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EL 2860

EASTERN LAKE TORRENS PLAINS AREA

PROGRESS AND [FINAL] ANNUAL REPORTS TO LICENCE EXPIRY FOR THE PERIOD 22/10/2001 TO 21/10/2002

Submitted by
Mara Pty Ltd
2003

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Enquiries: Customer Services
Ground Floor
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Telephone: (08) 8463 3000
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PRIMARY INDUSTRIES AND RESOURCES SA

Lake Torrens - EL 2860

Lake Torrens Area - Exploration Licence 2860

Operations Report

January 2002

Author	**Mara Pty Ltd**

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Magnetic anomalies

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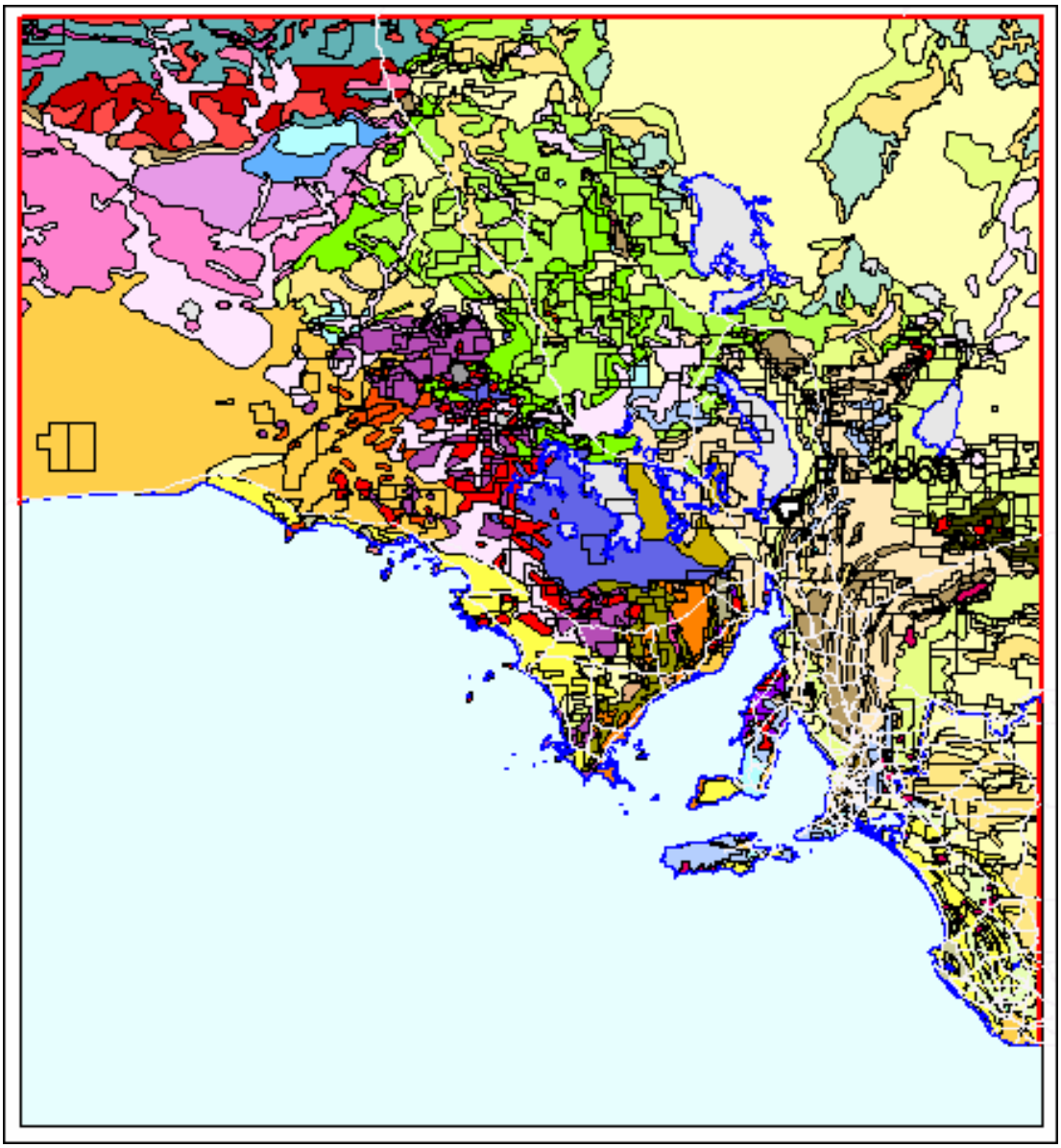


Location plan EL 2860 - lake Torrens

INTRODUCTION

This report describes the recent ground gravity survey undertaken by Allender Exploration Pty Ltd on behalf of Mara Pty Ltd in EL 2860.

The work was concentrated on geophysical acquisition over a previously identified magnetically anomalous area within the central and eastern portion of EL 2860.

LOCATION AND ACCESS

EL 2860 lies 40 kilometres west of the town of Hawker. Access is by road via the Hawker-Parachilna Road then west via unsealed roads and station tracks largely on Wallerberdina and Lake Torrens pastoral stations.

TENURE

Exploration licence 2860 was granted on the 22 October 2001. The term of the tenement expires on 21 October April 2002.

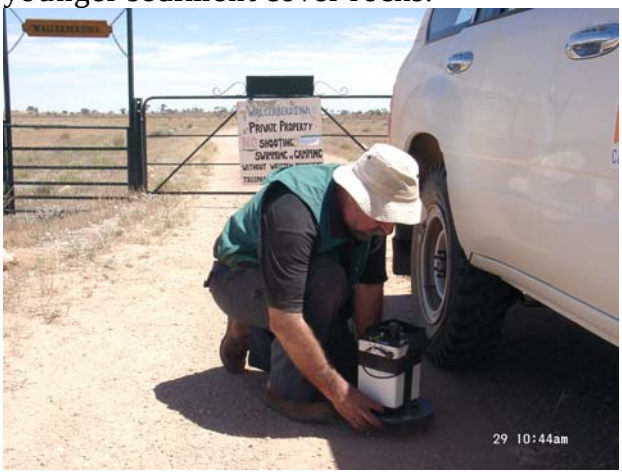
GEOLOGY

The geology of the tenement is not well known. Basement outcrop is restricted to the Flinder's Ranges to the east of the

tenement; no pre-Mesozoic outcrop exists within the tenement confines west of the railway line.

Seismic and limited drilling suggest a semi-planar basement exists at a depth of about 120 metres sub-surface, west of the railway line.

Sulphides have been encountered in one drill-hole (pers. comm. A. Birkner). Several other holes drilled by Deserstone in the area failed to penetrate through the younger sediment cover rocks.



Wallerberdina main Gate

Road into Wallerberdina.

PREVIOUS EXPLORATION

Previous exploration in the region has been sporadic and limited. A detailed close-spaced airborne magnetics survey with follow-up ground verification was undertaken. An unsuccessful drilling program followed with most of the drill holes failing to meet their targets

EXPLORATION BY THE CURRENT LICENCE HOLDERS

The licence holder reviewed the available geophysical data.

Data were obtained from PIRSA's Initiative surveys, and from a close spaced low altitude aeromagnetic survey undertaken by the previous licence holder, Desertstone NL. All magnetic data were reprocessed, a mosaiced and reduced to the pole. The data over several discrete magnetic anomalies were modelled and the results are included in this report.

A detailed geophysical program over the central and eastern portion of EL 2860 that demonstrated anomalous magnetic features was designed. A Landsat ETM 7 scene provided a base for a programmed geophysical acquisition program.

The proposed gravity stations were placed according to the distribution of the magnetic anomalies. These stations were digitised and used as waypoints for the navigation systems used in the survey

The ground gravity survey work was undertaken in December 2001 and January 2002. The survey locations were derived using Real Time Kinematic equipment. La Coste-Romberg gravity meter model G No 212 was used to record field gravity readings. Data were field reduced and preliminary contour maps were field produced in order to verify morphological internal consistency and to design infill program.

Reading the La Coste Romberg gravity meter.

The picture shows the key elements of the real time kinematic GPS (RTK). The base station antenna is mounted on the tripod with the UHF antenna up above, on top the staff. The yellow box on the tripod is the UHF transmitter link to the mobile, in this case the vehicle. The electronic coordinating unit is, on the ground, out of sight.

The mobile has a similar configuration. Note the GPS antenna on the bonnet. The spring-mounted antenna on the bull bar is the UHF link for the RTK GPS from the mobile to the base station. The transmitter and coordinator units for the mobile are in the vehicle.

The white GPS antenna on the bull bar is the separate navigation system GPS antenna. The bonnet mounted UHF antenna is the local communication radio.

The unit has a data logger and controller that is show below.

RTK GPS base station showing UHF link to mobile Base station coordinating unit and power supply and Wence holding the controller. A similar setup is in the vehicle.

The controller is shared between the base and the mobile and travels with the operator.

The system is really good. There is no post-processing; all positional results including elevations are displayed in real time and provide a repeatable accurate reading, relative to a known point of 12mm vertical, over a horizontal range of 10 kms. Horizontal resolution is infinitesimal.

RTK GPS base station showing GPS receiver

RTK GPS data logger and controller

The controller. has a very well designed one-handed operating mode with an alphanumeric keyboard for data entry and to control the whole system either by direct plug-in or by UHF radio. The device logs a large number of parameters including of not only the X,Y,Z values but also RMS errors, satellite parameter data, time and so on. It is also capable of making program, actual and navigation maps. Waypoints, tracks and routes can also be used. Data were downloaded every couple of days into a PC and logged manually as well. The gravity data can also be logged with this device.

The real time output is superb and readily allows a check on system integrity. Gone are the days of post-processing GPS location data.

LaCoste Romberg meter

La Coste Romberg meter

Sand Dune in centre of survey

Occasional vehicle difficulty

The following software packages were involved in the office data reduction :

Petrosys
Intrepid
Potent
Model Vision
ERMapper
Mapinfo
PFE32
Manifold

RESULTS

The results were very good and showed little noise. The navigation system and in combination with the La Coste Romberg meter worked well and resulted in an error free data set The results have been incorporated with the regional State data base and the results presented as Bouguer gravity grid images and contours.

CONCLUSIONS

The results of the geophysical modelling suggested that the majority of magnetic anomalies were due to linear, dyke like features with most, steeply dipping and characterised by high susceptibility and being relatively thin. The mafic outcrop of basaltic flow material exposed in a quarry south near Warrak imbo woolshed may be similar to the source of these anomalies.

The gravity data sets confirm the dyke model inasmuch as there are no obvious large dense bodies in the area covered by the gravity survey.

The integrated Bouguer data set however does highlight and tends to give more credence to the north south gravity ridge which runs north south and is parallel to the recent survey and parallel to and west of the zone of magnetic anomalism. There are no associated magnetic anomalies associated with this ridge. The geological associations remain speculative. More gravity data points may be appropriate over this feature to better define its amplitude and extent.

REFERENCES

Drexel, J.F., Preiss, W.V. and Parker, A.J. 1993. The Geology of South Australia. Vol 1, The Precambrian. South Australia

Preiss, W.V. (Compiler), 1987. The Adelaide Geosyncline—Late Proterozoic stratigraphy, sedimentation, palaeontology and tectonics. Bull. Geol. Surv. S. Aust., 53.

Open File Reports - Envelope 0904 PIRSA. This folder contains reports from Desertstone NL. Exploration activities

Lake Torrens - EL 2860

Lake Torrens Area - Exploration Licence 2860

Operations Report

September 2002

Author	**Mara Pty Ltd**

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Bouguer gravity contours
Bouguer gravity contours over RTP image
RTP contours over Bouguer gravity image
RTP contours over RTP image

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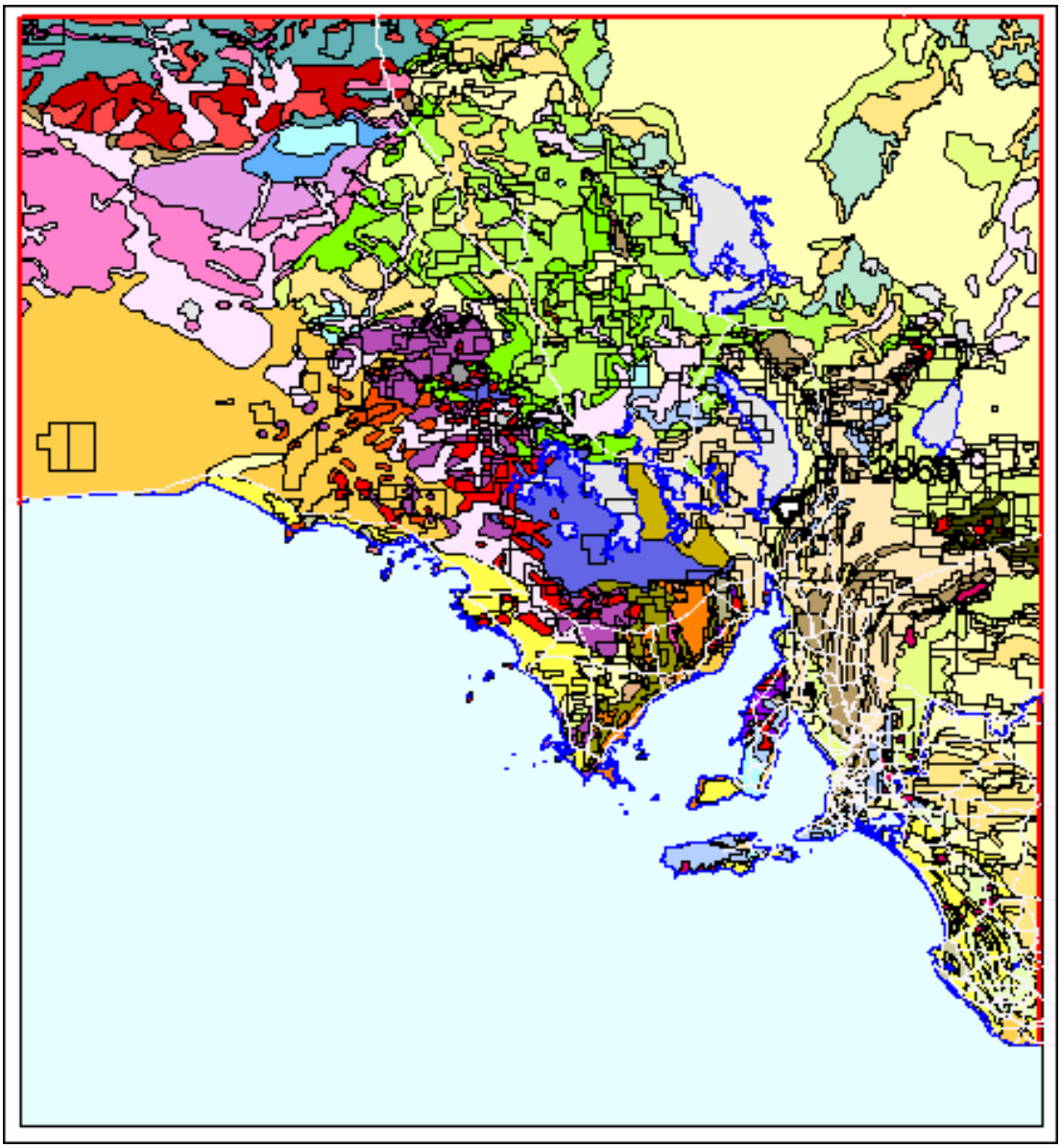

Location plan EL 2860 -Lake Torrens

INTRODUCTION

This report describes the recent ground gravity survey undertaken by Allender Exploration Pty Ltd on behalf of Mara Pty Ltd in EL 2860.

The work was concentrated on geophysical acquisition over a gravity anomalous area within the central portion of EL 2860 resulting from an earlier regional survey. The gravity acquisition field work was undertaken between 18-21 May 2002 and a follow detailed in-fill survey up between 16-19 September

LOCATION AND ACCESS

EL 2860 lies 40 kilometres west of the town of Hawker. Access is by road via the Hawker-Parachilna Road then west via unsealed roads and station tracks largely on Wallerberdina and Lake Torrens pastoral stations.

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Bench Mark 8782

Road into Wallerberdina.

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Mara undertook this regional gravity survey with the objective to define areas within the licence that could provide

suitable geophysically based drilling targets.

The current program was designed to further investigate and delineate the gravity ridge which runs north south and is parallel to the earlier regional survey and parallel to and west of the zone of magnetic anomalism. There are no associated magnetic anomalies associated with this ridge. The geological associations remain speculative. More gravity data points were programmed over this feature to better define its amplitude and extent. The first phase of this program defined a prominent ridge and some striking anomalism to the south west. Preliminary modelling o these data however did suggest that the target source s were deep. A second phase detailed survey was planned to provide close spaced data sets for modelling with confidence. This phase addressed the previously defined gravity anomalies as well as the principal magnetic anomalies,

Reading the La Coste Romberg gravity meter.

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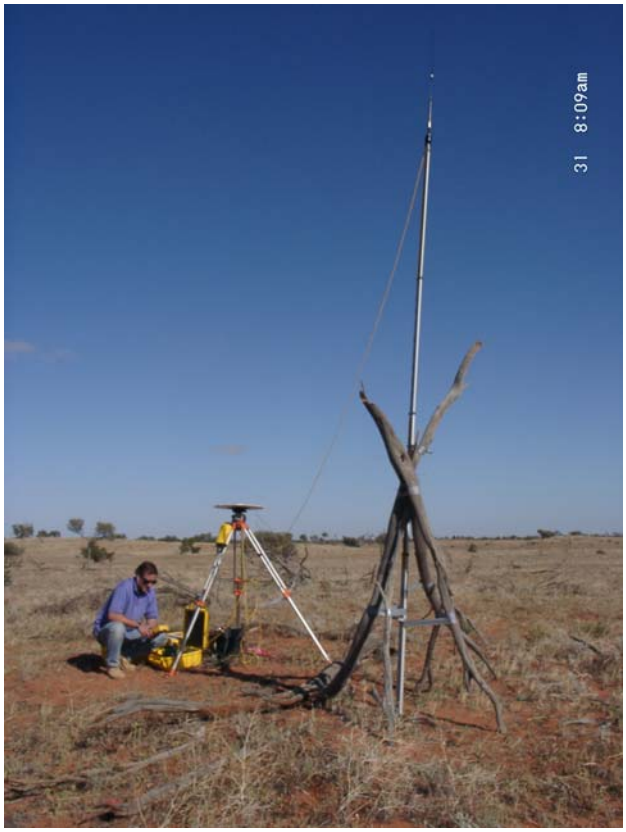

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LaCoste Romberg meter

Survey base station

Sand Dune in centre of survey

Camp site – Lake Torrens Station

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The gravity data sets confirm the dyke model inasmuch as there are no obvious large dense bodies in the area covered by the gravity survey.

A number of linear magnetic ridges and non-coincident gravity ridges are evident and are shown on the attached plans and labelled MR-1 to MR-5 and GR-1 to GR-5 respectively. The arcuate magnetic ridge MR-5 is especially interesting and may represent the edge of a volcanic crater with the magnetic anomaly M-1 being a manifestation of the volcano's core. The gravity anomalies, labelled G-1 to G-8 along with the gravity ridges are manifestations of deep seated crustal features and are too deep to be reached with the drill. The magnetic anomalies labelled M-1 to M-14 however represent much more shallow targets

RECOMMENDATIONS

The symmetric pipe like body represented by the magnetic anomaly M-1 and the thin high intensity body producing the M-2 anomaly are ready to be drilled. Models of these targets are appended. Further modelling of all the labelled anomalies is recommended in order to provide follow up targets in the event of success at M-1 or M-2.

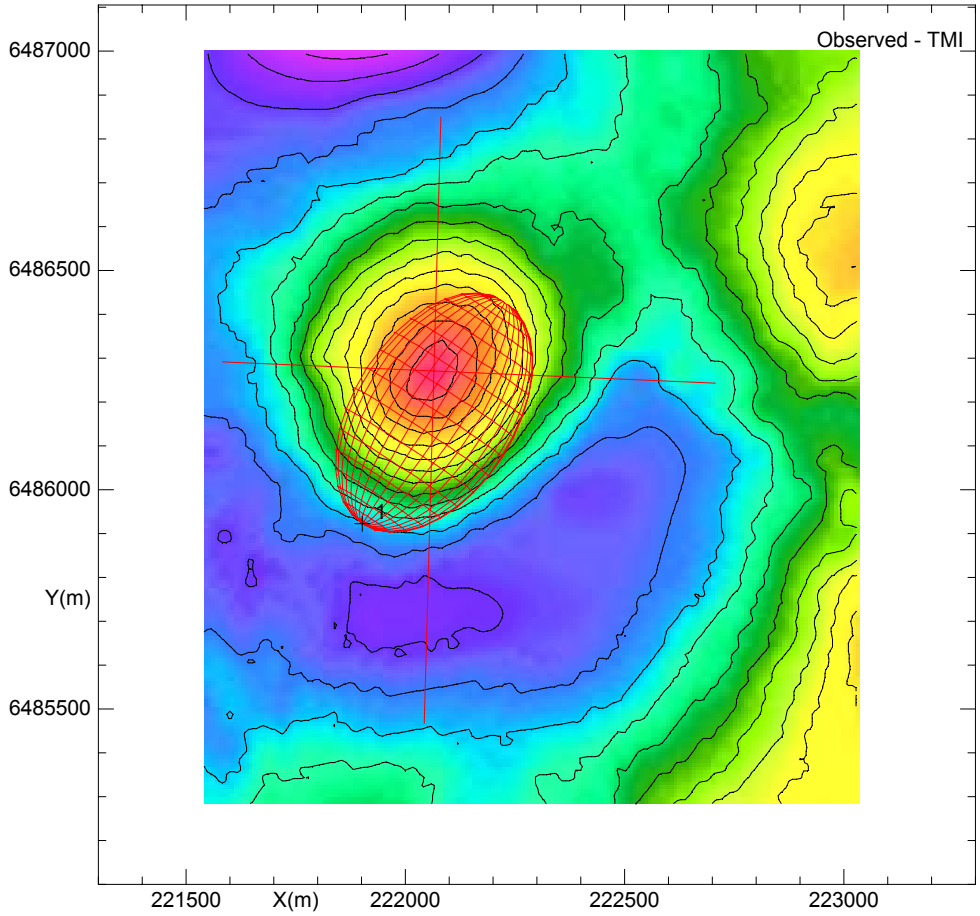
REFERENCES

Drexel, J.F., Preiss, W.V. and Parker, A.J. 1993. The Geology of South Australia. Vol 1, The Precambrian. South Australia

Preiss, W.V. (Compiler), 1987. The Adelaide Geosyncline—Late Proterozoic stratigraphy, sedimentation, palaeontology and tectonics. Bull. Geol. Surv. S. Aust., 53.

Open File Reports - Envelope 0904 PIRSA. This folder contains reports from Desertstone NL. Exploration activities

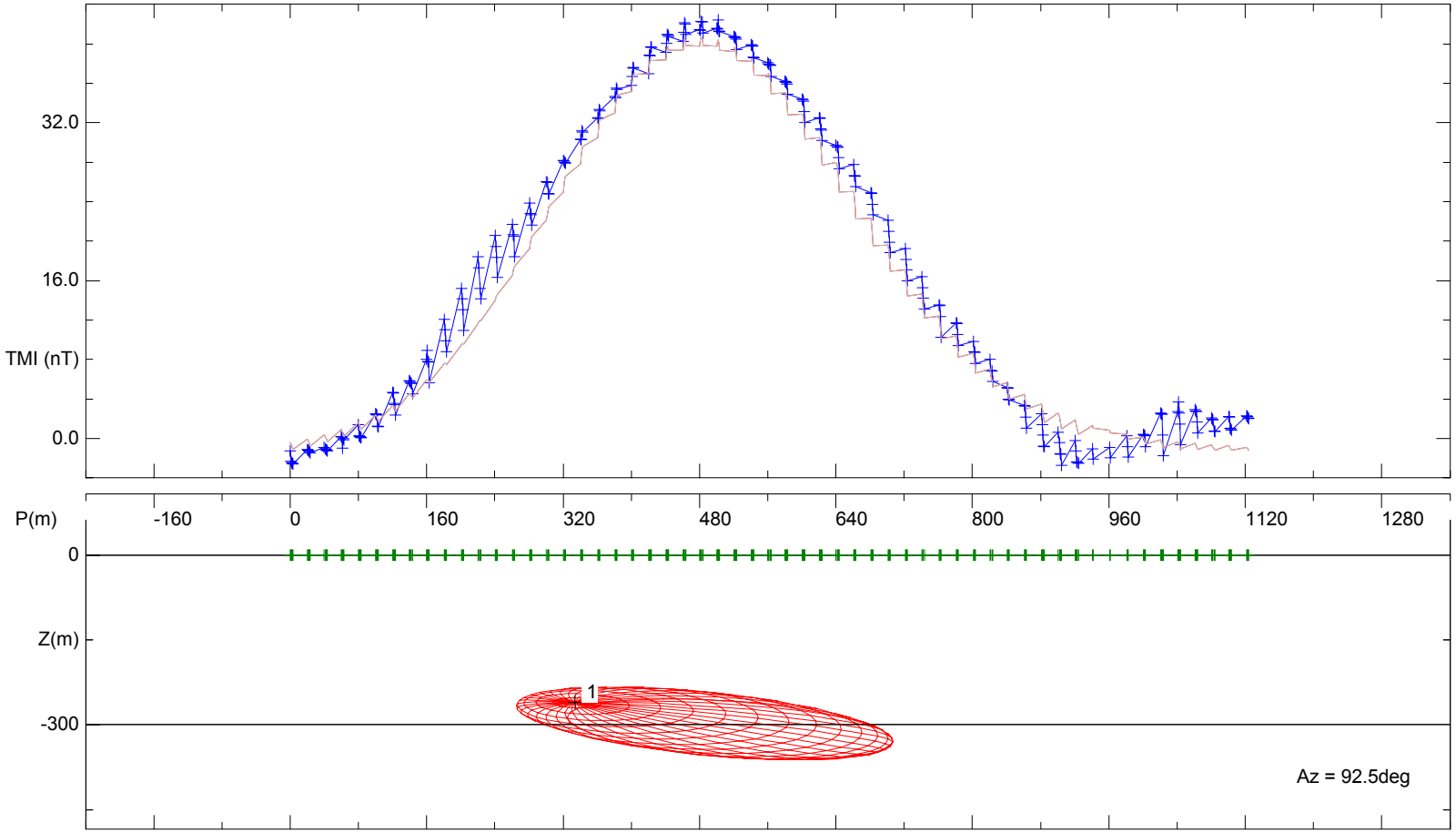
Mara Pty Ltd. Lake Torrens EL 2860. Operations report February 2002.



