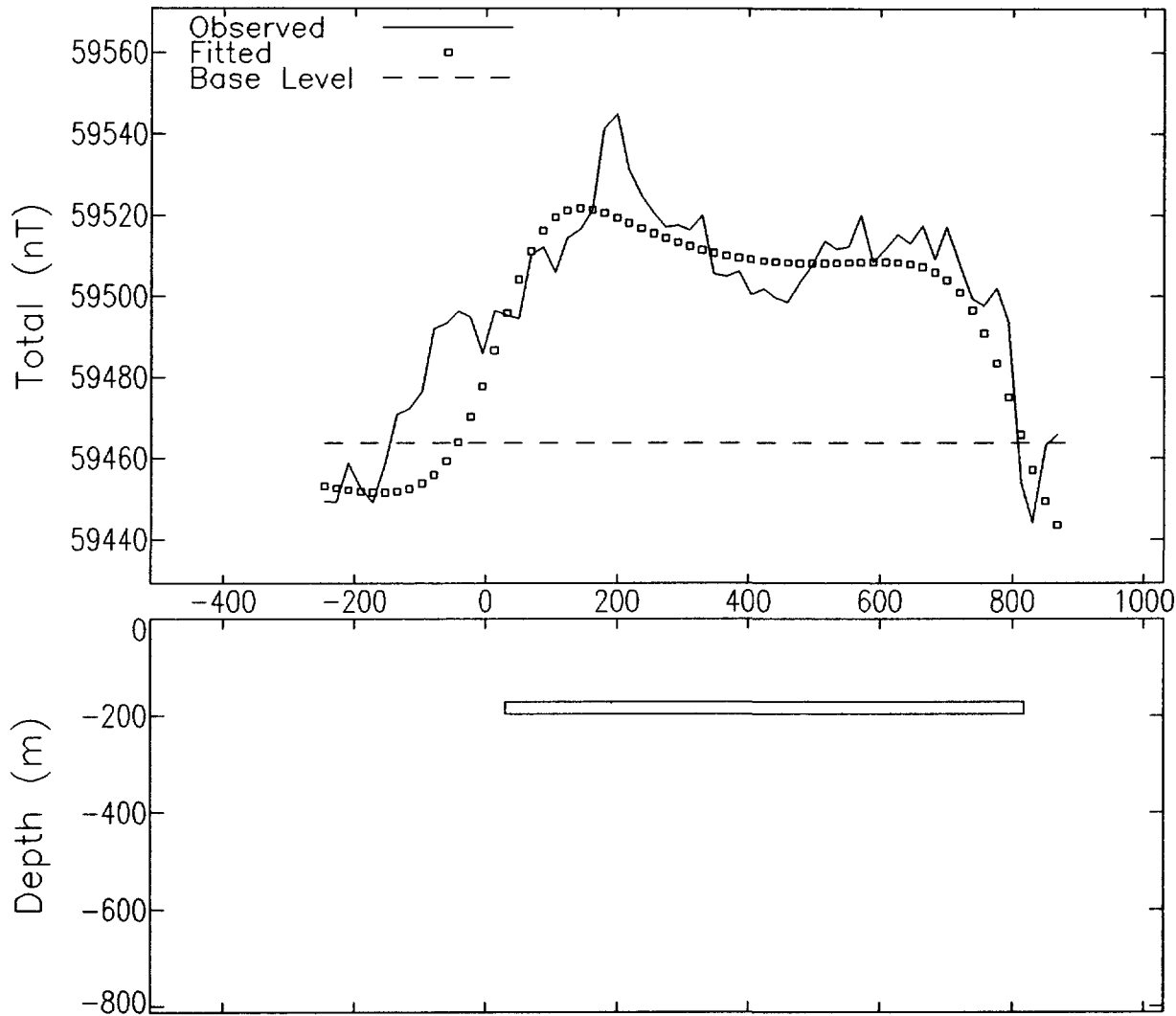
Scott Hogg, P.Eng.  
Scott Hogg & Associates Ltd.  
Toronto, Canada  
July 25, 2001



## **APPENDIX 1 a) Model Results for Deep Linear Anomaly, First Pass**

A-15 - Total Field Profile  
L0+00 NW

2.24050



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	172 m
Half Width	F	529 m
Half Length	X	1000 m
Offset	X	0 m
Dip	X	90 deg
Thickness	L	24.5 m
Susceptibility	F	0.00427 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	423.9704 m
Cross Position	X	706102.1 m
Base Level	F	59463.7 nT
Base Slope	X	0 nT/m

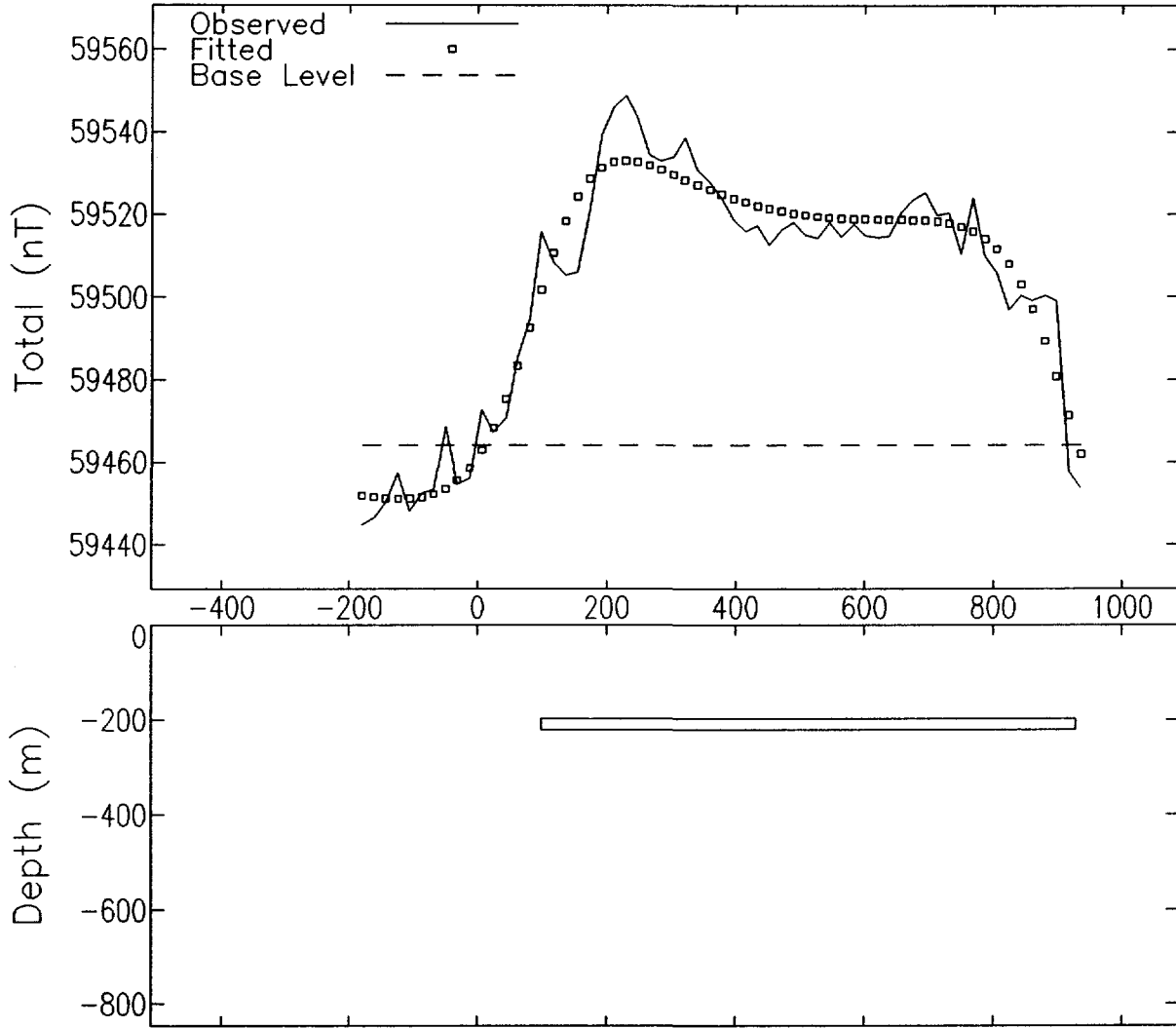
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Total Field Profile  
L1+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	196 m
Half Width	F	558 m
Half Length	X	1000 m
Offset	X	0 m
Dip	X	90 deg
Thickness	F	24.6 m
Susceptibility	F	0.00554 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	513.5558 m
Cross Position	X	706048.2 m
Base Level	F	59464.12 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

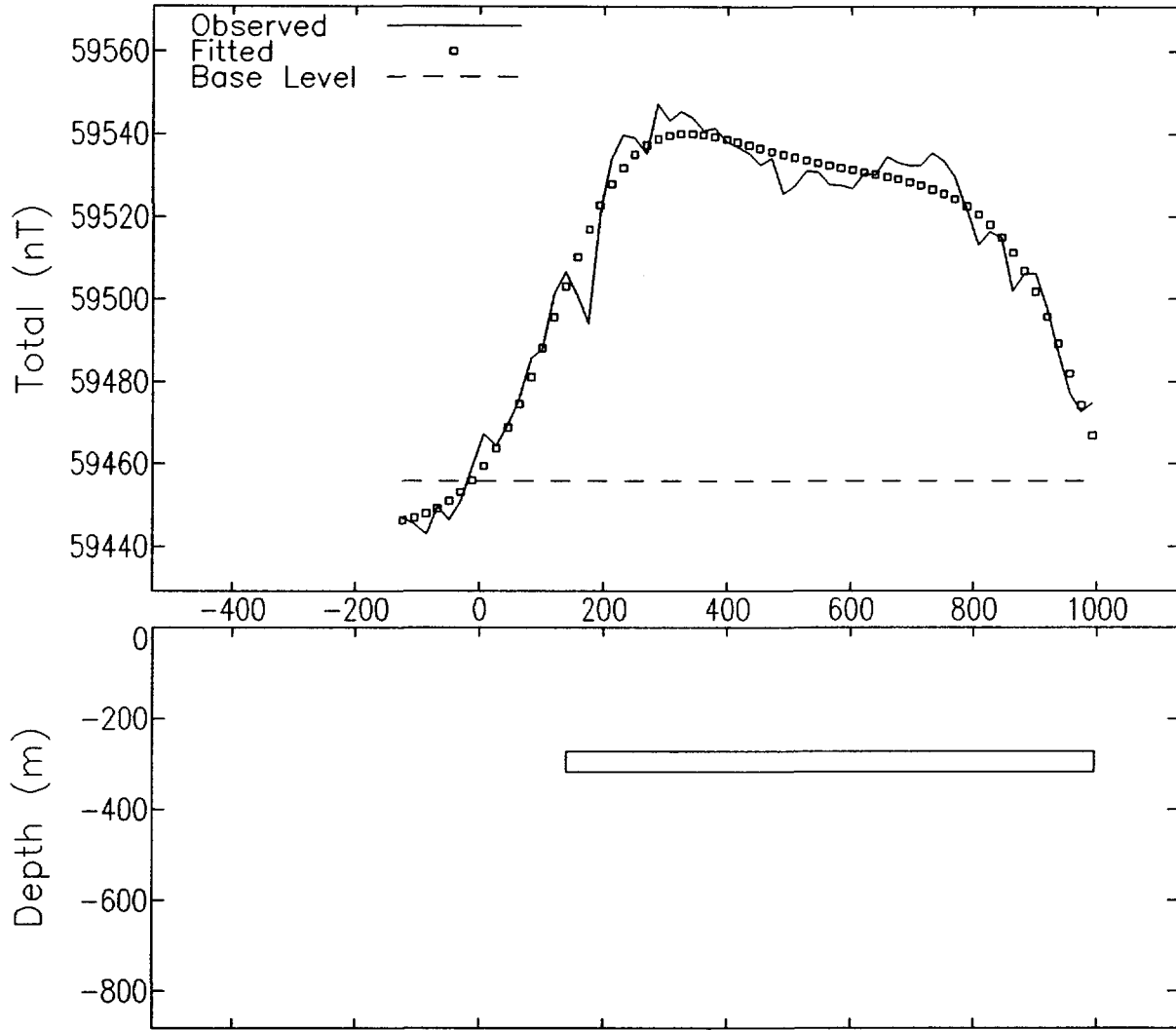
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - Total Field Profile

## L2+00 NW



**MODEL PARAMETERS:**

Model Type		Tabular2
Depth	F	272 m
Half Width	F	576 m
Half Length	X	1000 m
Offset	X	0 m
Dip	X	90 deg
Thickness	F	45.6 m
Susceptibility	F	0.00465 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	568.0049 m
Cross Position	X	705963.2 m
Base Level	F	59455.93 nT
Base Slope	X	0 nT/m

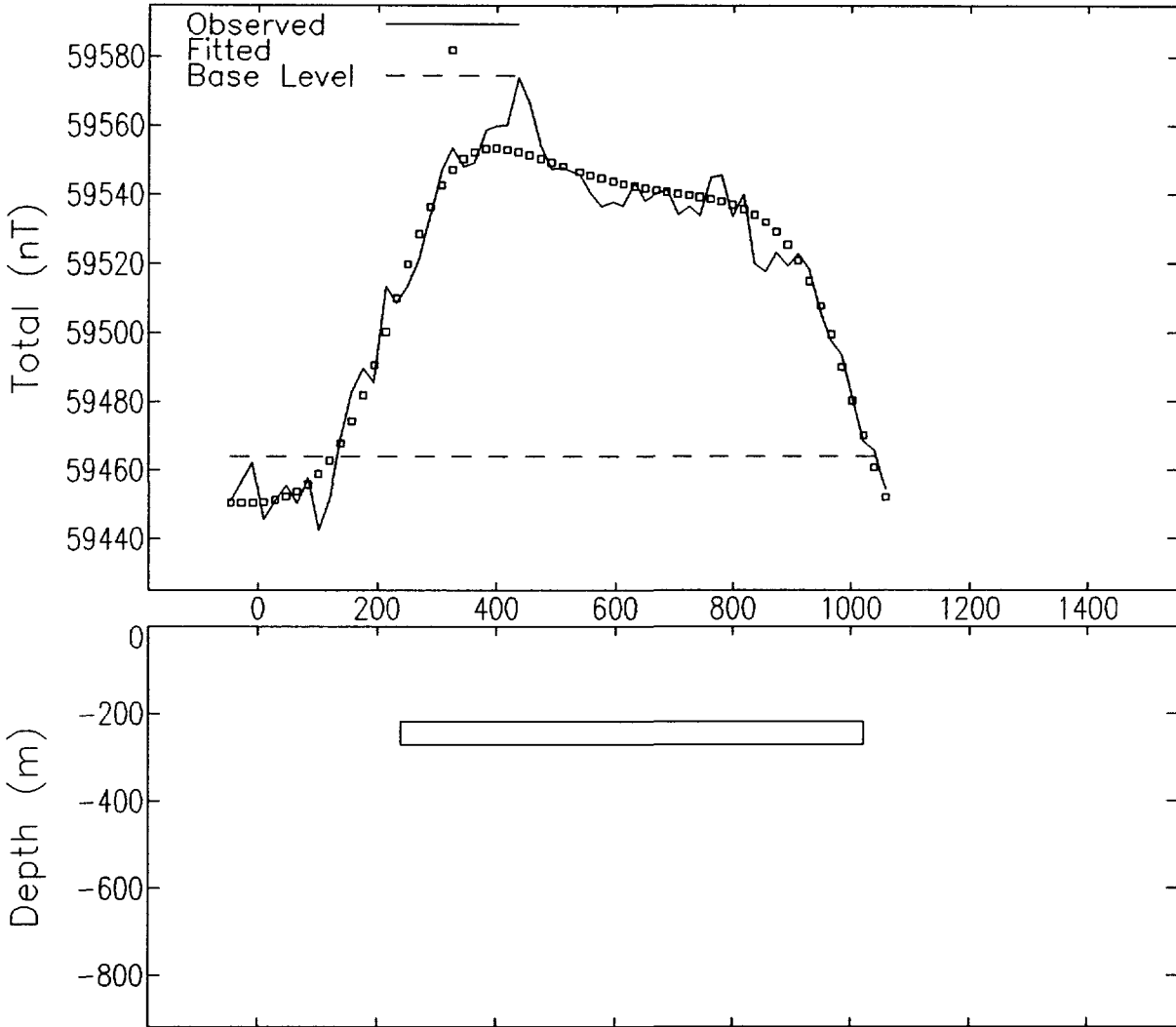
**GEOMAGNETIC FIELD:**

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

**COORDINATES:**

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Total Field Profile  
L3+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	219 m
Half Width	F	526 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	90 deg
Thickness	F	51.9 m
Susceptibility	F	0.00378 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	631.045 m
Cross Position	X	705885.1 m
Base Level	F	59463.91 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

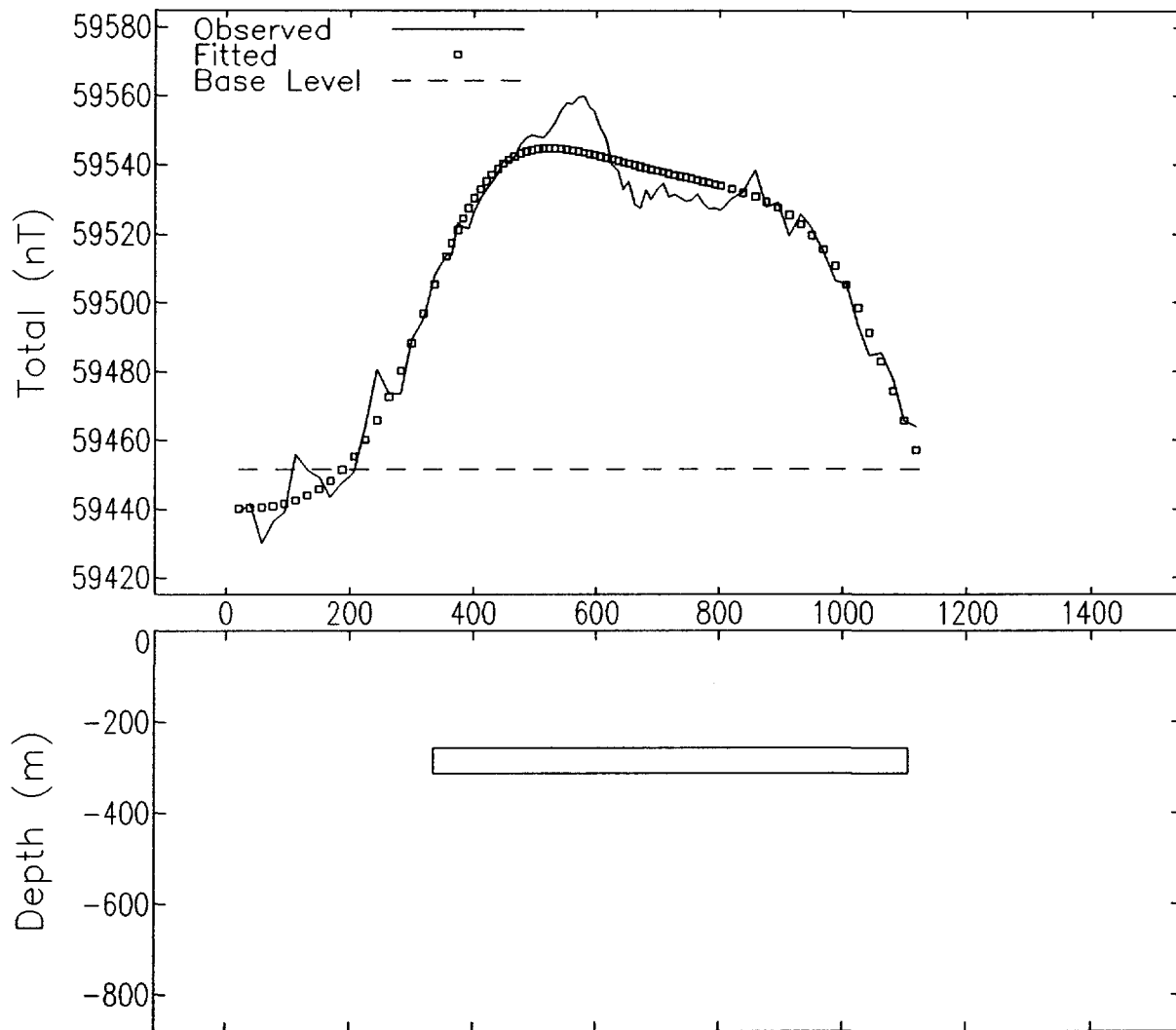
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Total Field Profile  
L4+00 NW

2.24050



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	257 m
Half Width	F	518 m
Half Length	X	1000 m
Offset	X	0 m
Dip	X	90 deg
Thickness	F	55.6 m
Susceptibility	F	0.00406 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	720.6404 m
Cross Position	X	705830.9 m
Base Level	F	59451.59 nT
Base Slope	X	0 nT/m

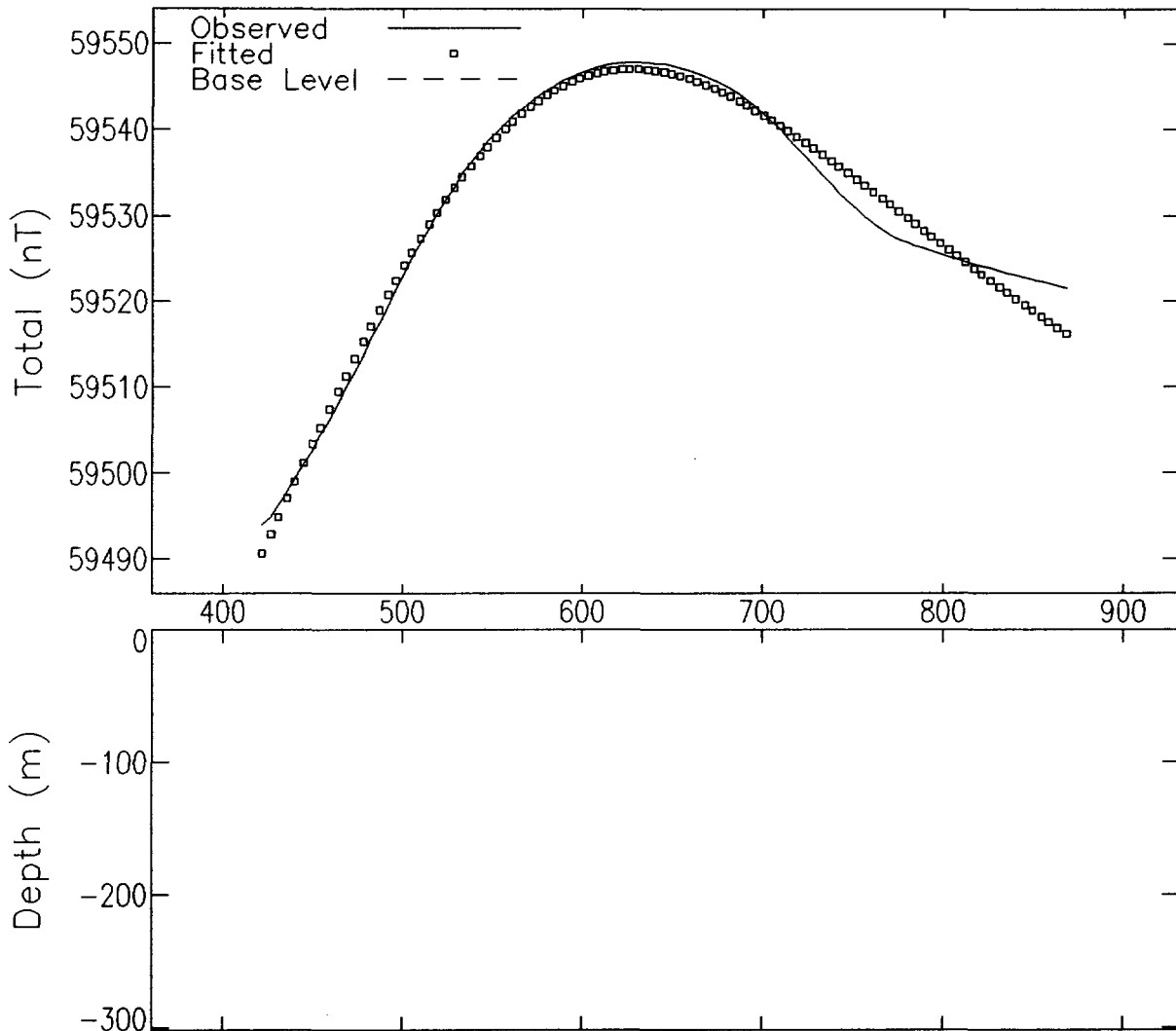
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L5+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	304 m
Half Width	F	164 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	21 deg
Thickness	F	1767 m
Susceptibility	F	0.00314 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	482.6537 m
Cross Position	X	705482.3 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

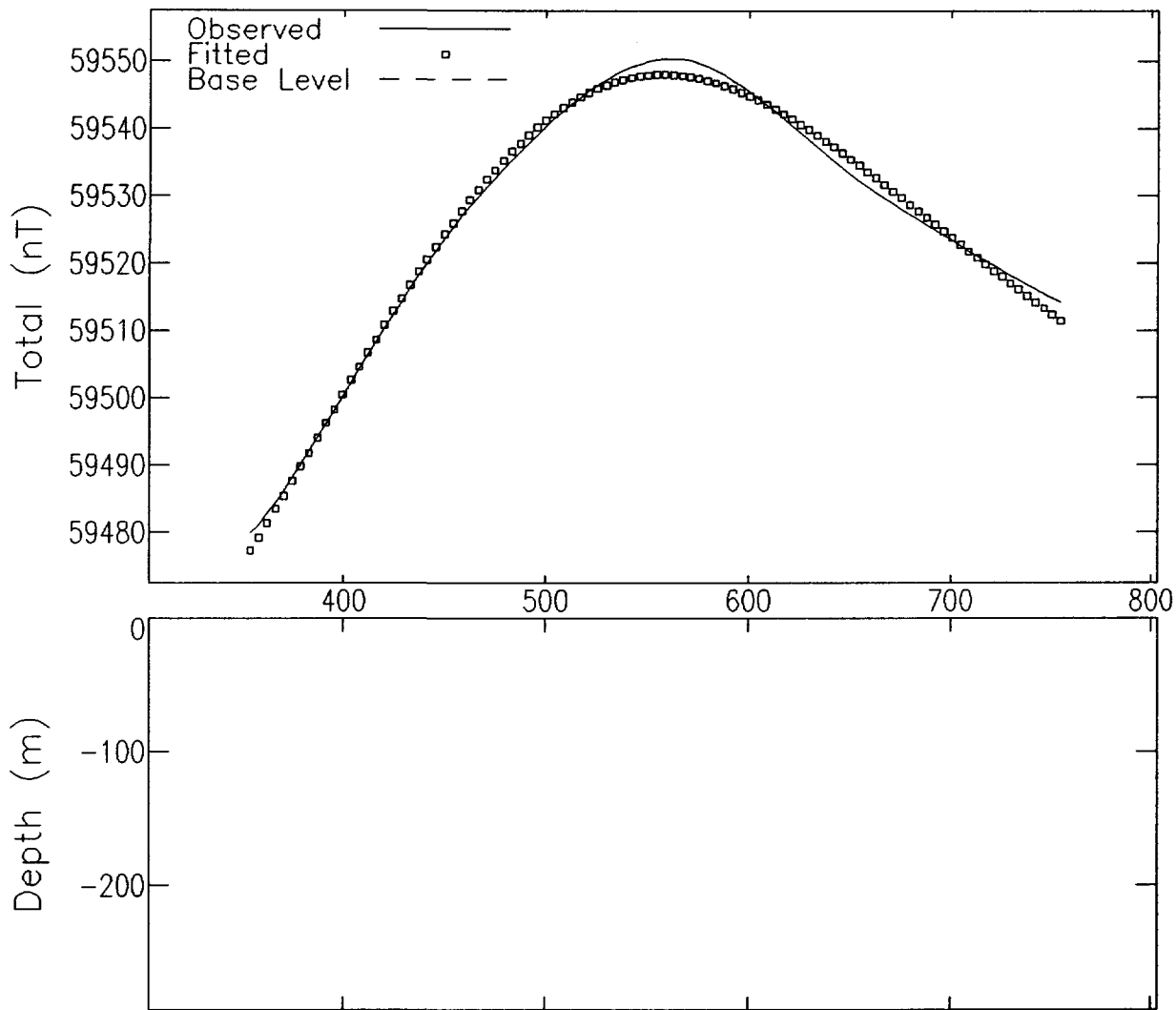
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L6+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	X	300 m
Half Width	F	146 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	33 deg
Thickness	L	5997 m
Susceptibility	F	0.00225 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	464.2826 m
Cross Position	X	5862612 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