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221902.4	6485923.6	-261.0	-30.6	-82.3	-26.4	1.000	0.0202	104.718	374.113	606.867



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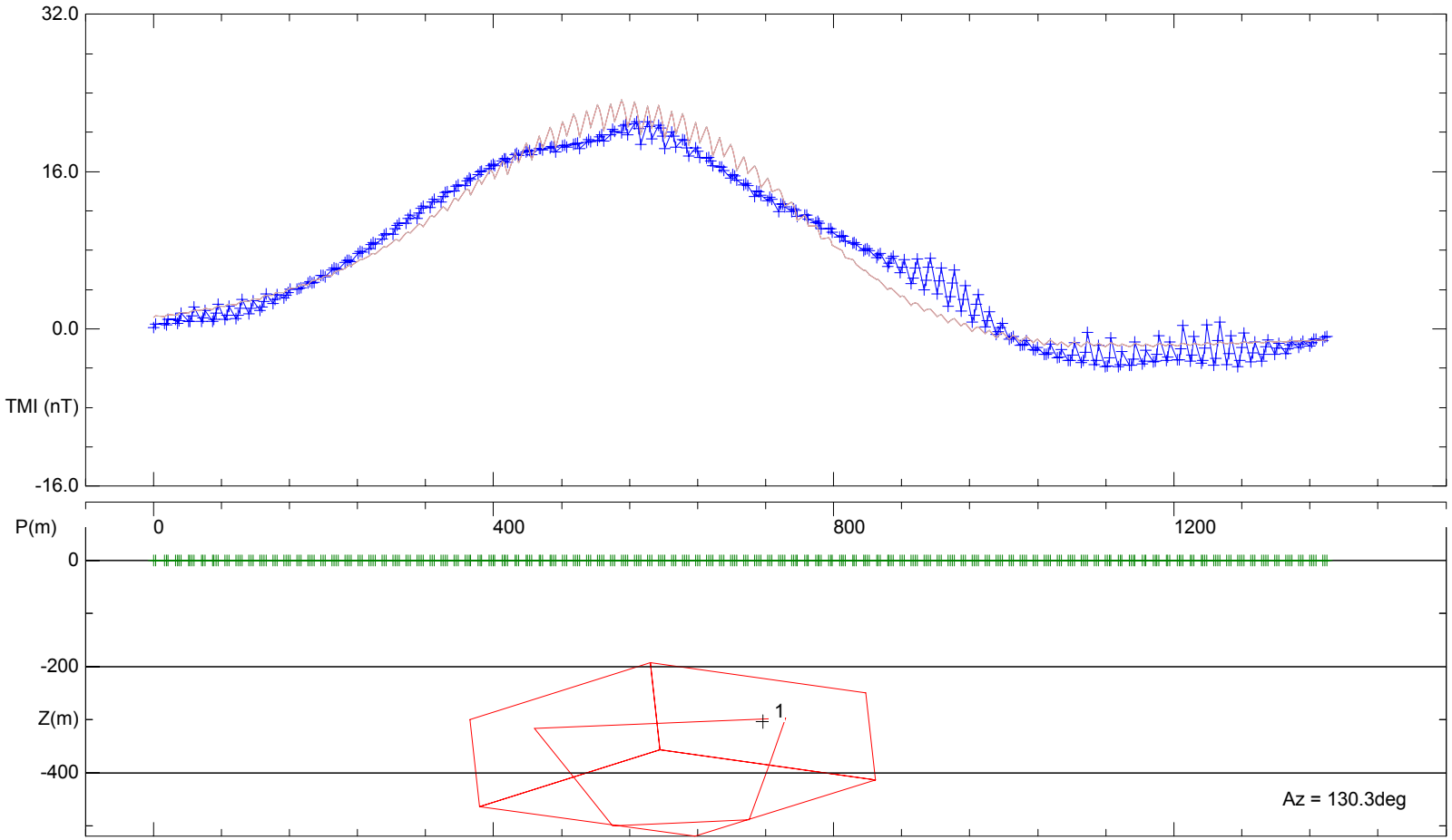

Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

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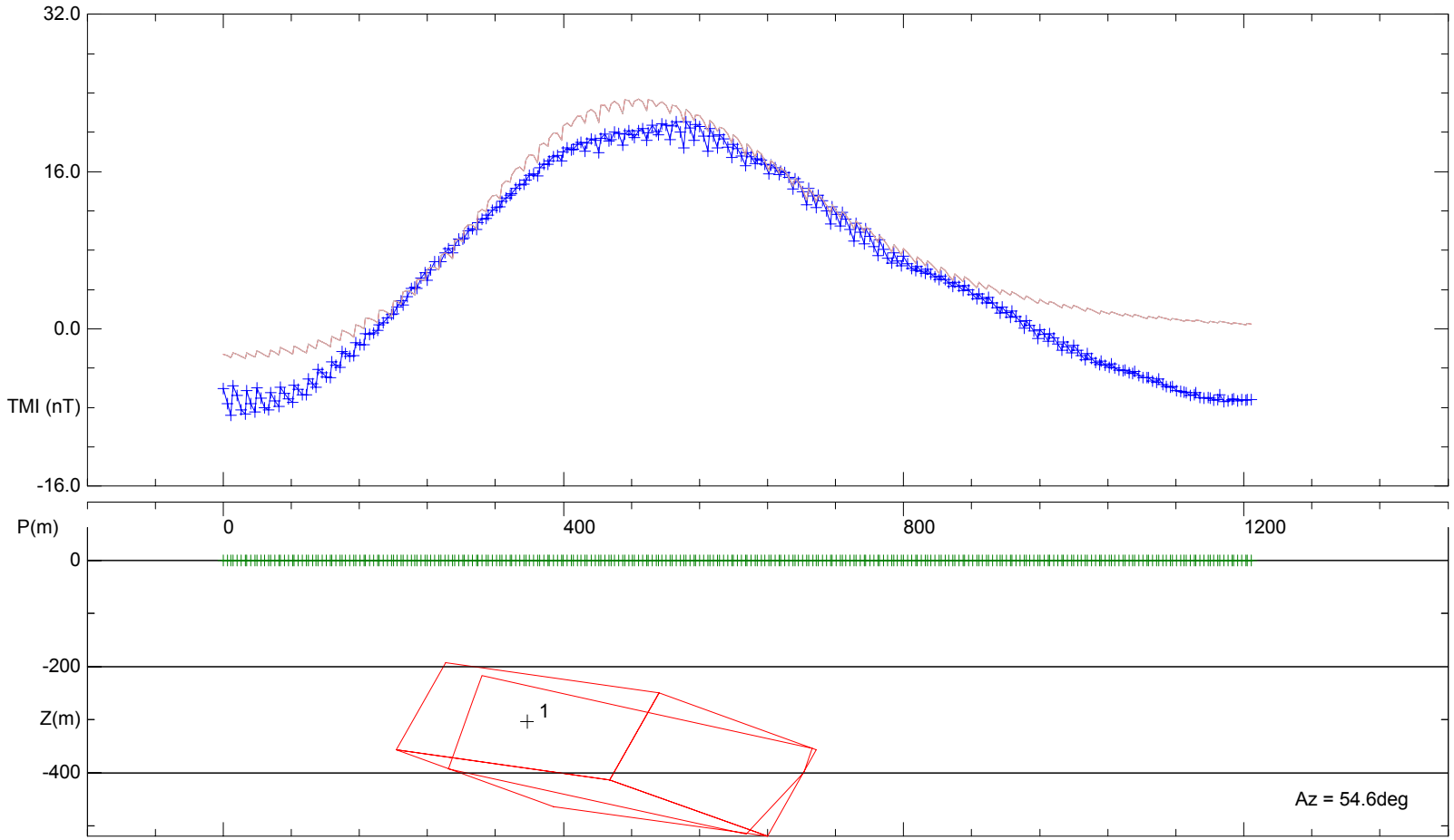
1	RectPrism		223044.2	6486303.5	-303.1	-59.7	-68.9	-29.2	1.000	0.0090	176.457	324.450	341.502



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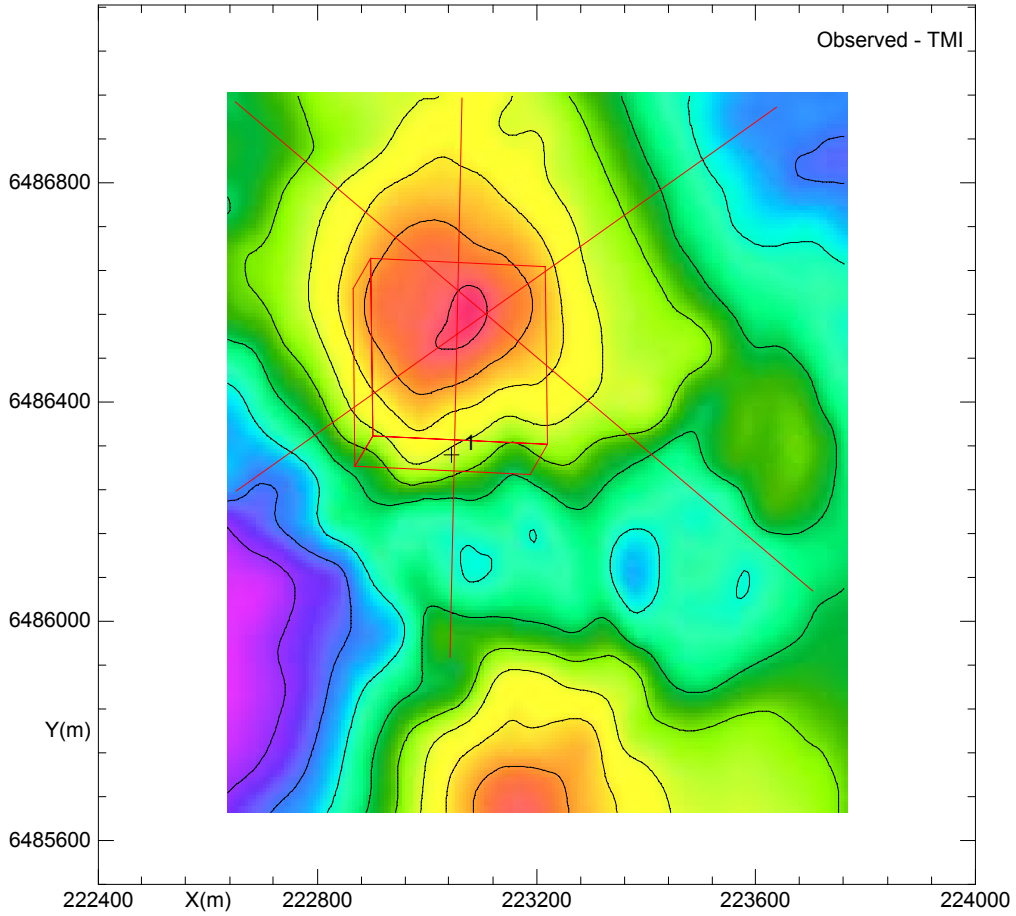

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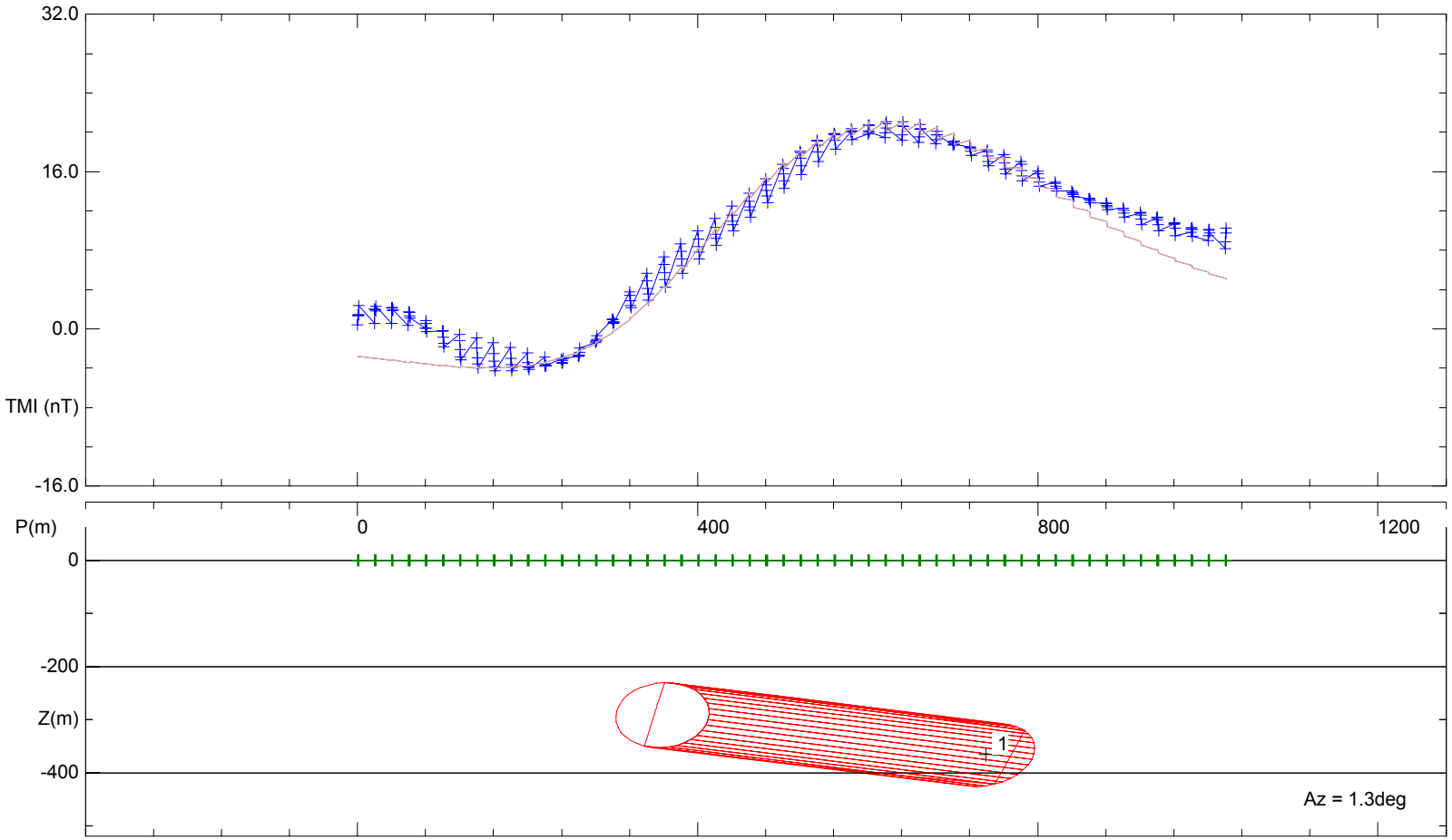

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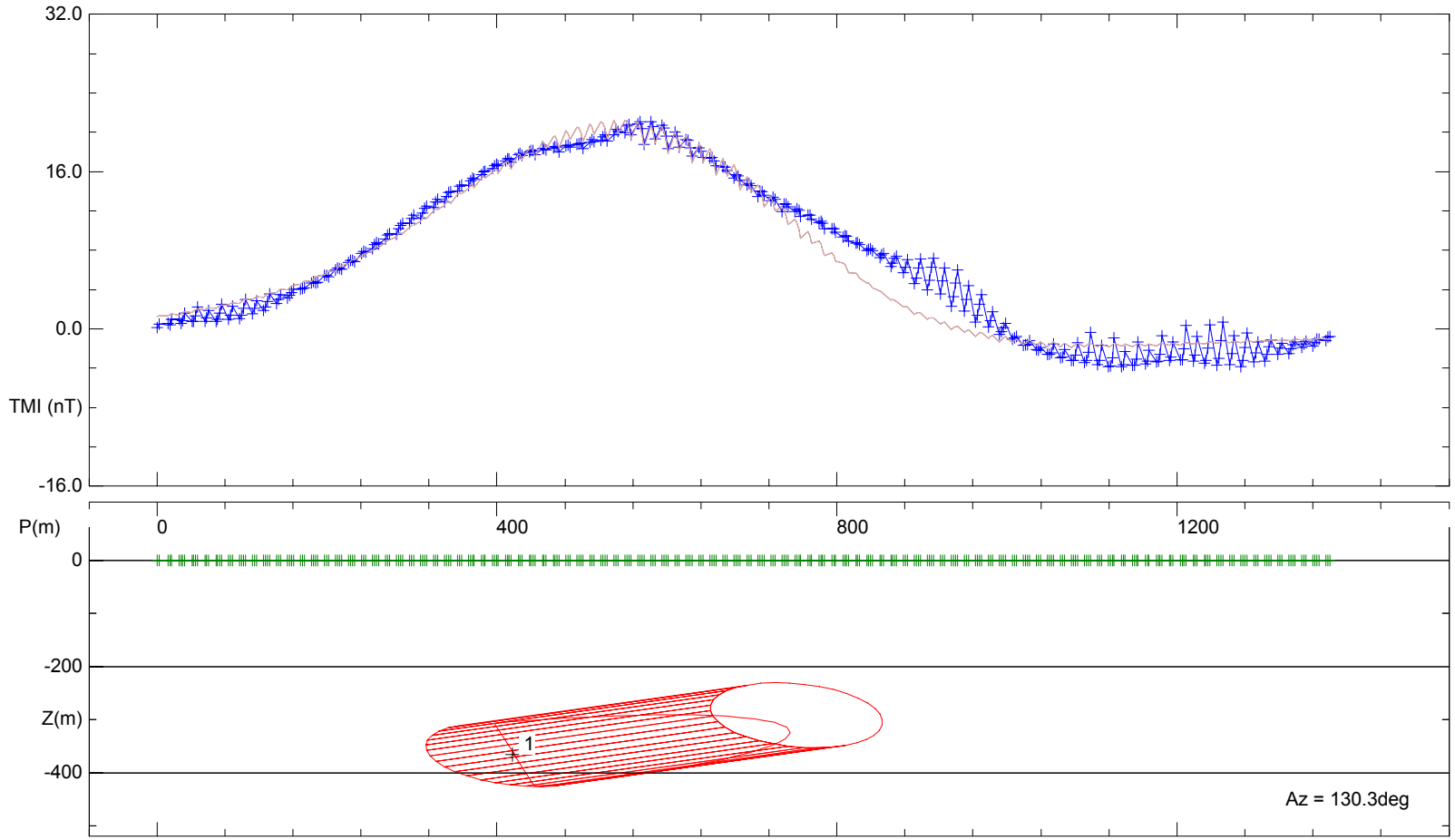

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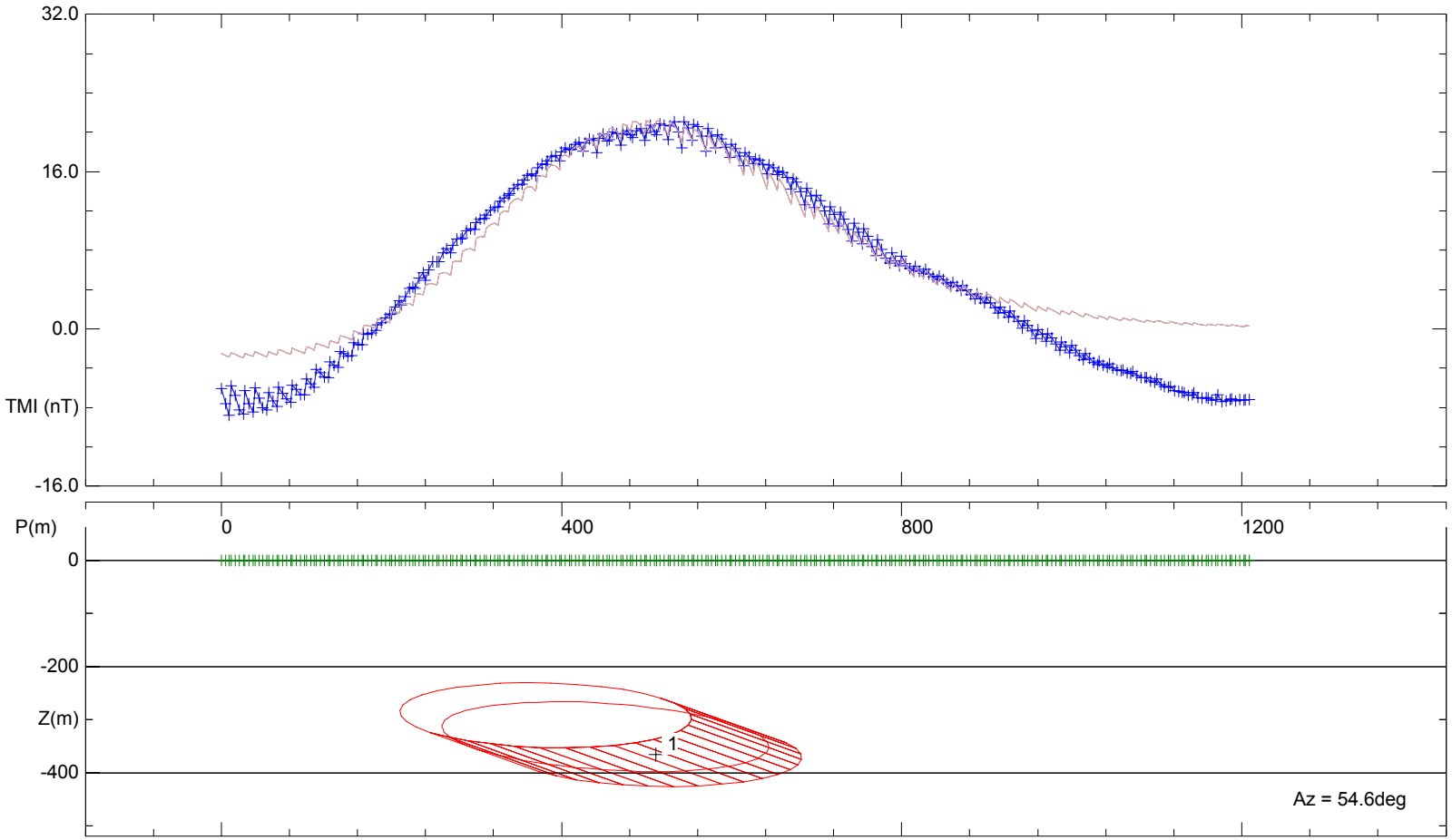

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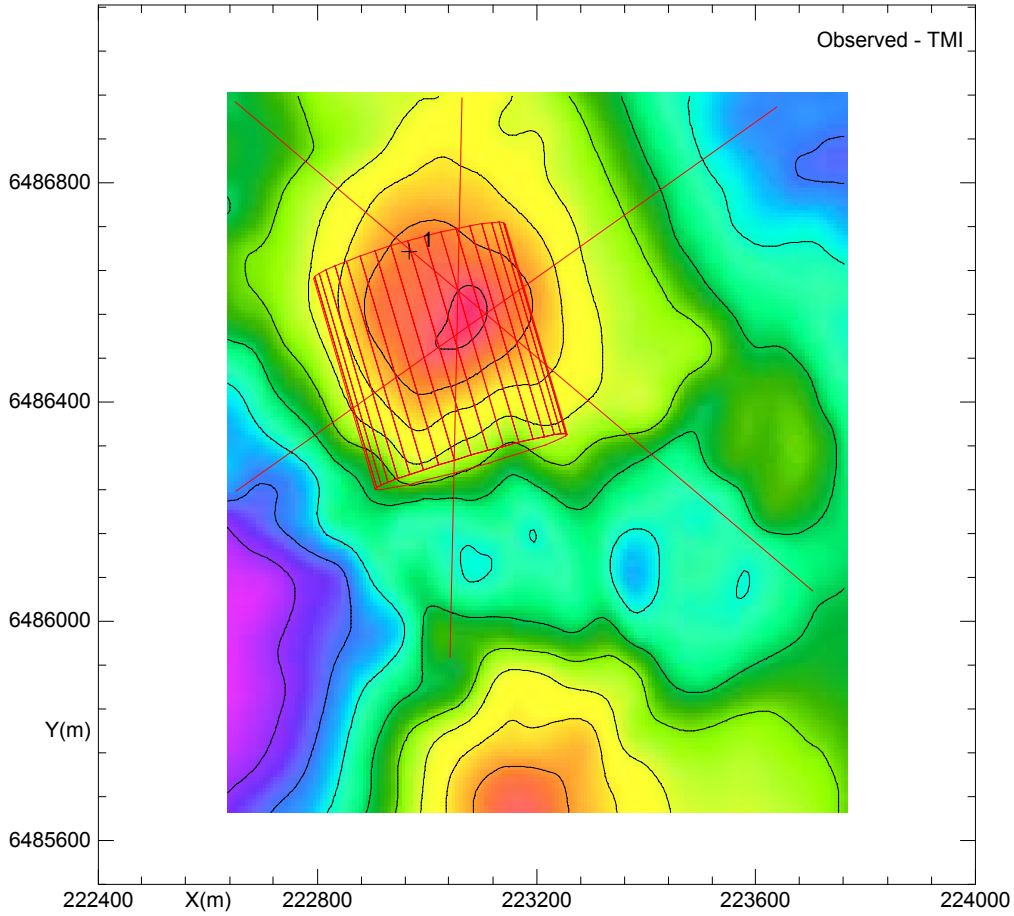

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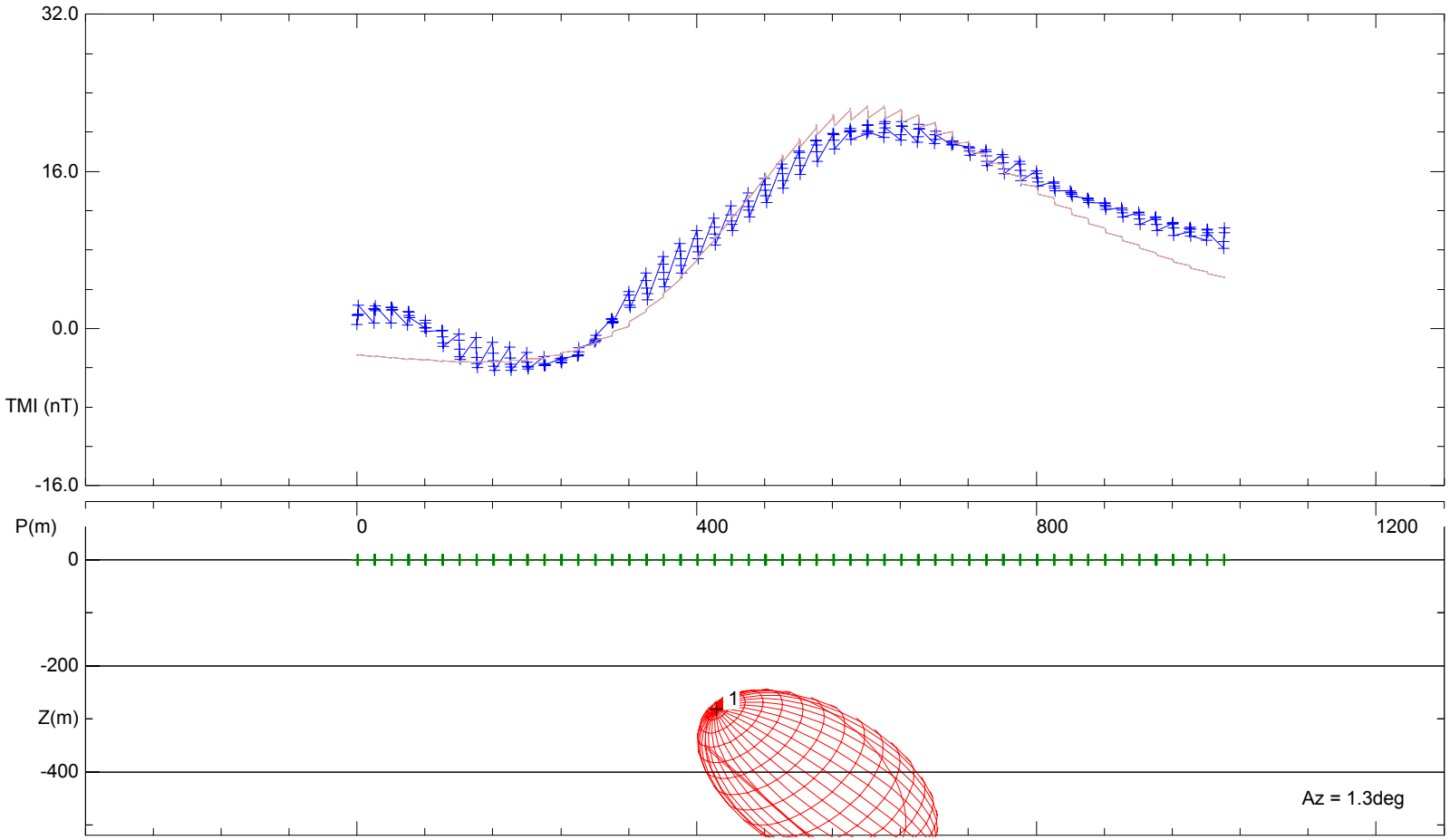

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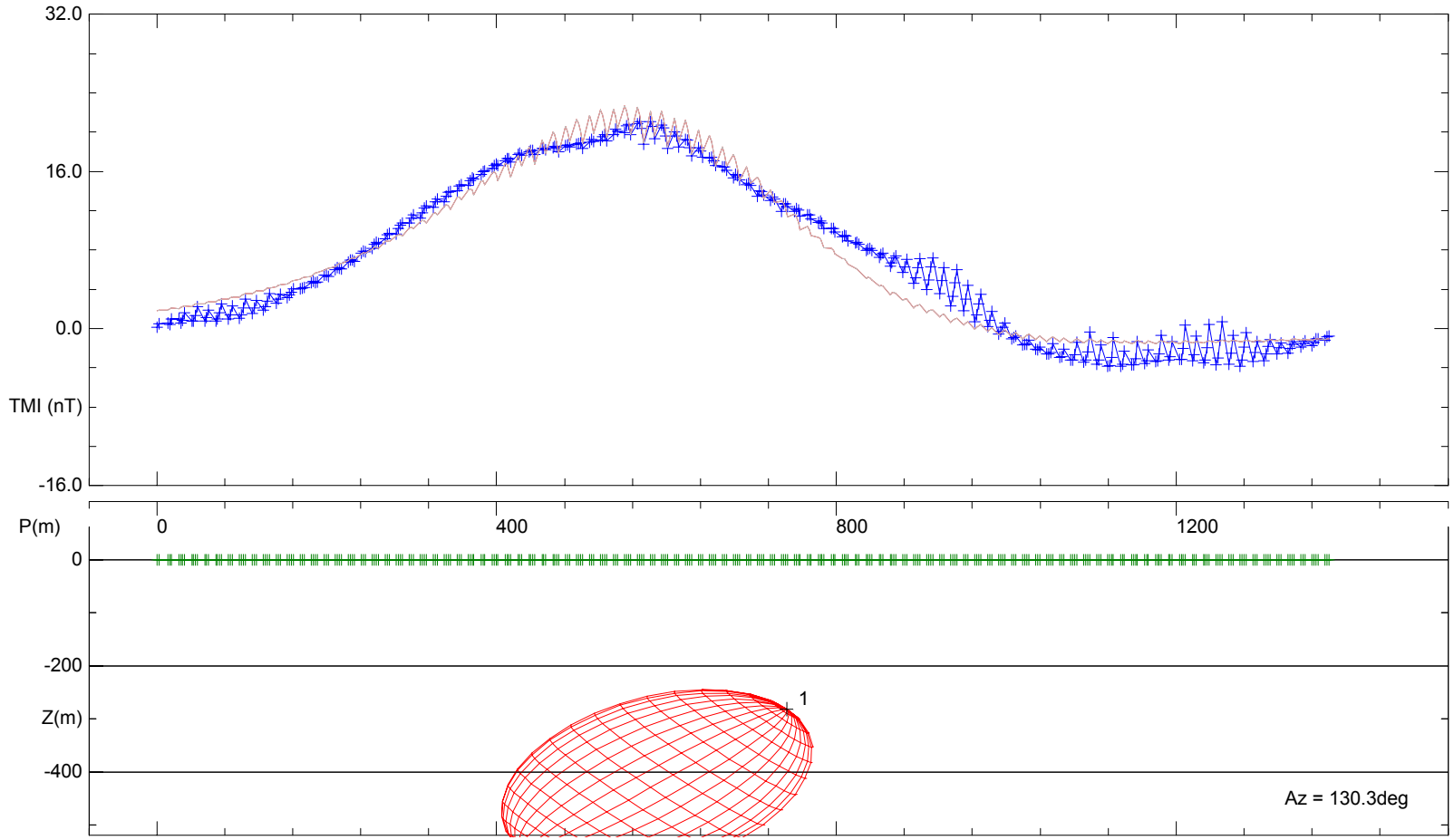

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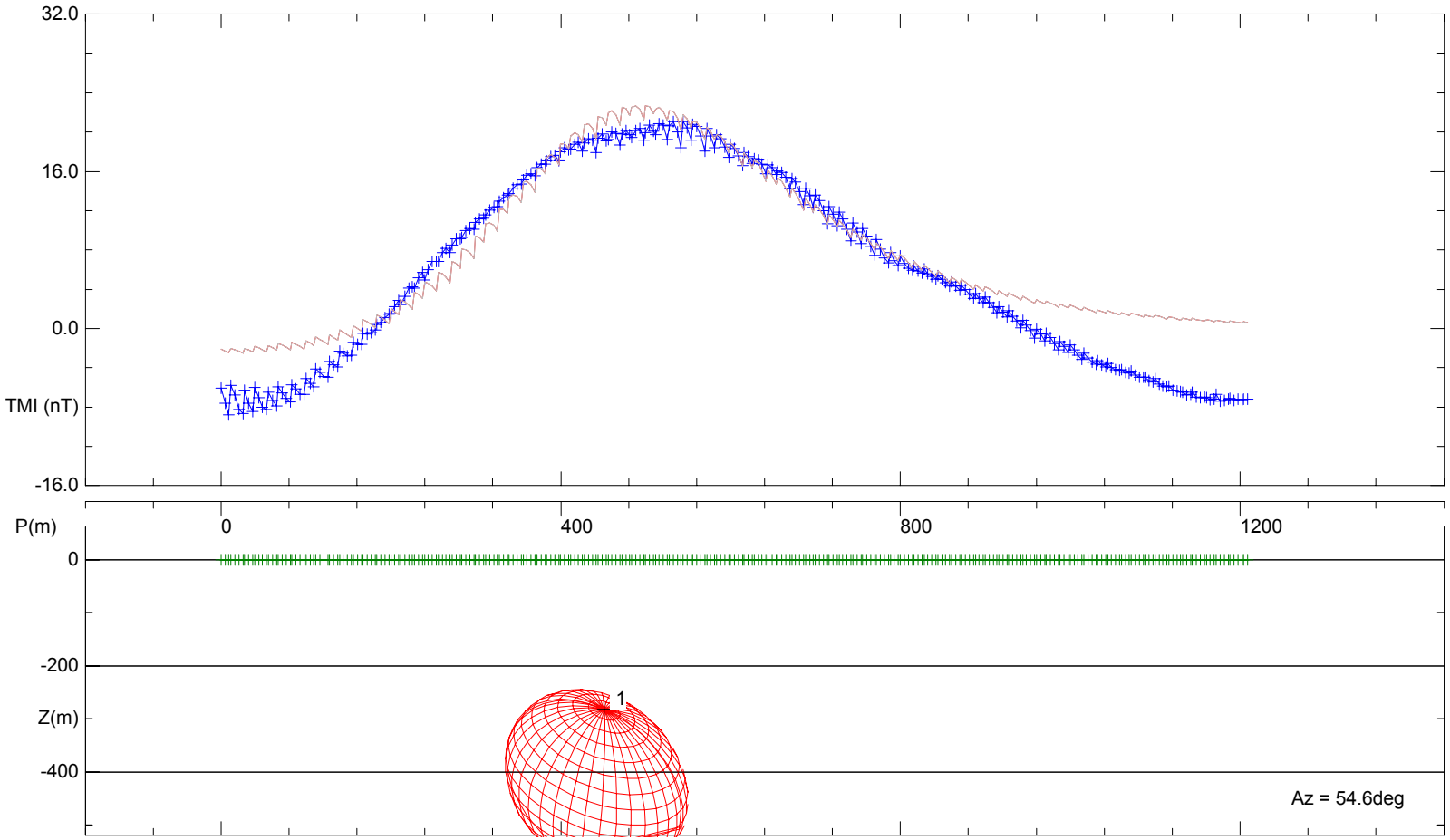

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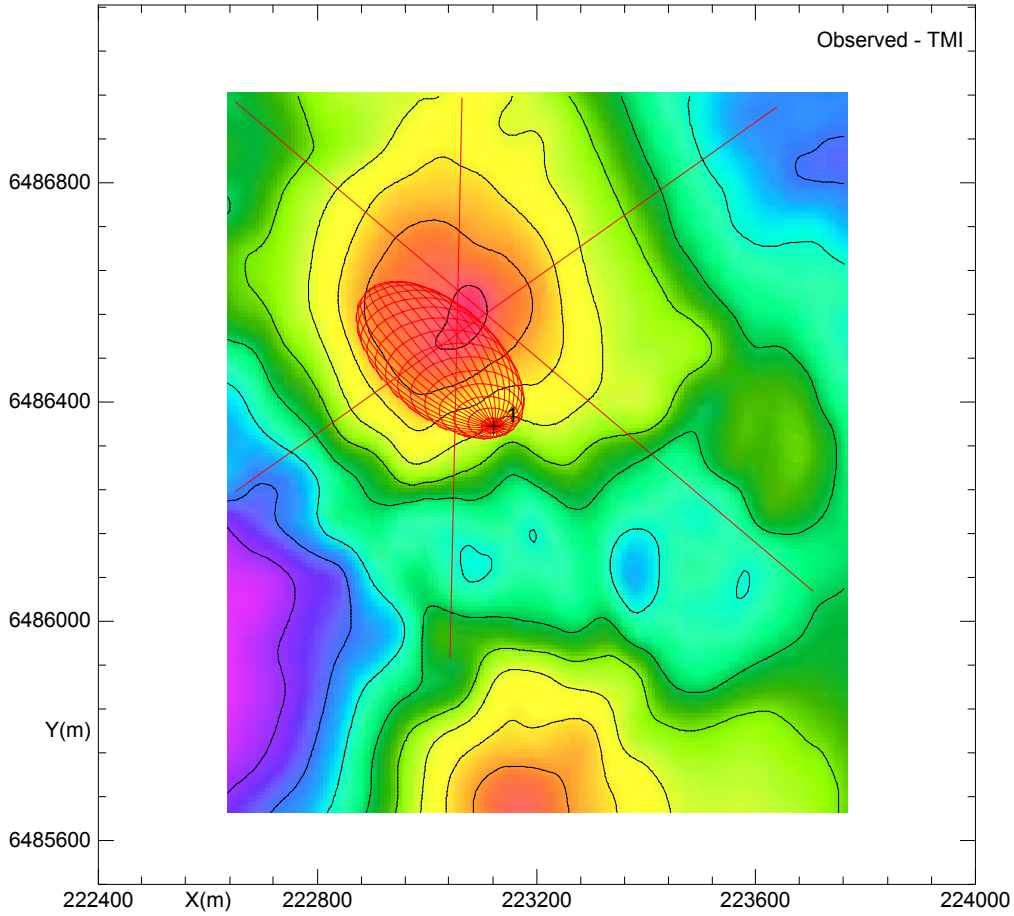
1	Ellipsoid		223121.4	6486355.9	-281.6	-56.4	-19.1	-45.7	1.000	0.0170	181.284	305.146	413.587



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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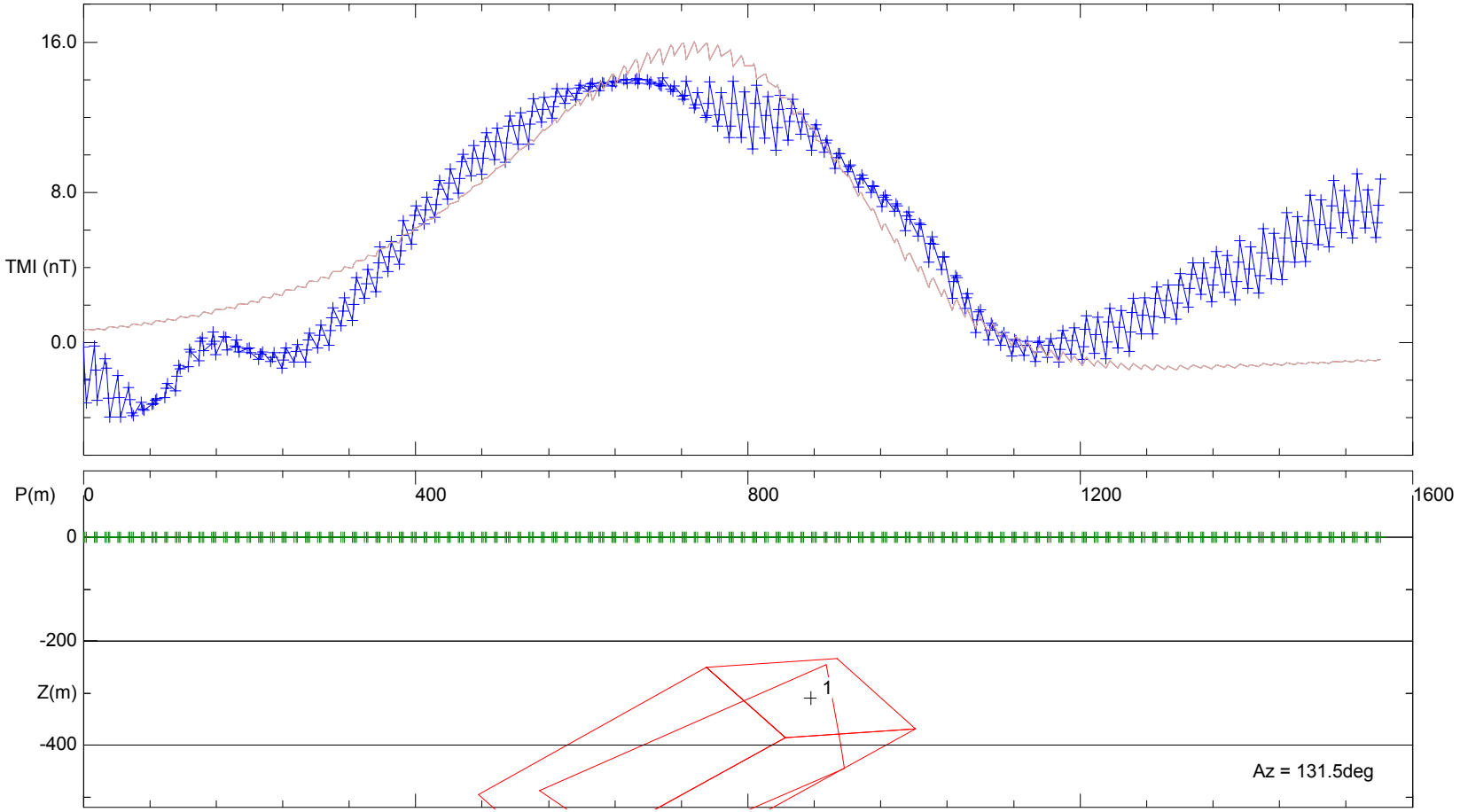
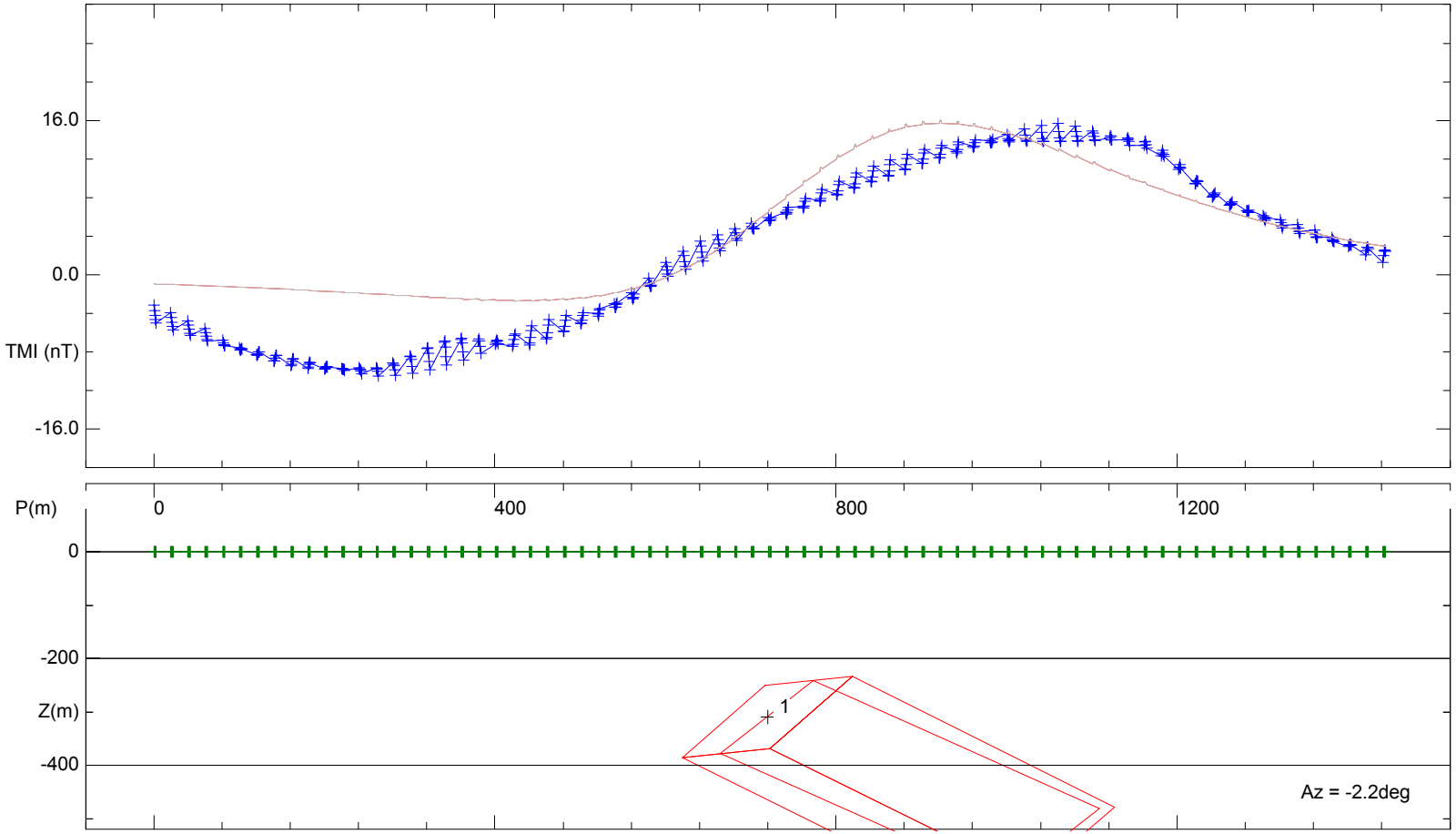


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		222093.8	6487508.3	-309.0	-114.0	-52.4	4.8	1.000	0.0080	170.490	331.711	402.043



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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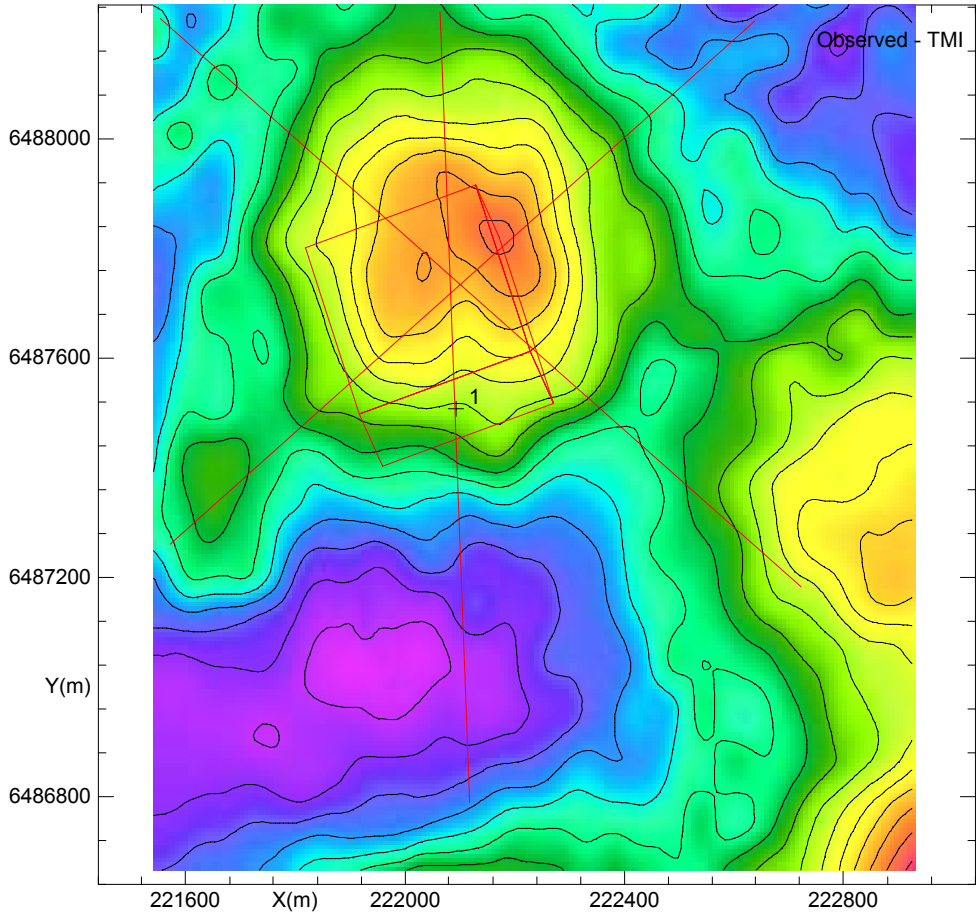

Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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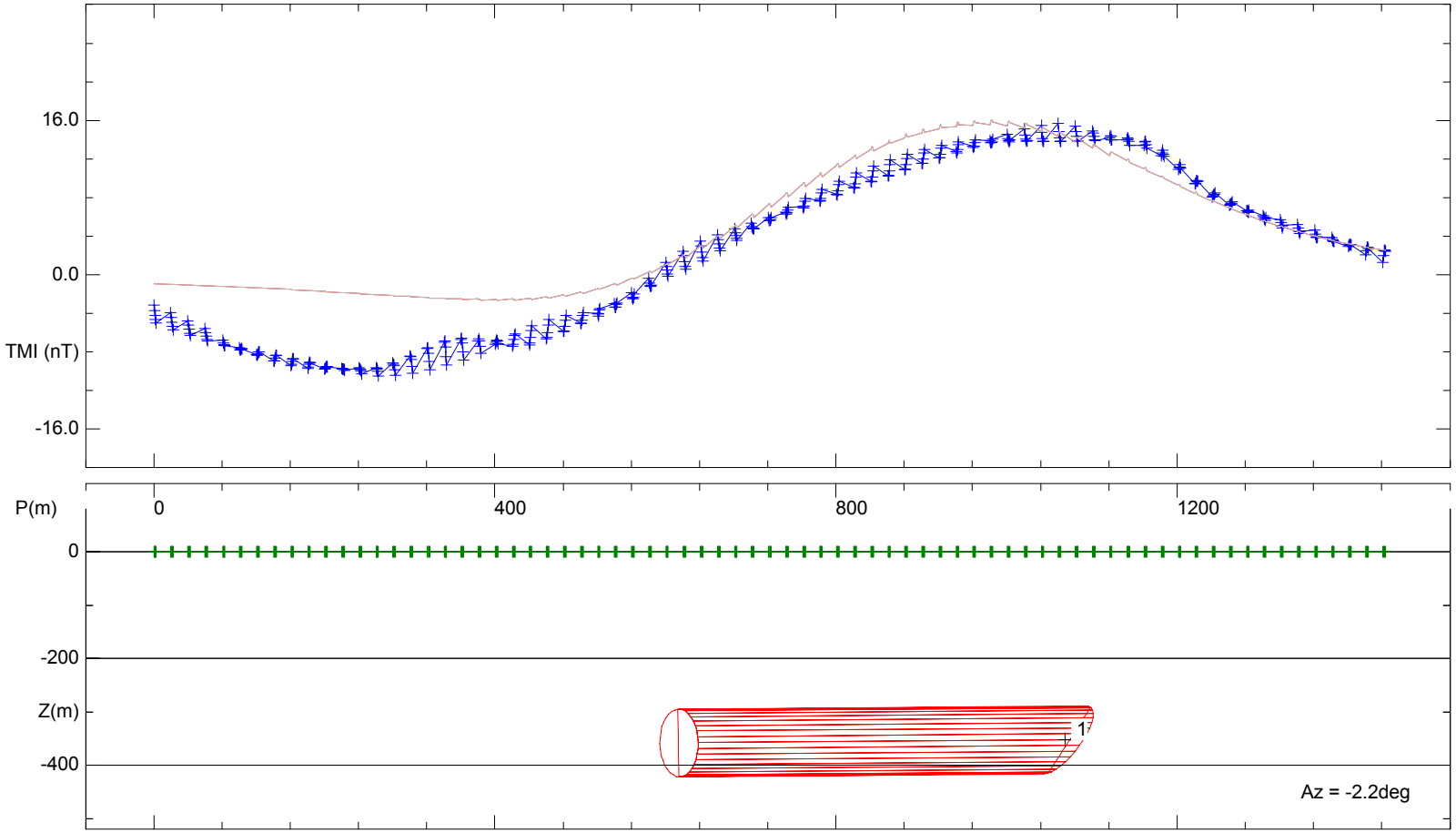
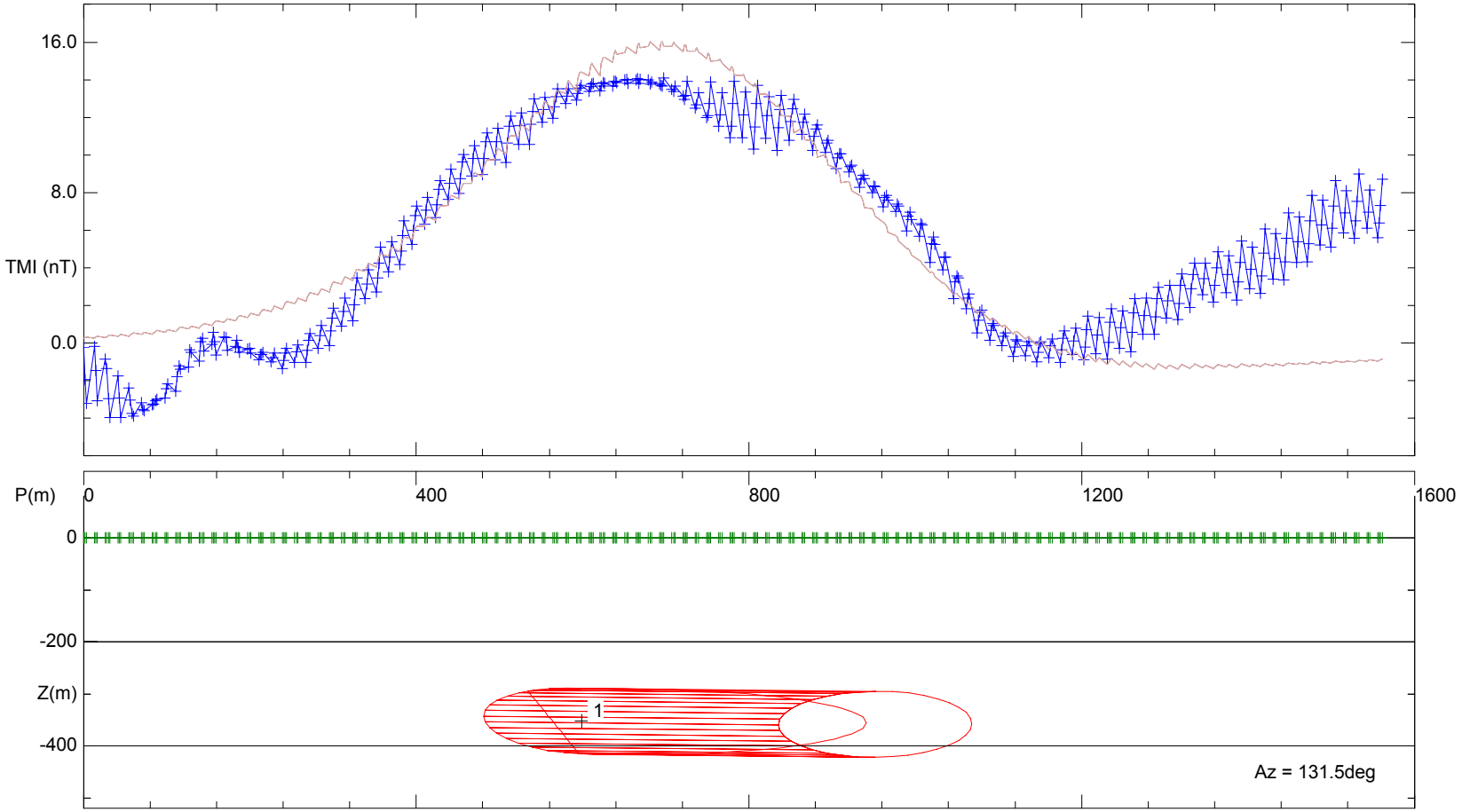