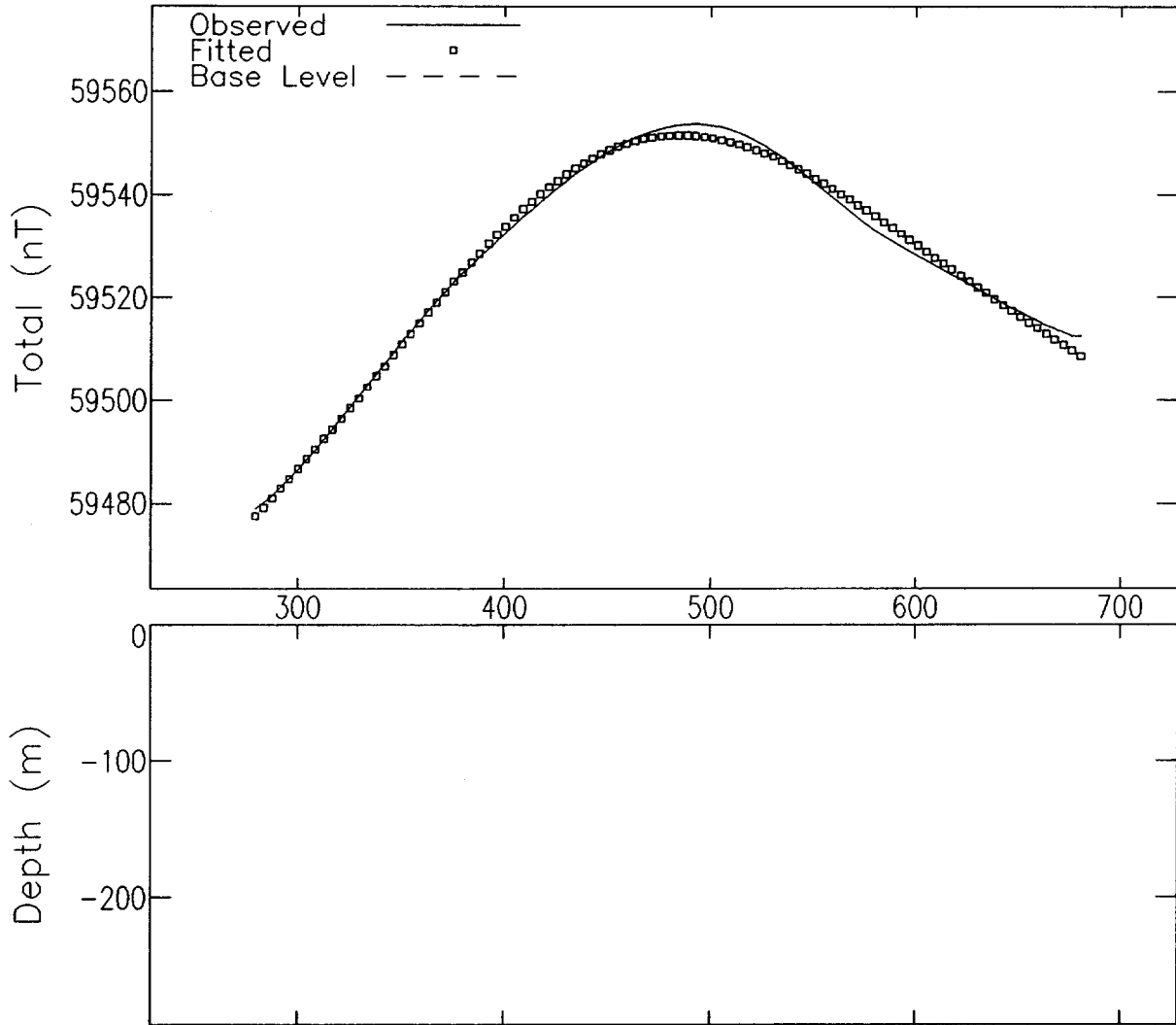
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	



A-15 - Deep Linear Feature  
L7+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	334 m
Half Width	F	38.1 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	45 deg
Thickness	L	6000 m
Susceptibility	F	0.00722 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	425.2504 m
Cross Position	X	5862719 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

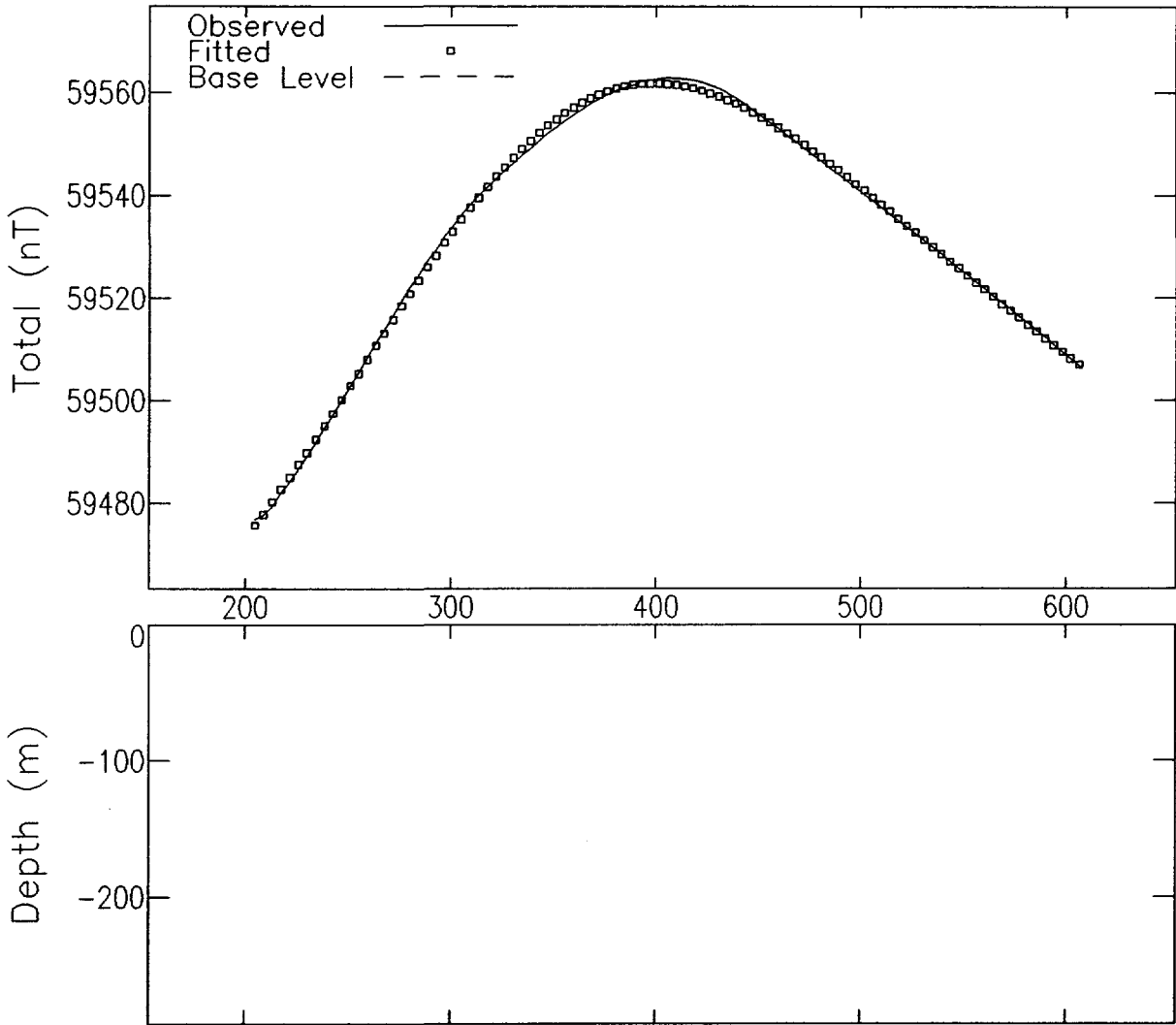
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L8+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	306 m
Half Width	F	80.7 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	33 deg
Thickness	F	600 m
Susceptibility	F	0.00469 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	322.5324 m
Cross Position	X	5862754 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

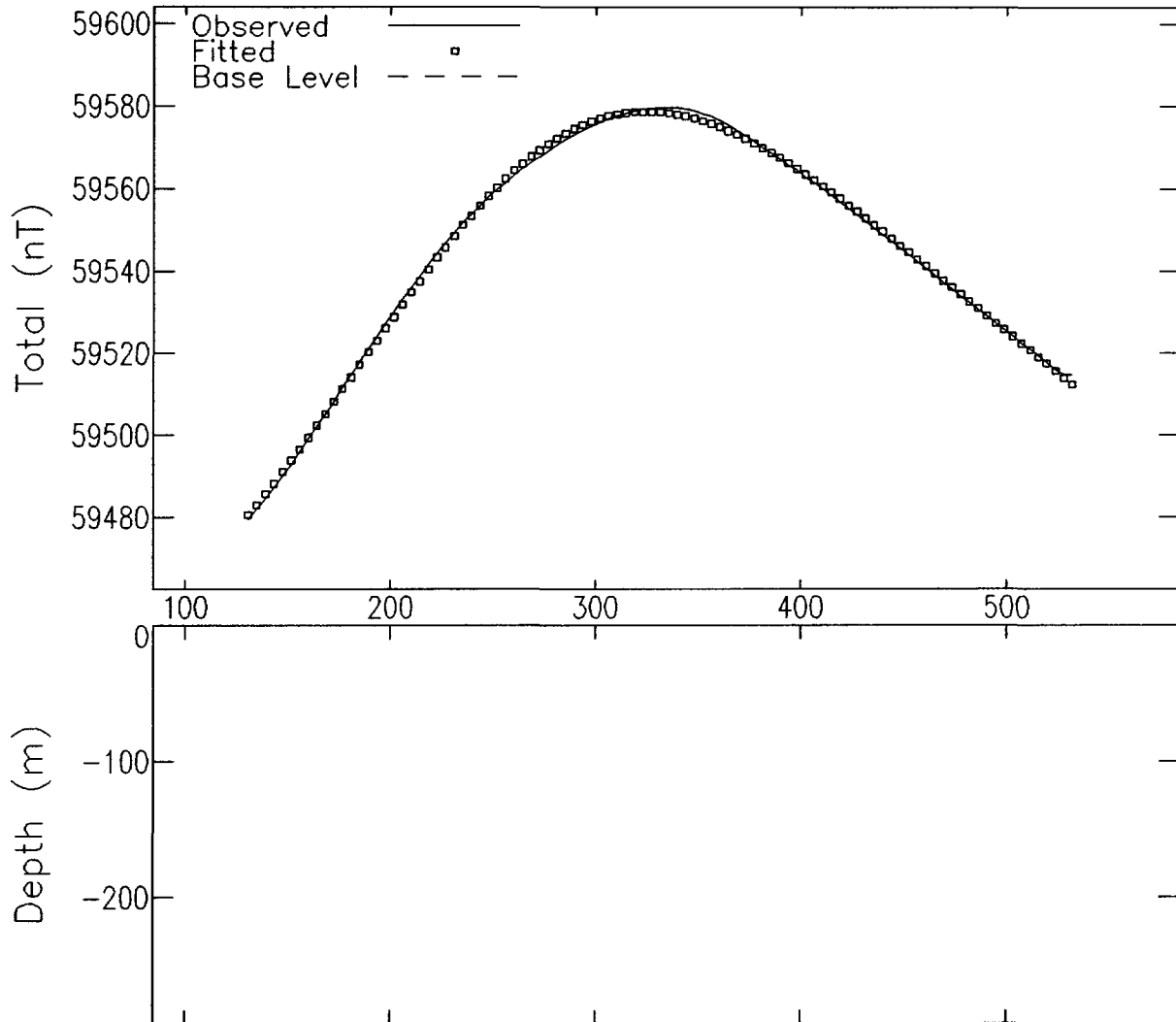
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L9+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	320 m
Half Width	F	34.8 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	29 deg
Thickness	F	406 m
Susceptibility	F	0.0145 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	244.3207 m
Cross Position	X	5862817 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

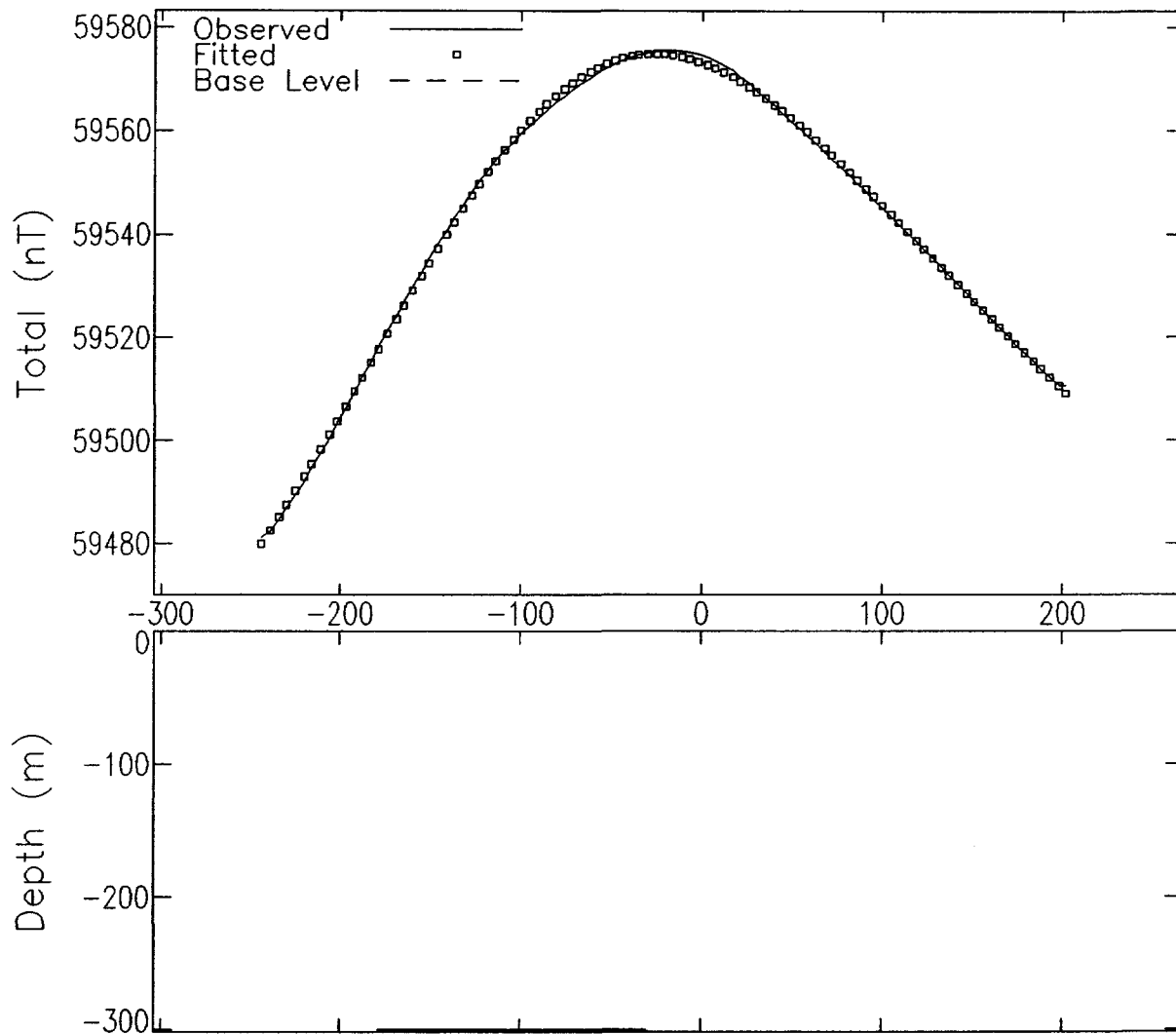
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L10+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	300 m
Half Width	F	99.8 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	36 deg
Thickness	F	571 m
Susceptibility	F	0.00394 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-104.6128 m
Cross Position	X	705181.6 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

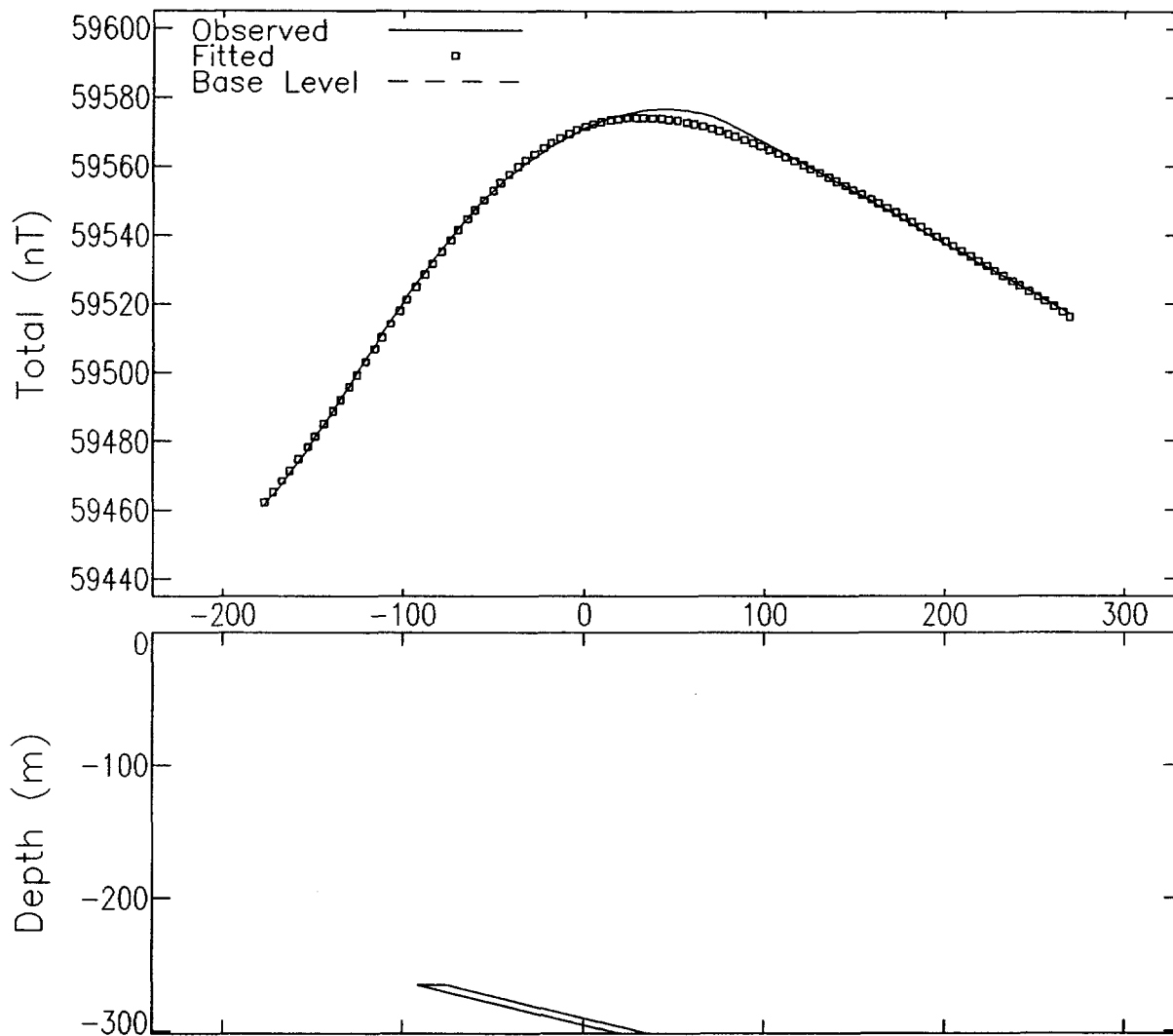
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L11+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	266 m
Half Width	L	10.5 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	14 deg
Thickness	F	185 m
Susceptibility	F	0.0743 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-83.64087 m
Cross Position	X	705065.9 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

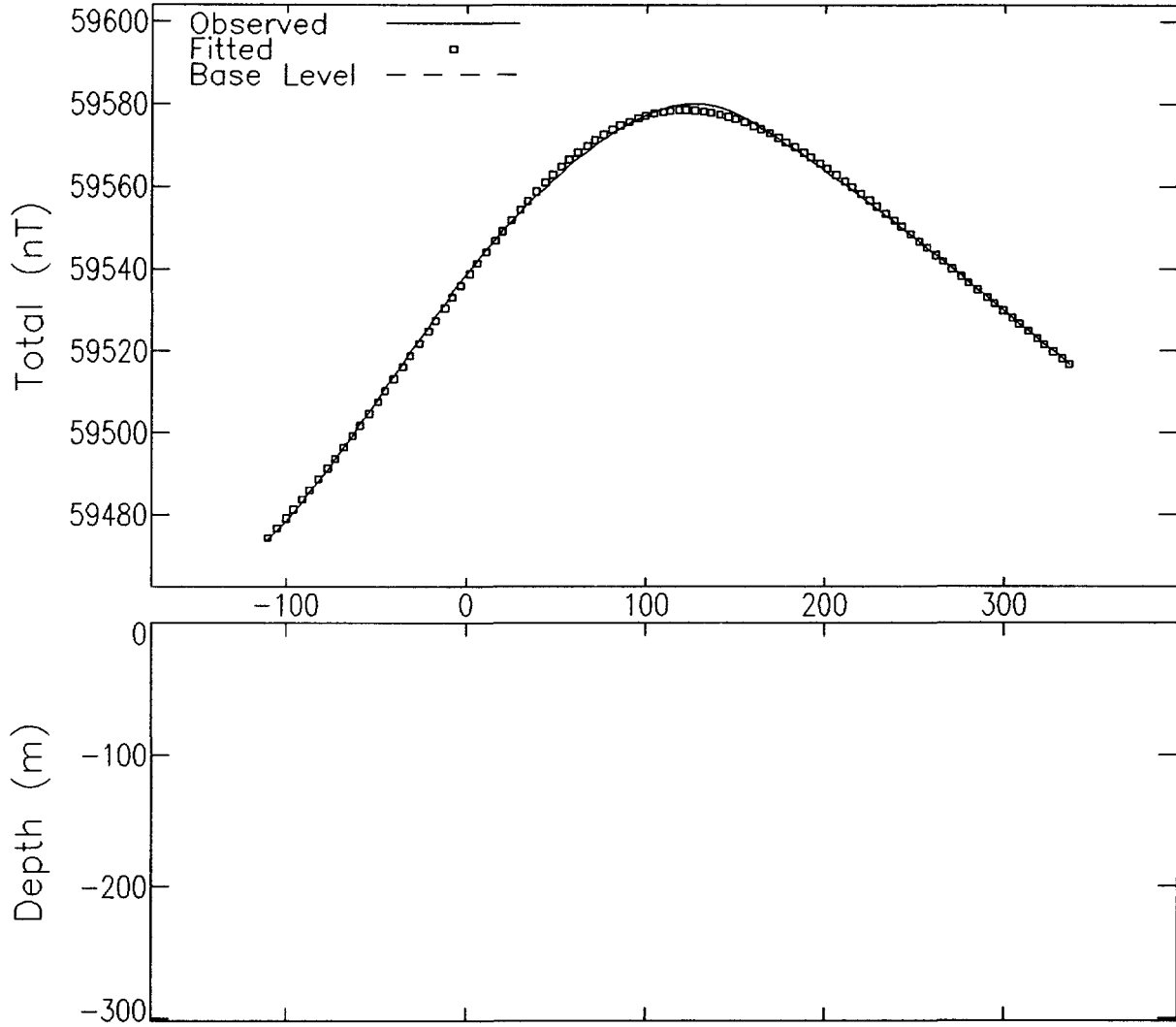
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L12+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	320 m
Half Width	F	12.7 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	38 deg
Thickness	F	614 m
Susceptibility	F	0.0317 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	49.25546 m
Cross Position	X	705050.8 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

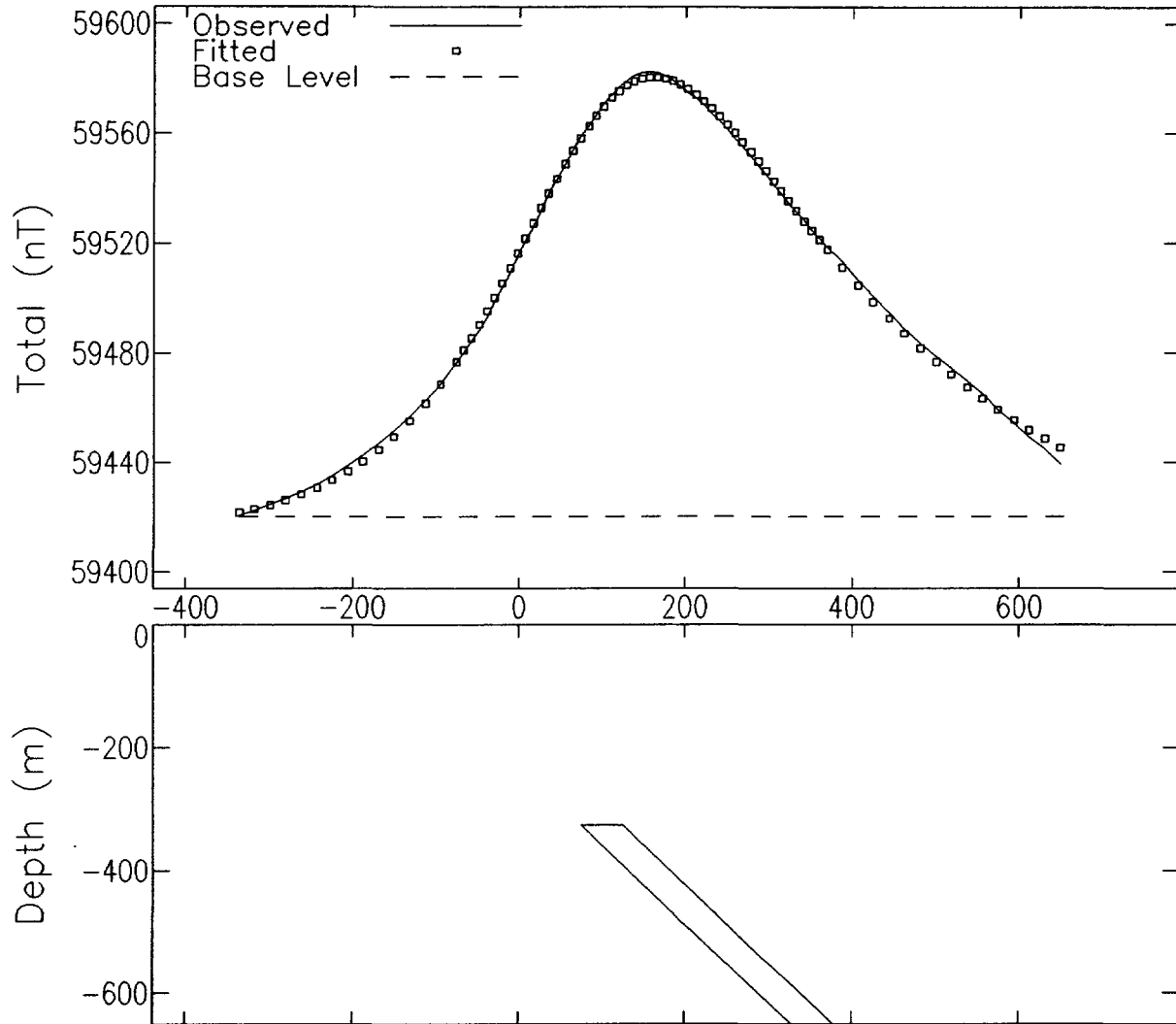
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L12+50 NW

2.24050



MODEL PARAMETERS:

Model Type	F	Tabular2
Depth	F	327 m
Half Width	F	34.2 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	43 deg
Thickness	F	715 m
Susceptibility	F	0.0110 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	99.86855 m
Cross Position	X	705028.9 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

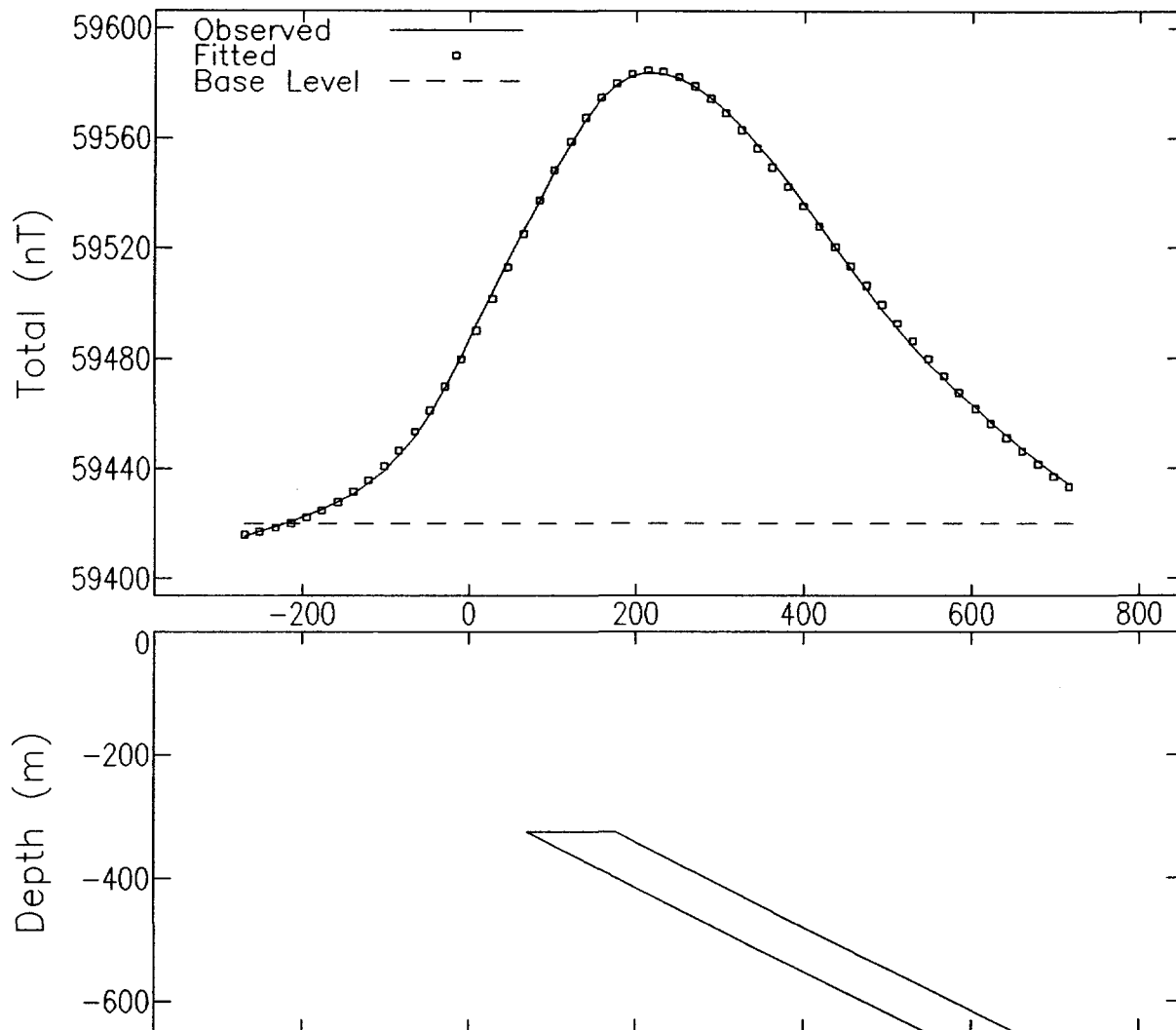
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - Deep Linear Feature

## L13+50 NW



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	324 m
Half Width	F	71.5 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	27 deg
Thickness	F	359 m
Susceptibility	F	0.00806 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	122.7921 m
Cross Position	X	704914.8 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