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

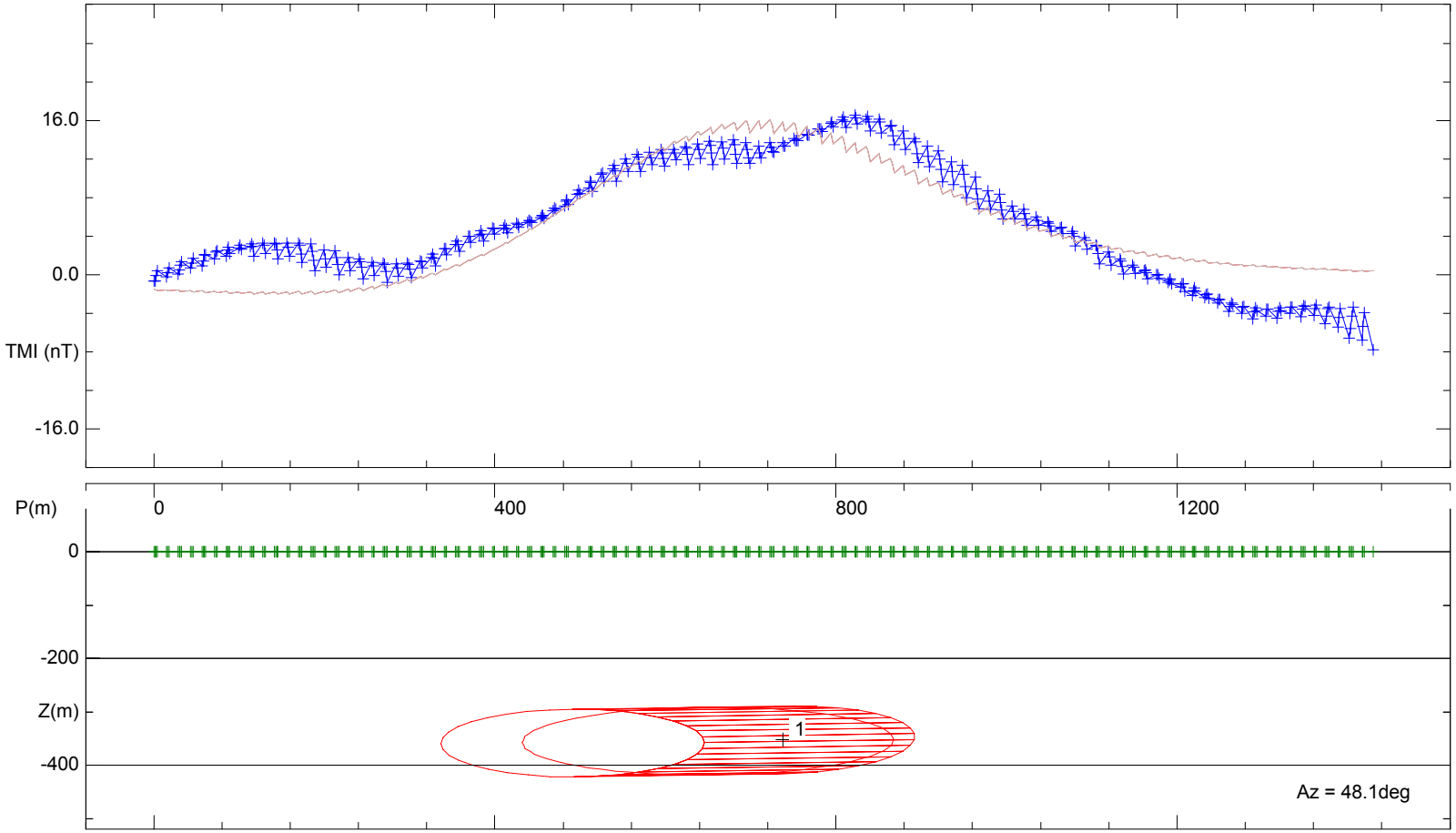
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222030.8	6487854.6	-352.2	-75.1	89.2	24.1	1.000	0.0084	126.917	367.176	455.696	112.293



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222030.8	6487854.6	-352.2	-75.1	89.2	24.1	1.000	0.0084	126.917	367.176	455.696	112.293



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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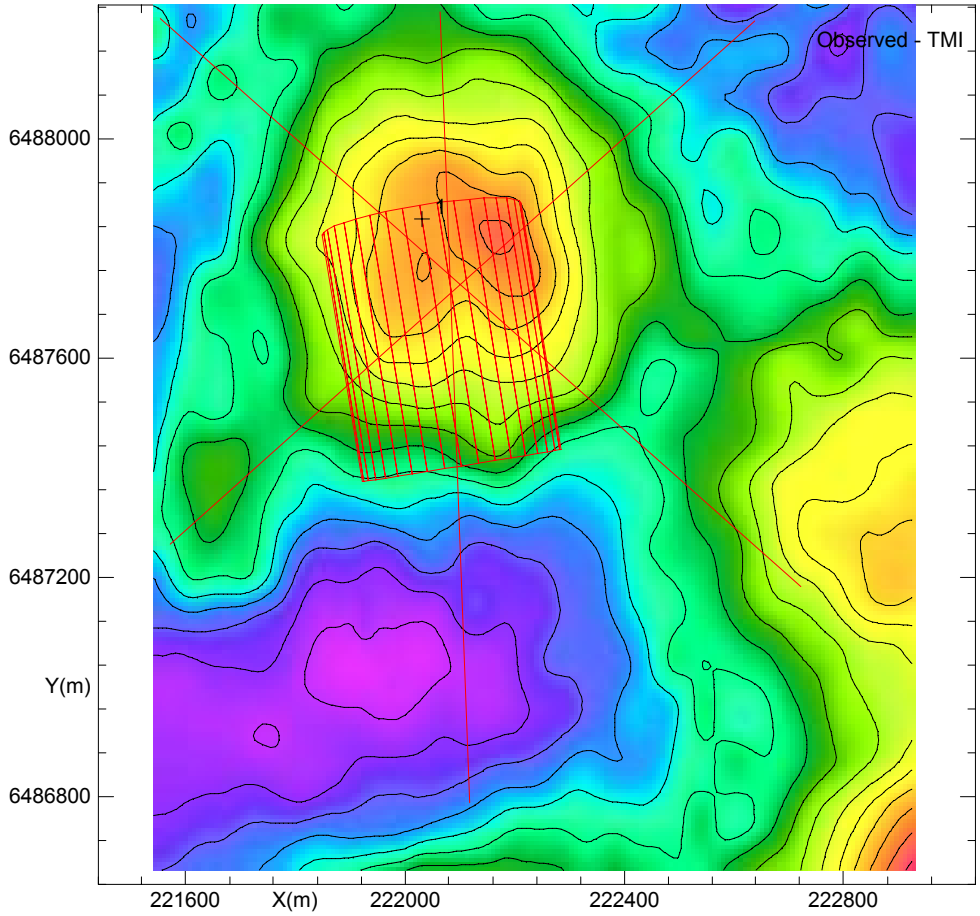

Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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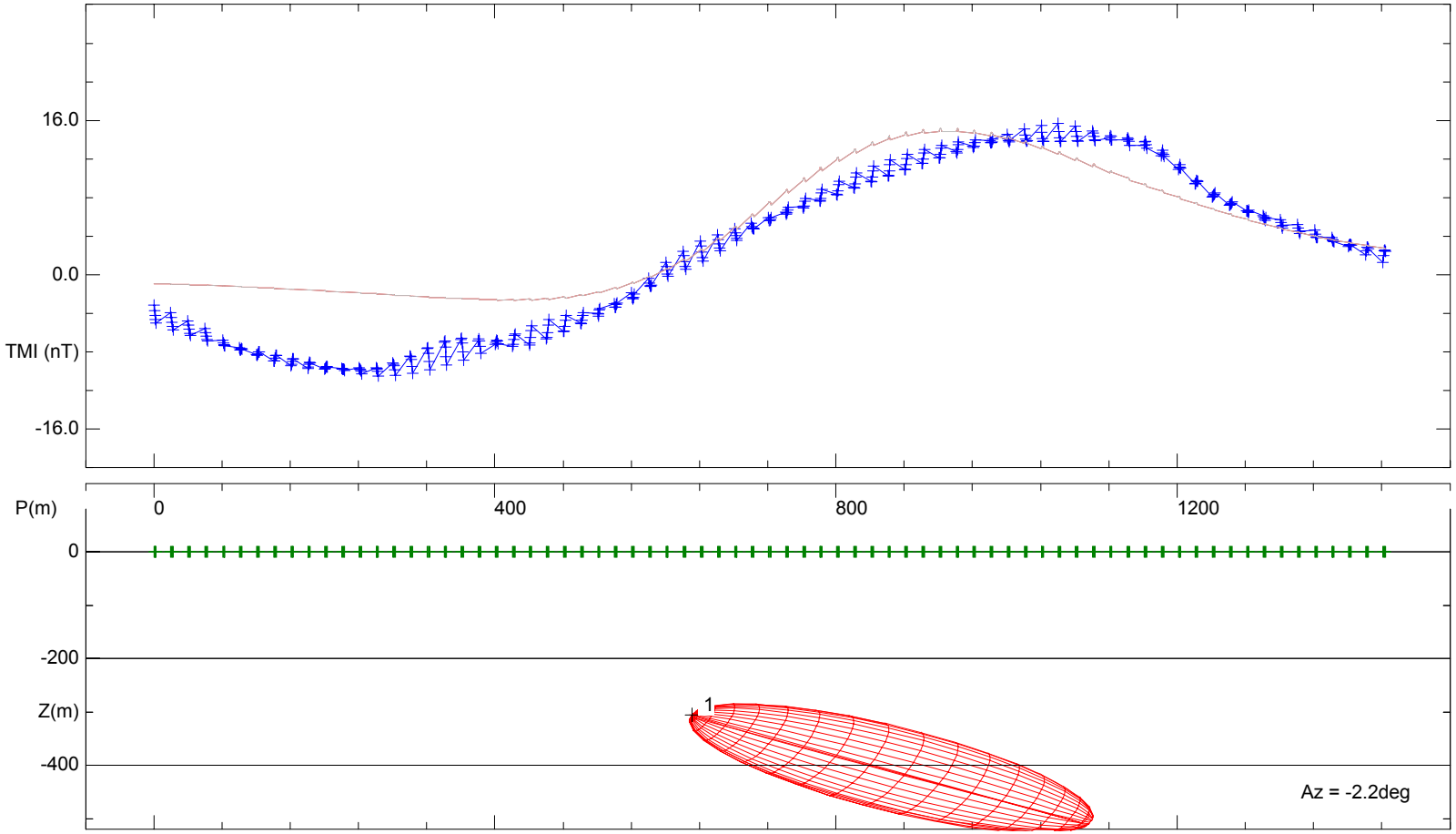
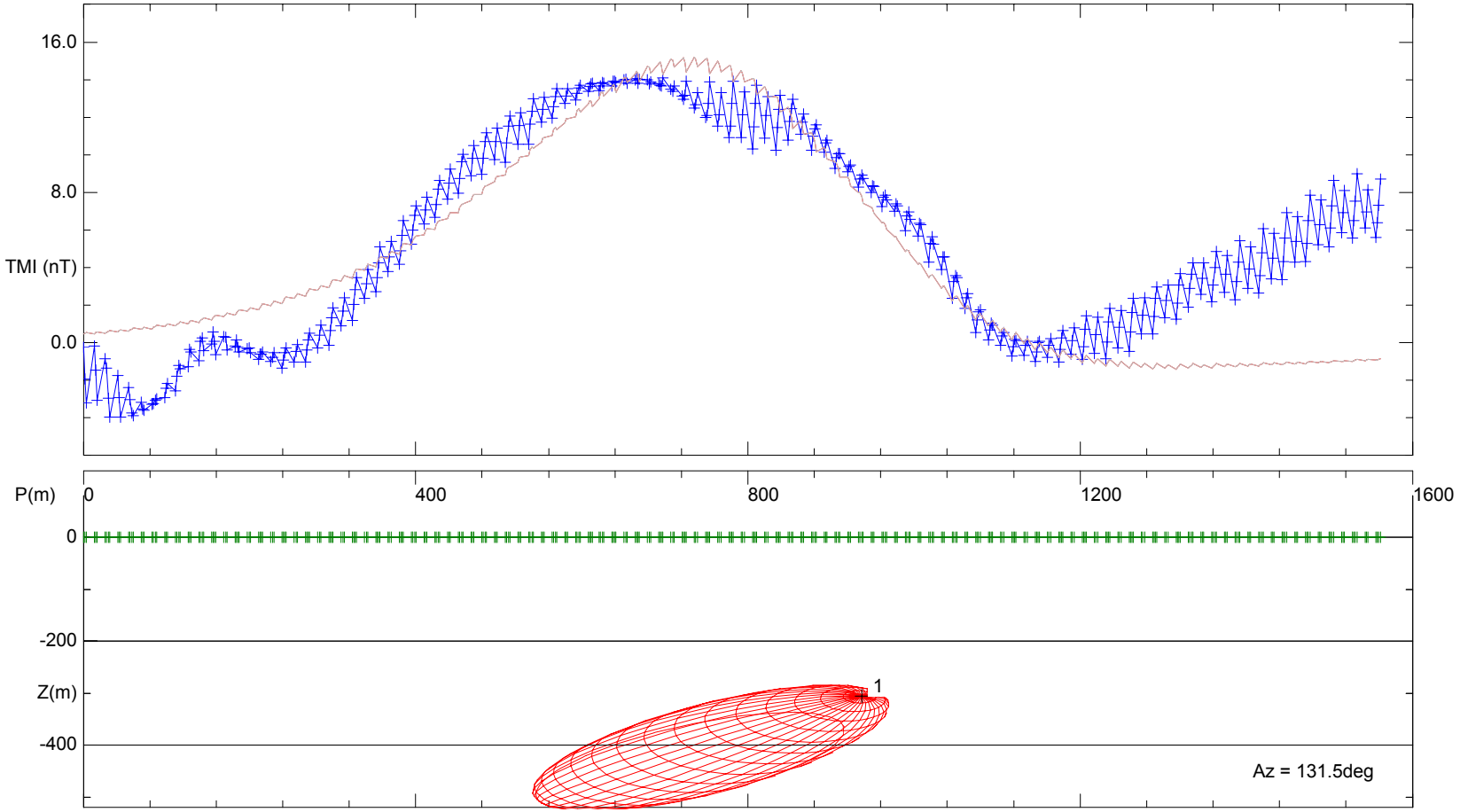


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222097.1	6487419.8	-305.3	-108.5	-66.7	8.8	1.000	0.0113	147.950	360.518	511.824



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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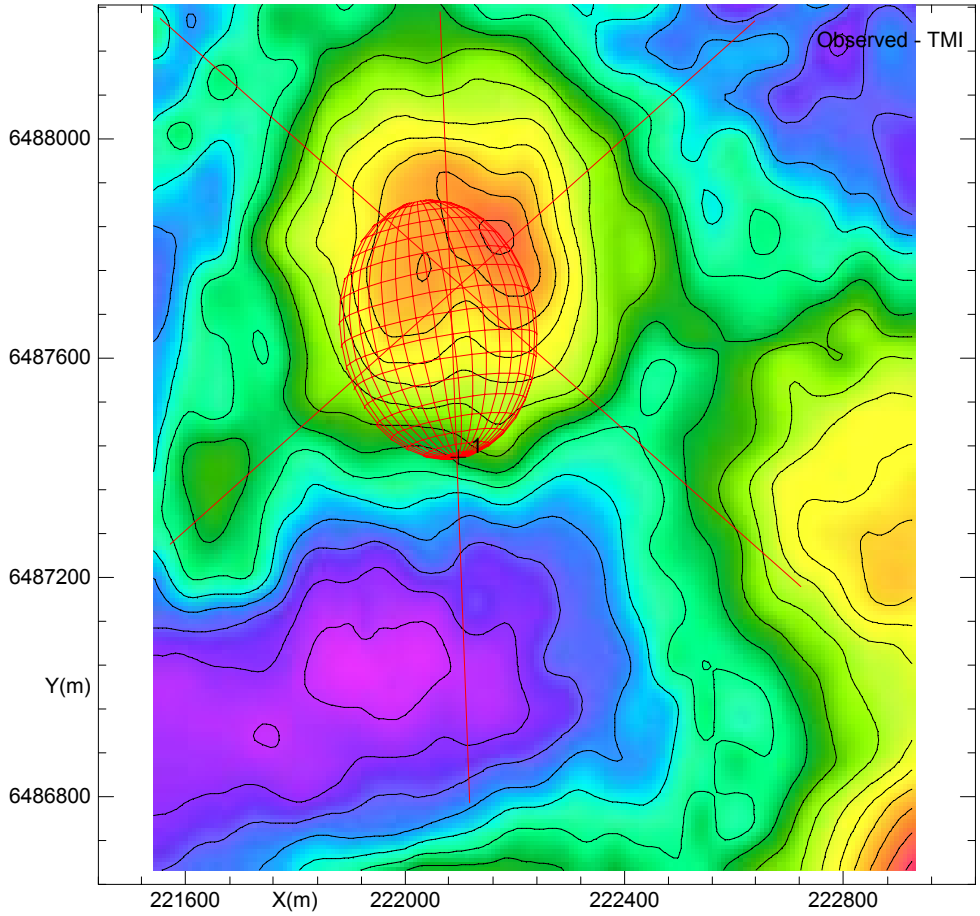

Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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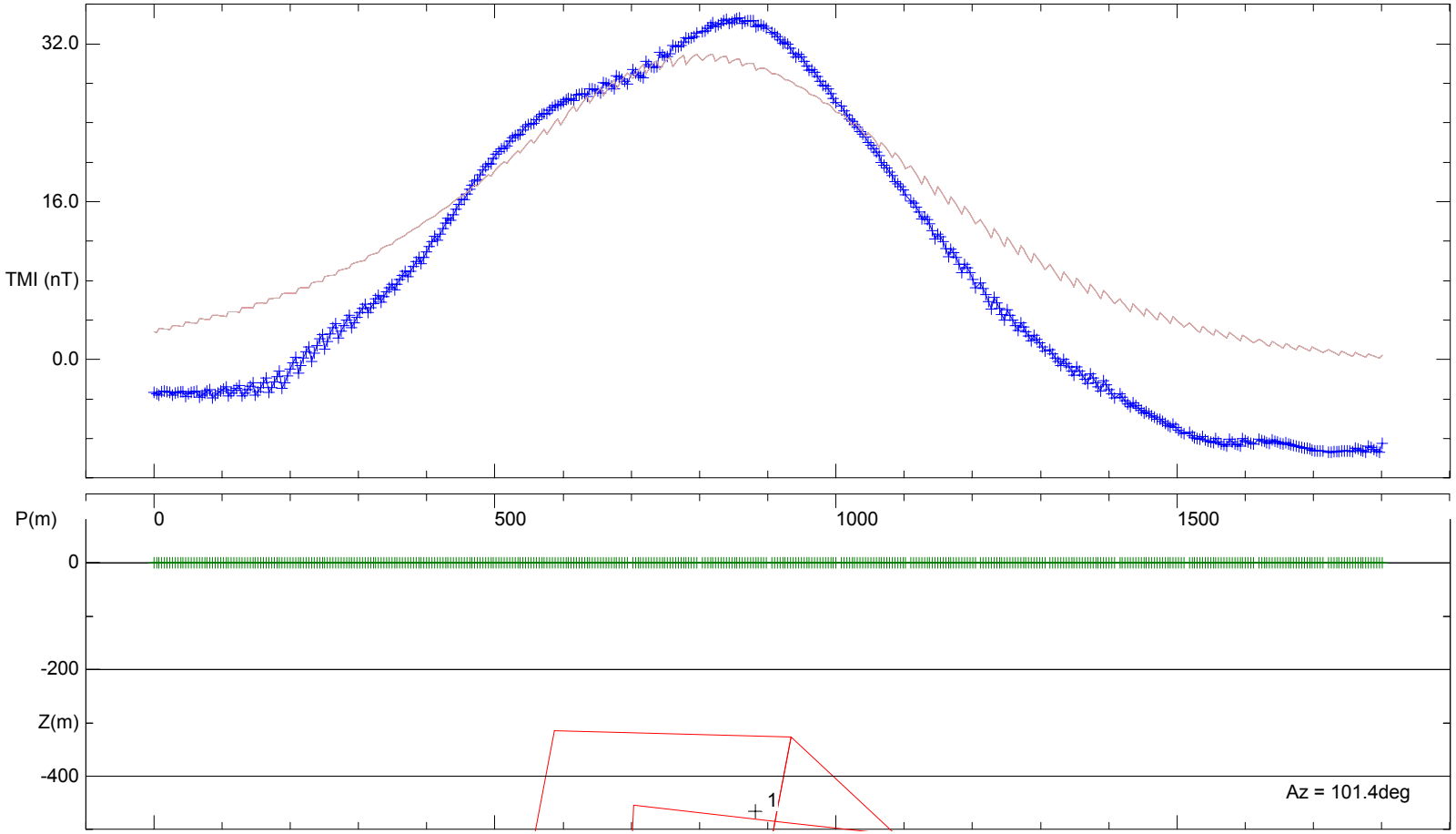
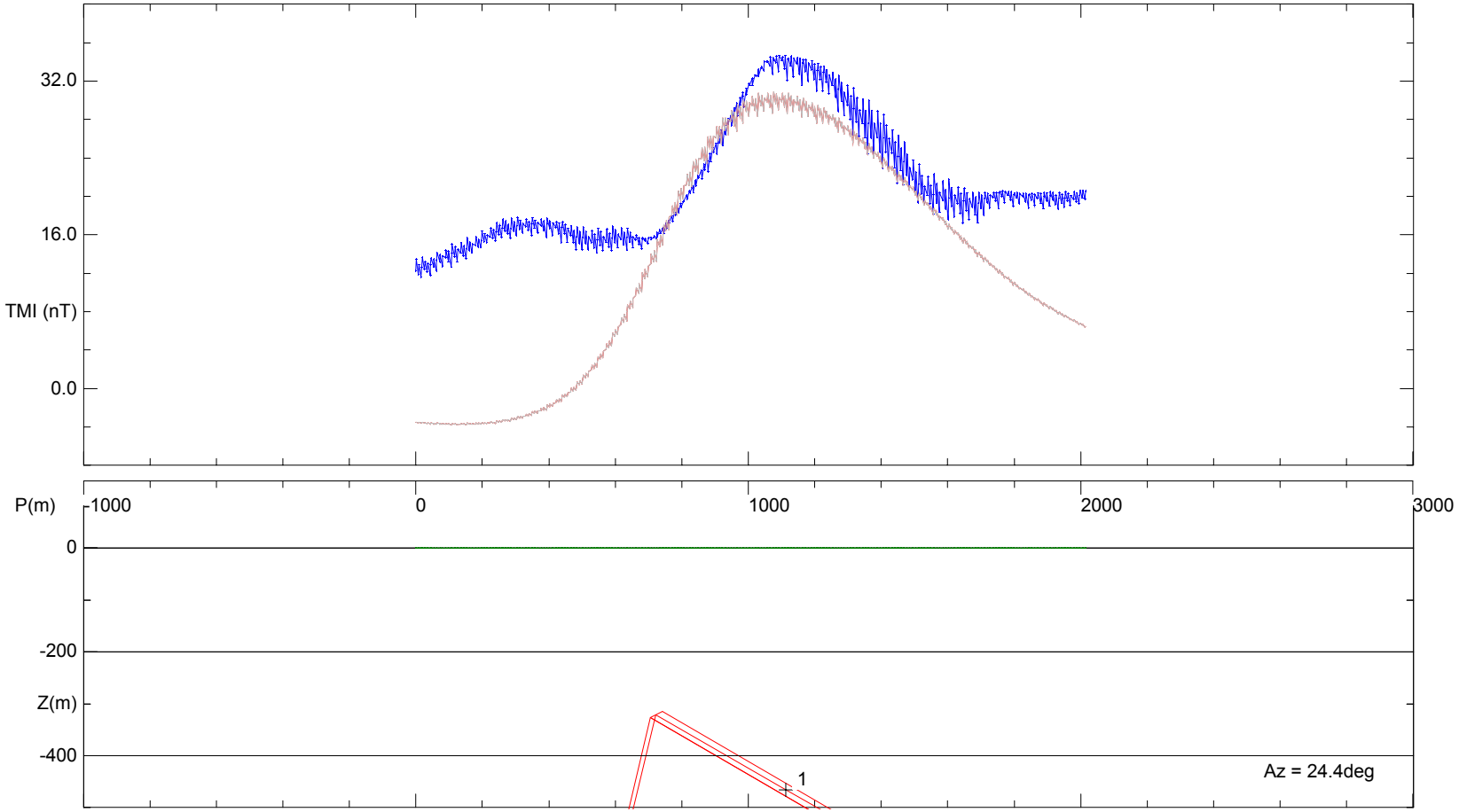


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221341.6	6479095.8	-465.8	-149.9	-1.8	-20.4	1.000	0.0081	366.582	832.489	1014.326



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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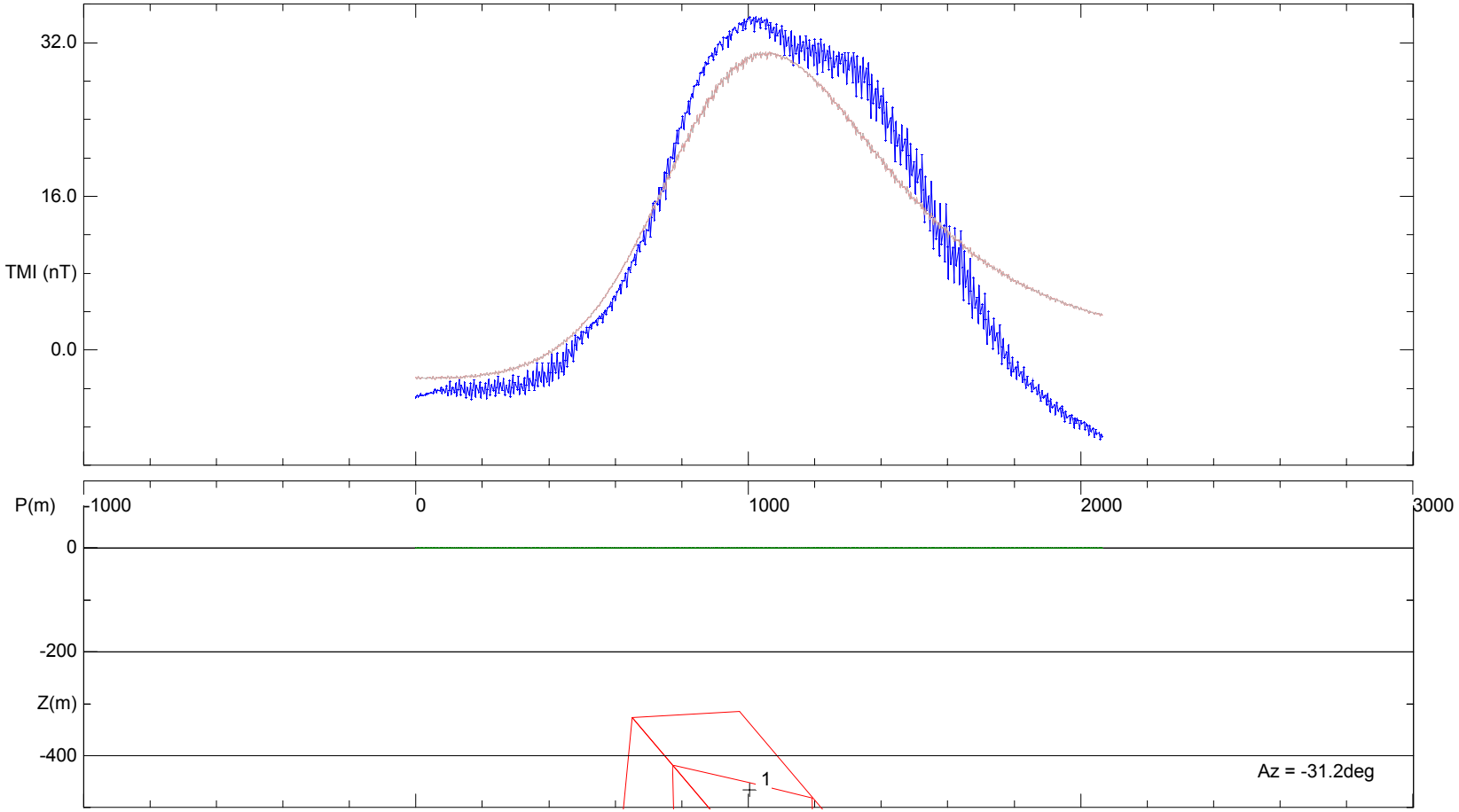

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IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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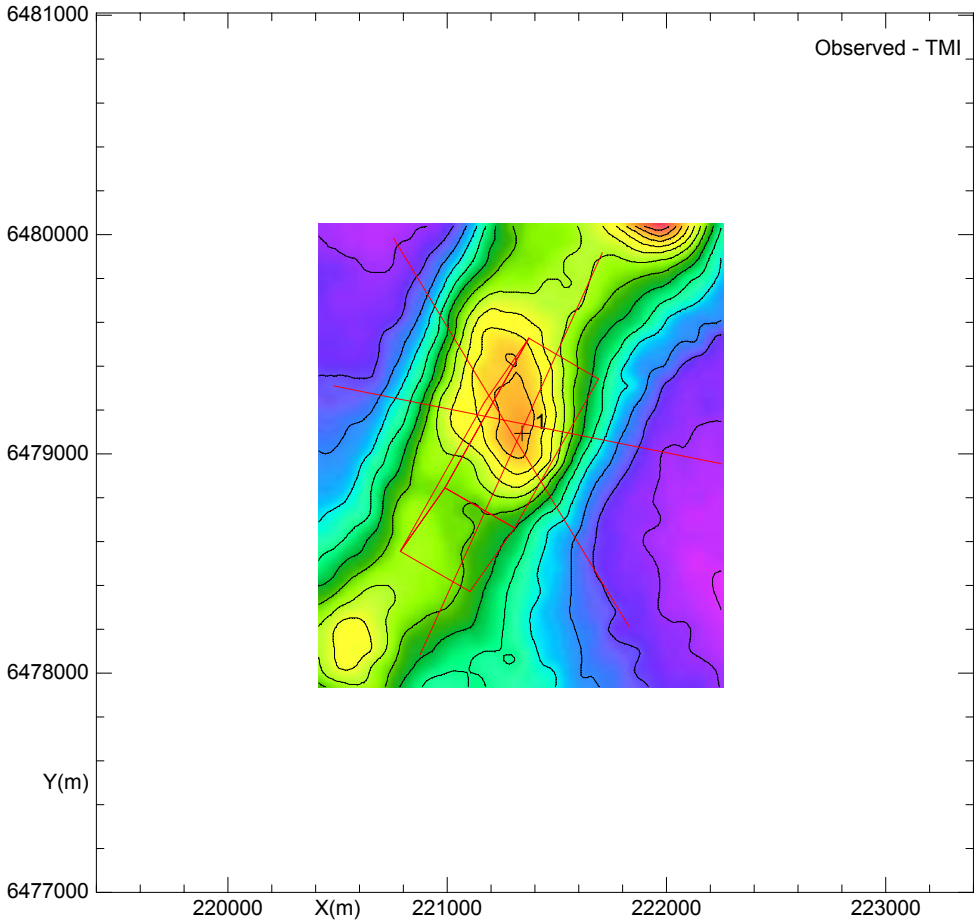

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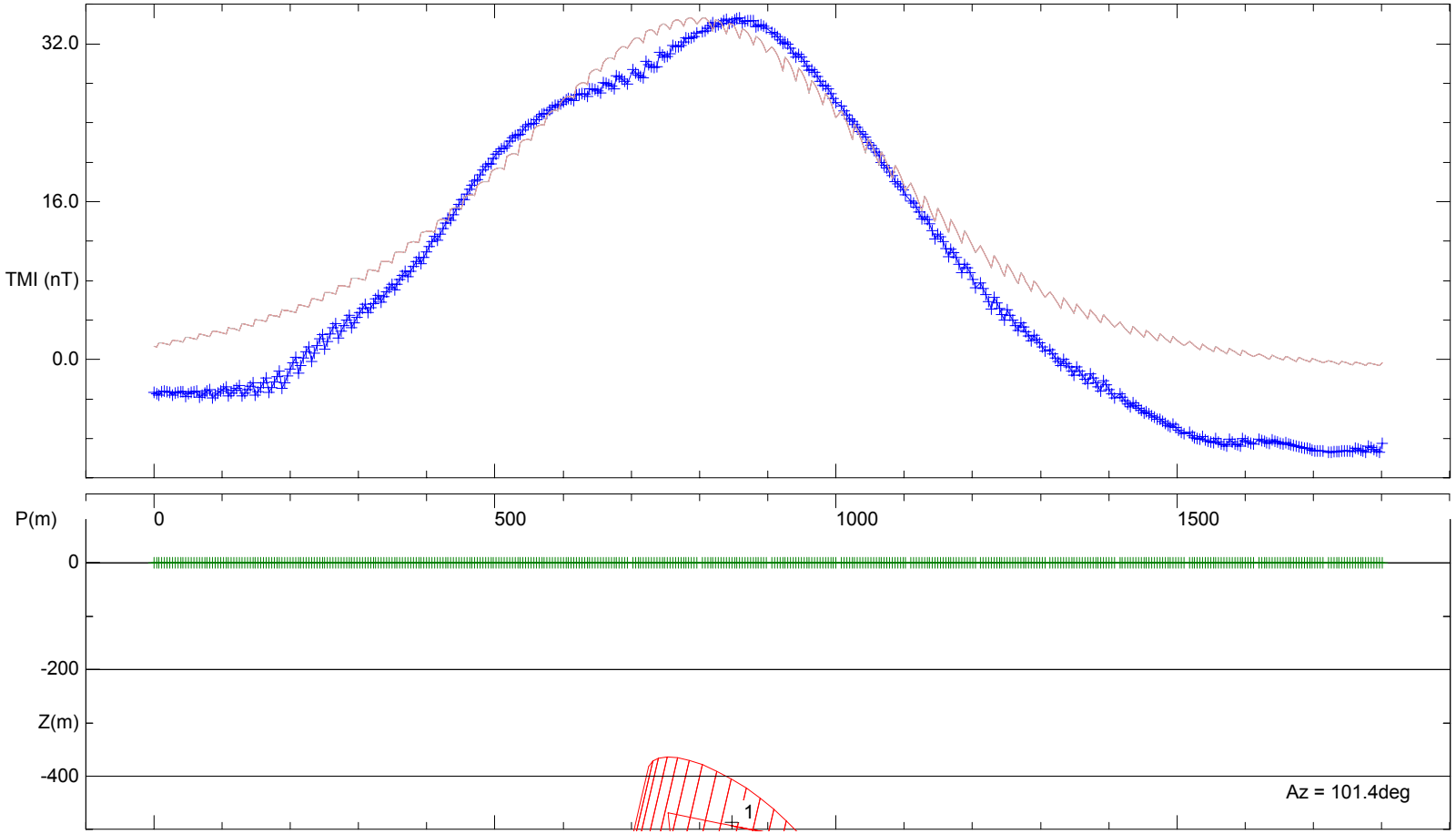
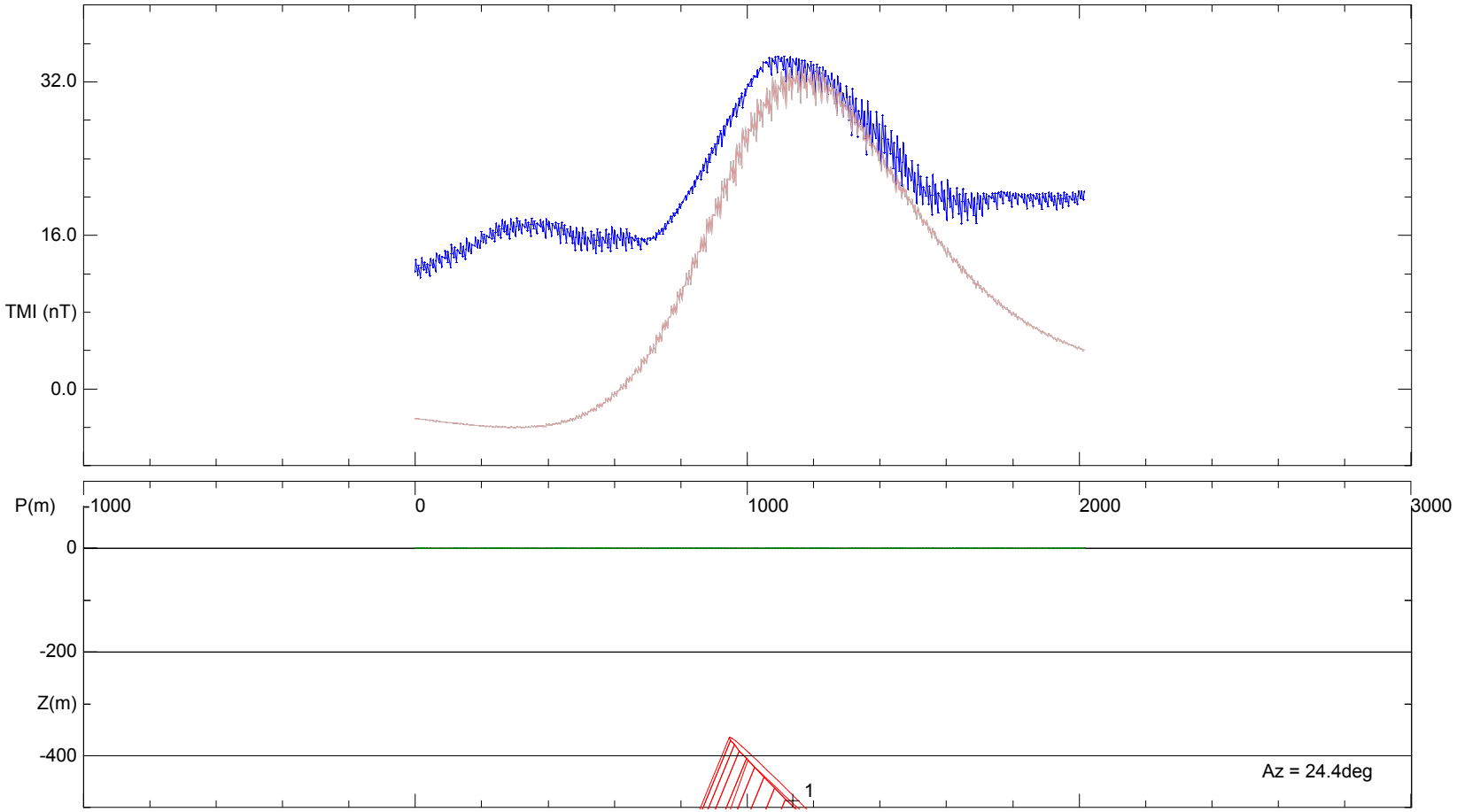


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		221314.7	6479134.8	-487.0	36.7	-5.7	32.1	1.000	0.0379	177.718	466.258	569.712	94.172



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Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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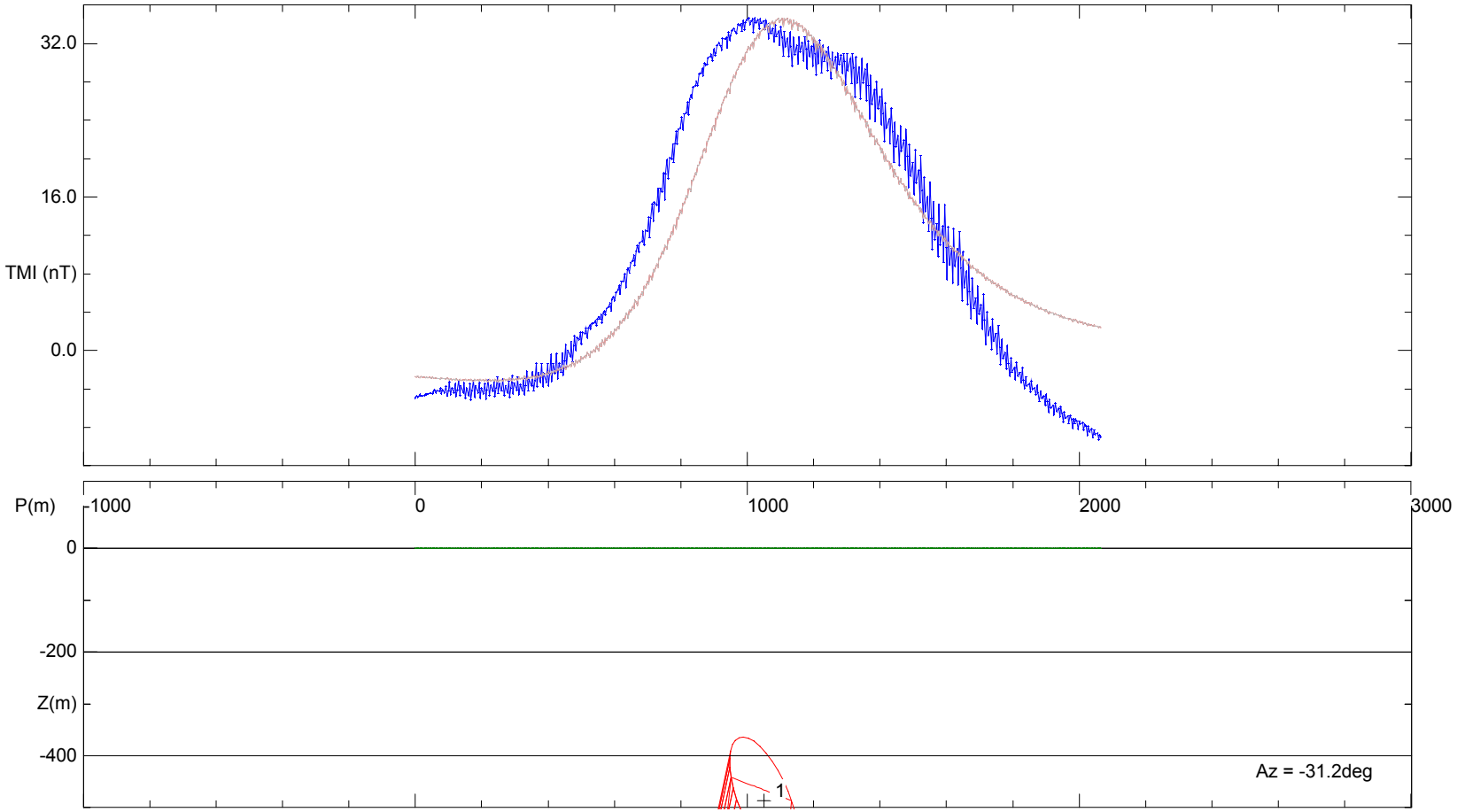

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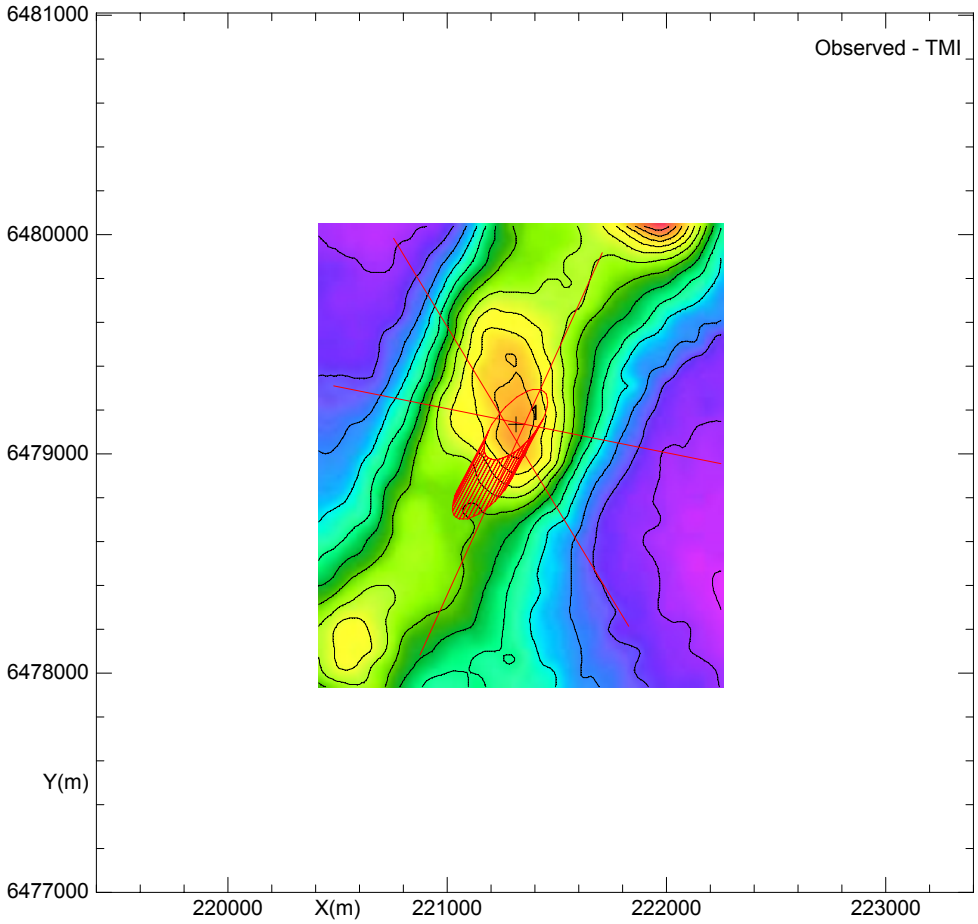

Model Summary

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Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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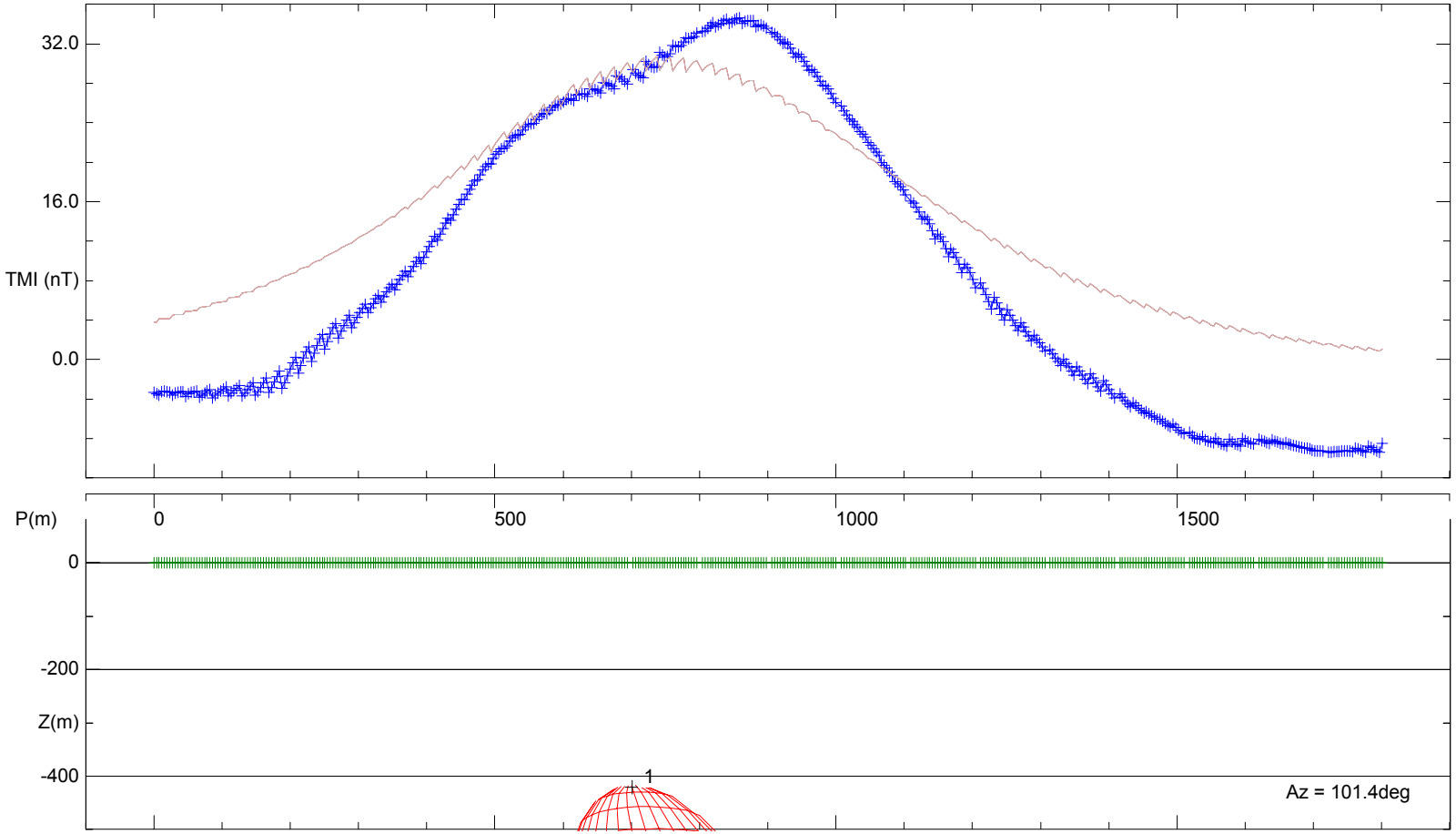
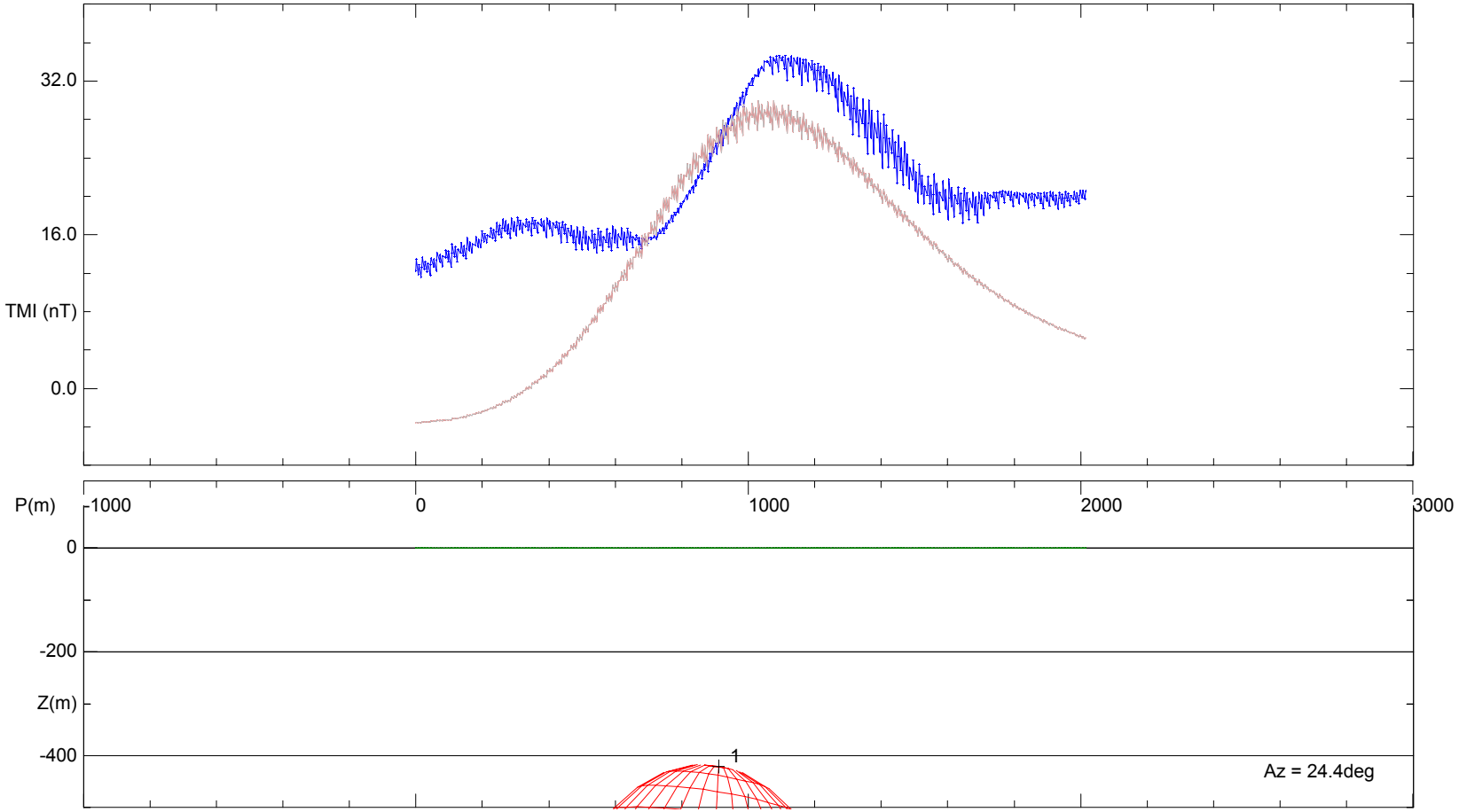


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221131.4	6478969.6	-420.8	-158.0	14.4	-6.2	1.000	0.0151	319.110	968.173	1056.877