### GEOMAGNETIC FIELD:

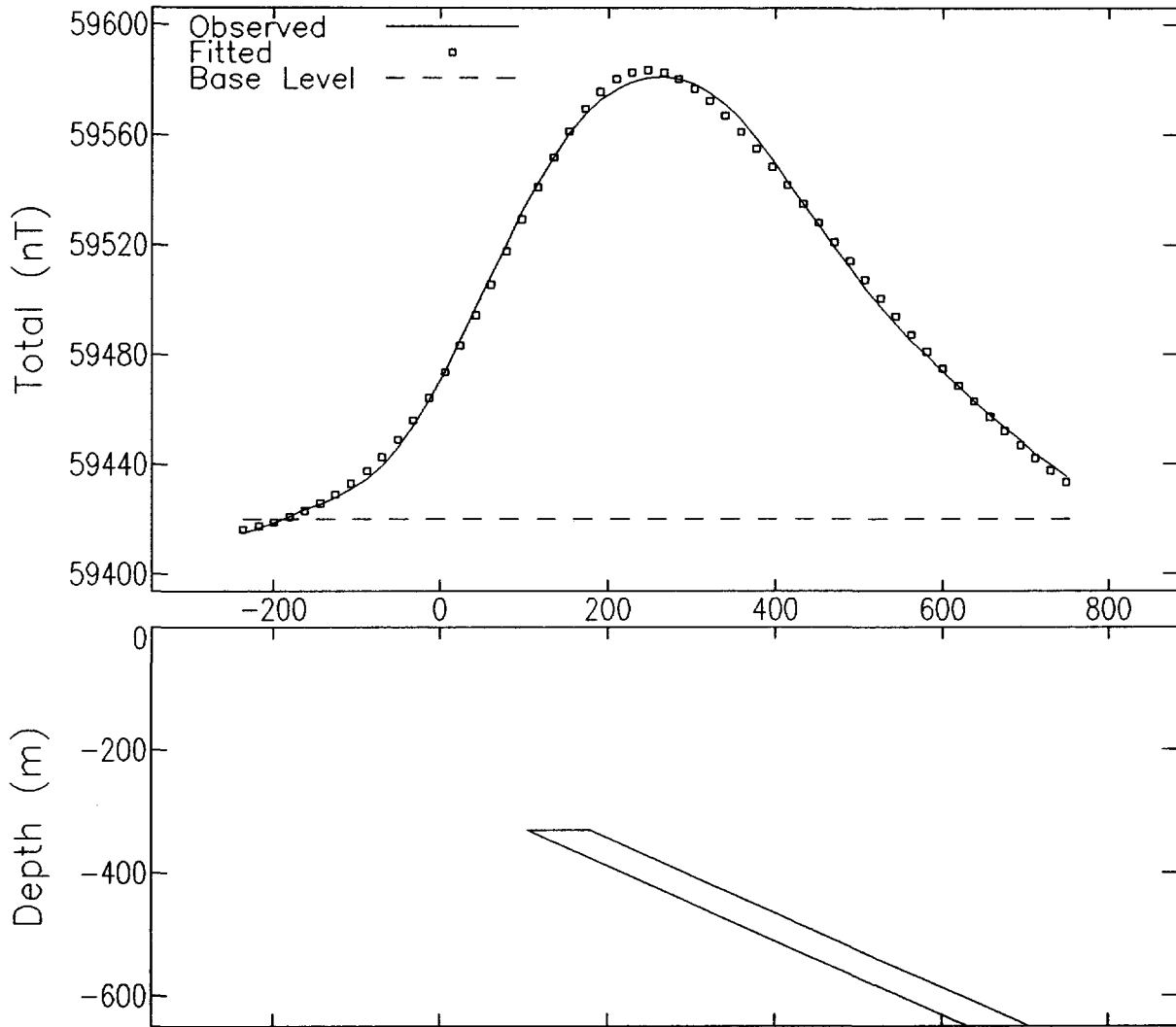
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

### COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	



A-15 - Deep Linear Feature  
L14+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	331 m
Half Width	F	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	24 deg
Thickness	F	329 m
Susceptibility	F	0.0126 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	142.9599 m
Cross Position	X	704865.8 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

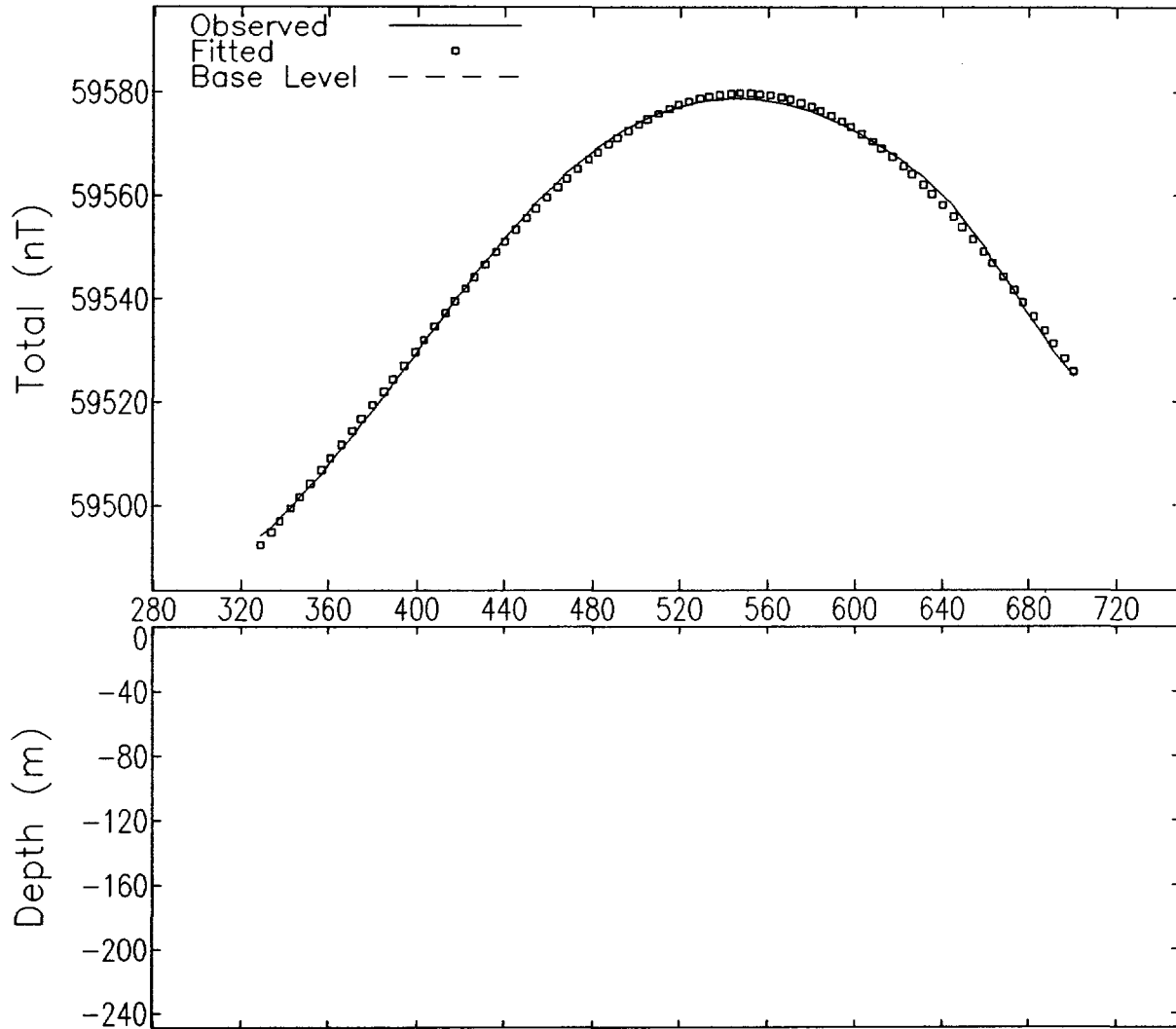
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L18+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	320 m
Half Width	F	187 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	69 deg
Thickness	F	369 m
Susceptibility	F	0.00247 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	549.4929 m
Cross Position	X	704693.9 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

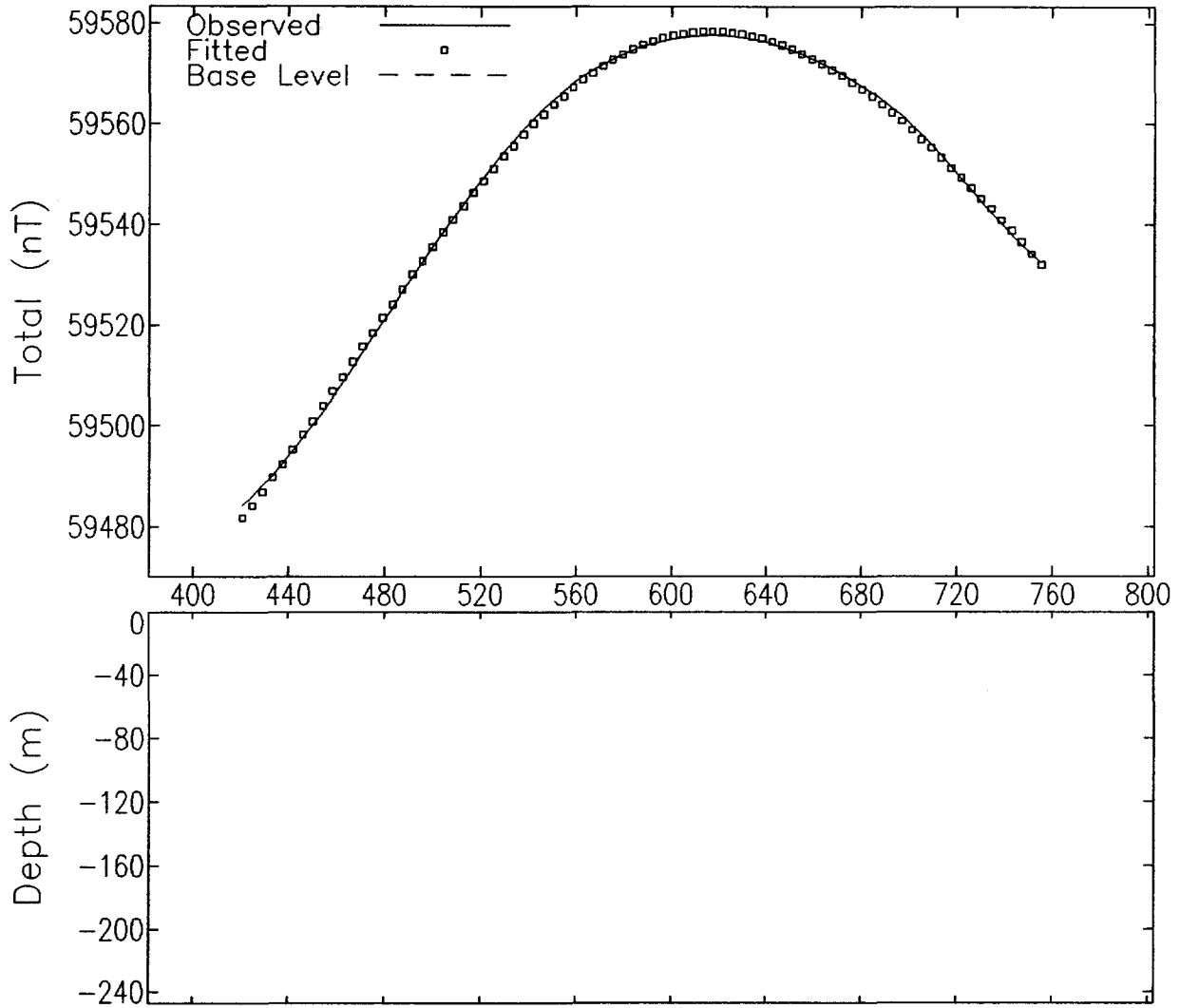
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L19+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	337 m
Half Width	F	76.4 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	14 deg
Thickness	F	132 m
Susceptibility	F	0.0142 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	515.8972 m
Cross Position	X	586.3502 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

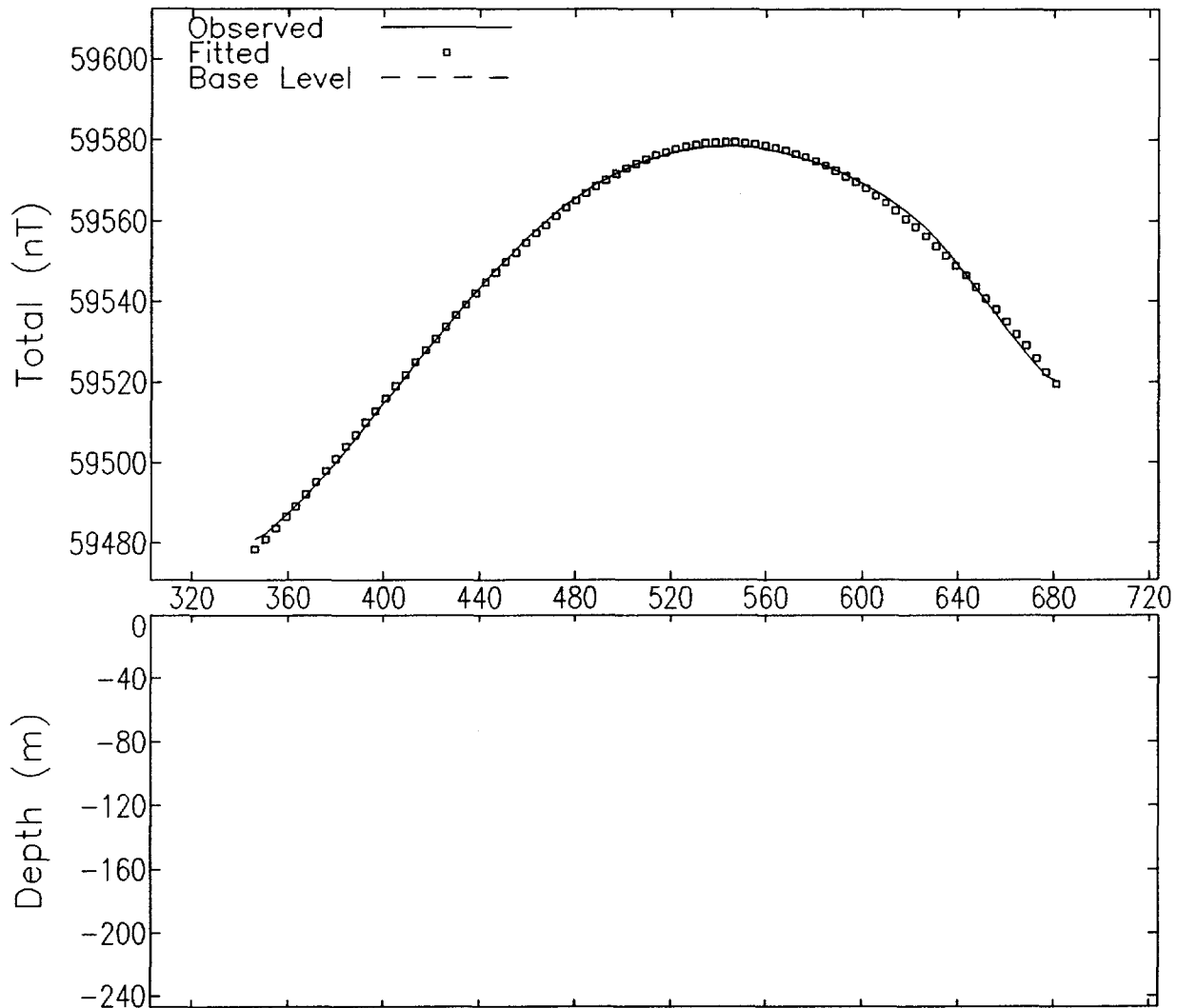
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	704000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L20+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	328 m
Half Width	F	225 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	62 deg
Thickness	F	53.3 m
Susceptibility	F	0.00950 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	567.2732 m
Cross Position	X	5863708 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

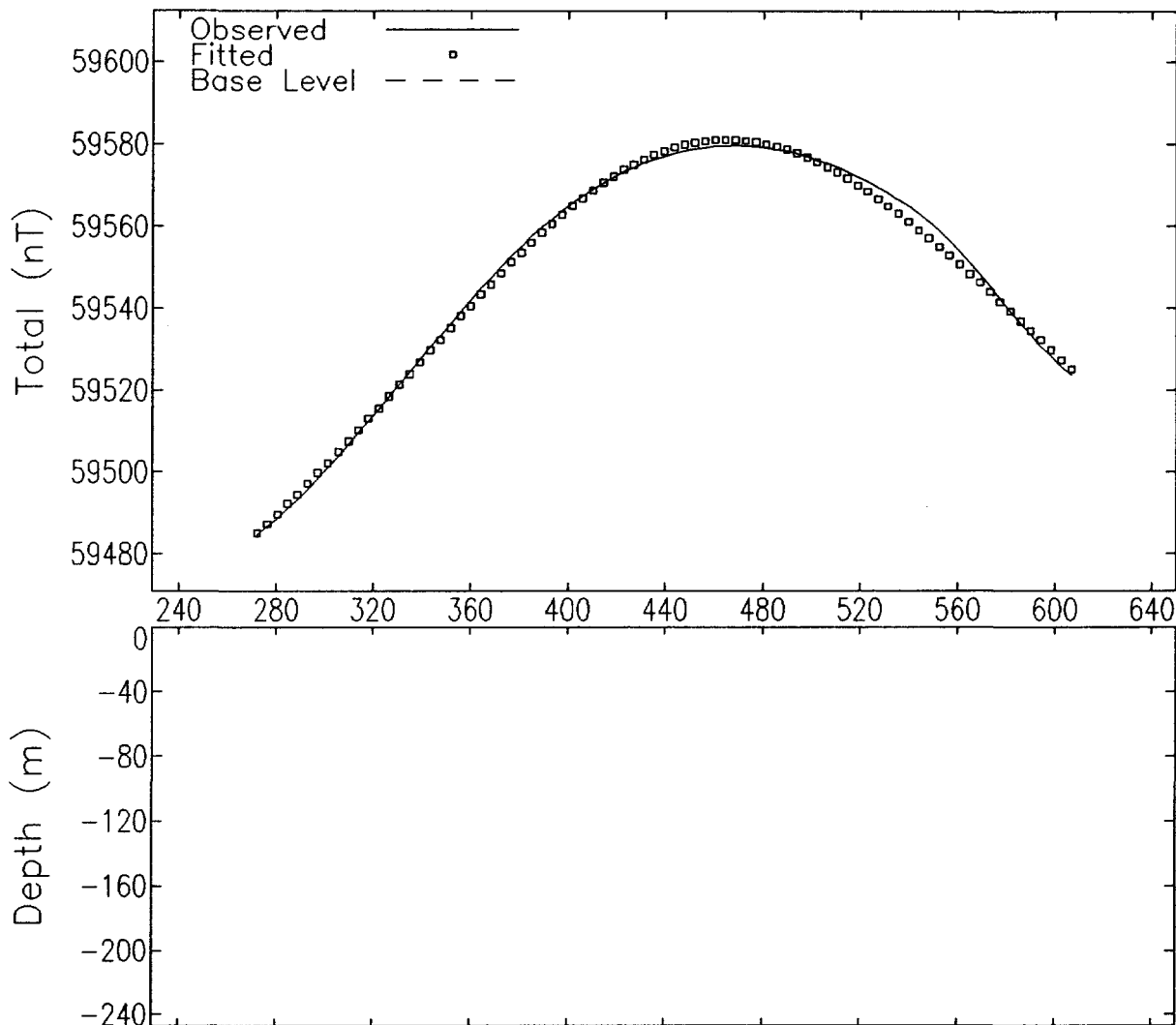
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	704000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L21+00 NW

2.24050



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	330 m
Half Width	F	36.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	50 deg
Thickness	F	494 m
Susceptibility	F	0.0110 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	429.4489 m
Cross Position	X	5863705 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

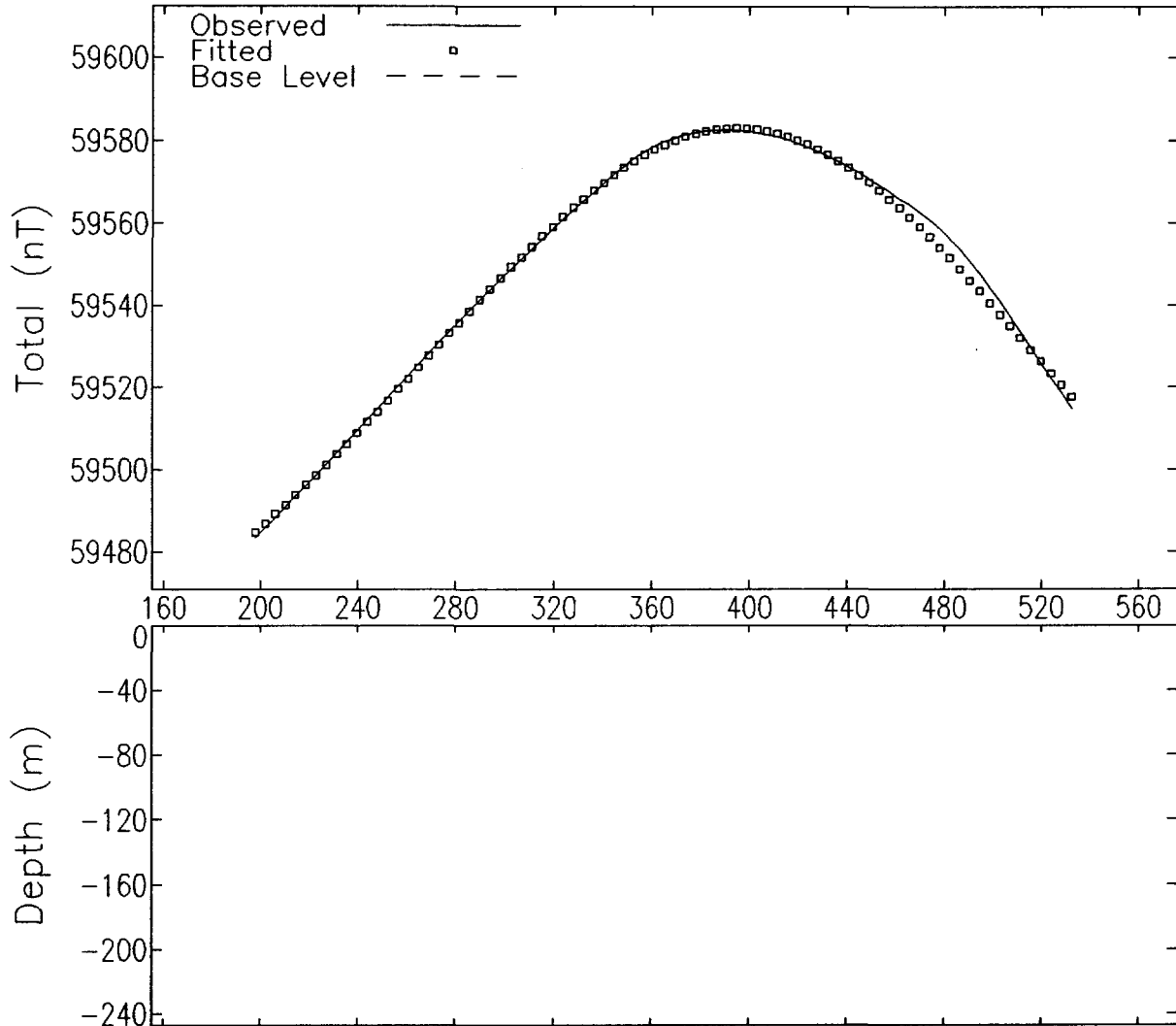
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	704000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L22+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	320 m
Half Width	F	72.9 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	68 deg
Thickness	F	481 m
Susceptibility	F	0.00506 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	389.4549 m
Cross Position	X	5863810 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

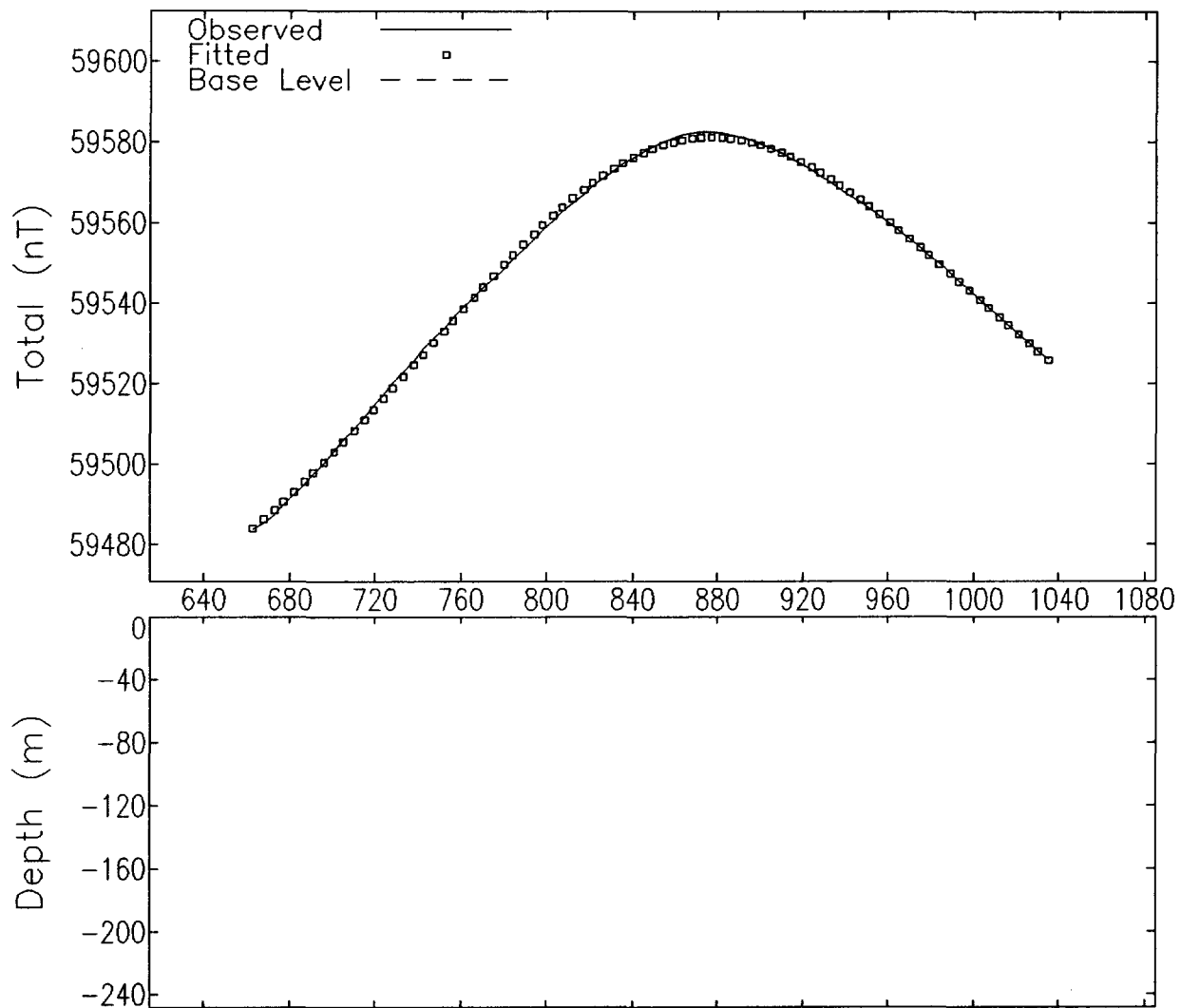
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	704000 m
Cross Direction	0 deg
Cross Offset	

A-15 - Deep Linear Feature  
L23+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	295 m
Half Width	F	15.8 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	58 deg
Thickness	F	1052 m
Susceptibility	F	0.0173 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	847.1005 m
Cross Position	X	704289.1 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

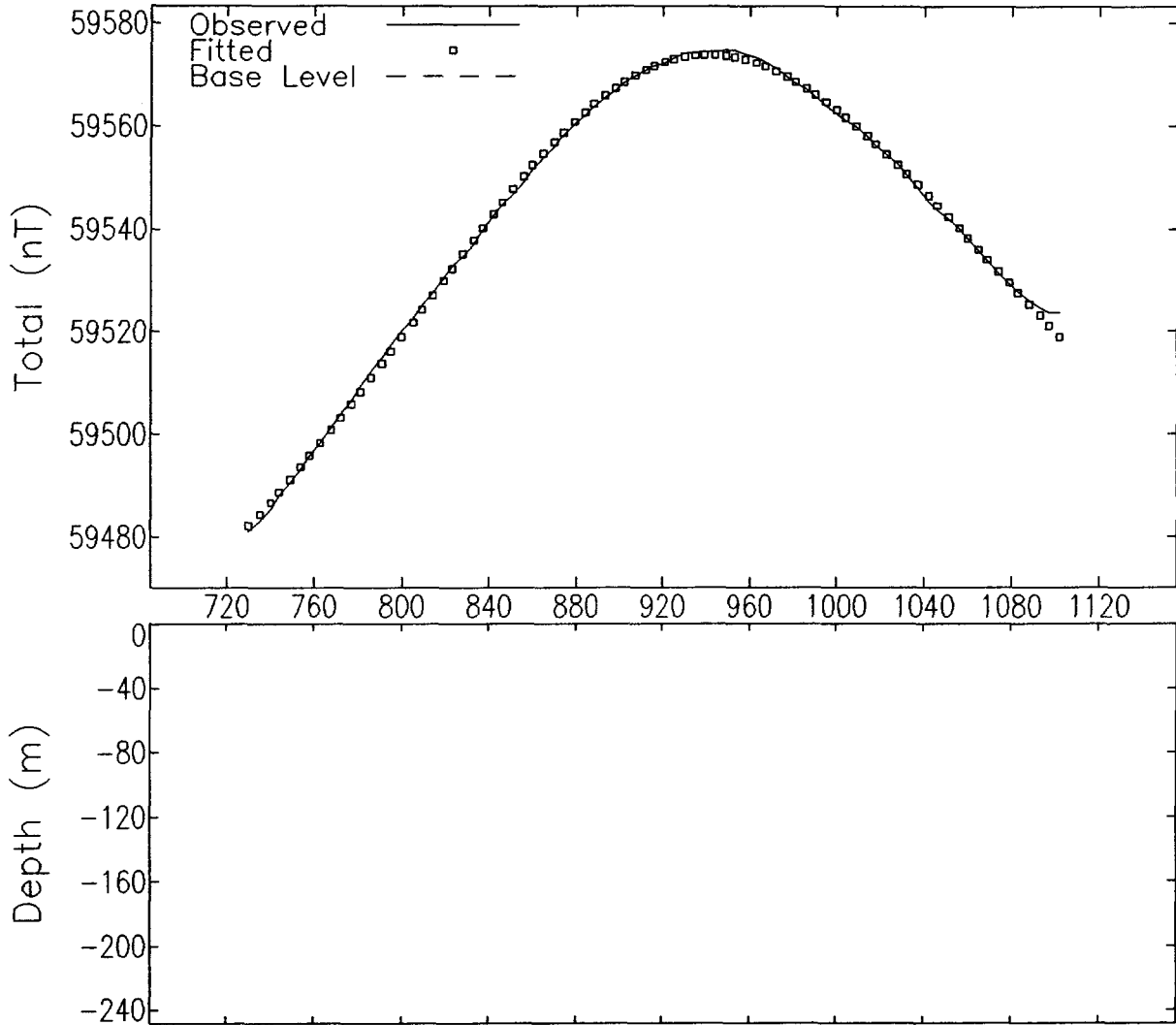
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - Deep Linear Feature  
L24+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	303 m
Half Width	X	24.7 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	57 deg
Thickness	F	823 m
Susceptibility	F	0.0115 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	909.5665 m
Cross Position	X	704210.7 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

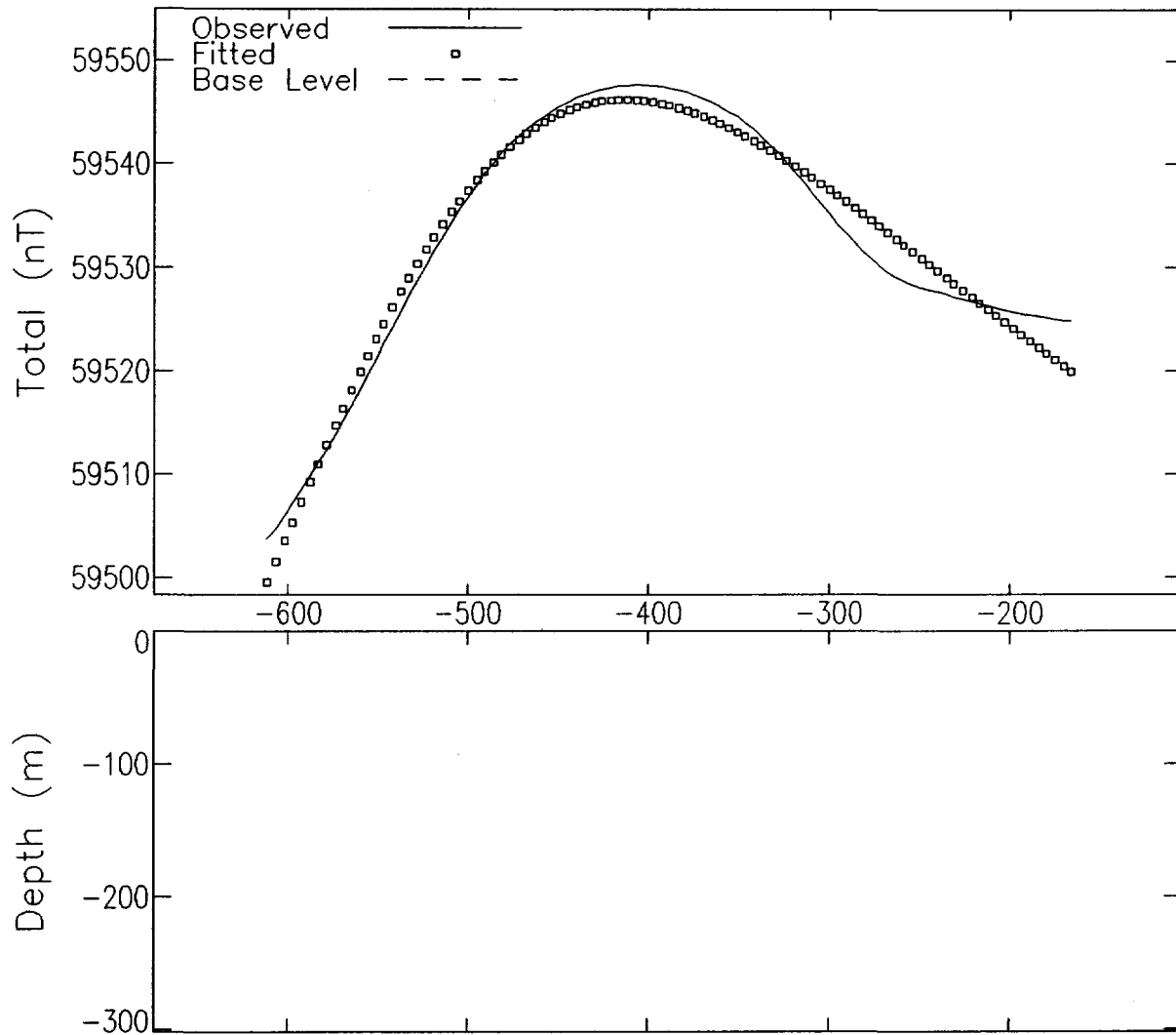


## **APPENDIX 1 b) Model Results for Deep Linear Anomaly, Second Pass**

# Deep Linear Feature

L4+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	385 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	22 deg
Thickness	X	2000 m
Susceptibility	F	0.0116 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-562.4655 m
Cross Position	X	705509.4 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

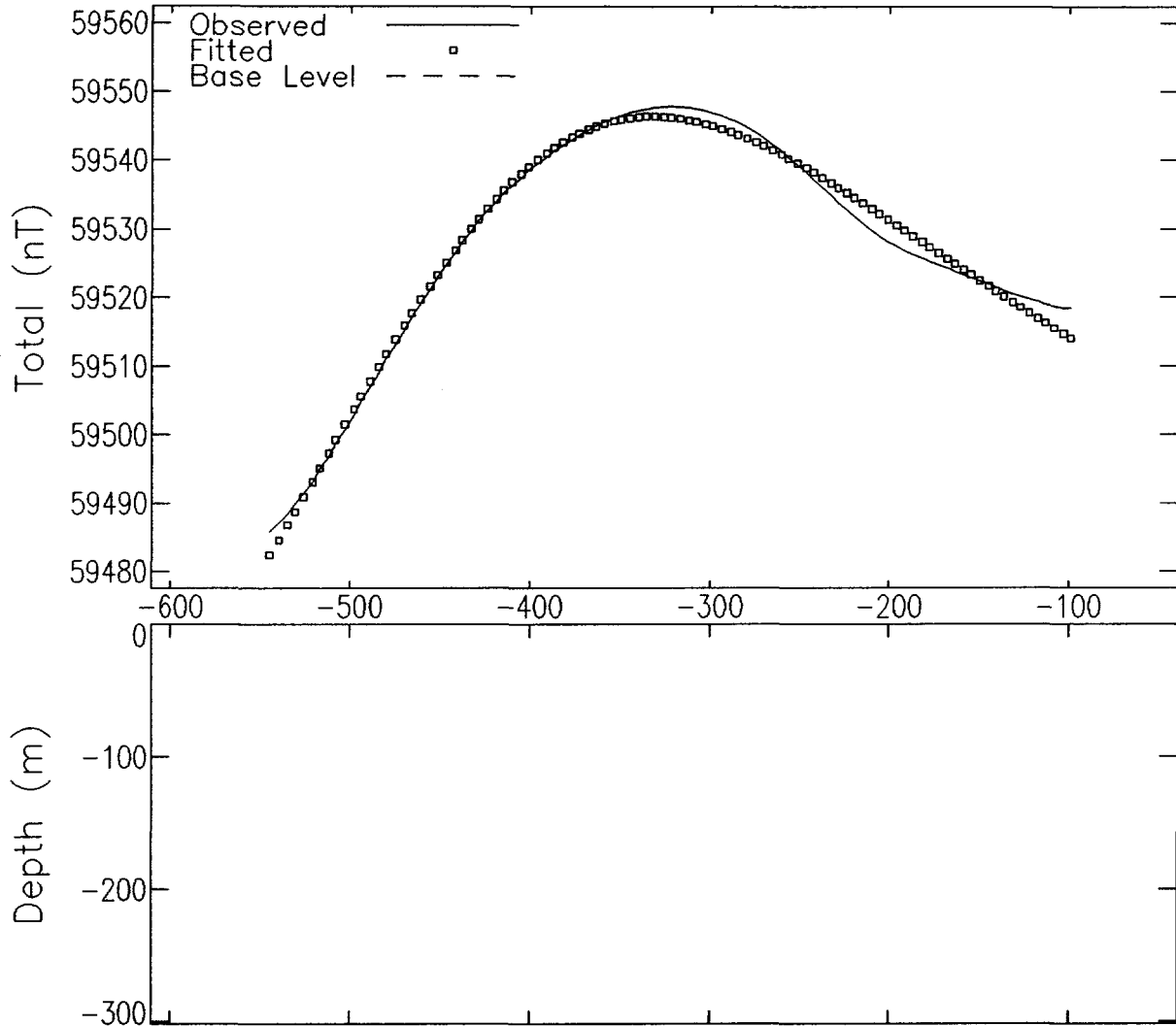
Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

## L5+50 NW

2.24050

Half Width and Thickness Constrained



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	344 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	28 deg
Thickness	X	2000 m
Susceptibility	F	0.00828 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-447.3596 m
Cross Position	X	705478.4 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

### GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

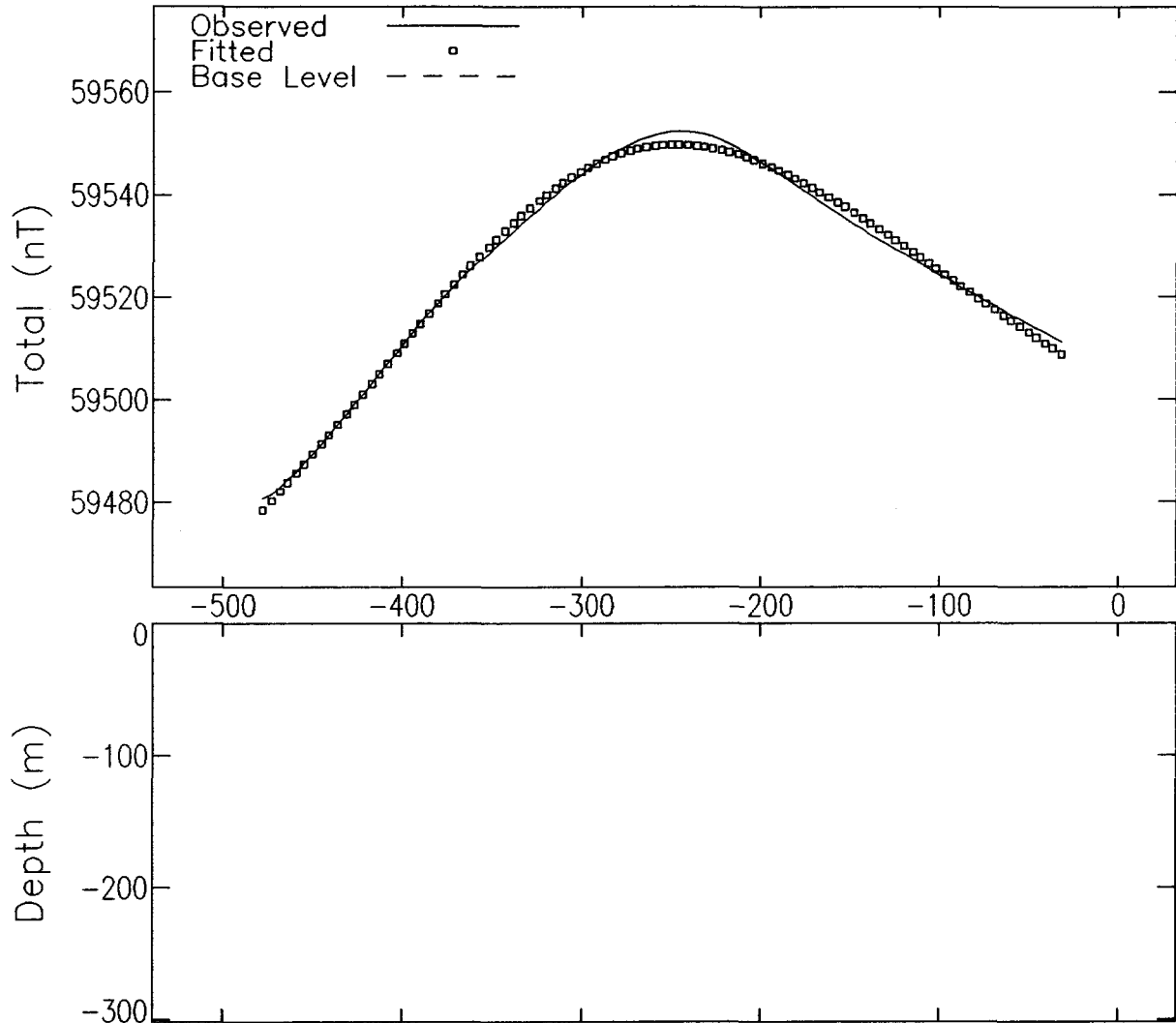
### COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L6+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	347 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	45 deg
Thickness	X	2000 m
Susceptibility	F	0.00583 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-317.4237 m
Cross Position	X	705460.8 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

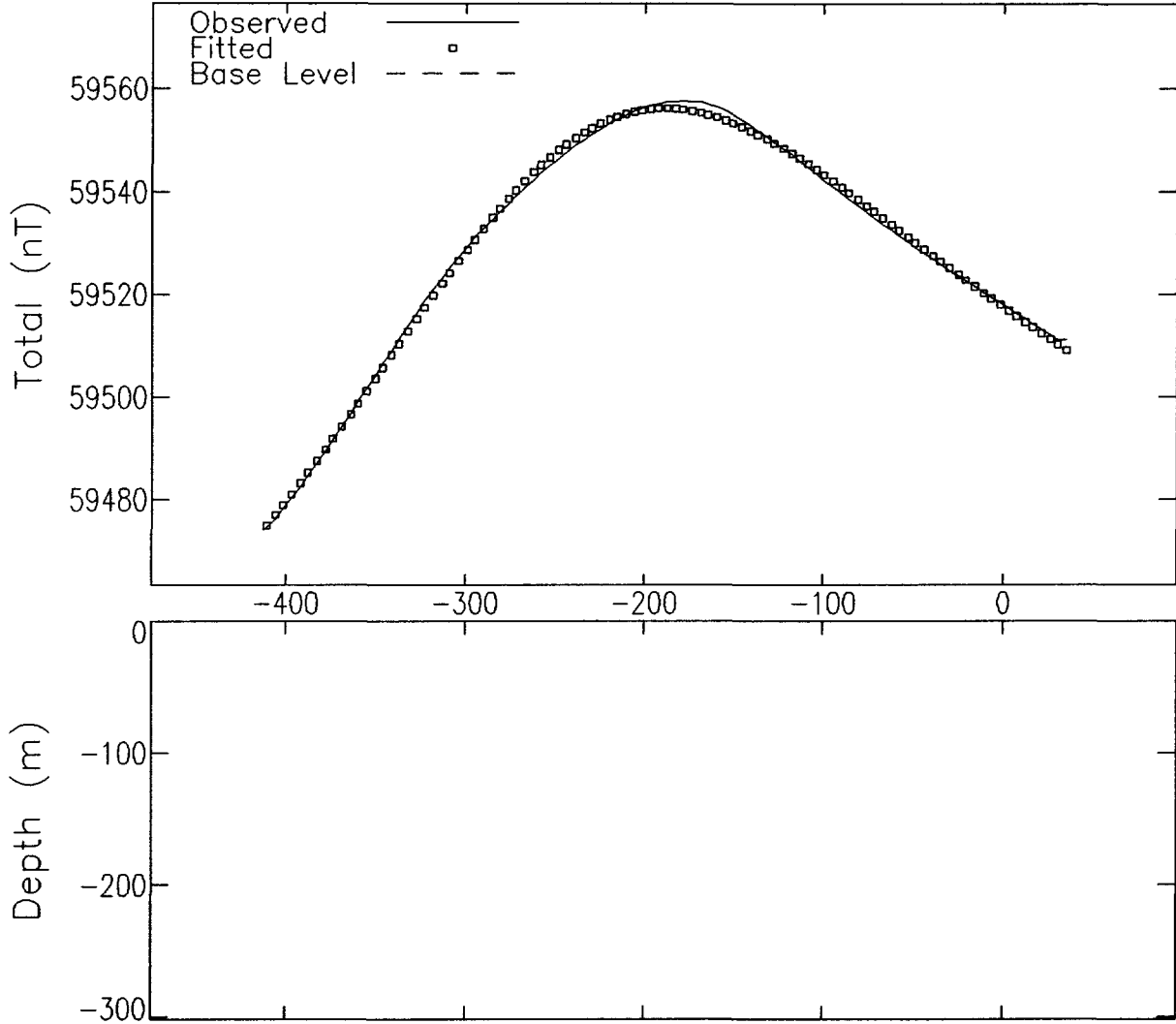
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L7+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	312 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	41 deg
Thickness	X	2000 m
Susceptibility	F	0.00584 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-261.0496 m
Cross Position	X	705376.9 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

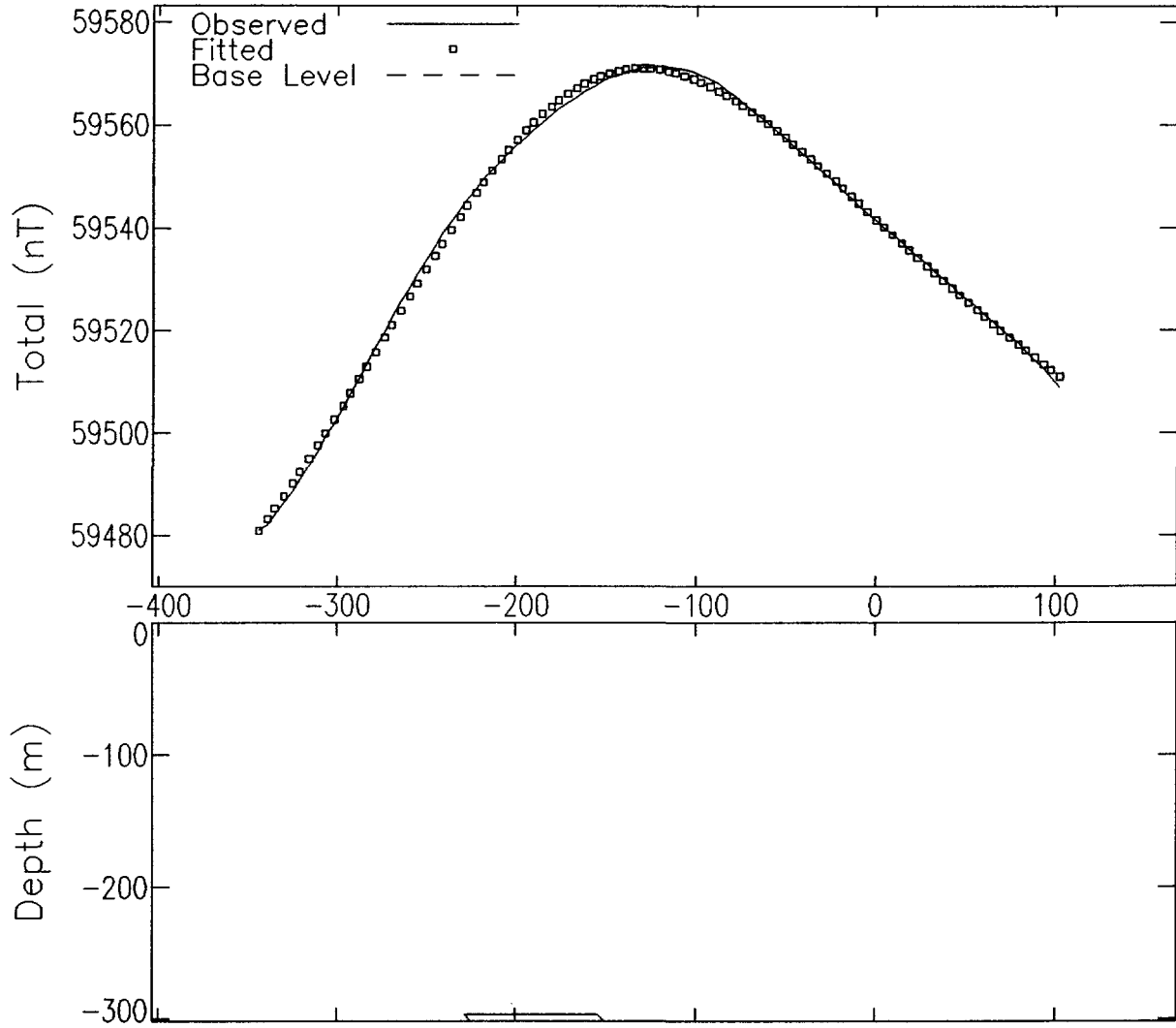
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L8+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	297 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	44 deg
Thickness	X	2000 m
Susceptibility	F	0.00579 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-191.6 m
Cross Position	X	705304.8 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

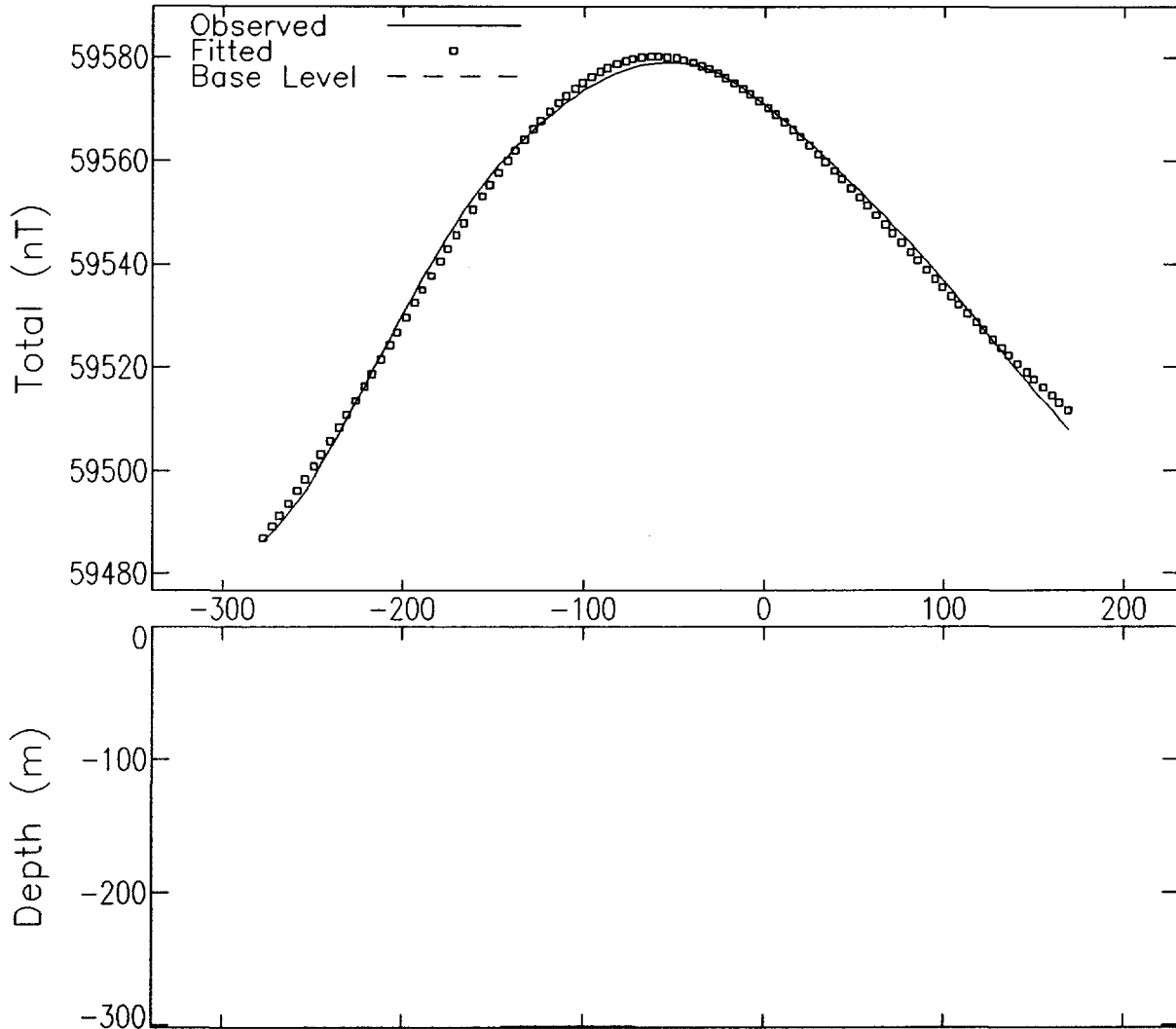
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L9+50 NW

Half Width and Thickness Constrained



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	302 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	51 deg
Thickness	X	2000 m
Susceptibility	F	0.00565 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-107.2324 m
Cross Position	X	705246.1 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

### GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

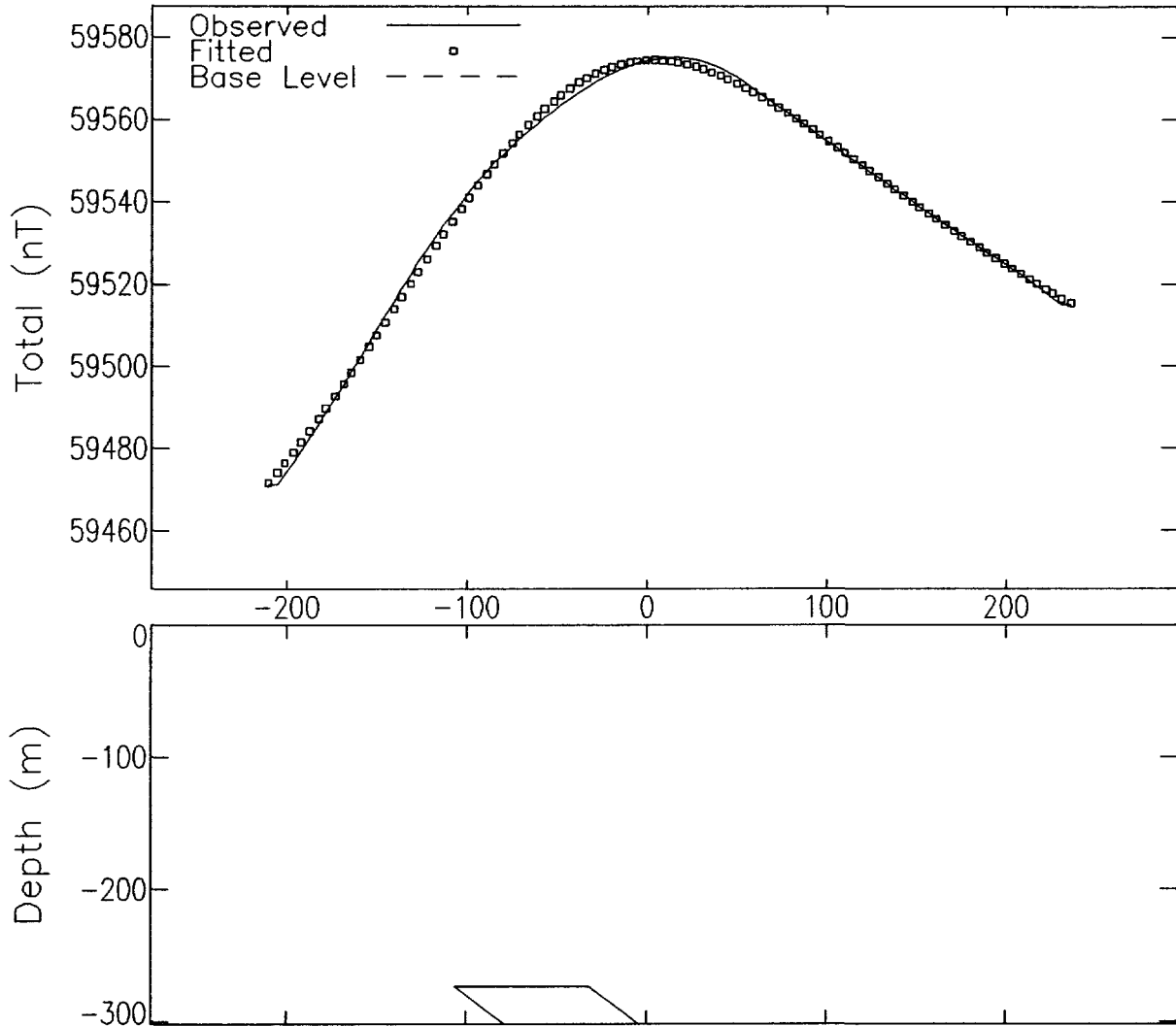
### COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

## L10+50 NW

Half Width and Thickness Constrained



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	274 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	37 deg
Thickness	X	2000 m
Susceptibility	F	0.00628 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-68.89272 m
Cross Position	X	705145.9 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

### GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

### COORDINATES:

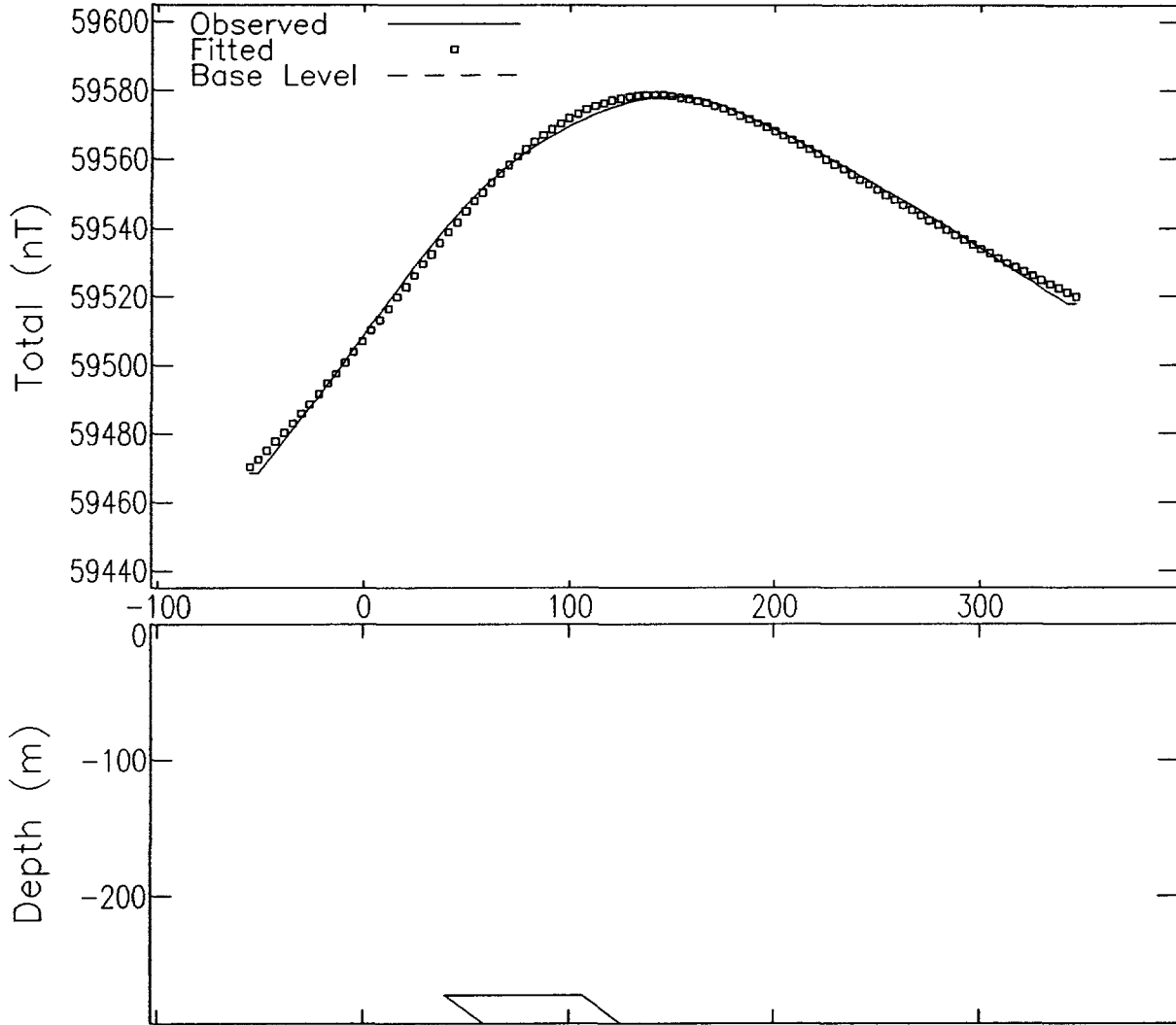
Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	