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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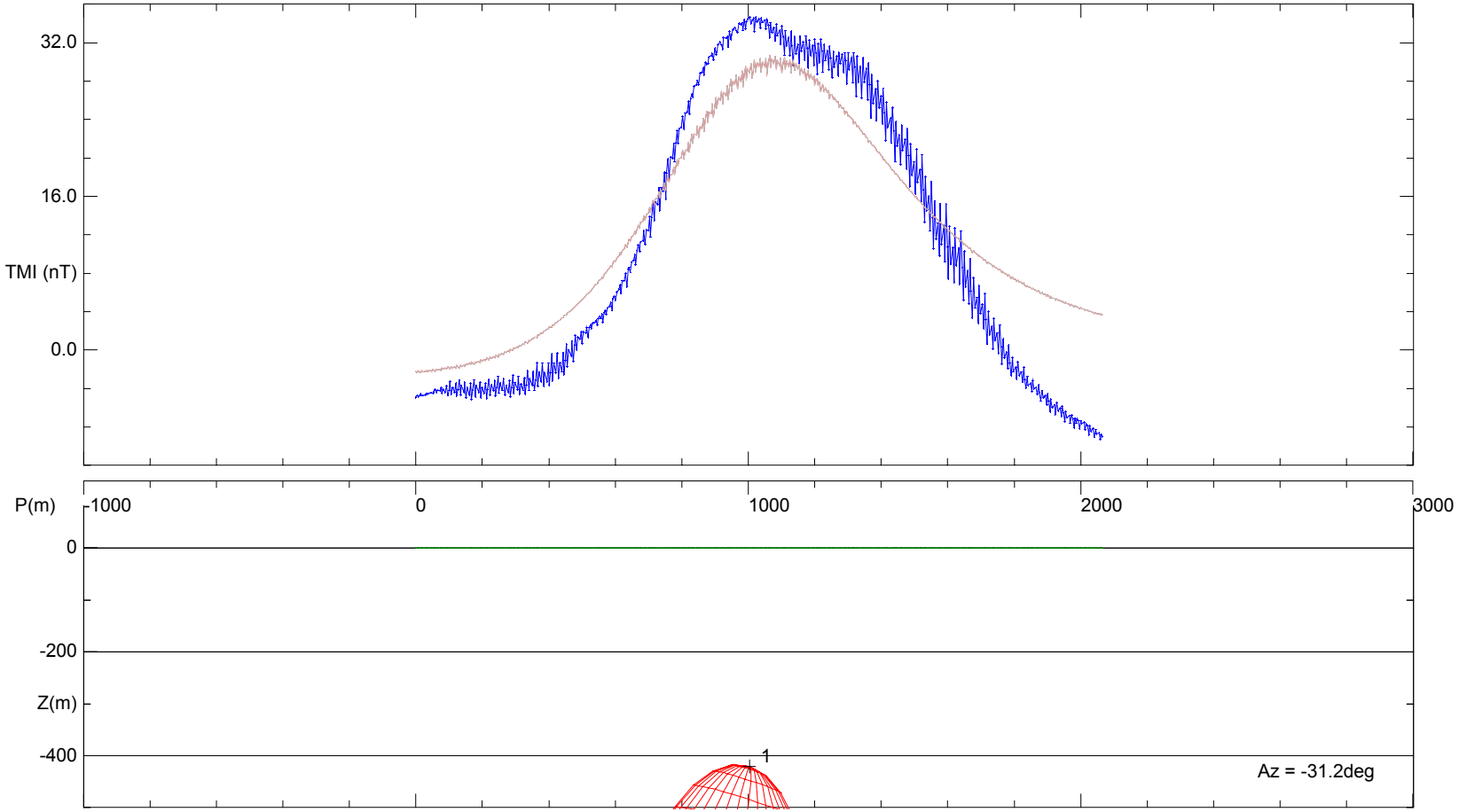

Model Summary

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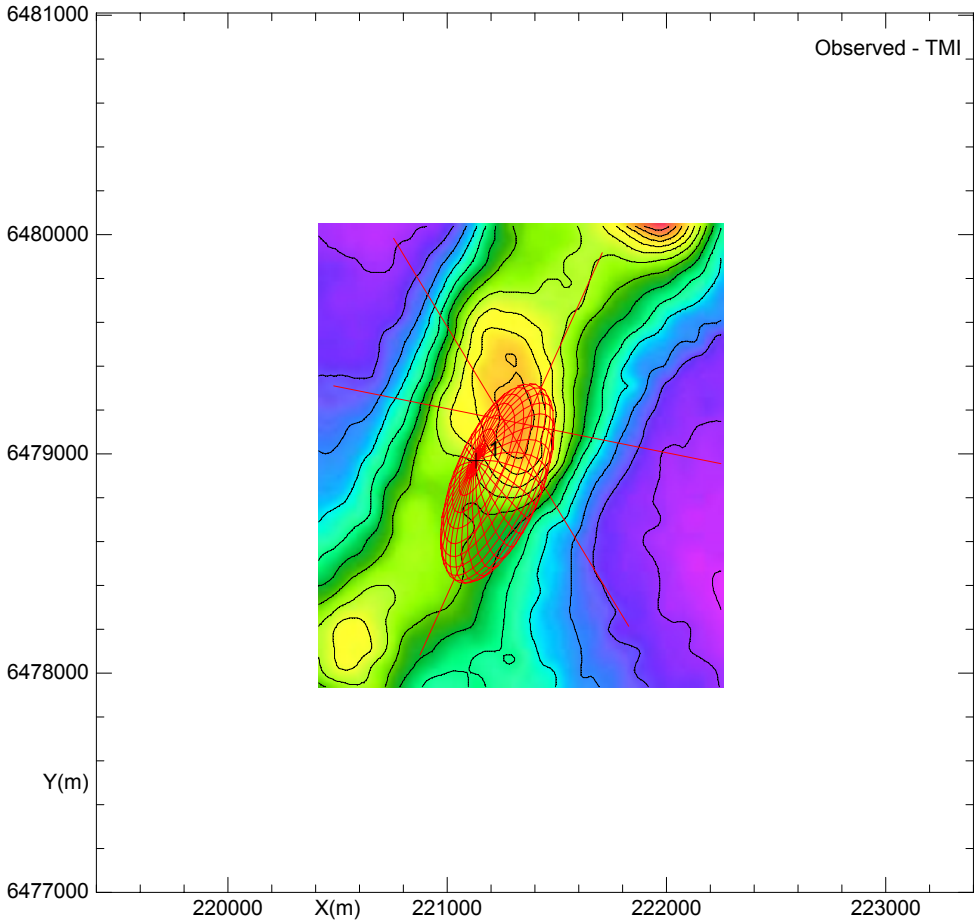

Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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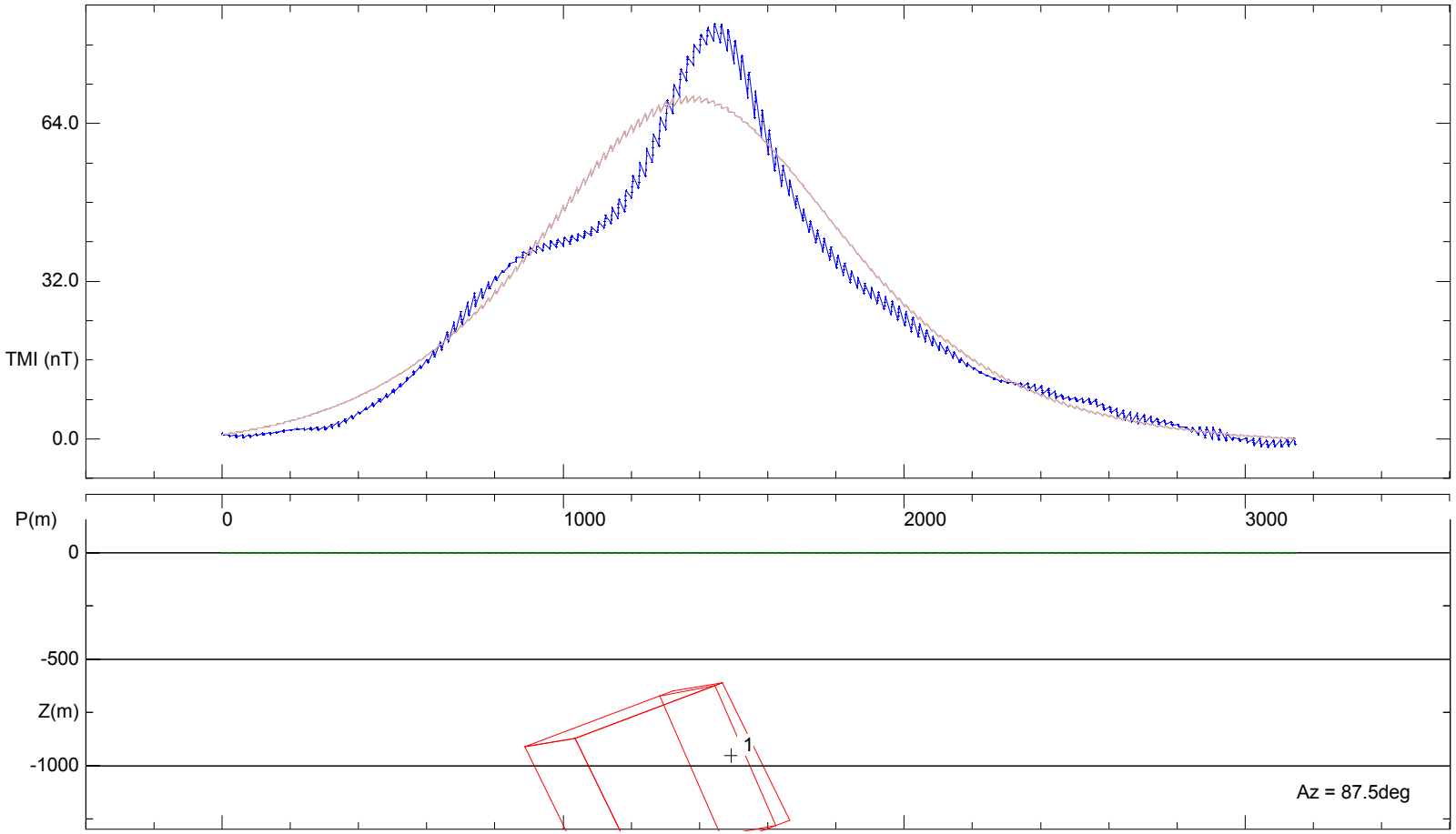
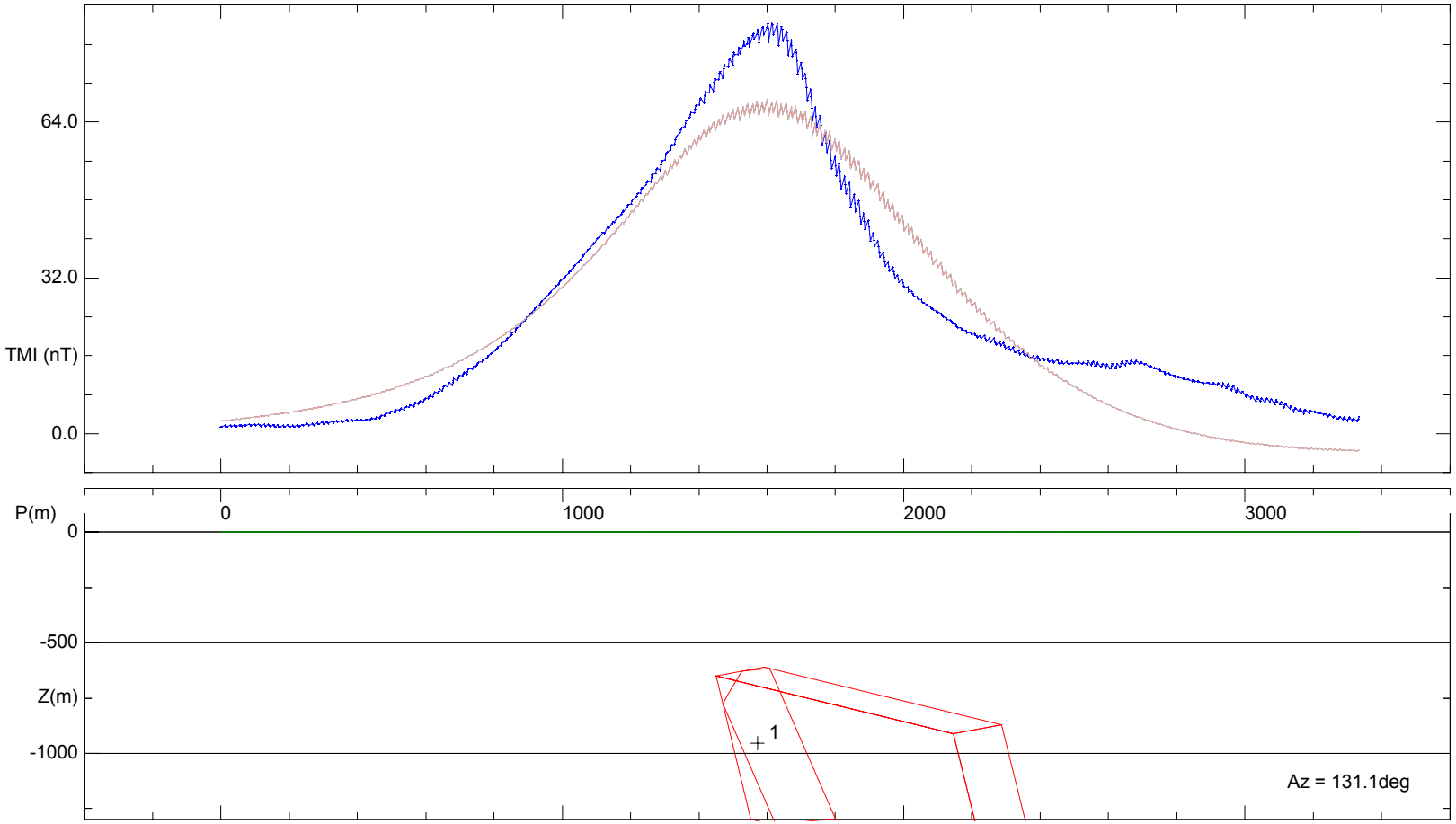


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221985.3	6480321.6	-953.5	16.5	-14.5	80.0	1.000	0.0804	159.922	679.205	1546.398



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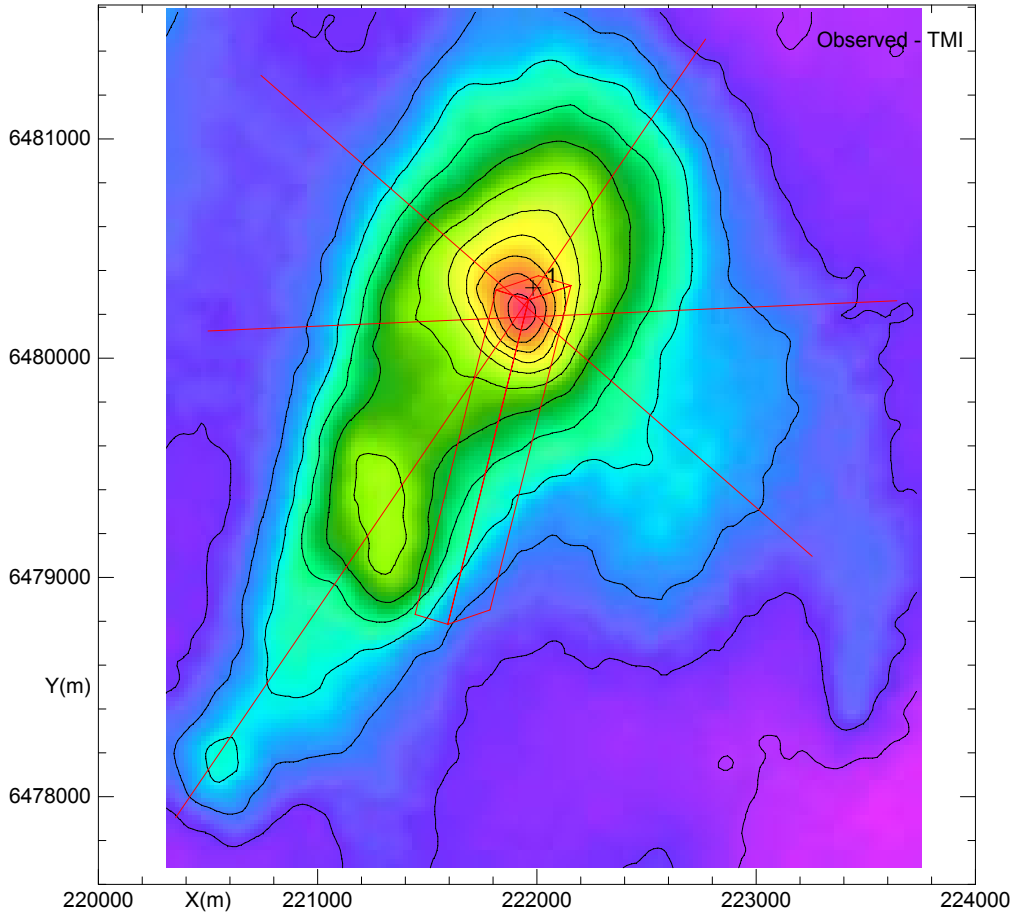
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221985.3	6480321.6	-953.5	16.5	-14.5	80.0	1.000	0.0804	159.922	679.205	1546.398



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Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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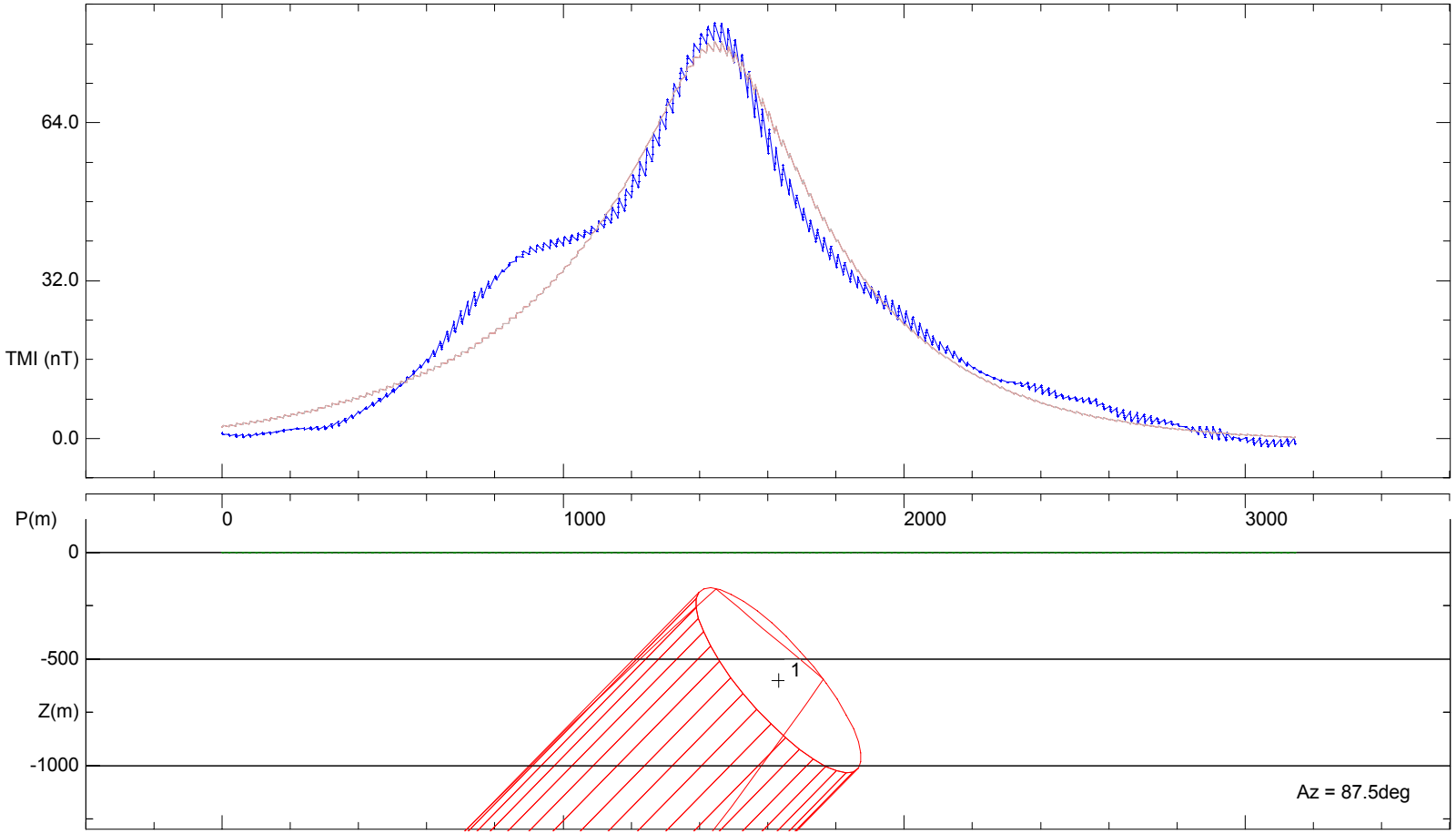
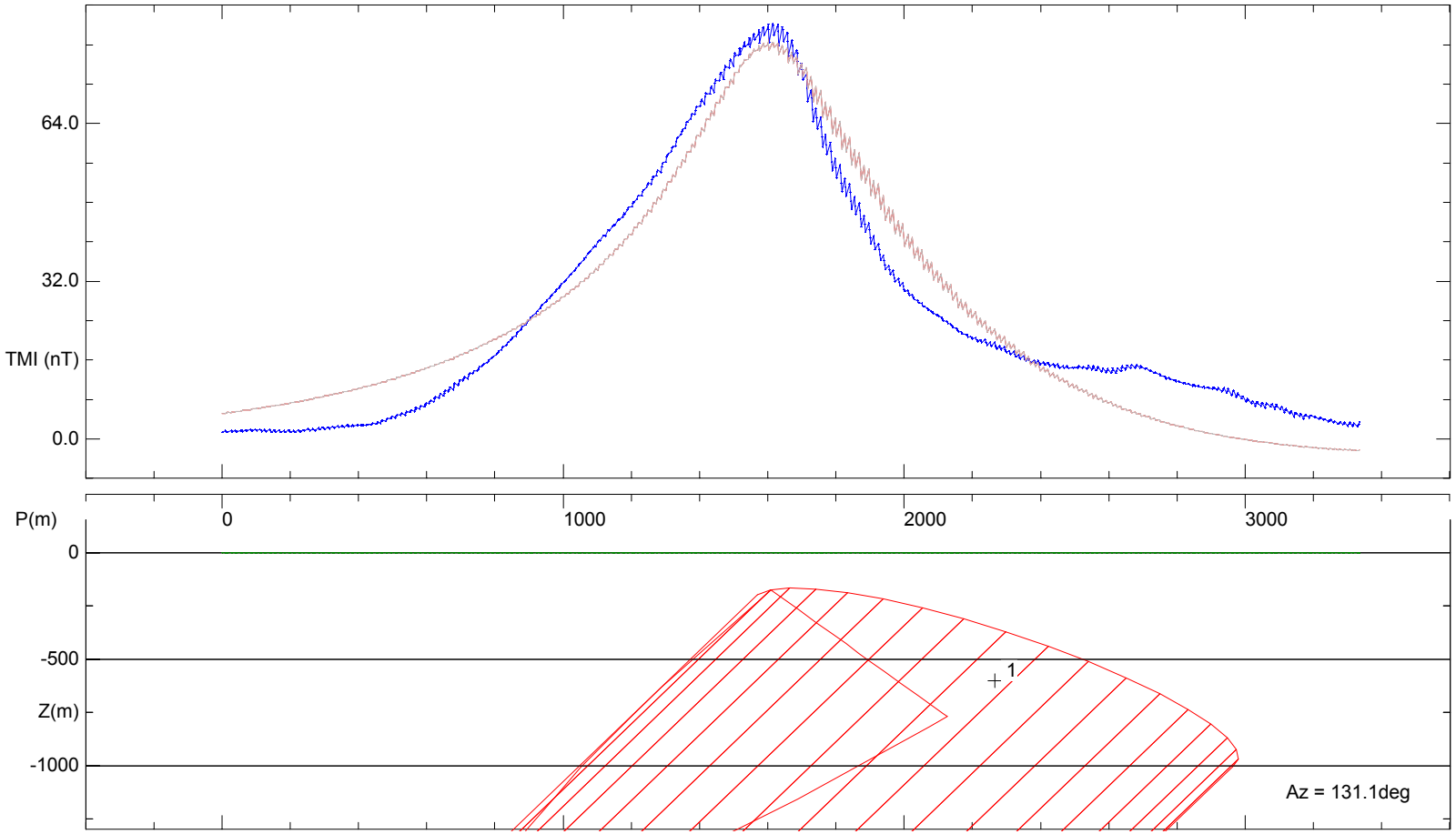


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

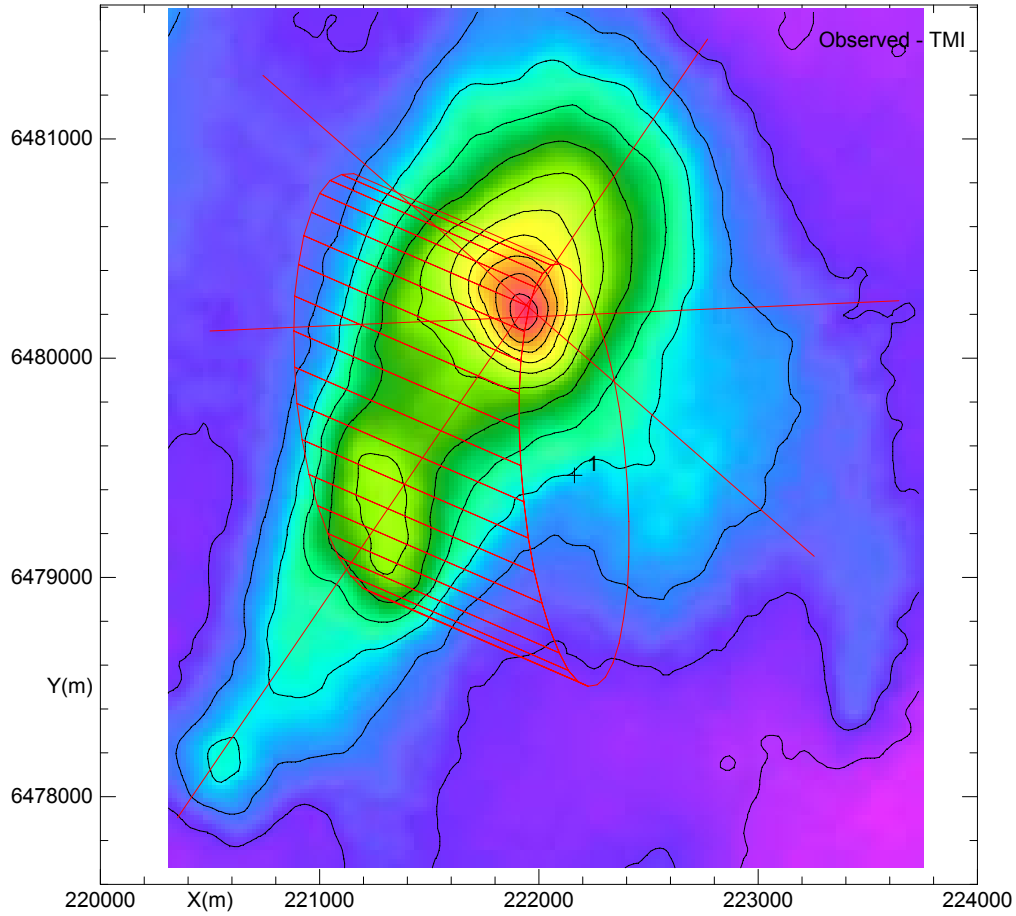
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222162.2	6479468.2	-600.2	-16.3	27.6	-21.1	1.000	0.0070	718.928	2030.962	1854.208	12.405



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

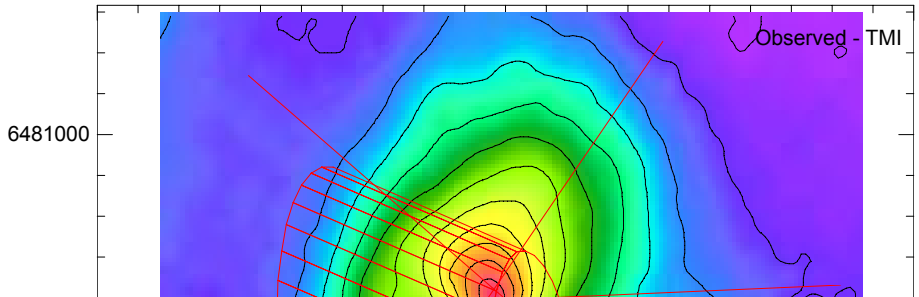
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222162.2	6479468.2	-600.2	-16.3	27.6	-21.1	1.000	0.0070	718.928	2030.962	1854.208	12.405

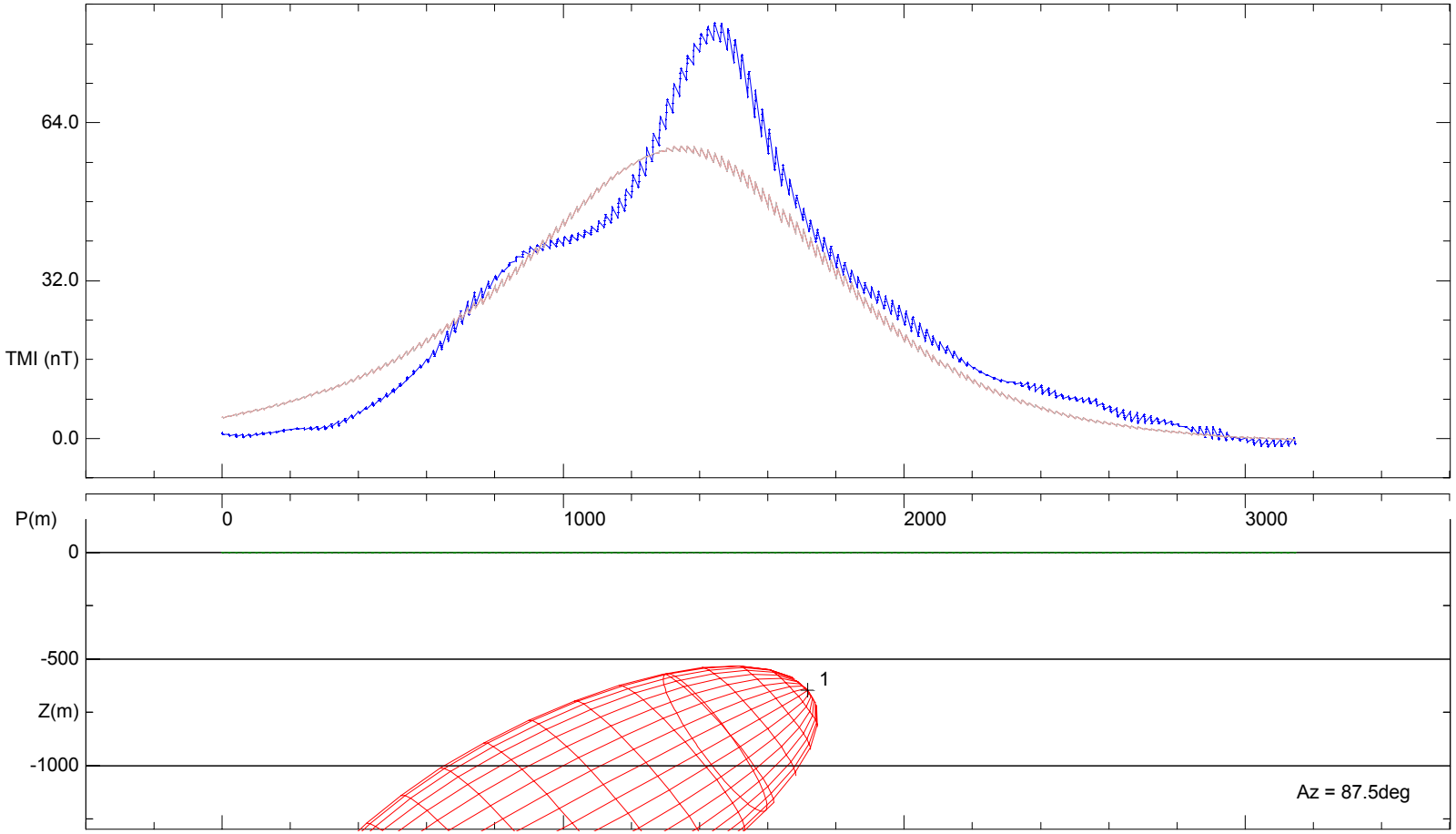


Model Summary

IGRF : H = 57785; Az =

Body Type	Descriptio
1 Cylinder	

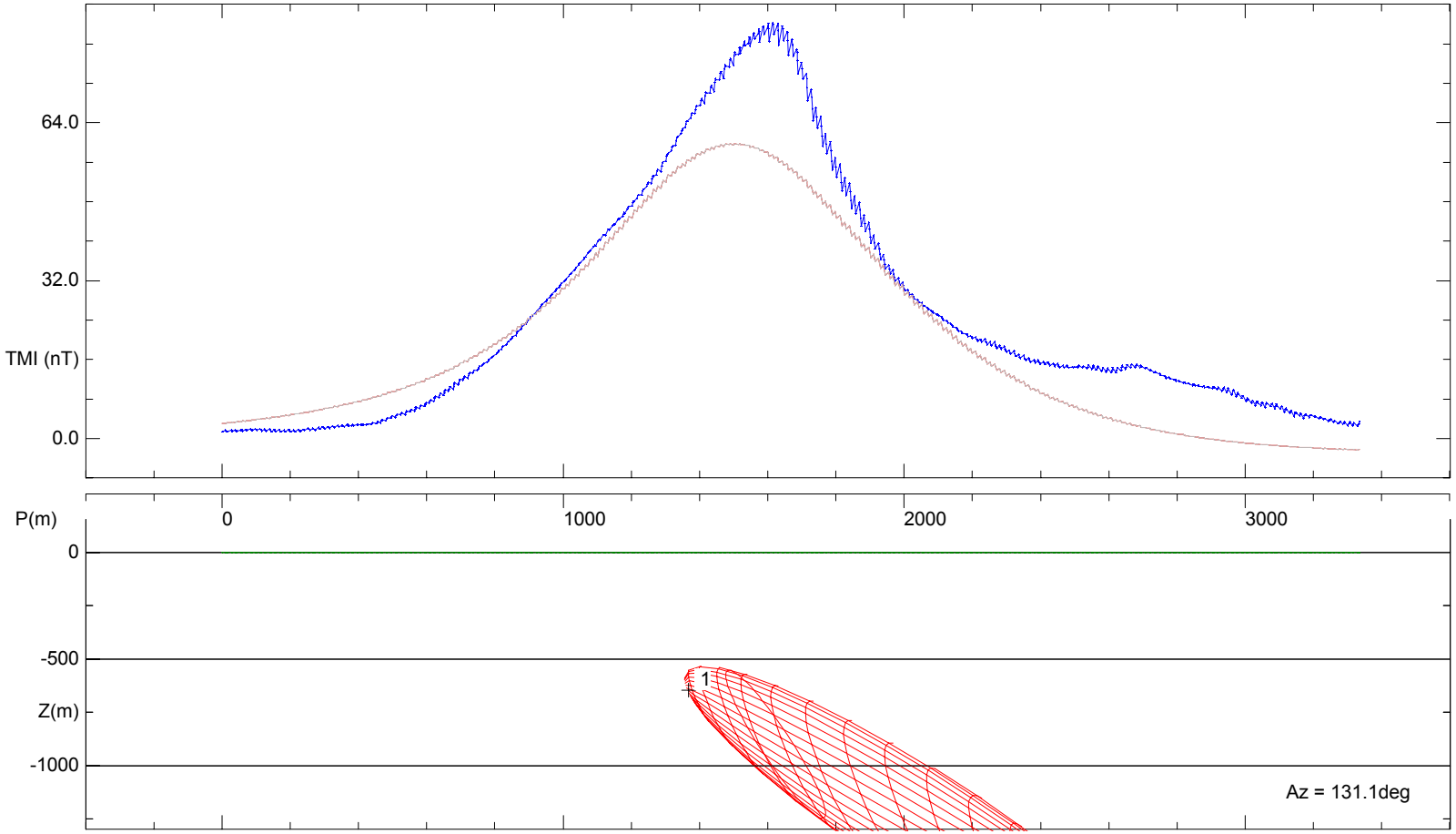




Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

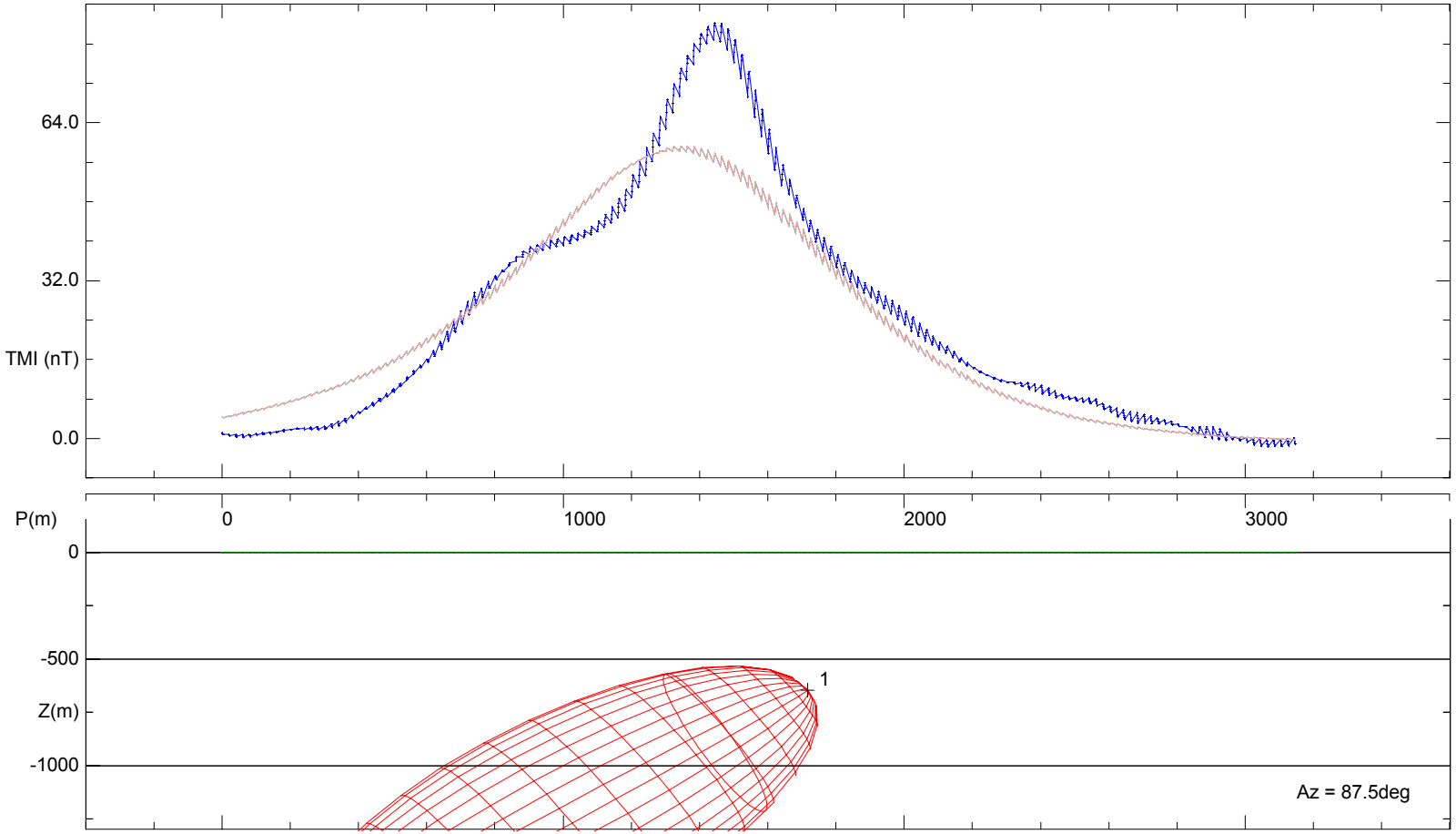
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222186.6	6480862.8	-644.9	-17.6	61.3	48.8	1.000	0.0843	905.806	125.362	4089.082



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

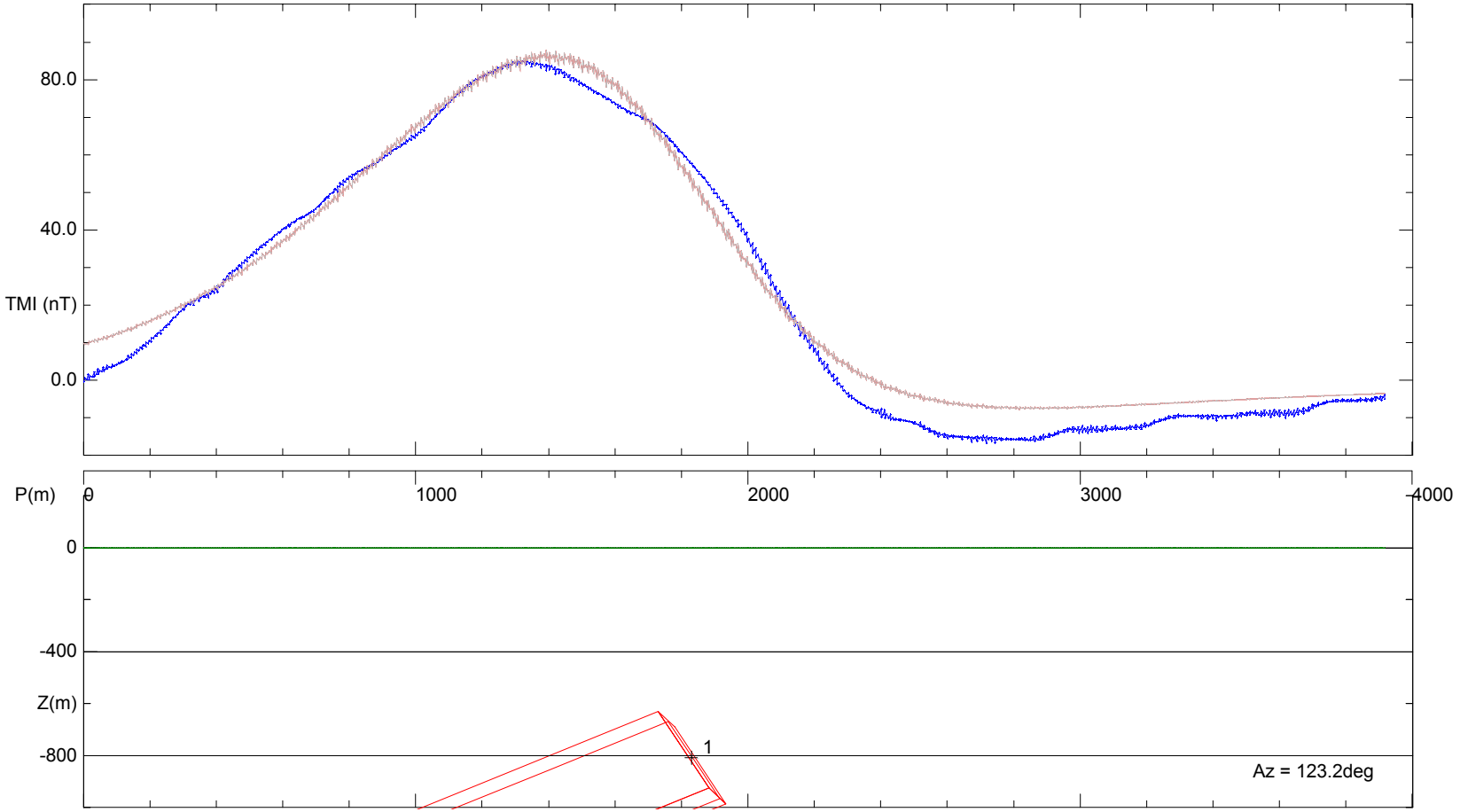
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222186.6	6480862.8	-644.9	-17.6	61.3	48.8	1.000	0.0843	905.806	125.362	4089.082



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

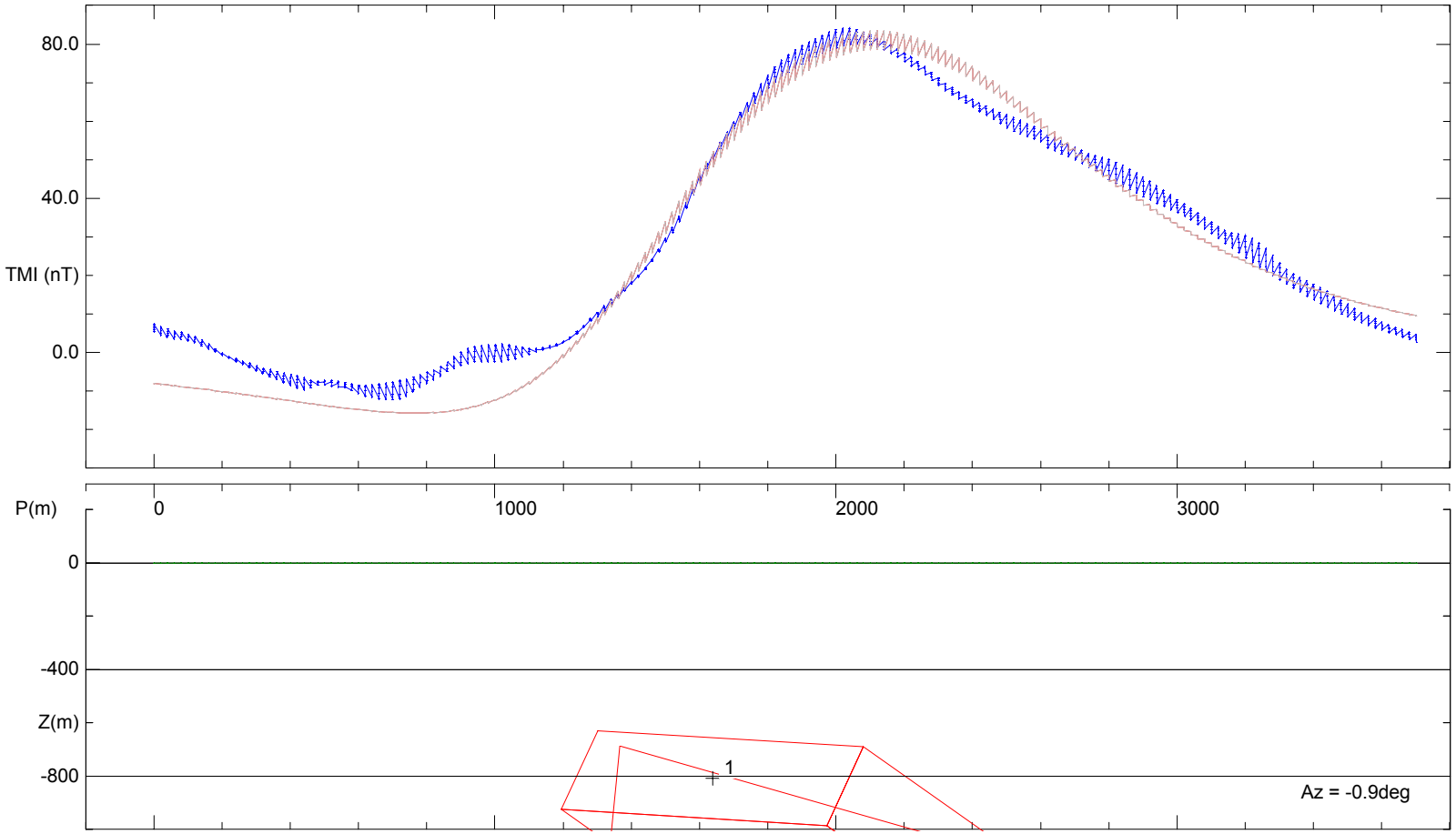
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222186.6	6480862.8	-644.9	-17.6	61.3	48.8	1.000	0.0843	905.806	125.362	4089.082



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

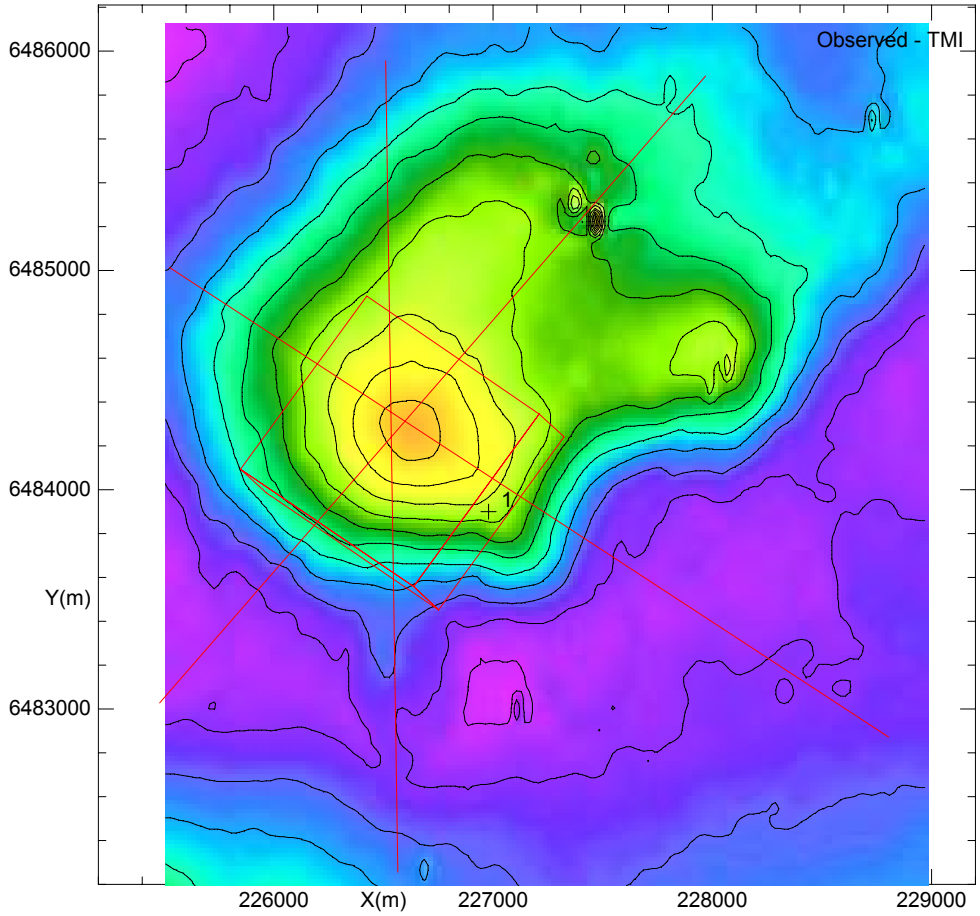
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		226982.7	6483900.6	-807.4	42.8	62.1	7.6	1.000	0.0505	333.780	976.691	1074.434



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

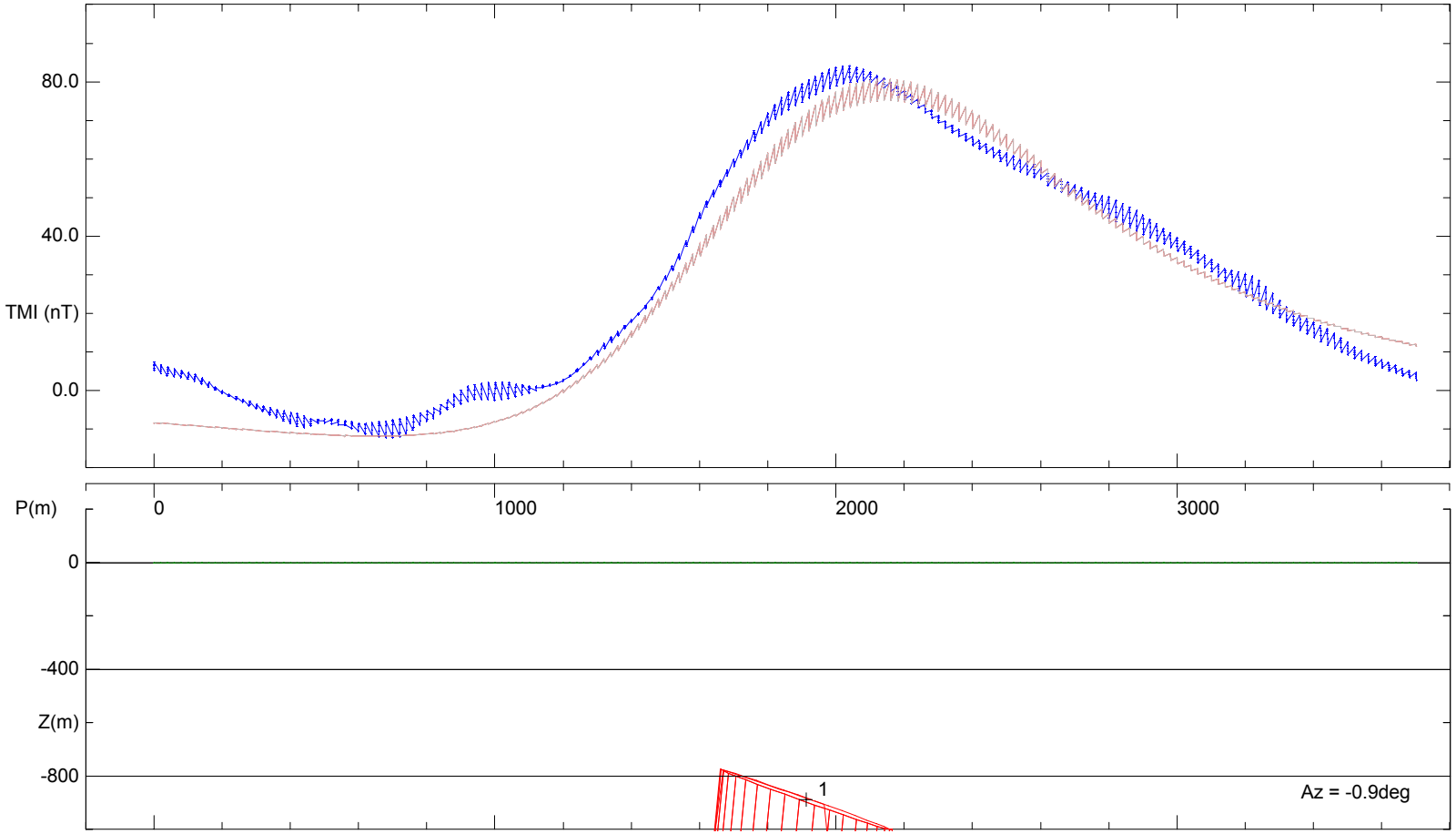
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		226982.7	6483900.6	-807.4	42.8	62.1	7.6	1.000	0.0505	333.780	976.691	1074.434