# Deep Linear Feature

L11+50 NW

Half Width and Thickness Constrained



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	273 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	36 deg
Thickness	X	2000 m
Susceptibility	F	0.00664 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	72.84794 m
Cross Position	X	5863000 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

### GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

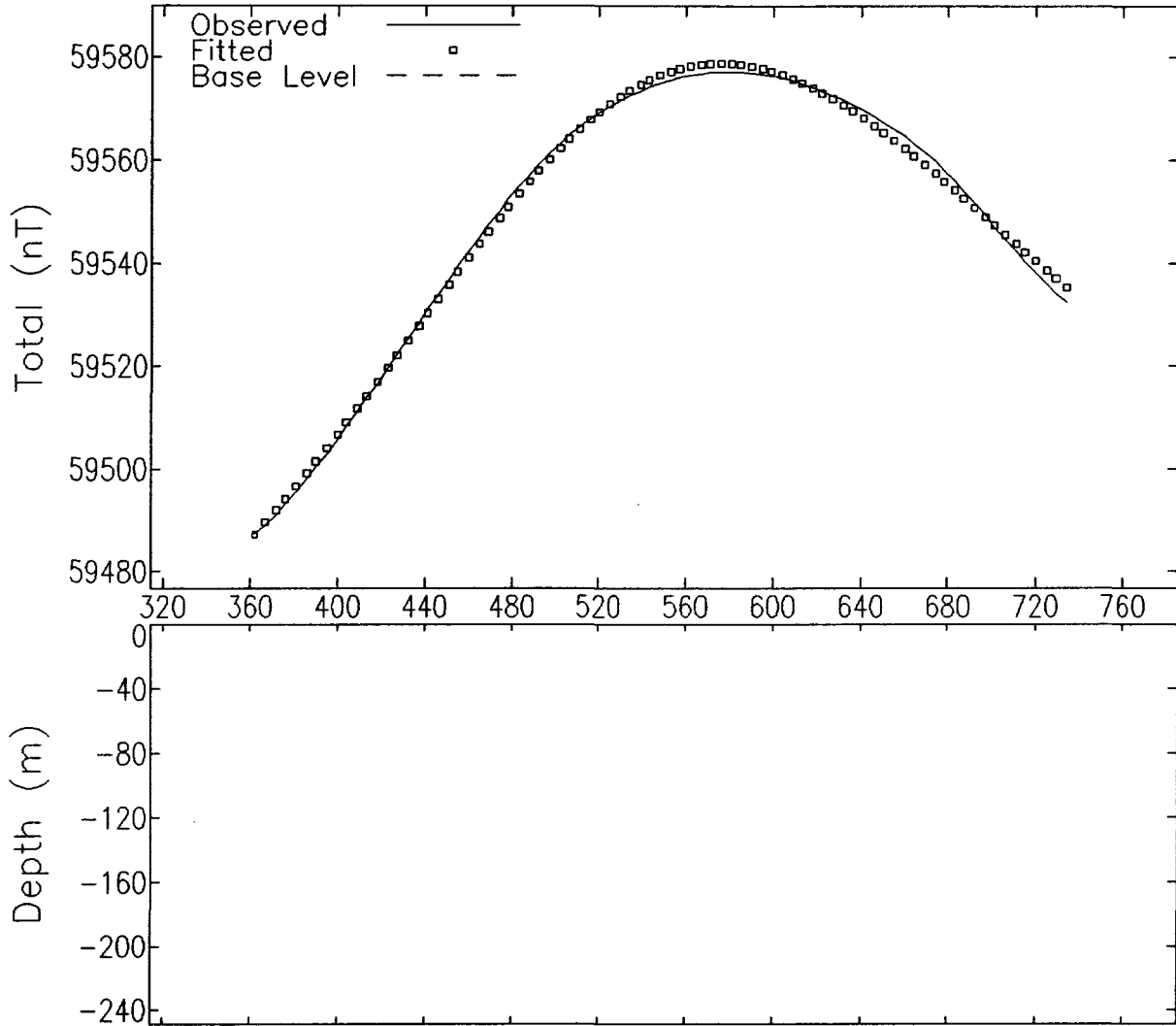
### COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

# Deep Linear Feature

L18+50

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	301 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	51 deg
Thickness	X	2000 m
Susceptibility	F	0.00563 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	527.2302 m
Cross Position	X	704606.4 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

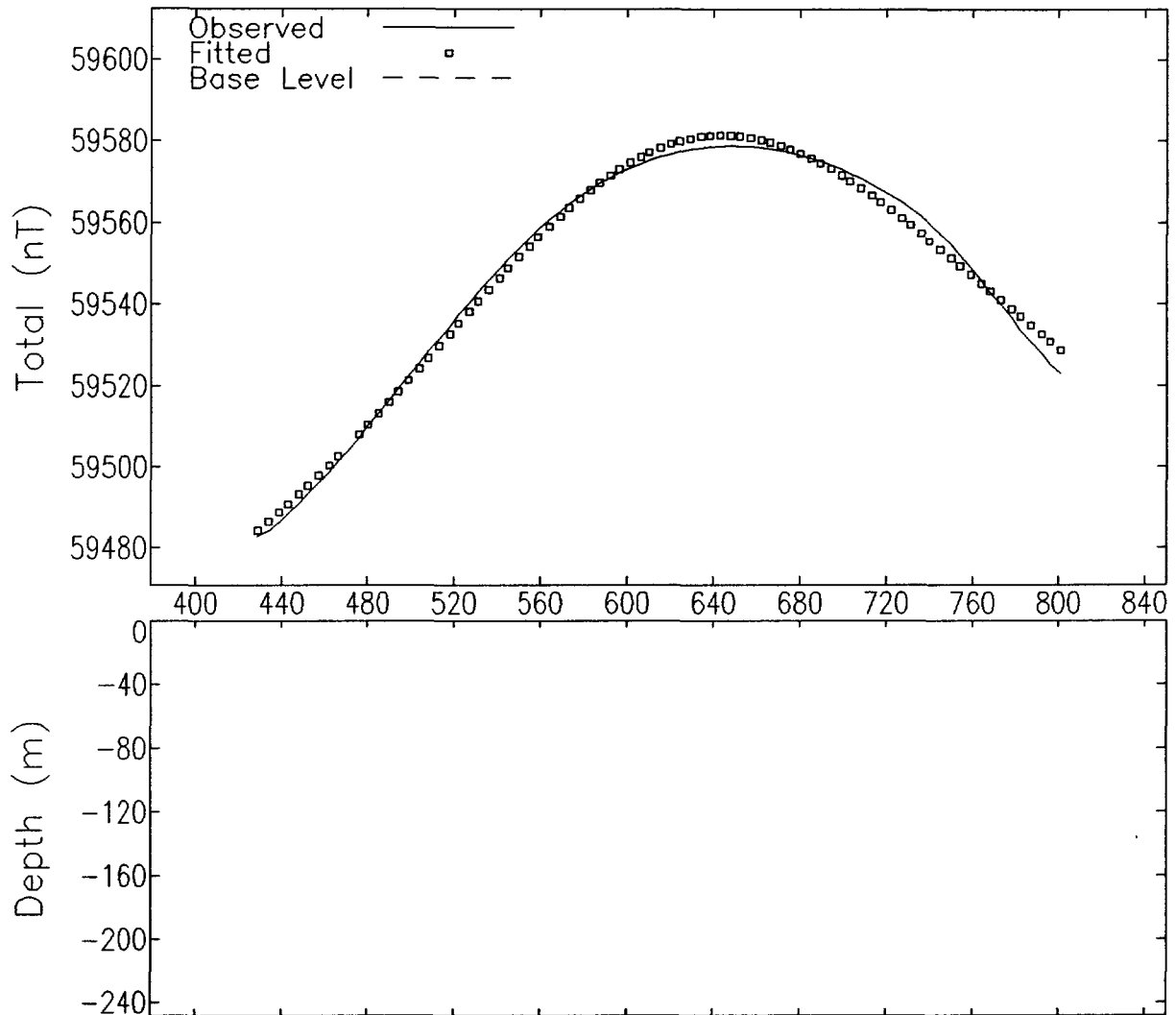
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L19+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	280 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	59 deg
Thickness	X	2000 m
Susceptibility	F	0.00487 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	613.4084 m
Cross Position	X	704549.4 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

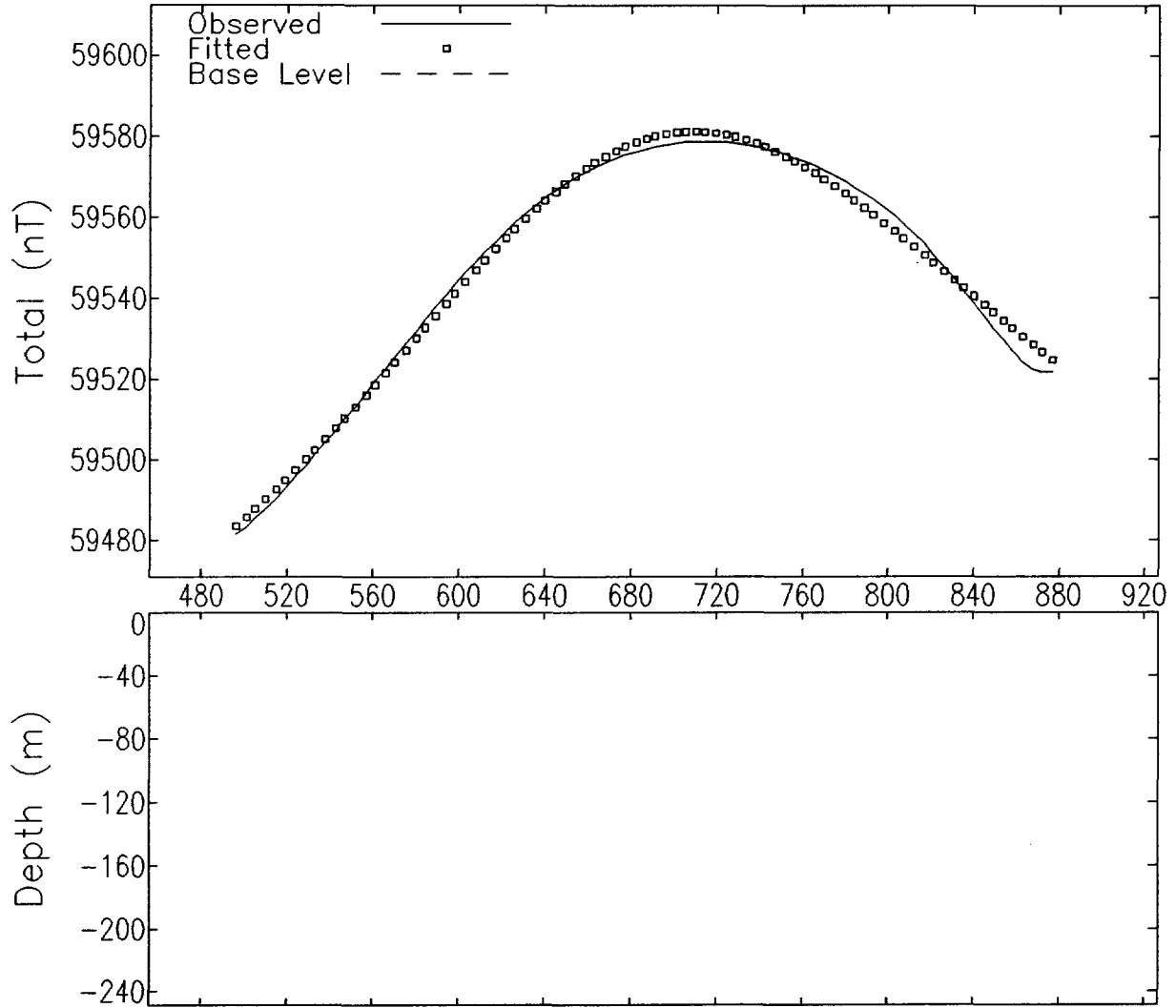
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L20+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	278 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	57 deg
Thickness	X	2000 m
Susceptibility	F	0.00492 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	675.0639 m
Cross Position	X	704470.4 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

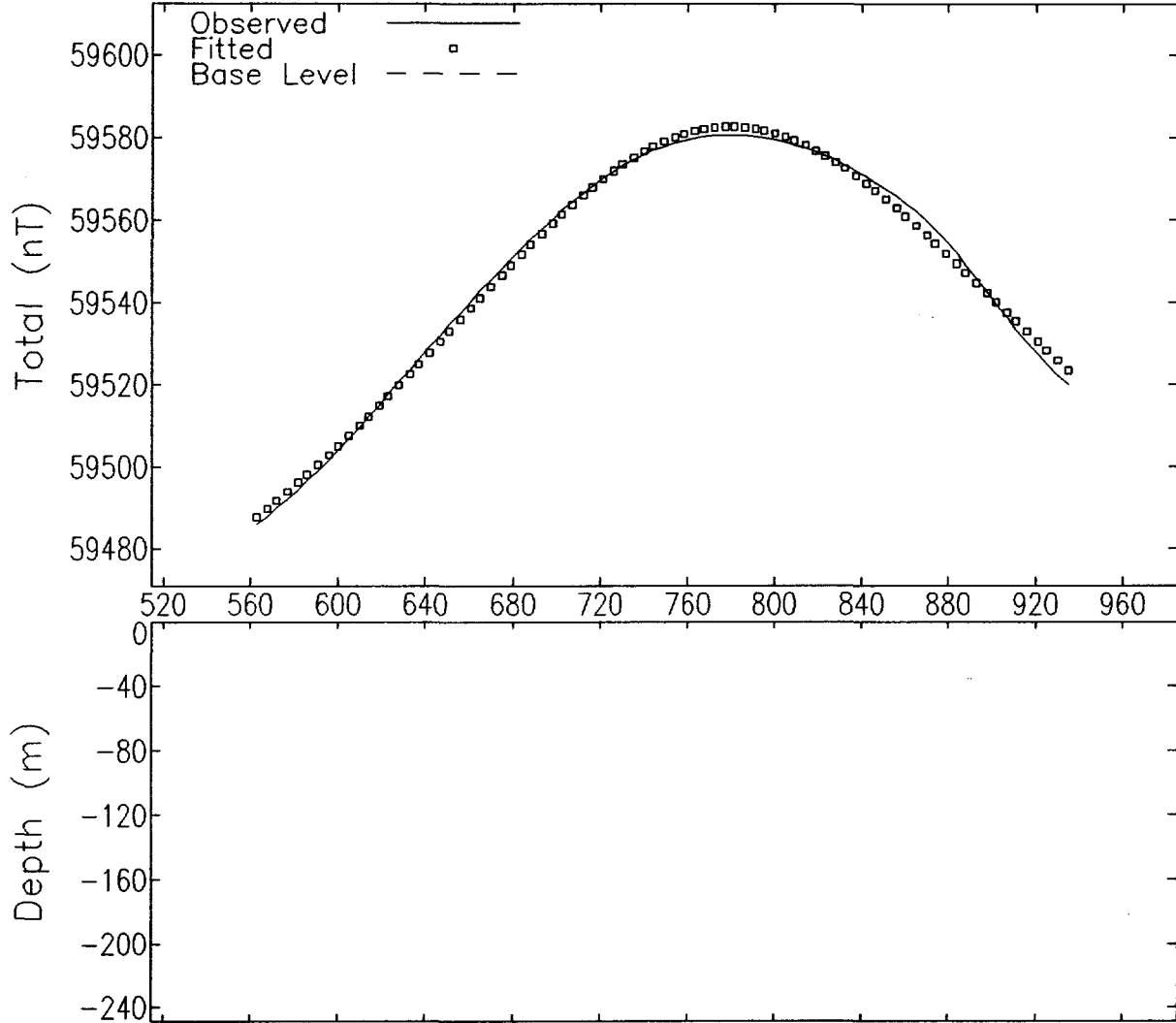
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L21+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	276 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	68 deg
Thickness	X	2000 m
Susceptibility	F	0.00452 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	766.863 m
Cross Position	X	704418.3 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

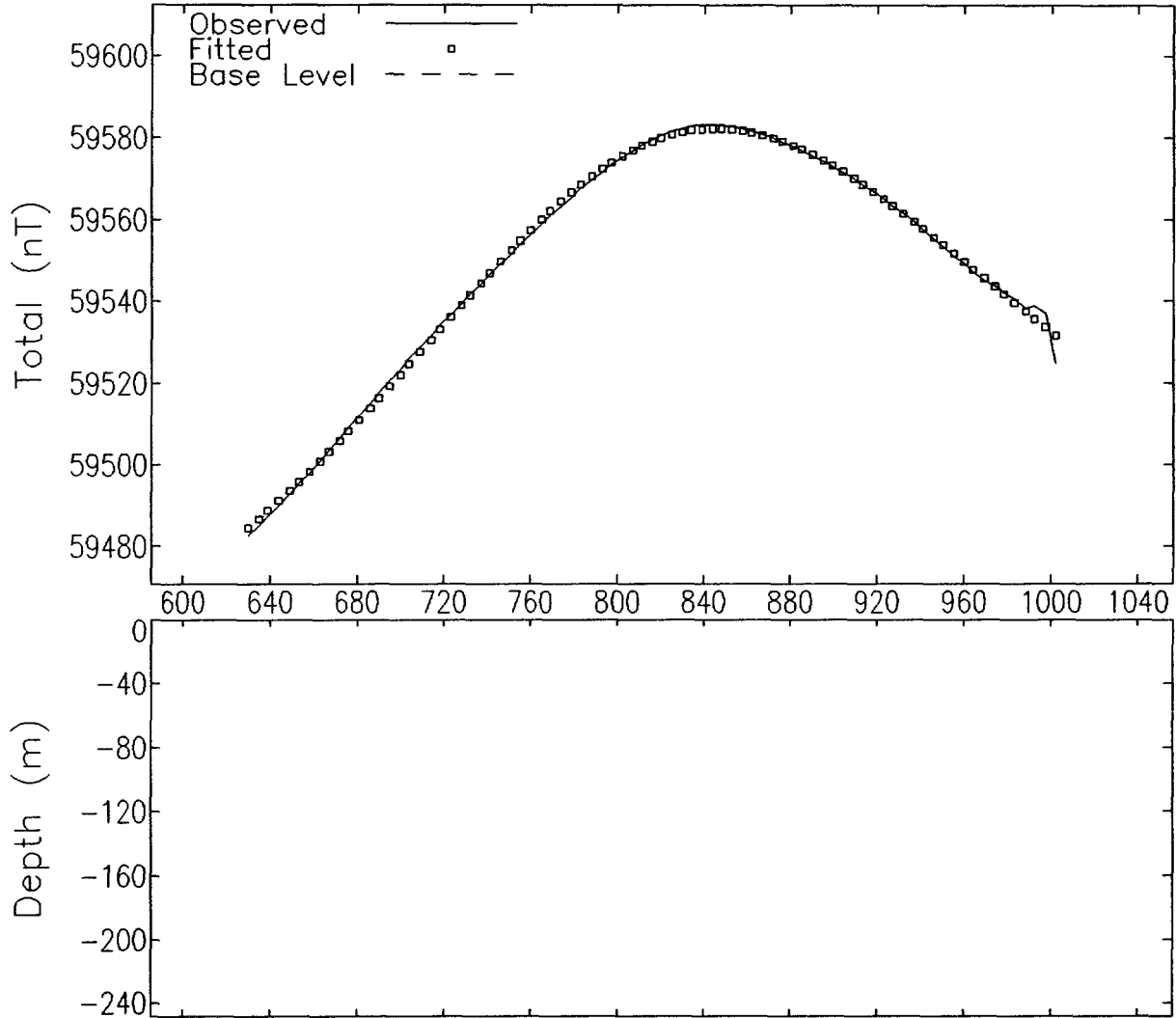
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# Deep Linear Feature

L22+50 NW

Half Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	283 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	57 deg
Thickness	X	2000 m
Susceptibility	F	0.00506 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	811.1207 m
Cross Position	X	704323.5 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

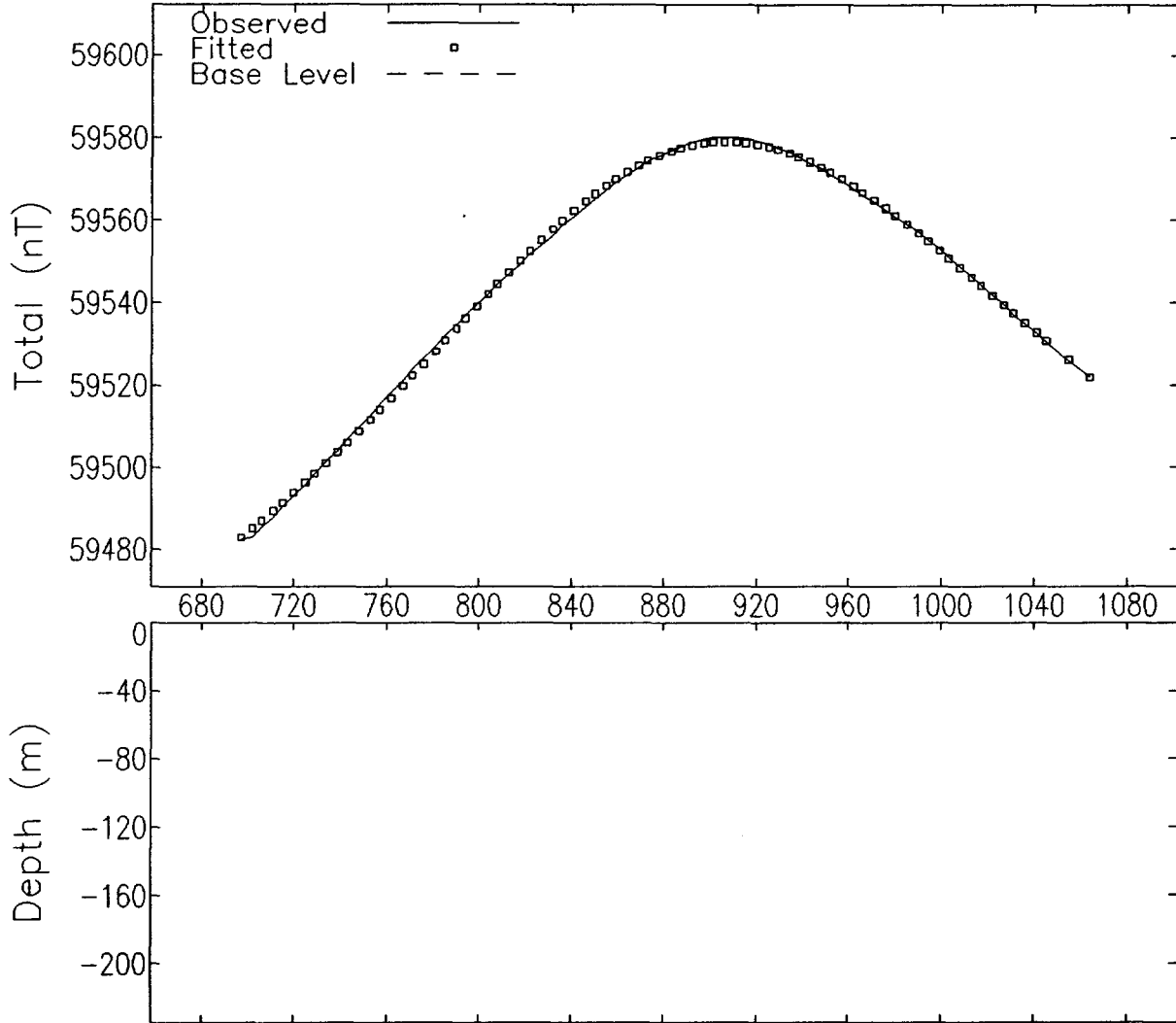
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

Deep Linear Feature  
L23+50 NW

2.24050

Half Width and Thickness Constrained



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	266 m
Half Width	X	50.0 m
Half Length	X	1000 m
Offset	X	0 m
Dip	F	62 deg
Thickness	X	2000 m
Susceptibility	F	0.00443 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	884.4249 m
Cross Position	X	704255.1 m
Base Level	X	59420 nT
Base Slope	X	0 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

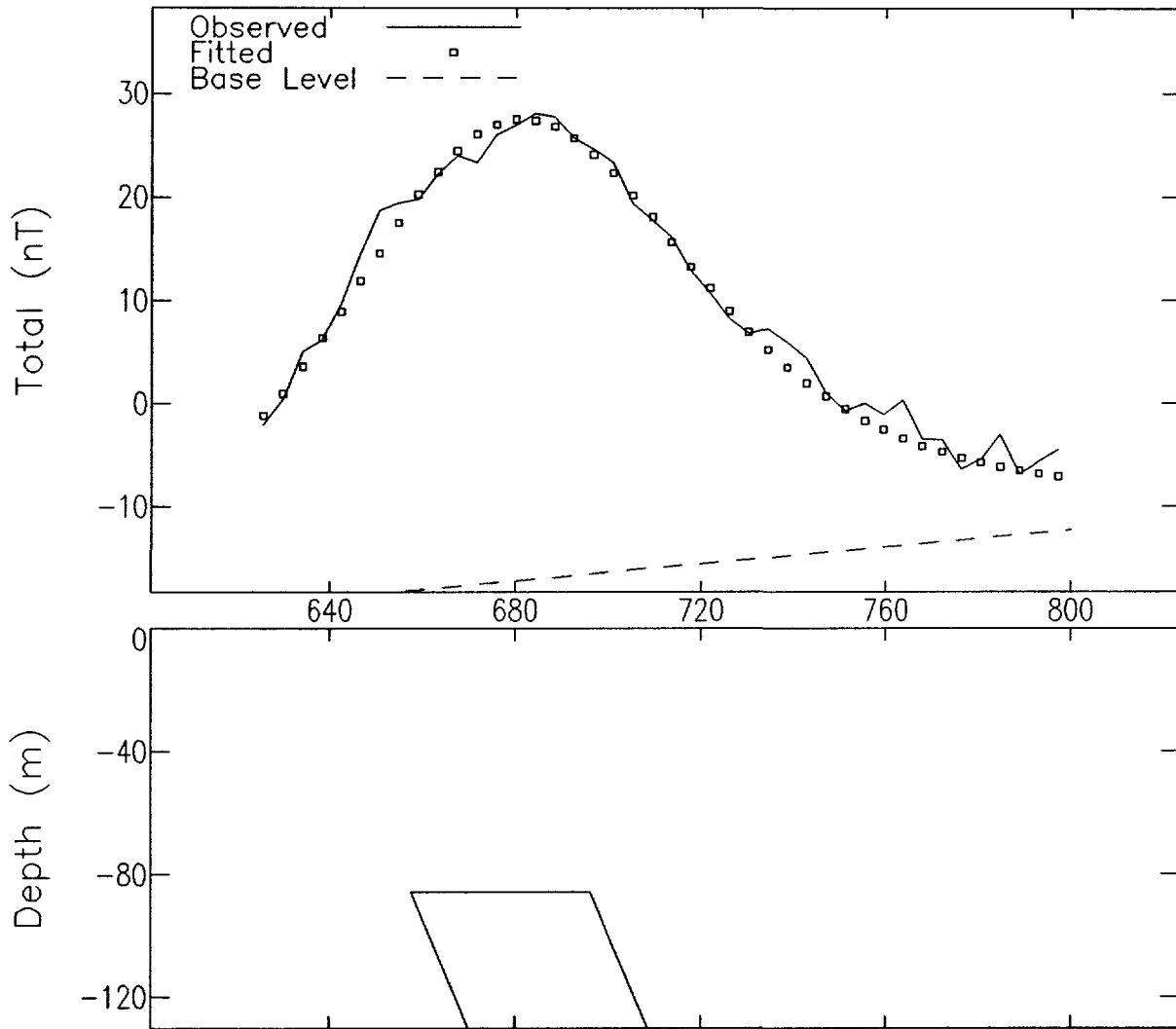
## **APPENDIX 1c) Model Results for Shallow Anomalies**



# A-15 - MacFadyen #2

L4+25 NW

Susceptibility Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	85.8 m
Half Width	F	28.7 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	68 deg
Thickness	L	2558 m
Susceptibility	X	0.00230 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	677.0223 m
Cross Position	X	5862587 m
Base Level	F	-17.39894 nT
Base Slope	F	.0277407 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

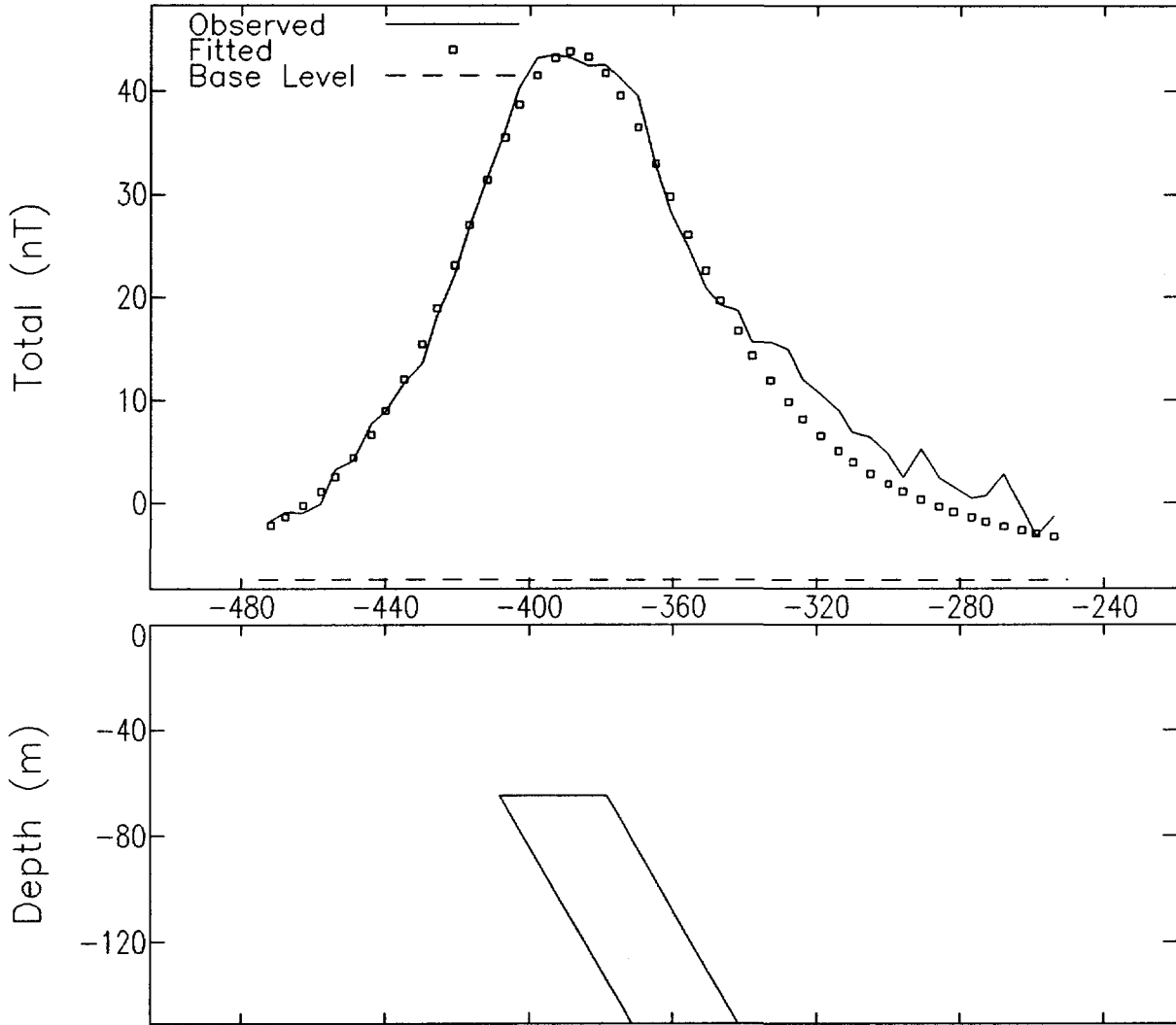
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	0 deg

# A-15 - MacFadyen #2

L4+50 NW

Width and Dip Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	64.9 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	X	60 deg
Thickness	L	2934 m
Susceptibility	F	0.00230 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-393.4713 m
Cross Position	X	705661.1 m
Base Level	F	-7.504828 nT
Base Slope	F	-.0001209 nT/m

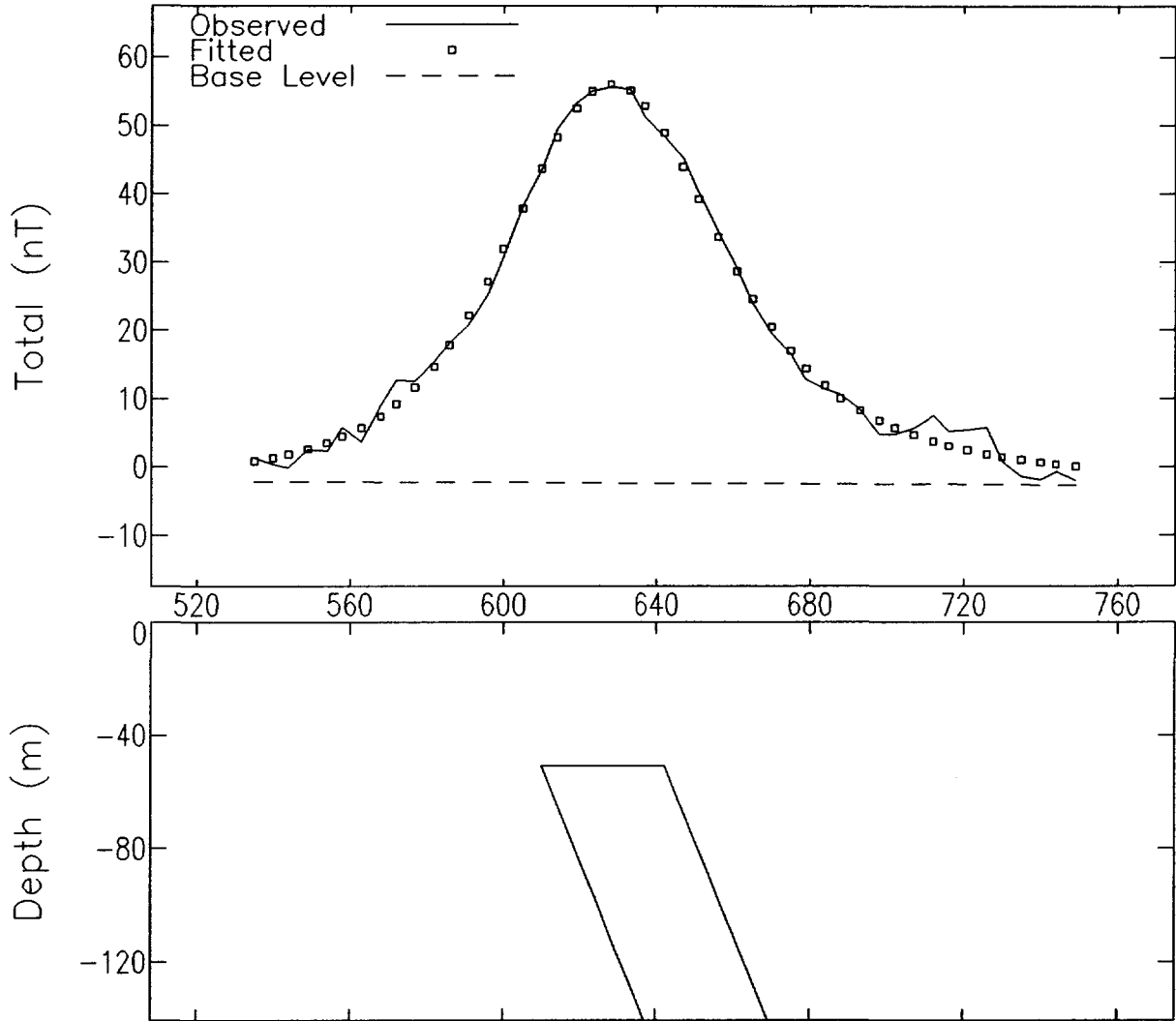
## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - MacFadyen #2  
L4+75 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	50.8 m
Half Width	F	21.7 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	68 deg
Thickness	L	2876 m
Susceptibility	F	0.00153 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	626.1841 m
Cross Position	X	705645.4 m
Base Level	F	-2.377644 nT
Base Slope	F	-.0018085 nT/m

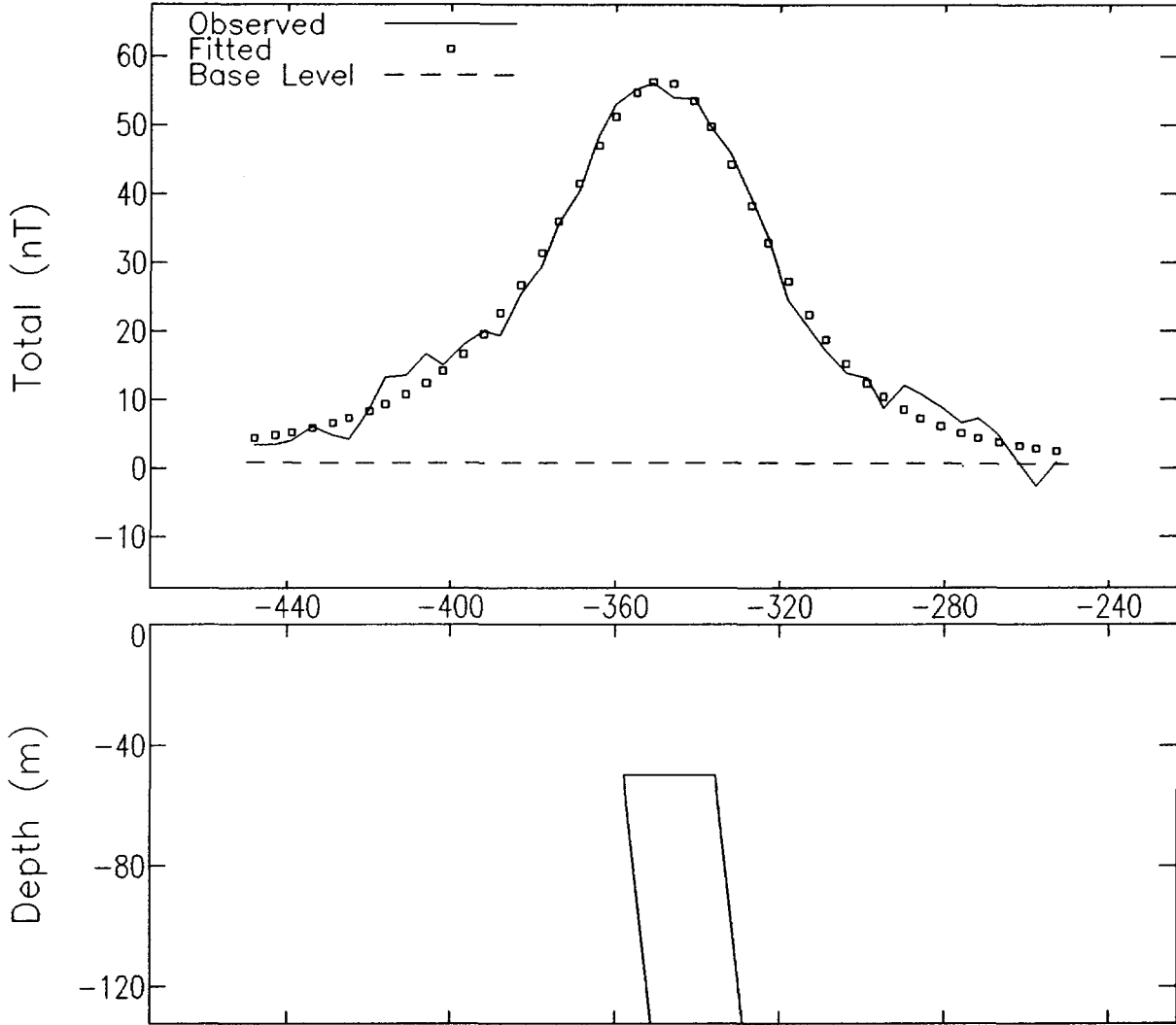
GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5862000 m
Cross Direction	90 deg
Cross Offset	

A-15 - MacFadyen #2  
L5+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	49.8 m
Half Width	F	15.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	84 deg
Thickness	F	2602 m
Susceptibility	F	0.00189 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-346.8384 m
Cross Position	X	705635.9 m
Base Level	F	.7339556 nT
Base Slope	F	-.0009907 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

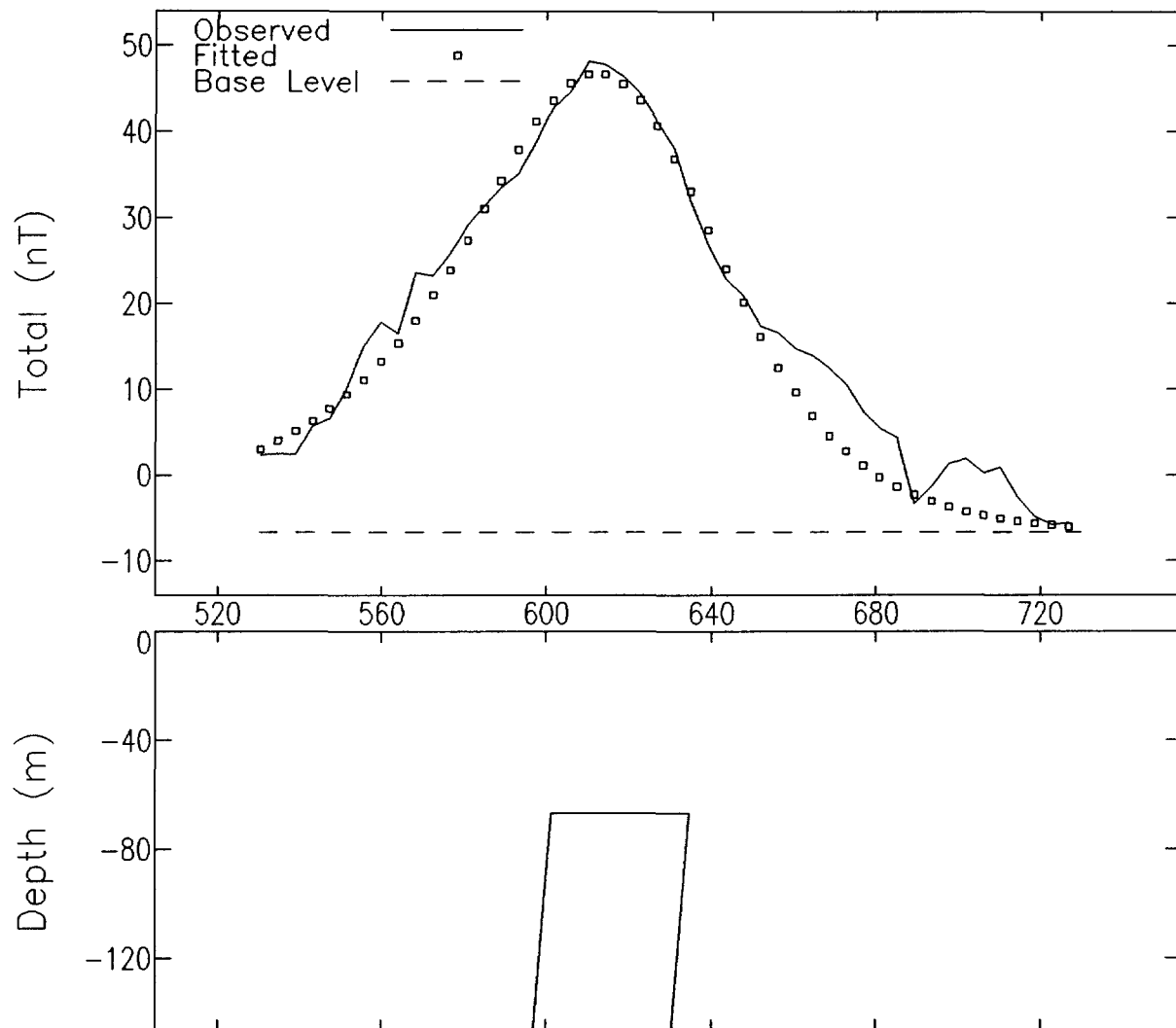
COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #2

L5+25 NW

Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	66.9 m
Half Width	X	25.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	95 deg
Thickness	X	2000 m
Susceptibility	F	0.00193 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	618.027 m
Cross Position	X	5862671 m
Base Level	F	-6.641254 nT
Base Slope	X	0 nT/m

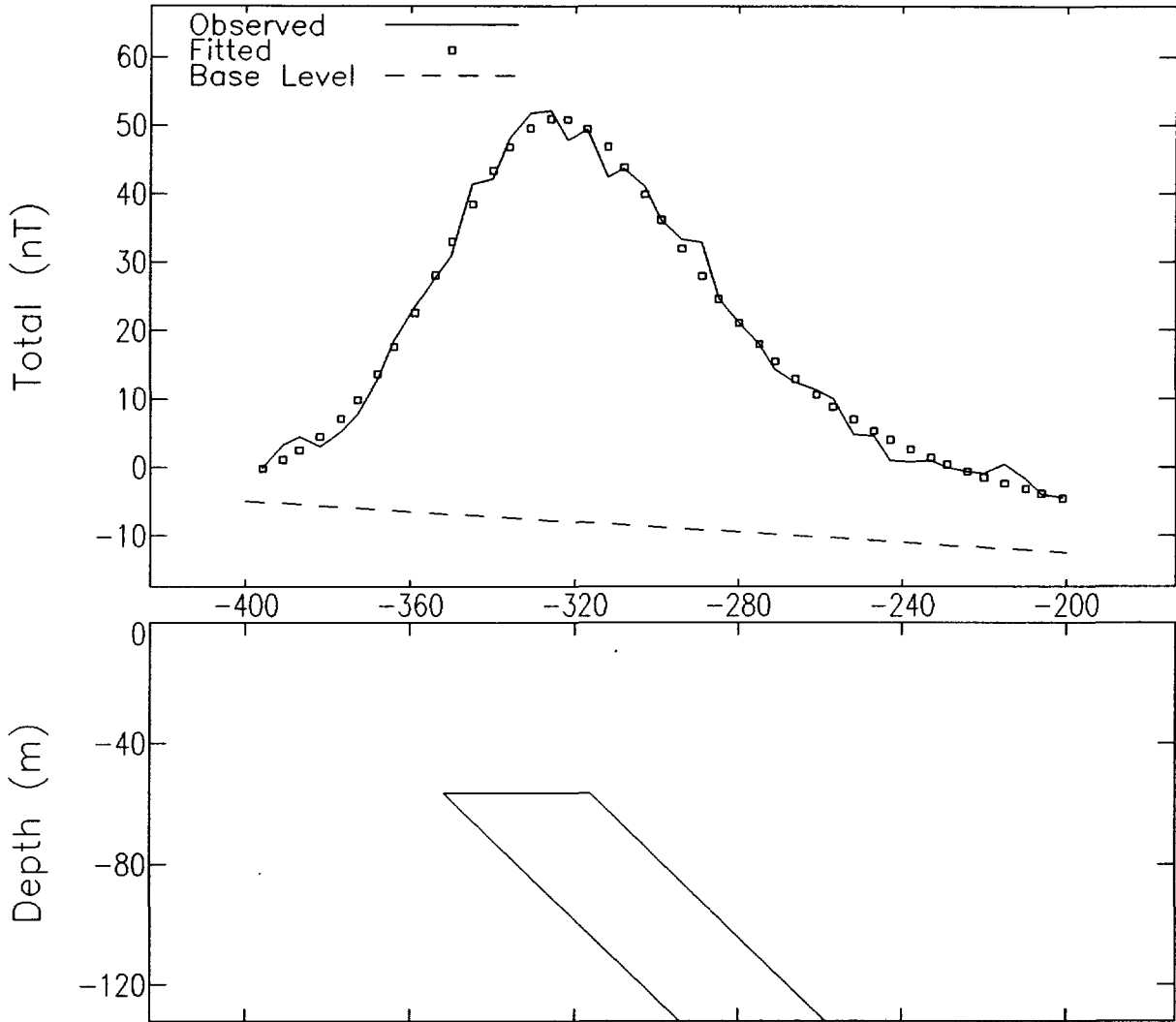
## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

A-15 - MacFadyen #2  
L5+50 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	56.5 m
Half Width	F	24.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	44 deg
Thickness	L	2622 m
Susceptibility	F	0.00201 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-333.9175 m
Cross Position	X	705580.3 m
Base Level	F	-7.451495 nT
Base Slope	F	-.0279929 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

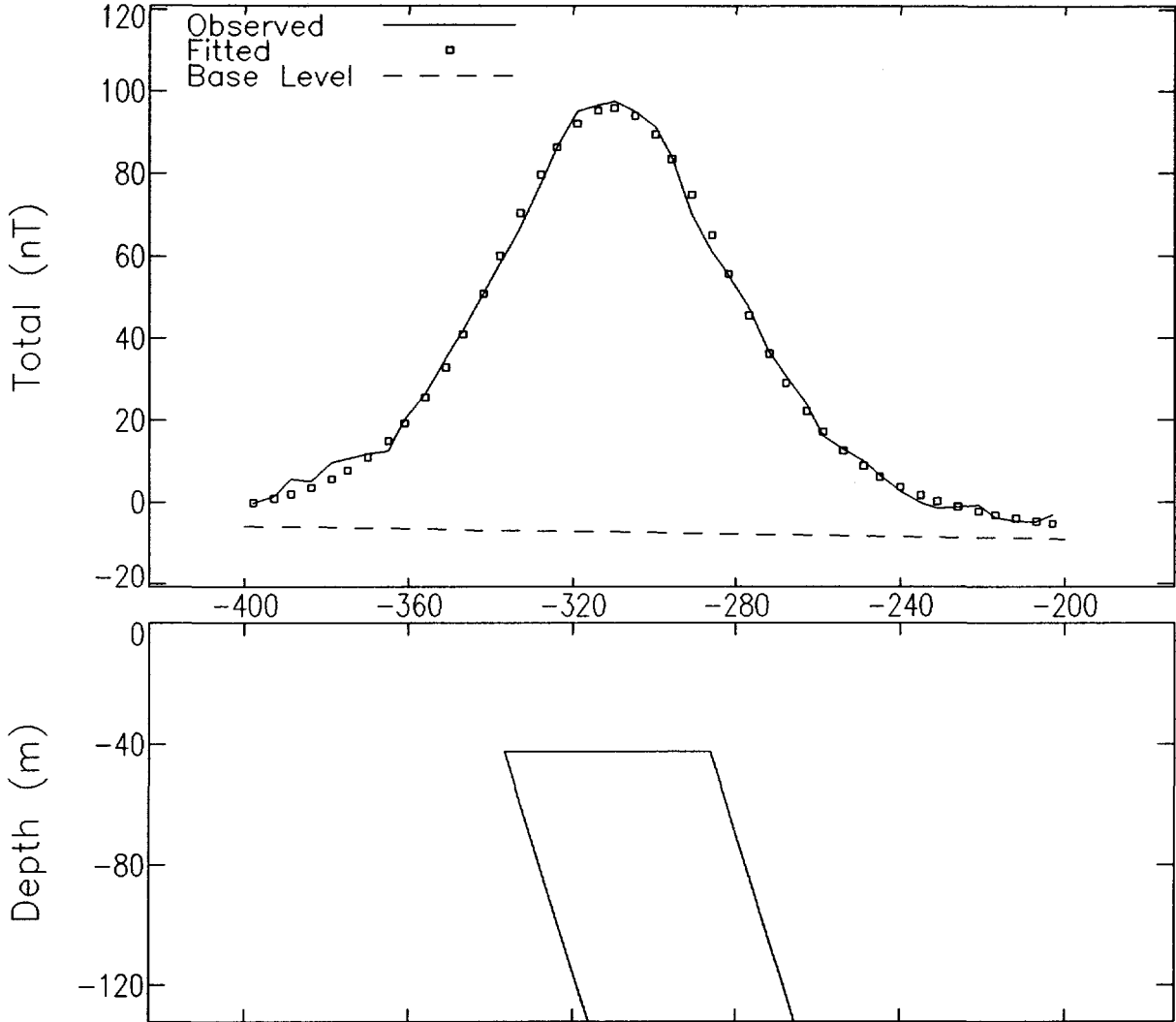
COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #2

L5+75 NW

Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	42.4 m
Half Width	X	34.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	73 deg
Thickness	X	1000 m
Susceptibility	F	0.00144 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-311.5721 m
Cross Position	X	705566.9 m
Base Level	F	-7.385645 nT
Base Slope	F	-.0120306 nT/m

## GEOMAGNETIC FIELD:

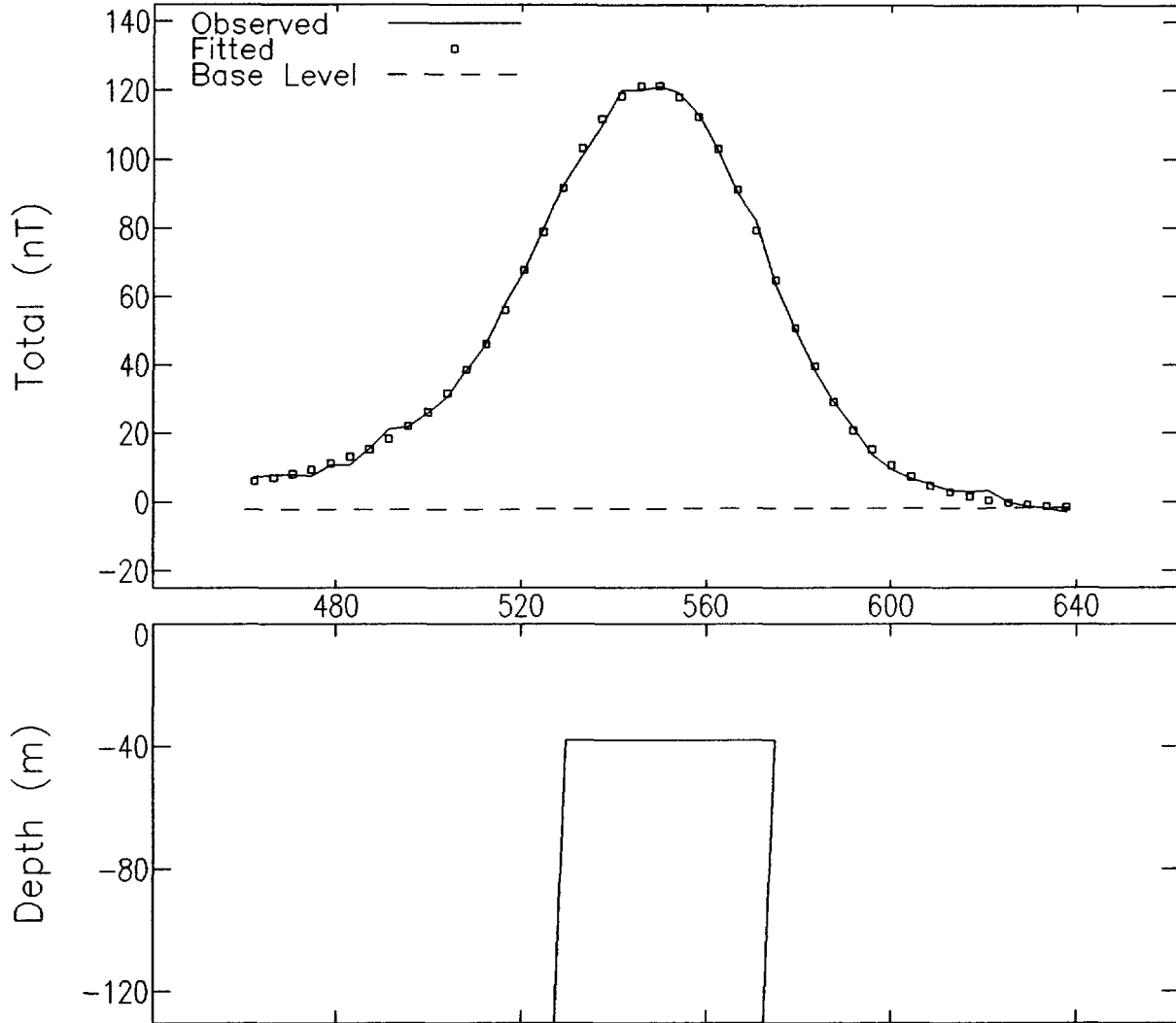
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - MacFadyen #2  
L6+00 NW

2.24050



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	37.9 m
Half Width	F	33.7 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	92 deg
Thickness	L	2623 m
Susceptibility	F	0.00146 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	552.3588 m
Cross Position	X	5862710 m
Base Level	F	-2.000061 nT
Base Slope	F	.0020946 nT/m

GEOMAGNETIC FIELD:

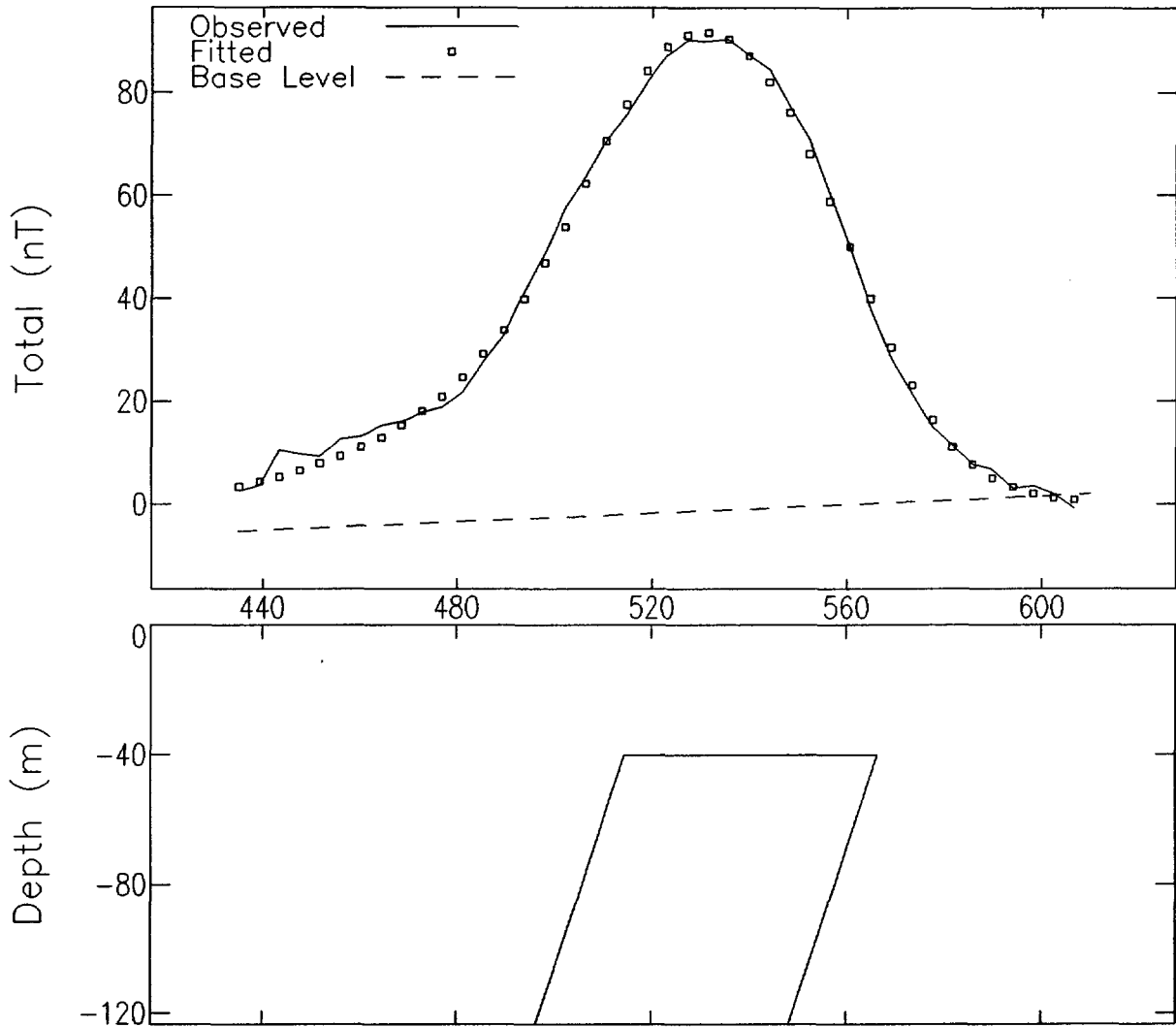
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	



A-15 - MacFadyen #2  
L6+25 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	40.3 m
Half Width	F	38.8 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	108 deg
Thickness	F	1574 m
Susceptibility	F	0.00114 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	540.3694 m
Cross Position	X	5862734 m
Base Level	F	-.9959604 nT
Base Slope	F	.0278285 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

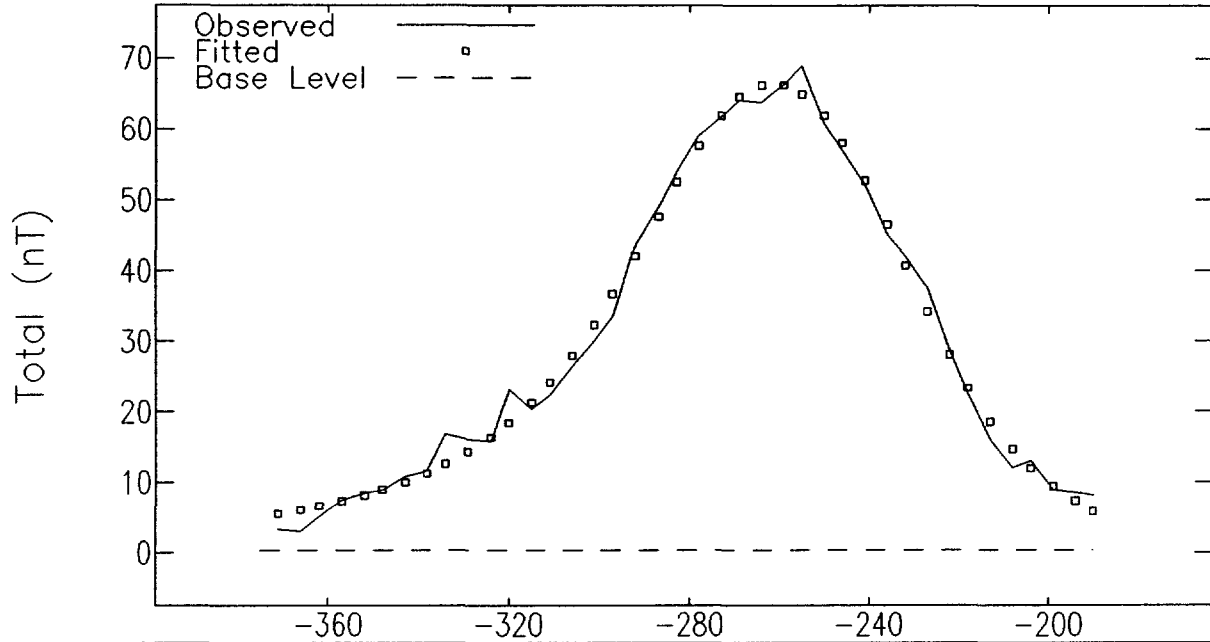
COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

# A-15 - MacFadyen #2

L6+50 NW

Base Slope Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	50.4 m
Half Width	F	32.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	93 deg
Thickness	L	2434 m
Susceptibility	F	0.00122 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-255.7531 m
Cross Position	X	705516.3 m
Base Level	F	.3355015 nT
Base Slope	X	0 nT/m

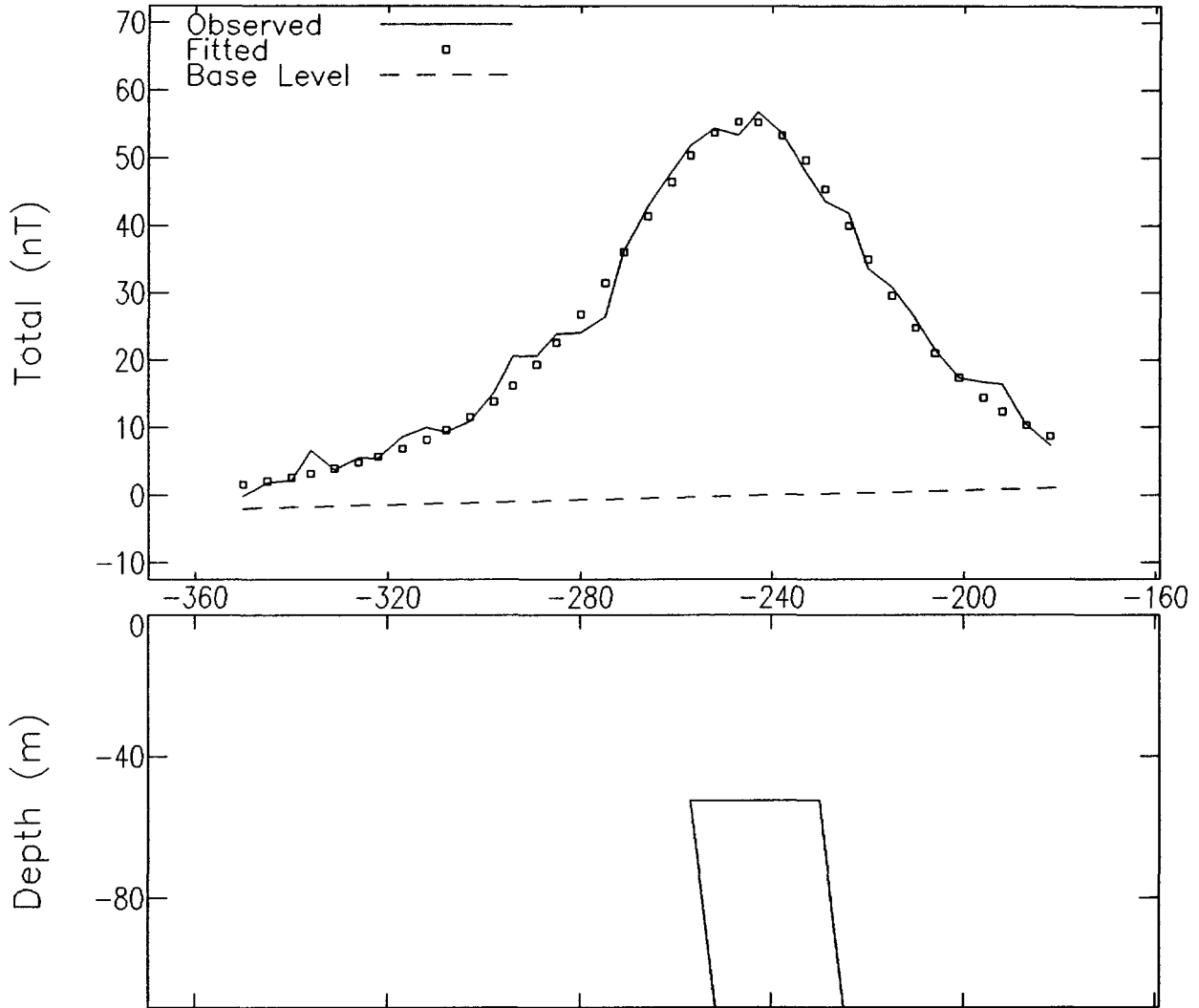
## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

A-15 - MacFadyen #2  
L6+75 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	52.5 m
Half Width	F	17.9 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	83 deg
Thickness	L	2255 m
Susceptibility	F	0.00176 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-243.4218 m
Cross Position	X	705493.6 m
Base Level	F	-.0769067 nT
Base Slope	F	.0132086 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

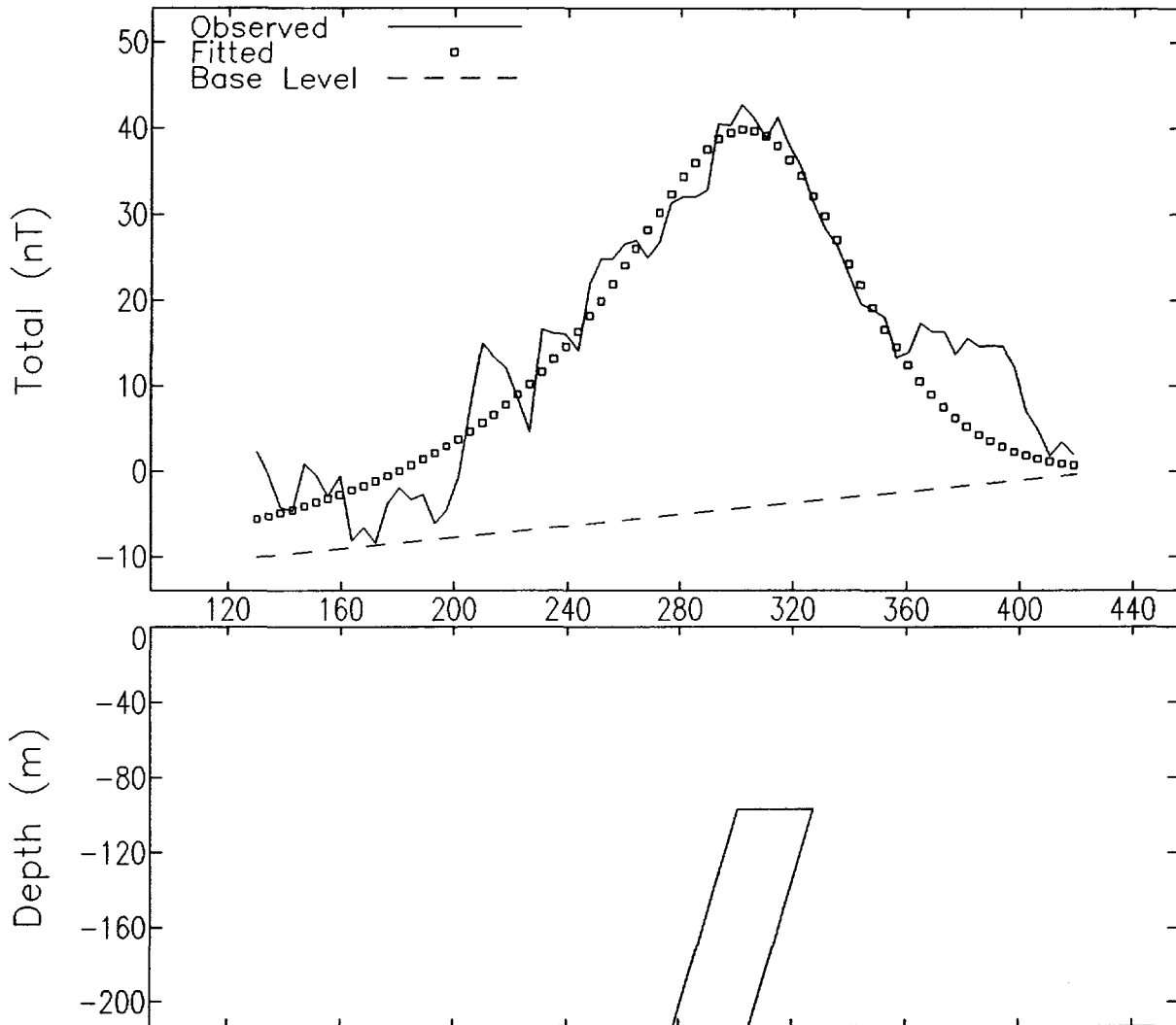
COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1

L9+00 NW

Width and Thickness Constrained



### MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	97.2 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	106 deg
Thickness	X	1000 m
Susceptibility	F	0.00406 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	314.1123 m
Cross Position	X	5862894 m
Base Level	F	-3.94871 nT
Base Slope	F	.022432 nT/m

### GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

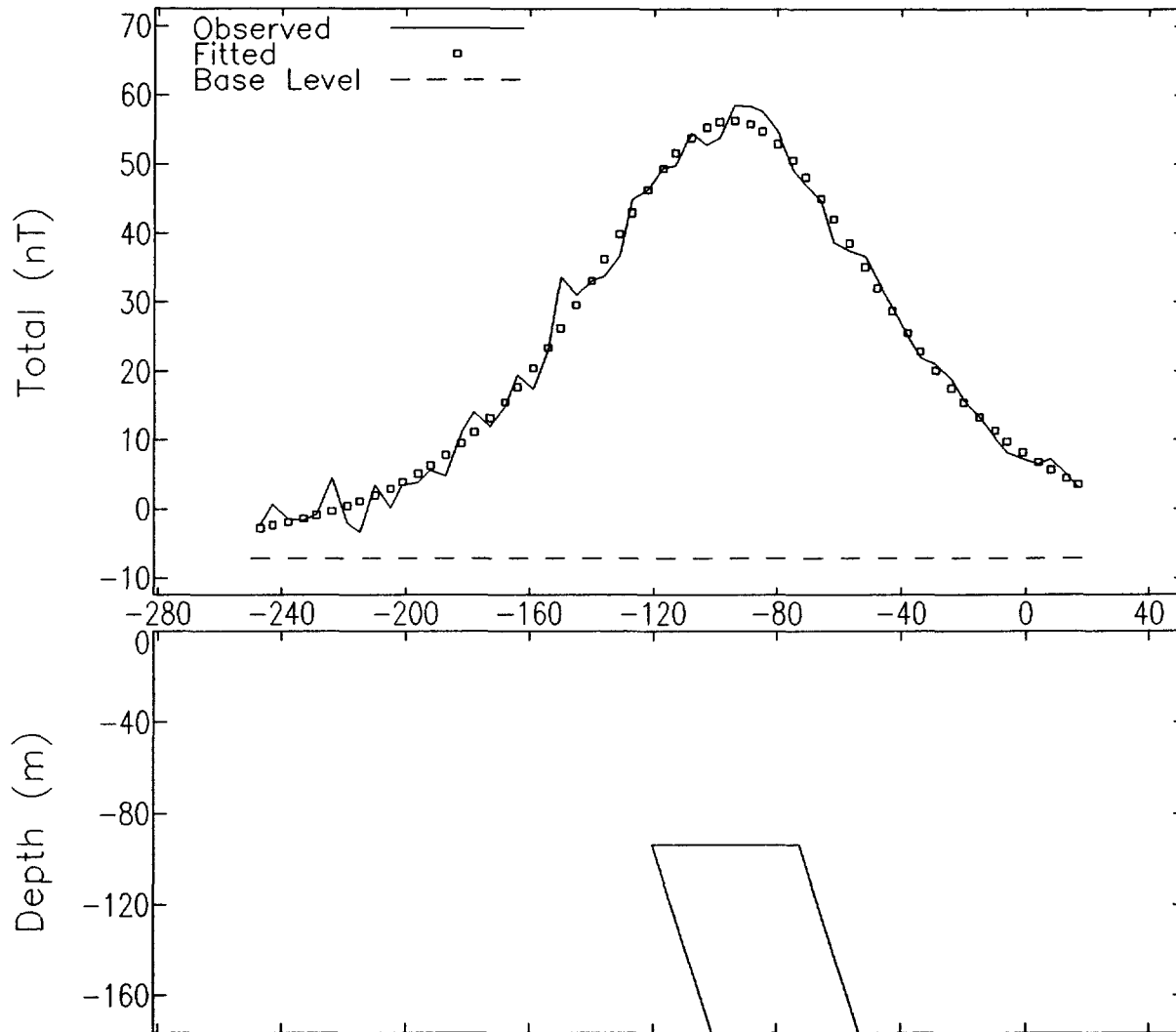
### COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

# A-15 - MacFadyen #1

L9+25 NW

Base Slope and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	93.7 m
Half Width	F	32.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	73 deg
Thickness	X	1000 m
Susceptibility	F	0.00345 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-96.51227 m
Cross Position	X	705289.6 m
Base Level	F	-7.150935 nT
Base Slope	X	0 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

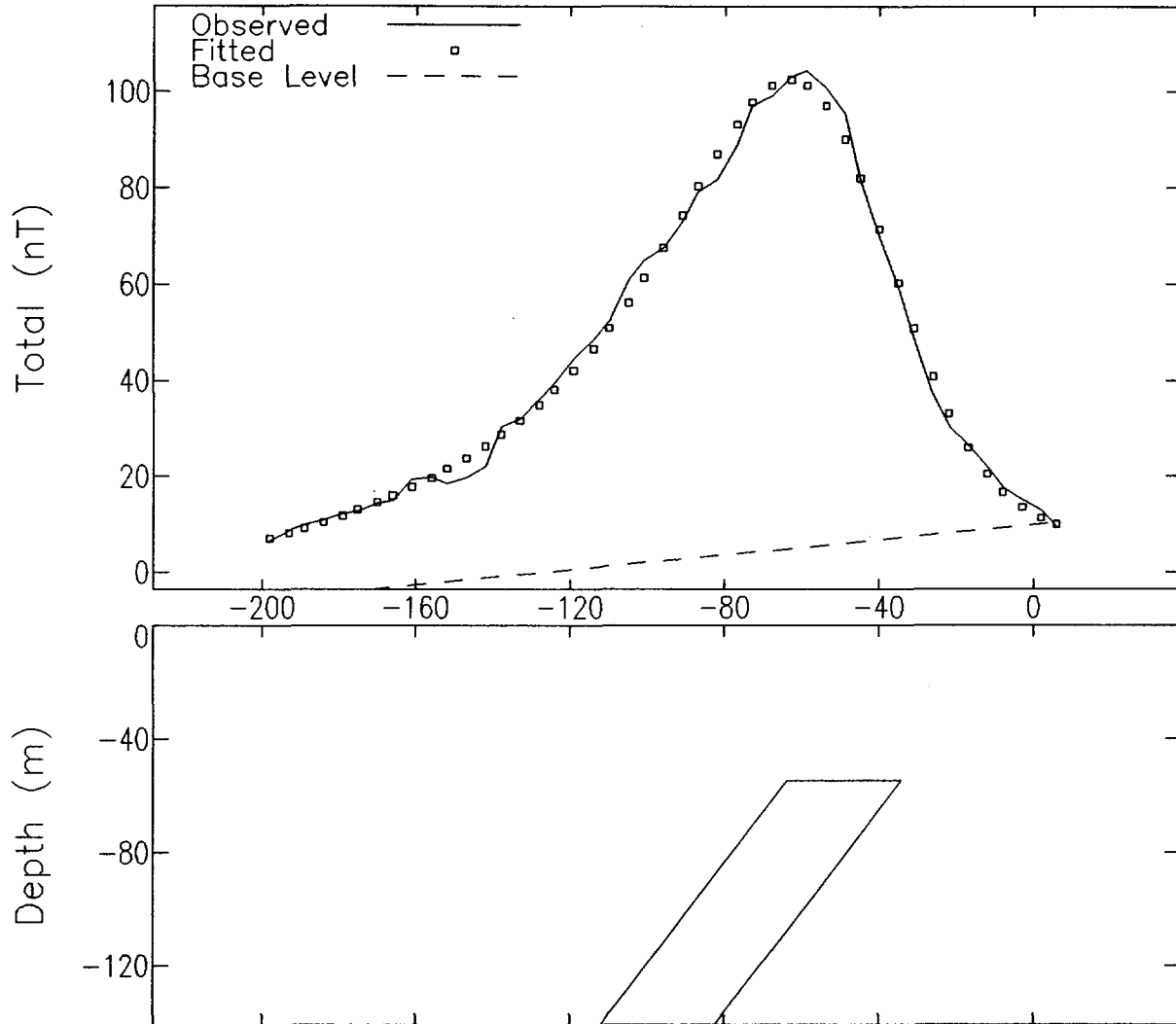
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1

L9+50 NW

Width Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	54.7 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	127 deg
Thickness	F	2699 m
Susceptibility	F	0.00359 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-48.9677 m
Cross Position	X	705298.8 m
Base Level	F	5.964705 nT
Base Slope	F	.0579658 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

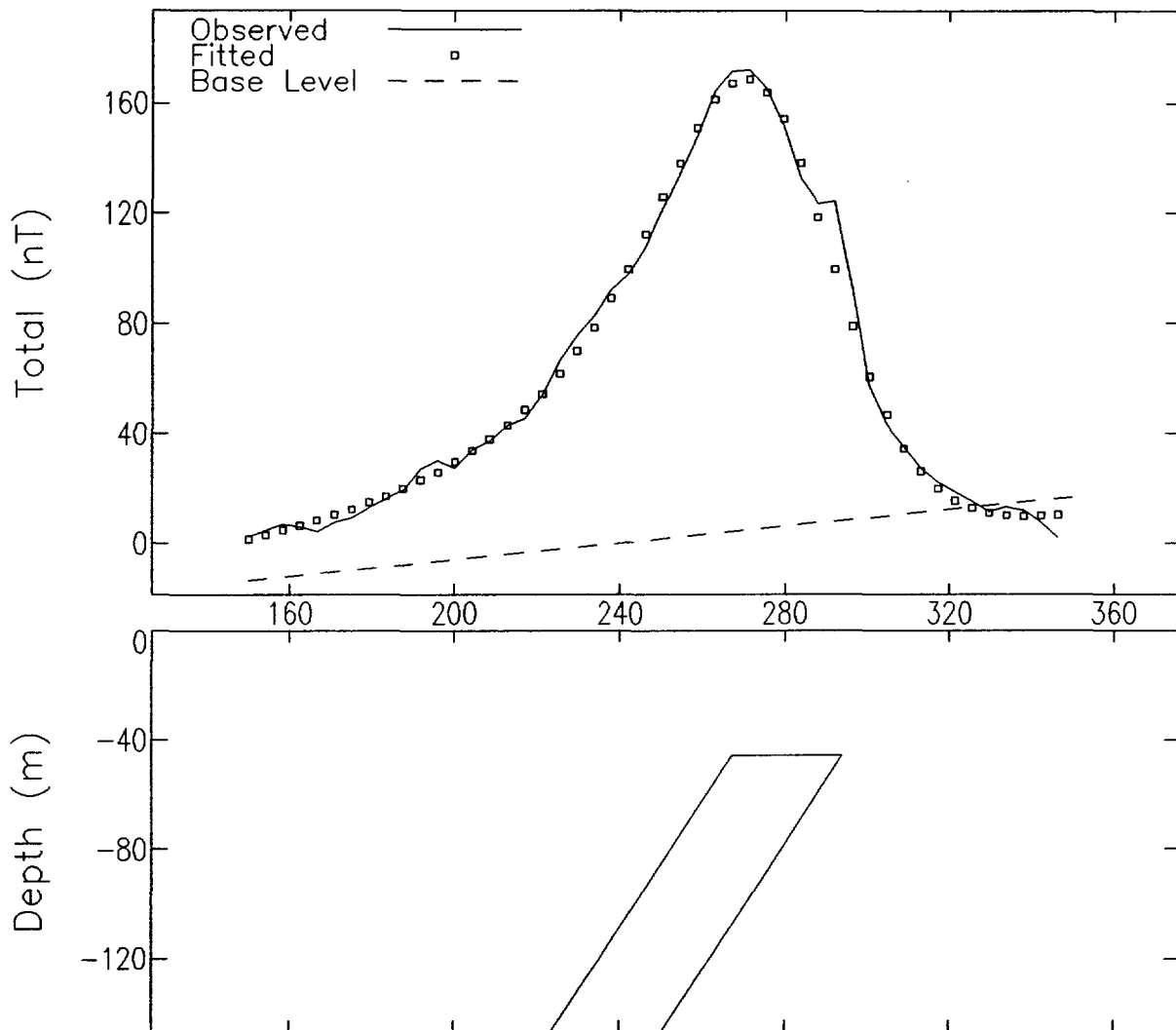
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1

L9+75 NW

Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	45.7 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	123 deg
Thickness	X	1000 m
Susceptibility	F	0.00430 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	280.696 m
Cross Position	X	5862969 m
Base Level	F	6.244498 nT
Base Slope	F	.1013426 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

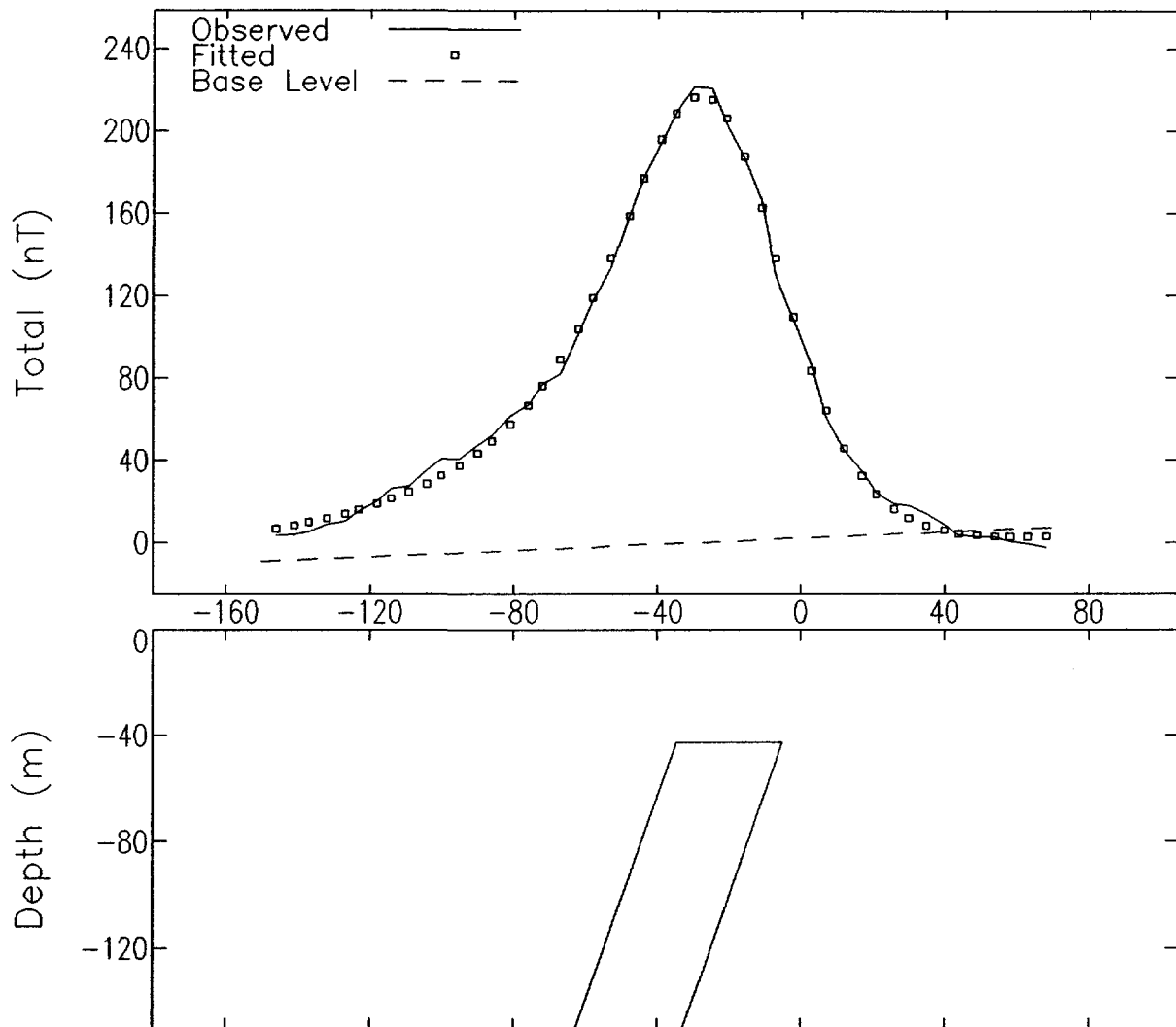
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

# A-15 - MacFadyen #1

L10+00 NW

Width Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	42.7 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	109 deg
Thickness	F	2873 m
Susceptibility	F	0.00466 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-19.89789 m
Cross Position	X	705257.3 m
Base Level	F	.5737584 nT
Base Slope	F	.0556107 nT/m

## GEOMAGNETIC FIELD:

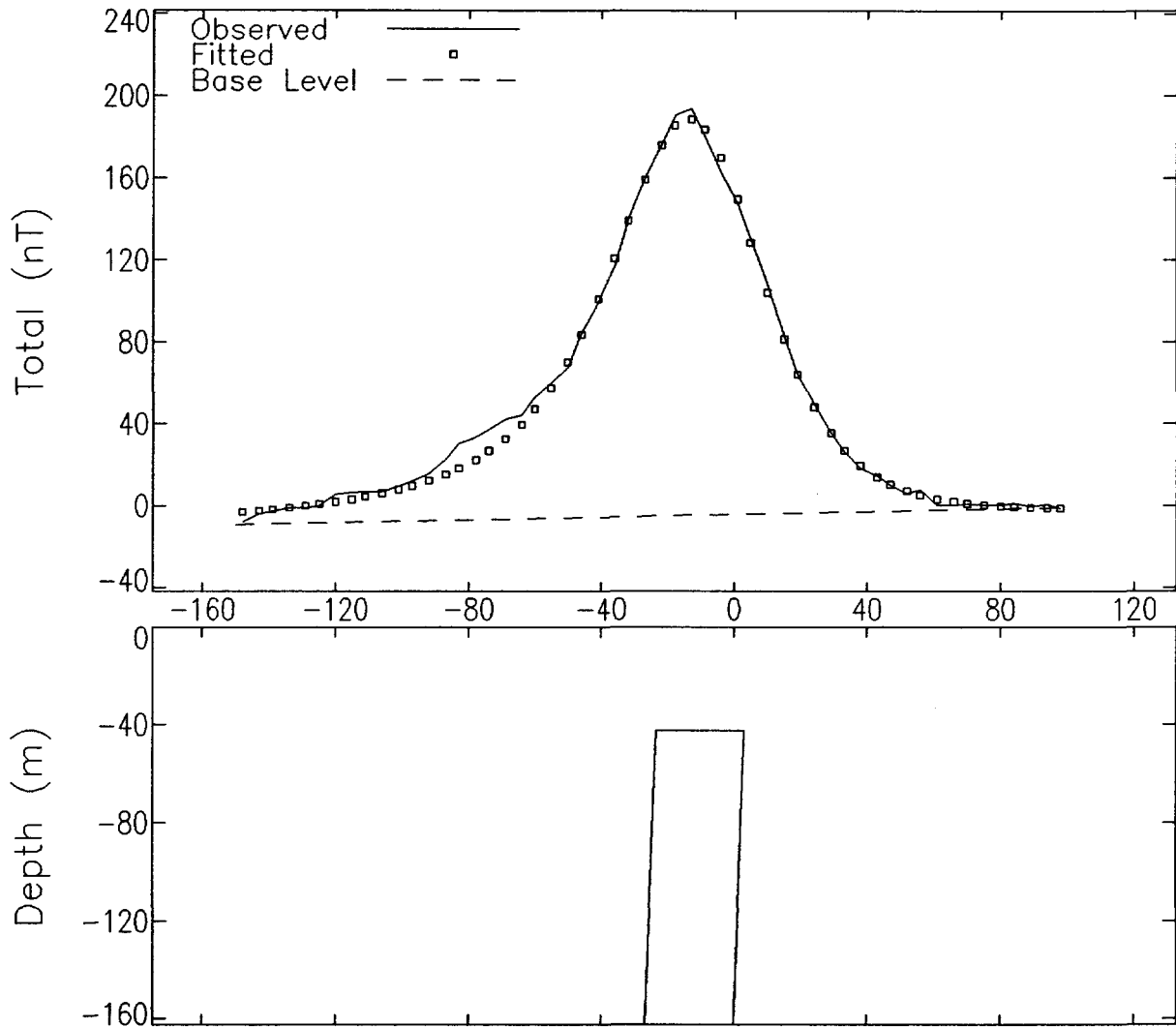
Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	



A-15 - MacFadyen #1  
L10+25 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	42.4 m
Half Width	F	17.9 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	92 deg
Thickness	L	3310 m
Susceptibility	F	0.00429 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	-10.12572 m
Cross Position	X	705232.9 m
Base Level	F	-4.645092 nT
Base Slope	F	.0246171 nT/m

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

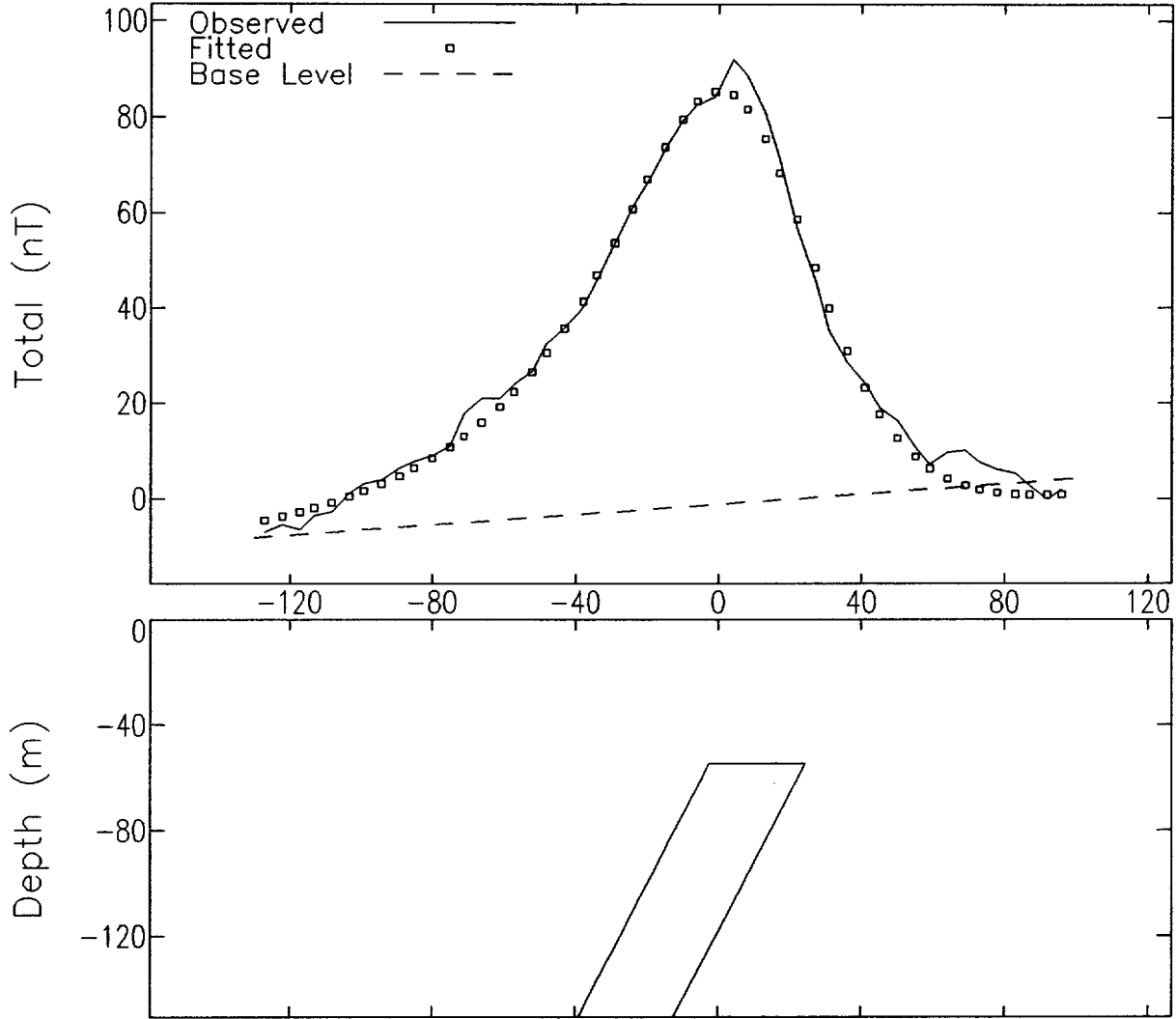
COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1

L10+50 NW

Width and Base Slope Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	54.6 m
Half Width	X	18.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	117 deg
Thickness	F	152 m
Susceptibility	F	0.00339 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	10.97952 m
Cross Position	X	705218.5 m
Base Level	F	-.6230129 nT
Base Slope	X	.04 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

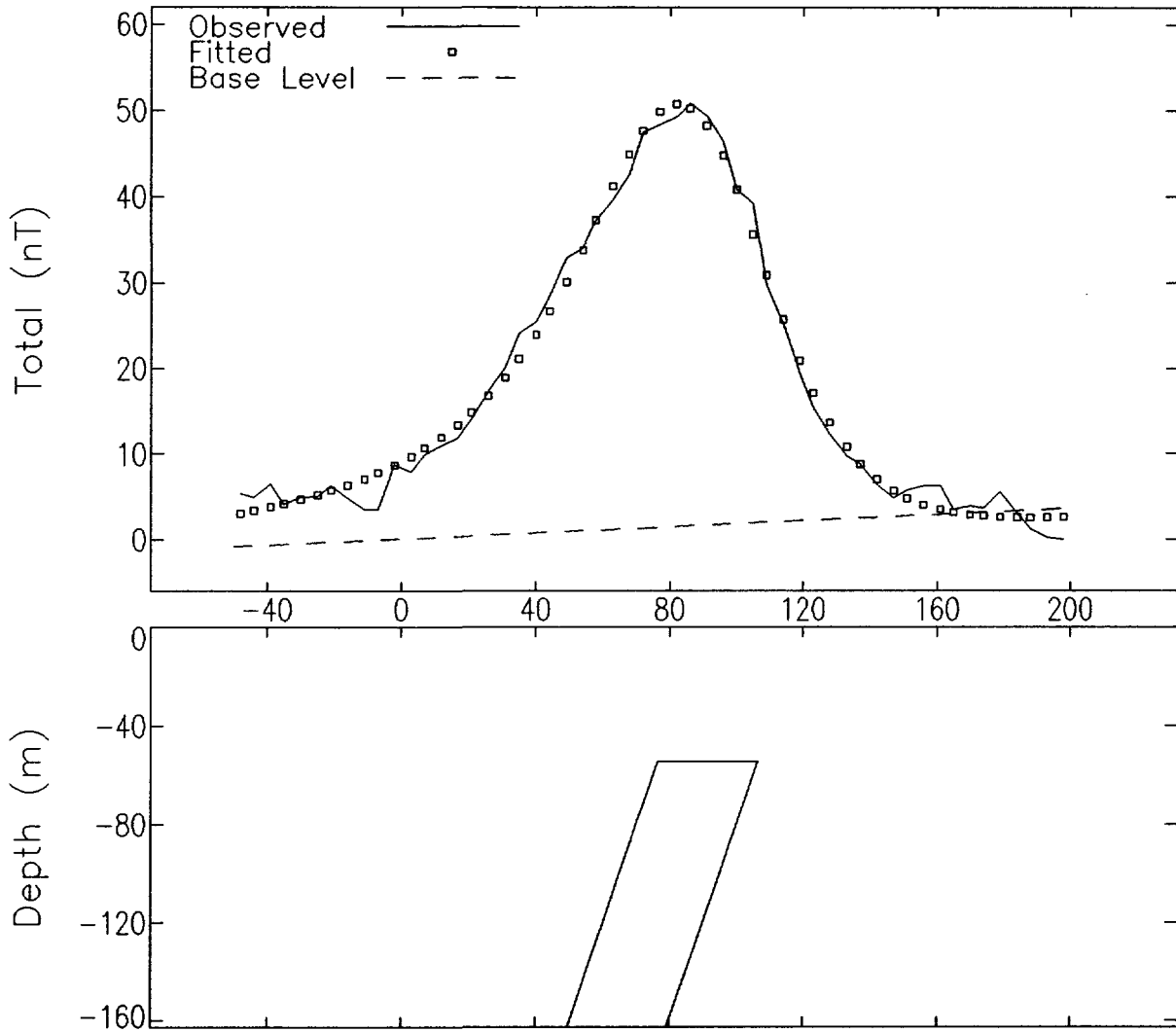
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1 (North Body)

L11+25 NW

Width and Thickness Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	54.4 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	109 deg
Thickness	X	1000 m
Susceptibility	F	0.00160 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	91.54118 m
Cross Position	X	705189.4 m
Base Level	F	1.676574 nT
Base Slope	F	.0131302 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

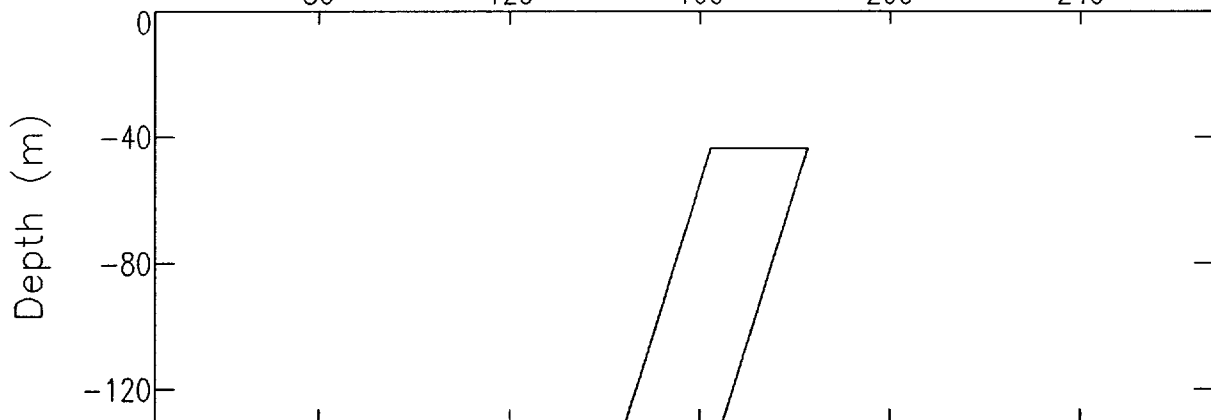
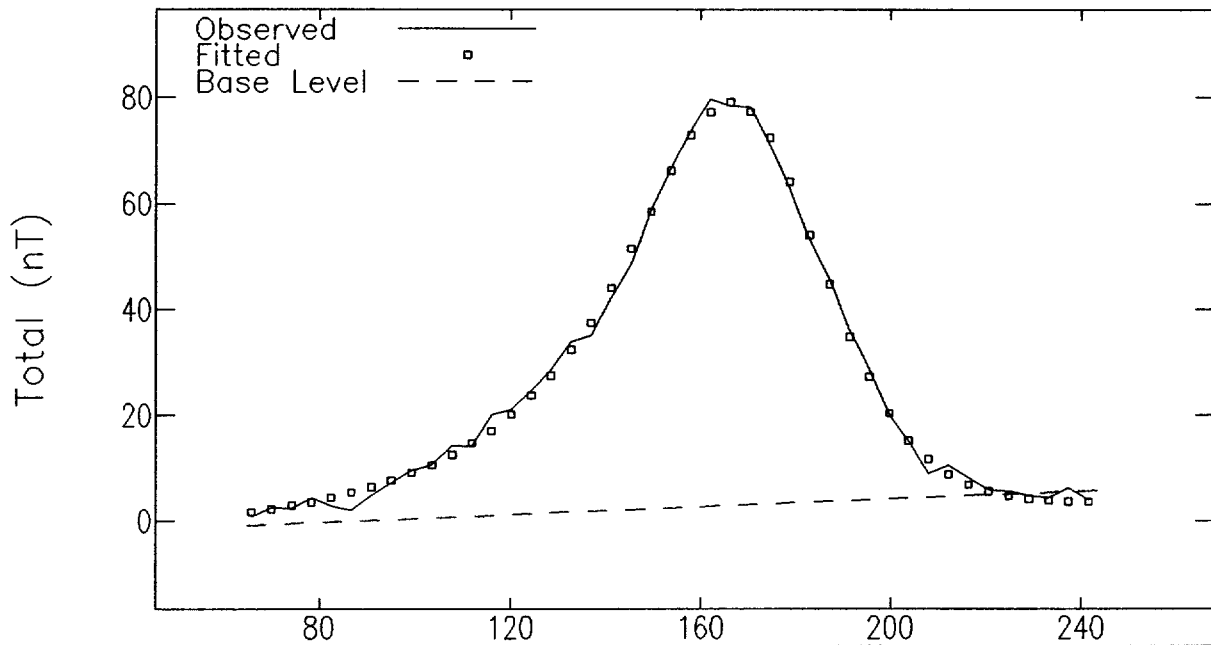
## COORDINATES:

Sensor Height	0 m
Strike Perp	25 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000 m
Cross Direction	90 deg
Cross Offset	

# A-15 - MacFadyen #1 (North Body)

L11+50 NW

Base Slope Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	43.8 m
Half Width	F	15.3 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	107 deg
Thickness	F	170 m
Susceptibility	F	0.00222 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	172.5105 m
Cross Position	X	5863111 m
Base Level	F	3.095188 nT
Base Slope	X	.025 nT/m

## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

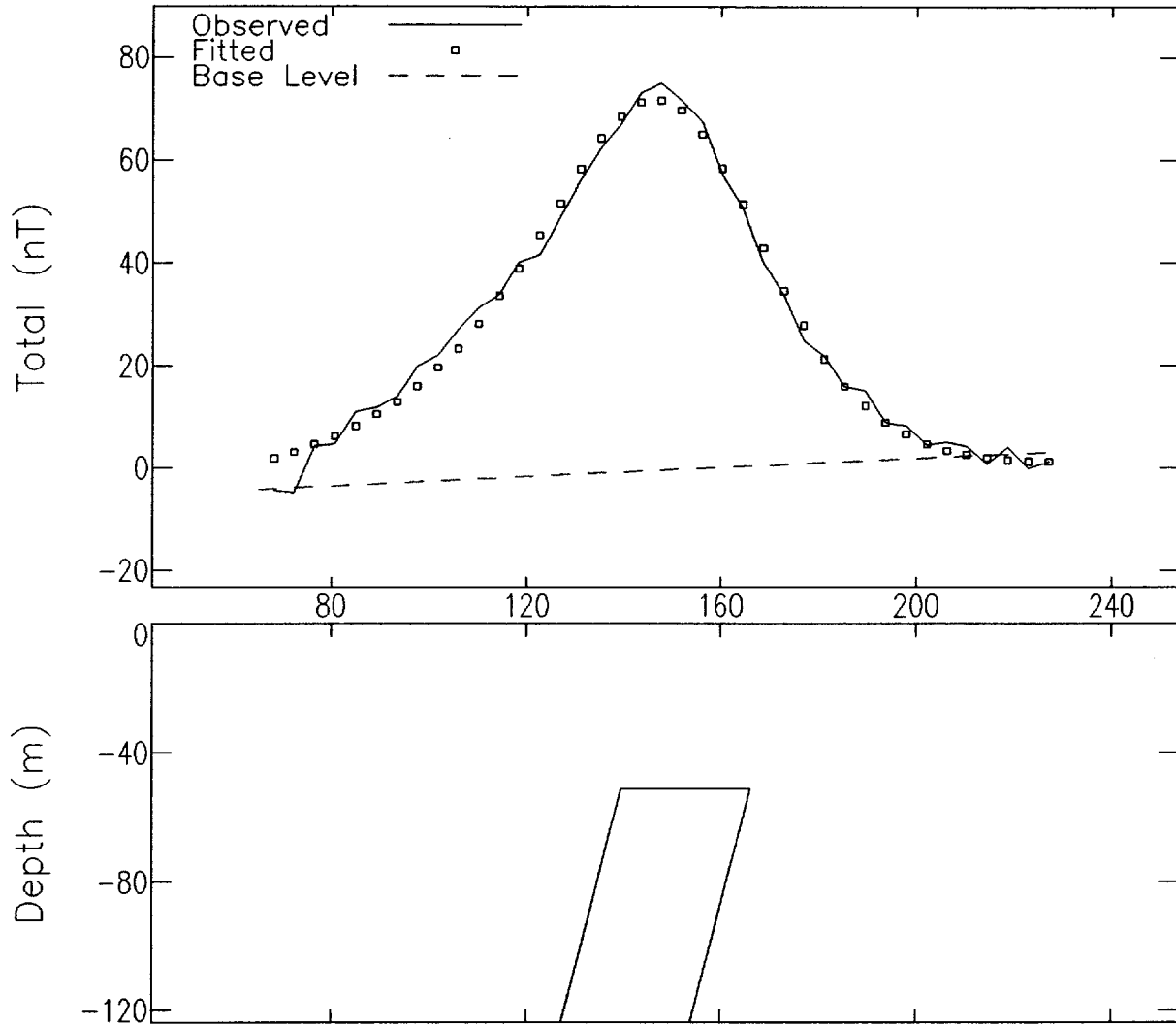
## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

## A-15 - MacFadyen #1 (North Body)

L11+75 NW

Width and Base Slope Constrained



## MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	51.3 m
Half Width	X	20.0 m
Half Length	X	25.0 m
Offset	X	0 m
Dip	F	104 deg
Thickness	F	141 m
Susceptibility	F	0.00221 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	152.8638 m
Cross Position	X	5863125 m
Base Level	F	-.277584 nT
Base Slope	X	.03 nT/m

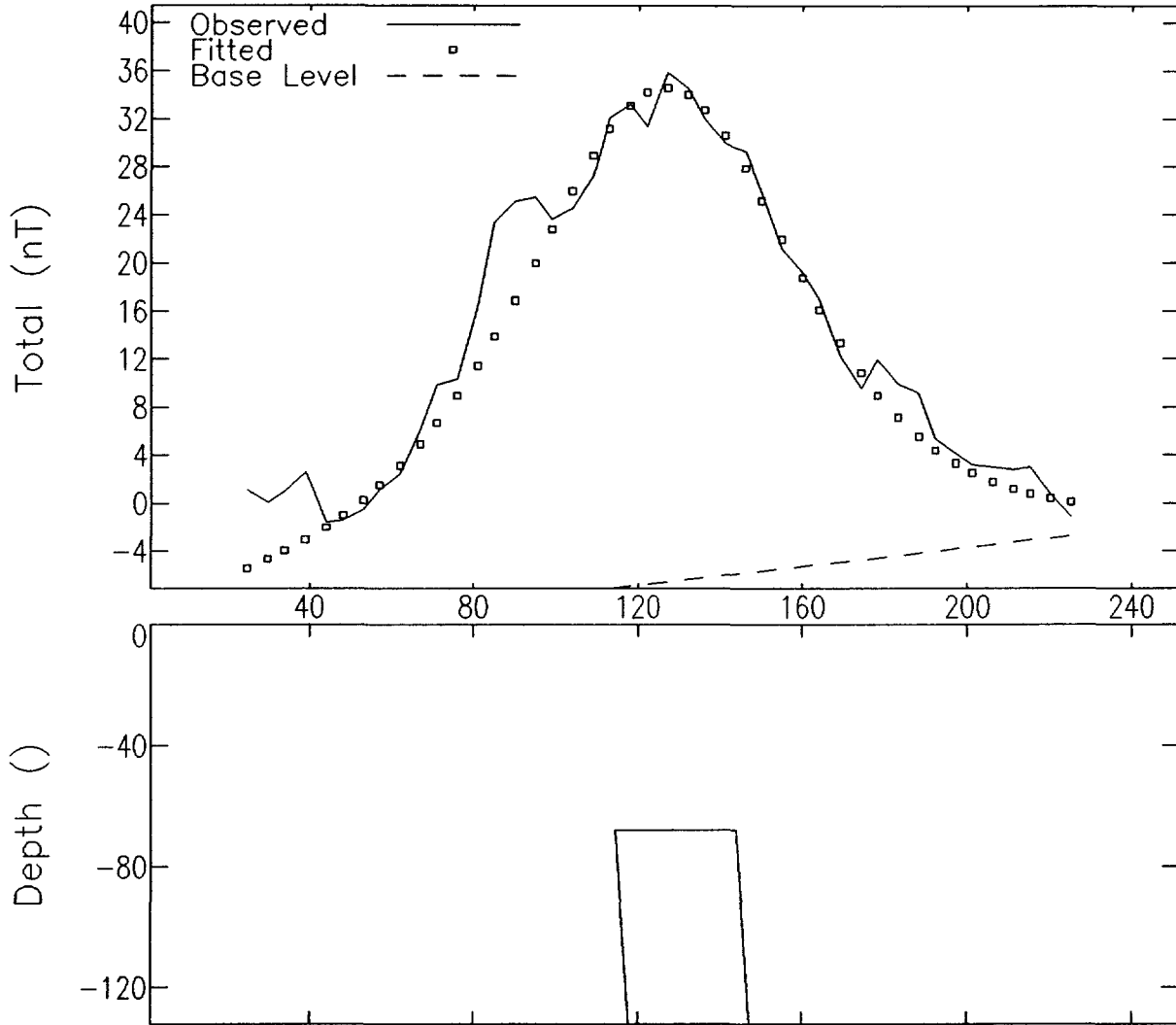
## GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

## COORDINATES:

Sensor Height	0 m
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	90 deg
Main Offset	705000 m
Cross Direction	0 deg
Cross Offset	

A-15 - MacFadyen #1 (North Body)  
L12+00 NW



MODEL PARAMETERS:

Model Type		Tabular2
Depth	F	67.9
Half Width	F	19.7
Half Length	X	25.0
Offset	X	0
Dip	F	86 deg
Thickness	F	2682
Susceptibility	F	0.00188 emu
Remnance Ratio	X	0
Remnance Incl	X	0 deg
Remnance Decl	X	0 deg
Main Position	F	129.2463
Cross Position	X	705122.6
Base Level	F	-6.518517 nT
Base Slope	F	.029244 nT/

GEOMAGNETIC FIELD:

Field Strength	60000 nT
Inclination	78 deg
Declination	-11 deg

COORDINATES:

Sensor Height	0
Strike Perp	42 deg
Line Direction	42 deg
Main Direction	0 deg
Main Offset	5863000
Cross Direction	90 deg
Cross Offset	



Date: 2002-SEP-03

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

RESSOURCES KWG INC./KWG RESOURCES INC.  
40 KING ST. WEST, APT. 3510  
TORONTO, ONTARIO  
M5H 3Y2 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.24050  
**Transaction Number(s):** W0260.01307

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at [steve.beneteau@ndm.gov.on.ca](mailto:steve.beneteau@ndm.gov.on.ca) or by phone at (705) 670-5855.

Yours Sincerely,



Roy Spooner  
Acting Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Ressources Kwg Inc./Kwg Resources Inc.  
(Claim Holder)

Spider Resources Inc.  
(Claim Holder)

Assessment File Library

Ressources Kwg Inc./Kwg Resources Inc.  
(Assessment Office)

Steve Munro  
(Agent)





# MINING LAND TENURE MAP

Date / Time of Issue May 15 2002 10:40h Eastern  
TOWNSHIP / AREA PLAN  
BMA 528 834 AREA G-1252

ADMINISTRATIVE DISTRICTS / DIVISIONS  
Mining Division Porcupine  
Land Titles/Registry Division KENORA  
Ministry of Natural Resources District COCHRANE

### TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Concession Park
- Health Reserve
- C.M., P.A. and P.M.
- Culvert
- Culvert - Approx. Access Disturbance
- Swamp
- Water Reservoir
- Roadway
- Road
- Fence
- Utility Line
- Water Line
- Communication Line
- Wooded Area
- Mineral Claim

### LAND TENURE

- Freehold Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasable Patent
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- License of Occupation
  - License Expired
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Land Use Permit
- Other In Culvert
- Water Power Lease Agreement
- Mining Claim

### LAND TENURE WITHDRAWALS

- Area Withdrawn from Disposition
  - Mining Act Withdrawal Types
  - Surface And Mining Rights Withdrawal
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal
  - Order in Council Withdrawal Types
  - Surface And Mining Rights Withdrawal
  - Surface Rights Only Withdrawal
  - Mining Rights Only Withdrawal

### IMPORTANT NOTICES

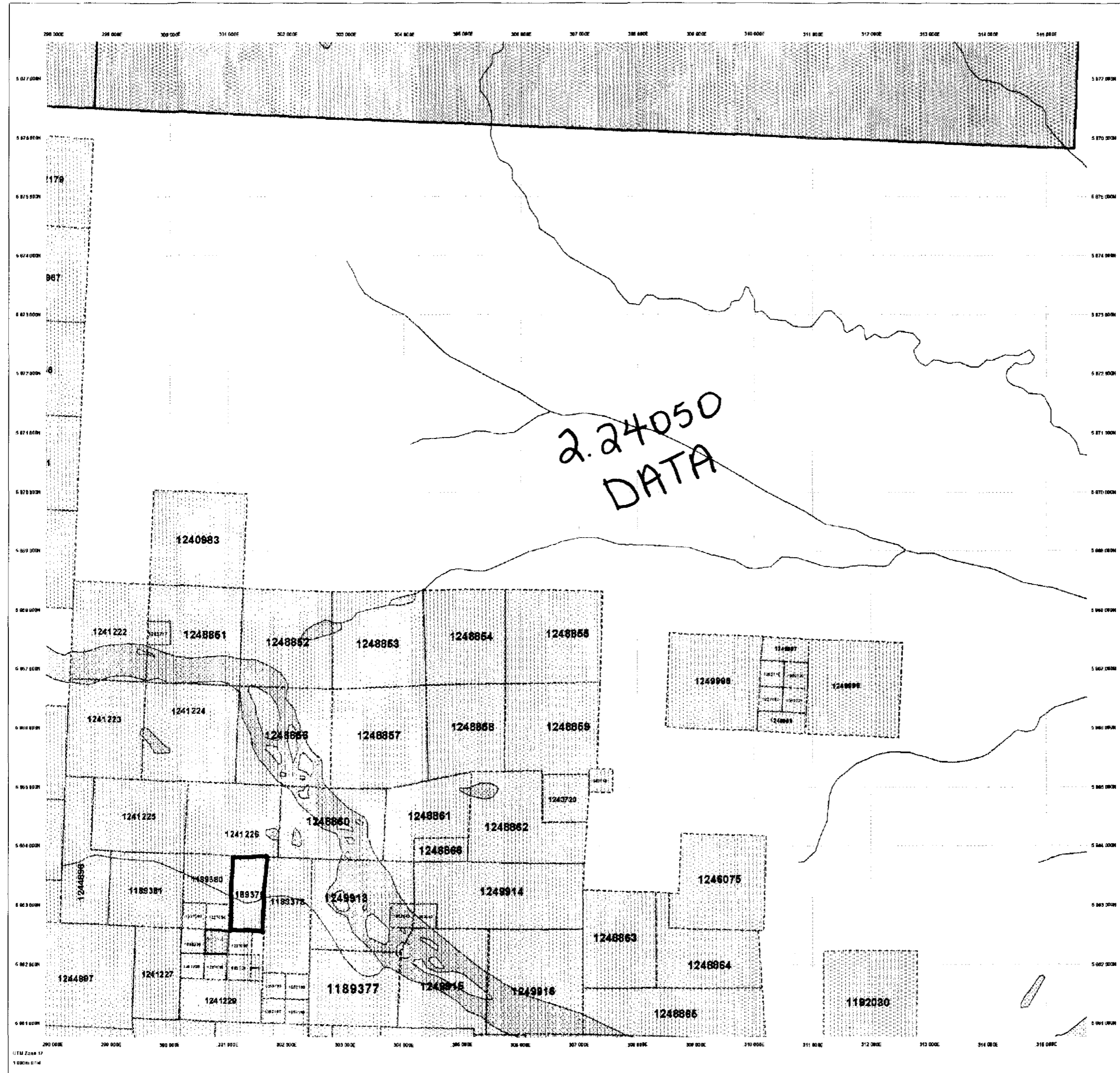


### LAND TENURE WITHDRAWAL DESCRIPTIONS

Number	Type	Date	Description
1240908	Water	Oct 3 2001	Pending Application for O.R. and O.M. rights, Oct. 30/01 per O.R. Reg. 703 as amended by O.R. Reg. 15/009, refer to Section 29 of the Mining Act for mining of other minerals
1240909	Water	Oct 3 2001	Pending Application for O.R. and O.M. rights, Oct. 30/01 per O.R. Reg. 703 as amended by O.R. Reg. 15/009, refer to Section 29 of the Mining Act for mining of other minerals
1240910	Water	Feb 16 2002	Sec. 35 Mining Act Surface Rights Feb. 16, 2002 109500

### IMPORTANT NOTICES

Users to be: which social regulations, limitations or conditions exist that affect mineral properties, mining and mineral exploration activities.



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General Information and Limitations  
Contact Information: Provincial Mining Records Office, 1437 Hwy. 111 N, Porcupine, ON P0H 1S0, Tel: 807-929-4150

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43B13N2006 2.24050 BMA 528 834  
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