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

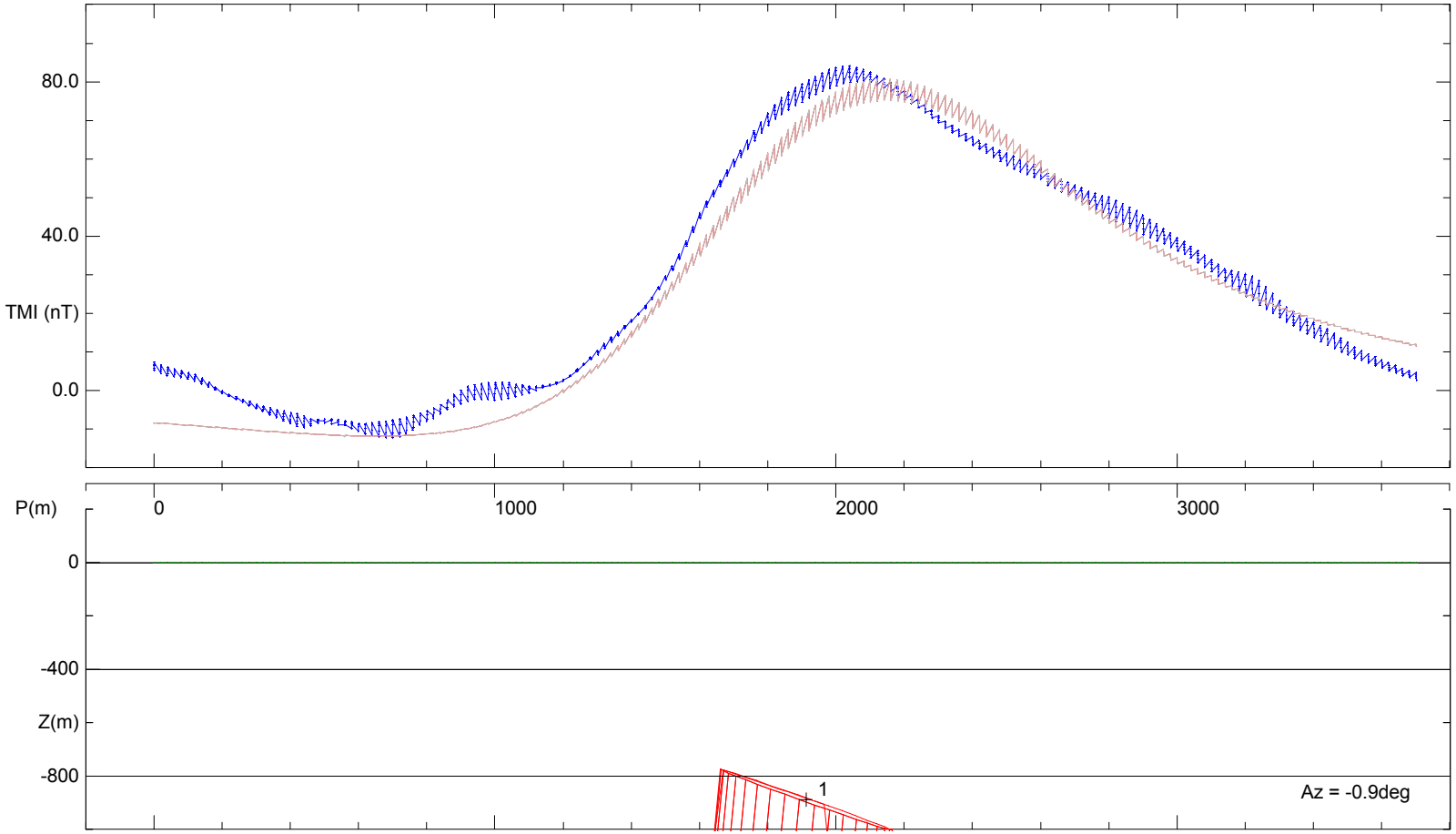
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		226982.7	6483900.6	-807.4	42.8	62.1	7.6	1.000	0.0505	333.780	976.691	1074.434



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

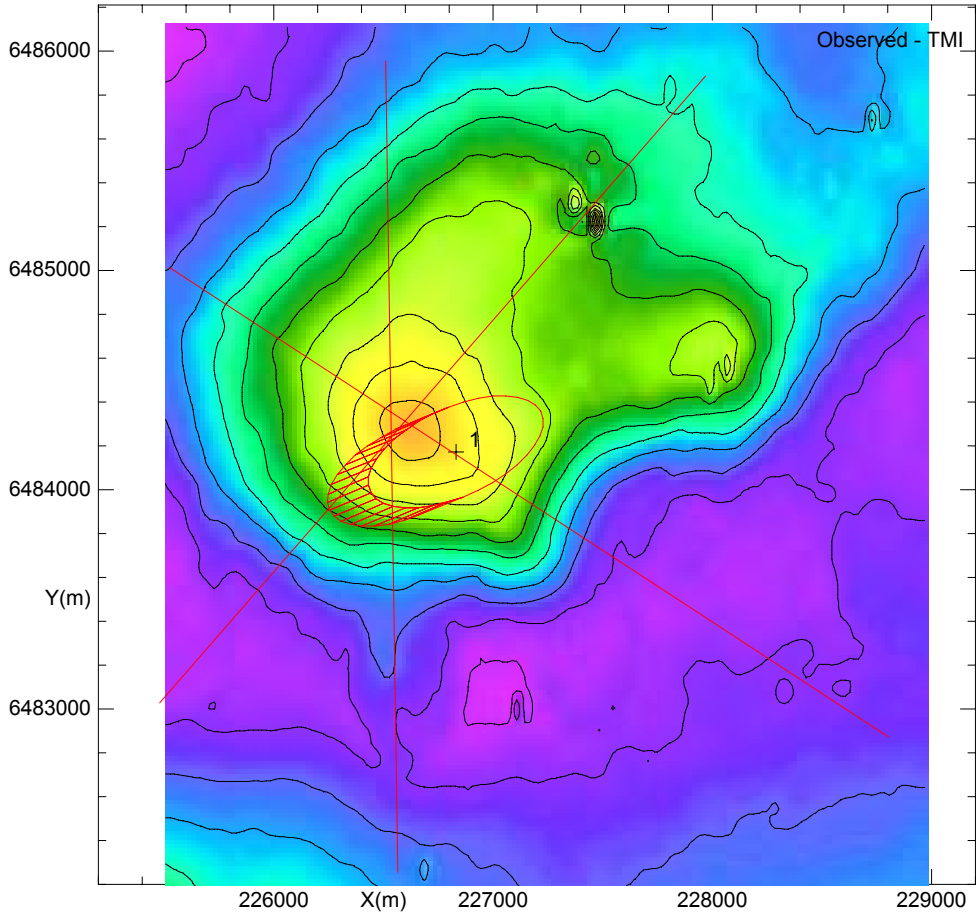
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		226831.3	6484174.0	-889.0	-115.6	-0.6	-11.5	1.000	0.0903	402.644	874.789	1024.891	11.370



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		226831.3	6484174.0	-889.0	-115.6	-0.6	-11.5	1.000	0.0903	402.644	874.789	1024.891	11.370



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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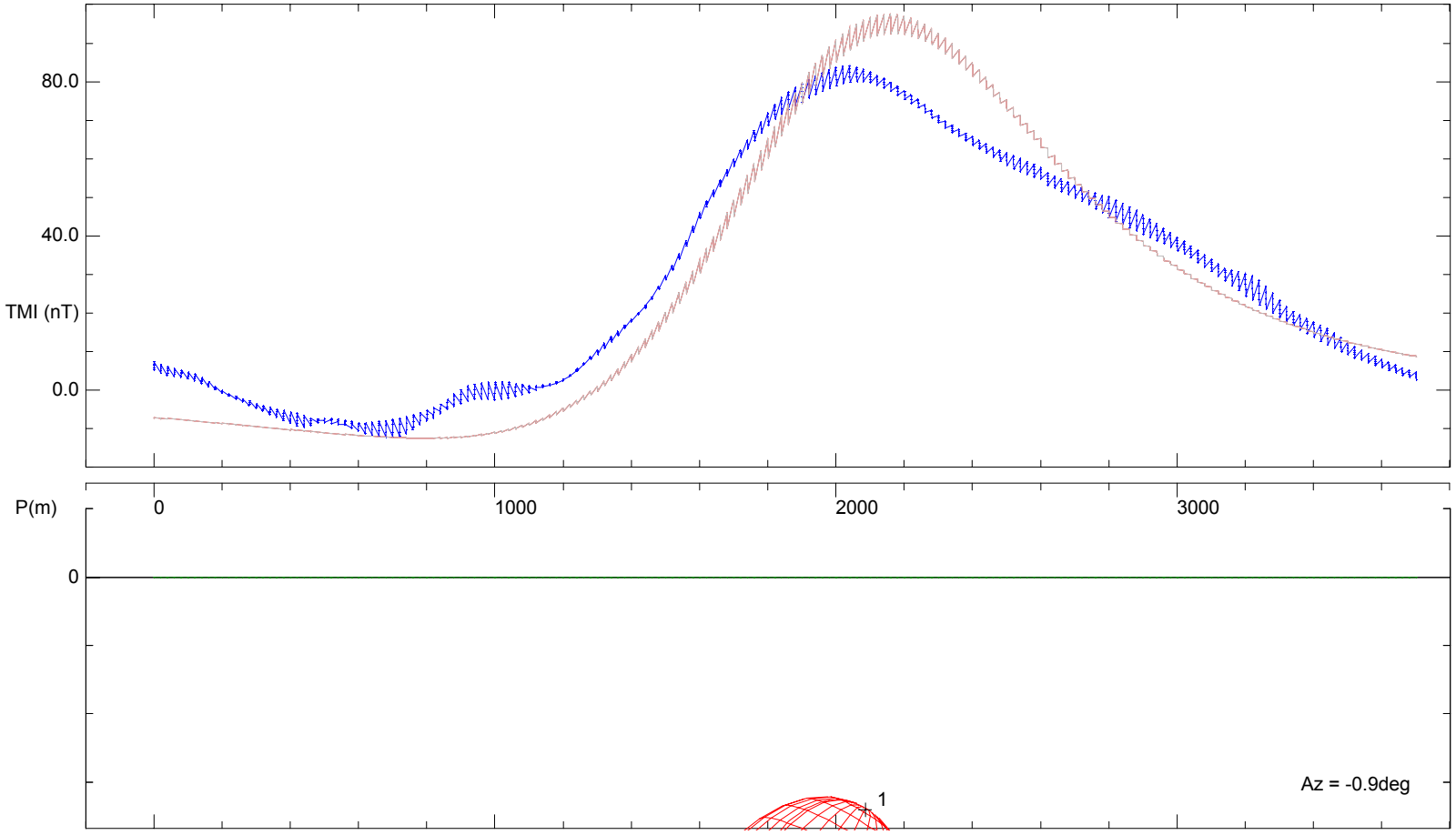
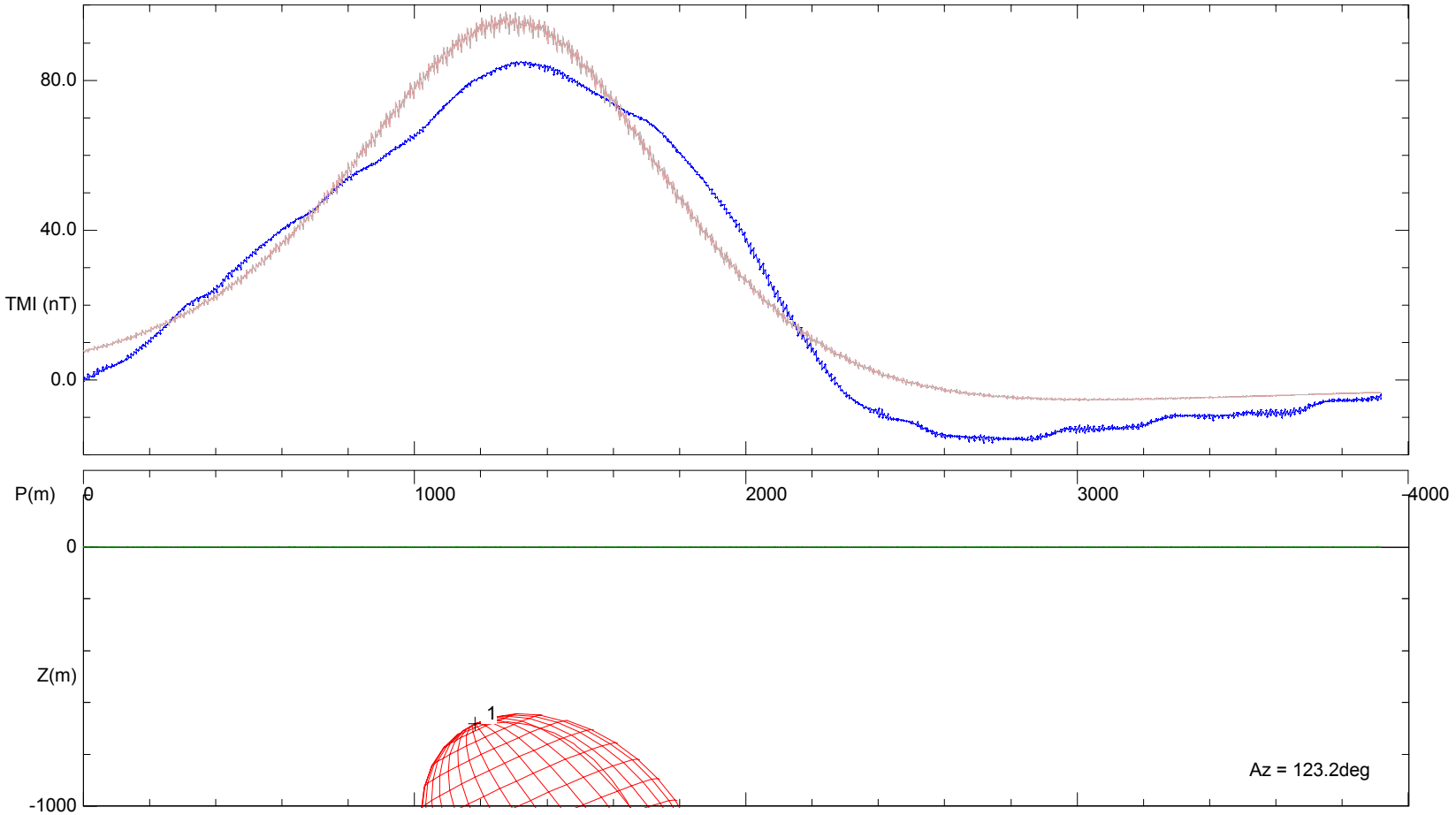


Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

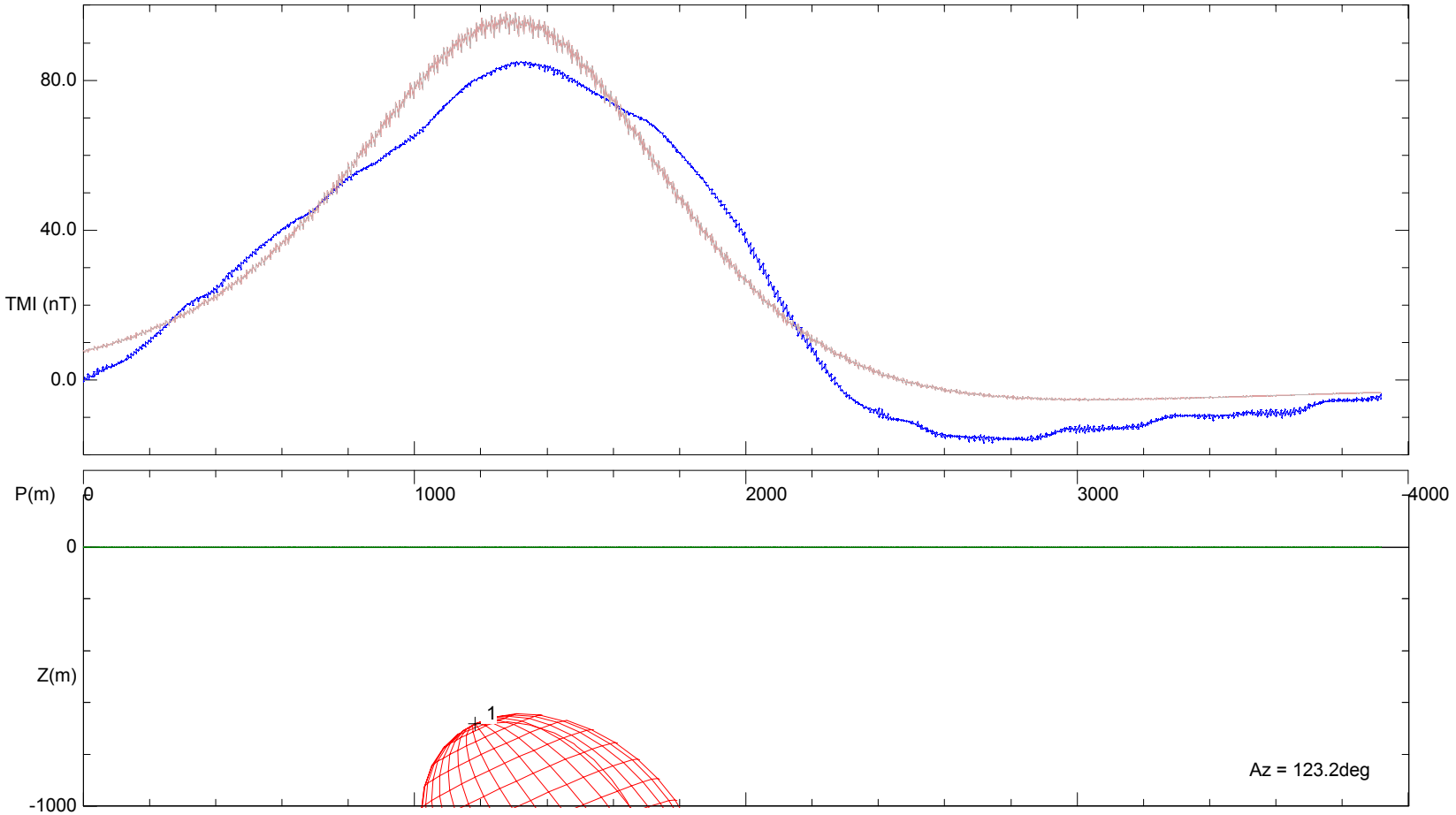
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		226498.6	6484342.6	-681.8	-37.4	-1.0	29.9	1.000	0.0864	427.751	810.876	1141.474



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

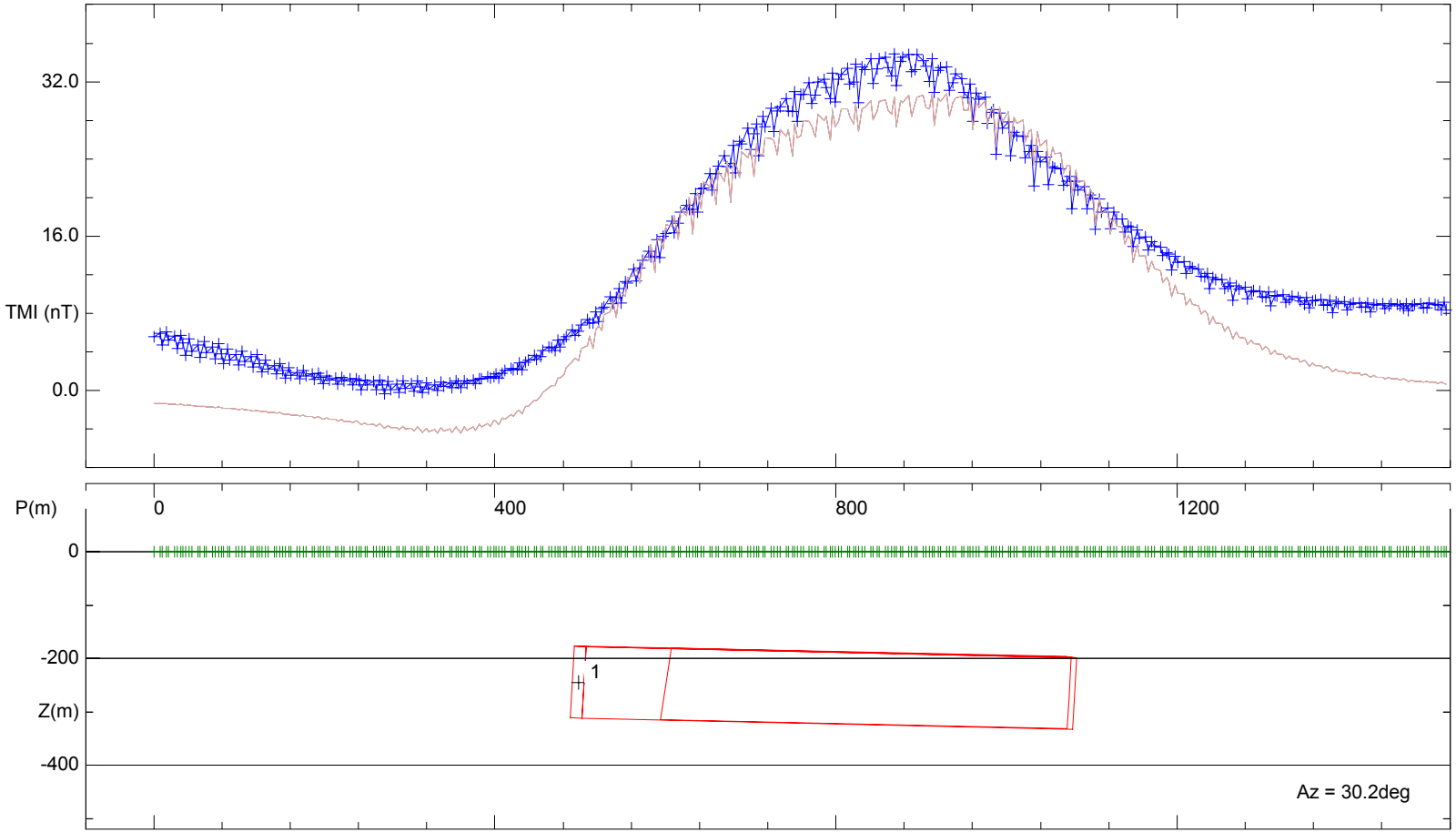
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		226498.6	6484342.6	-681.8	-37.4	-1.0	29.9	1.000	0.0864	427.751	810.876	1141.474



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

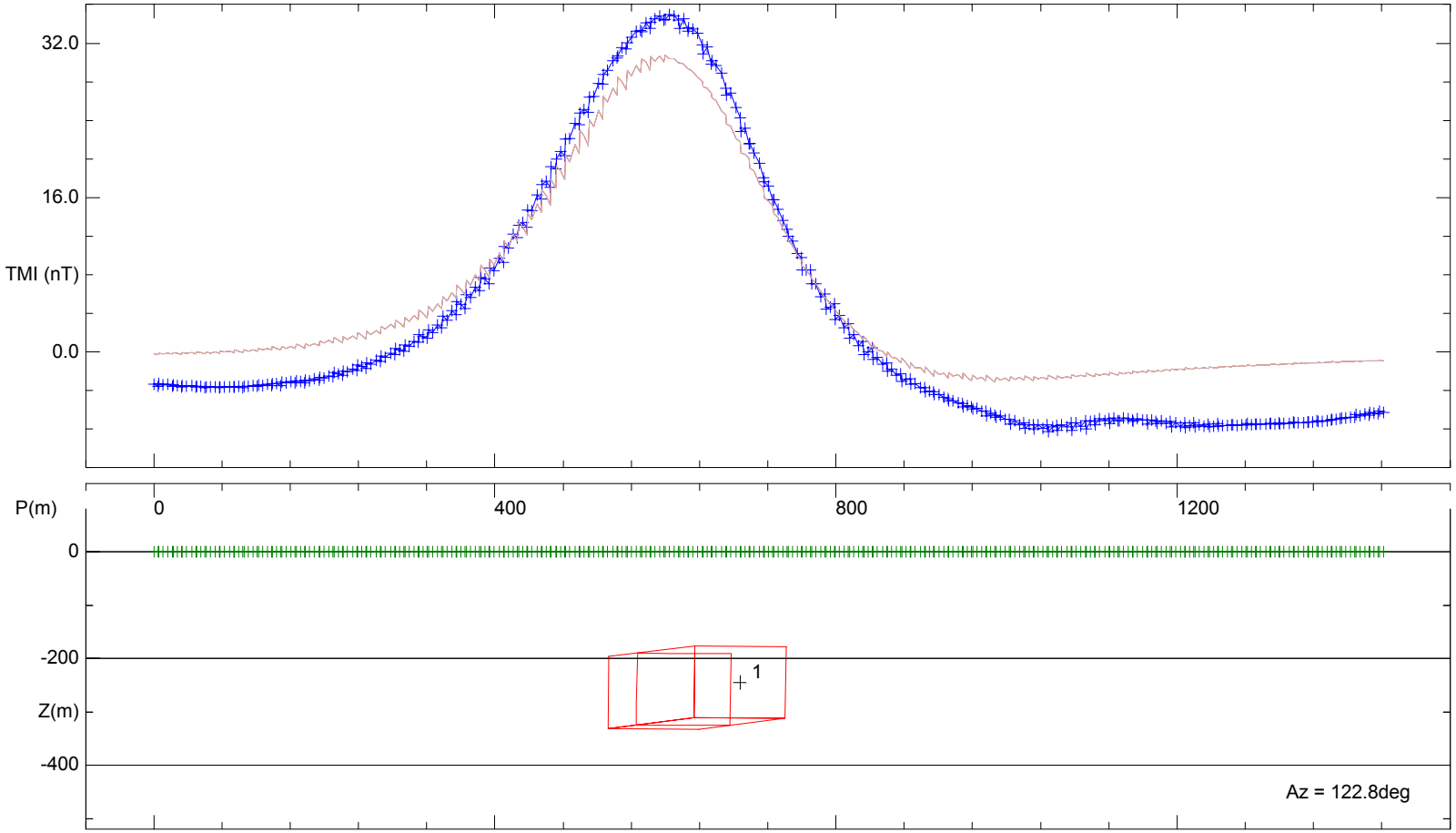
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		226498.6	6484342.6	-681.8	-37.4	-1.0	29.9	1.000	0.0864	427.751	810.876	1141.474



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

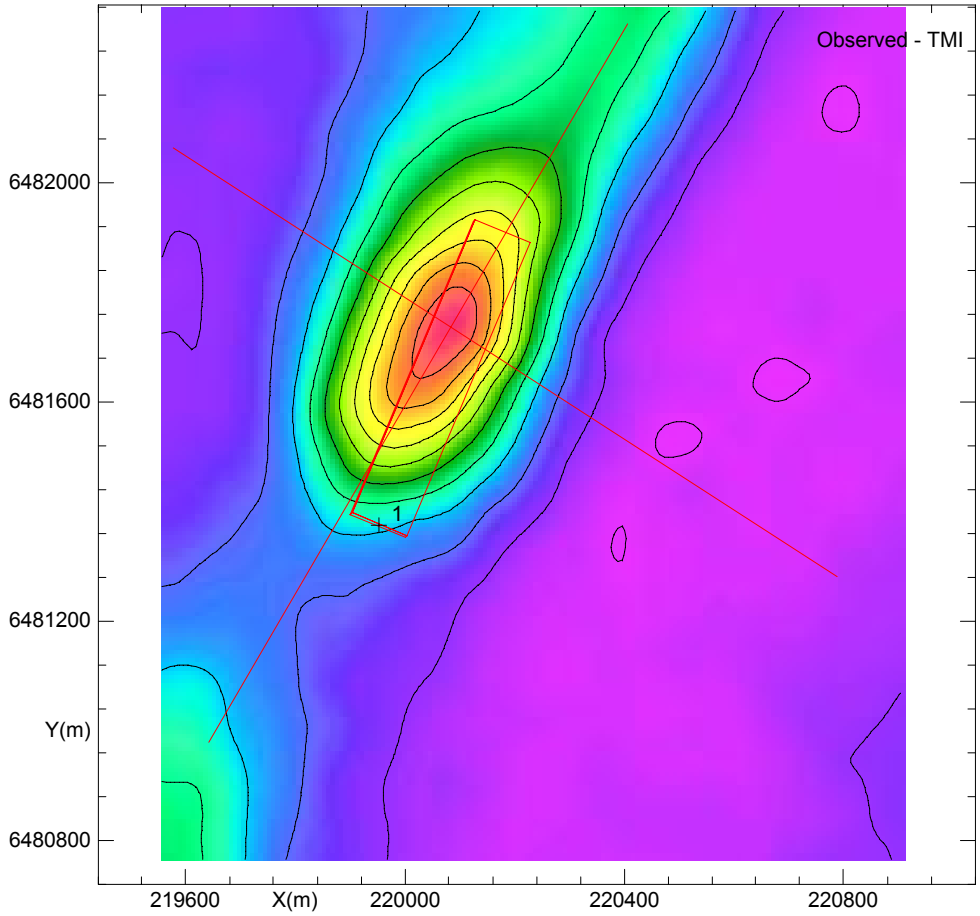
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219951.8	6481376.3	-244.0	-46.6	-87.9	-20.6	1.000	0.0153	134.372	108.338	580.252



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

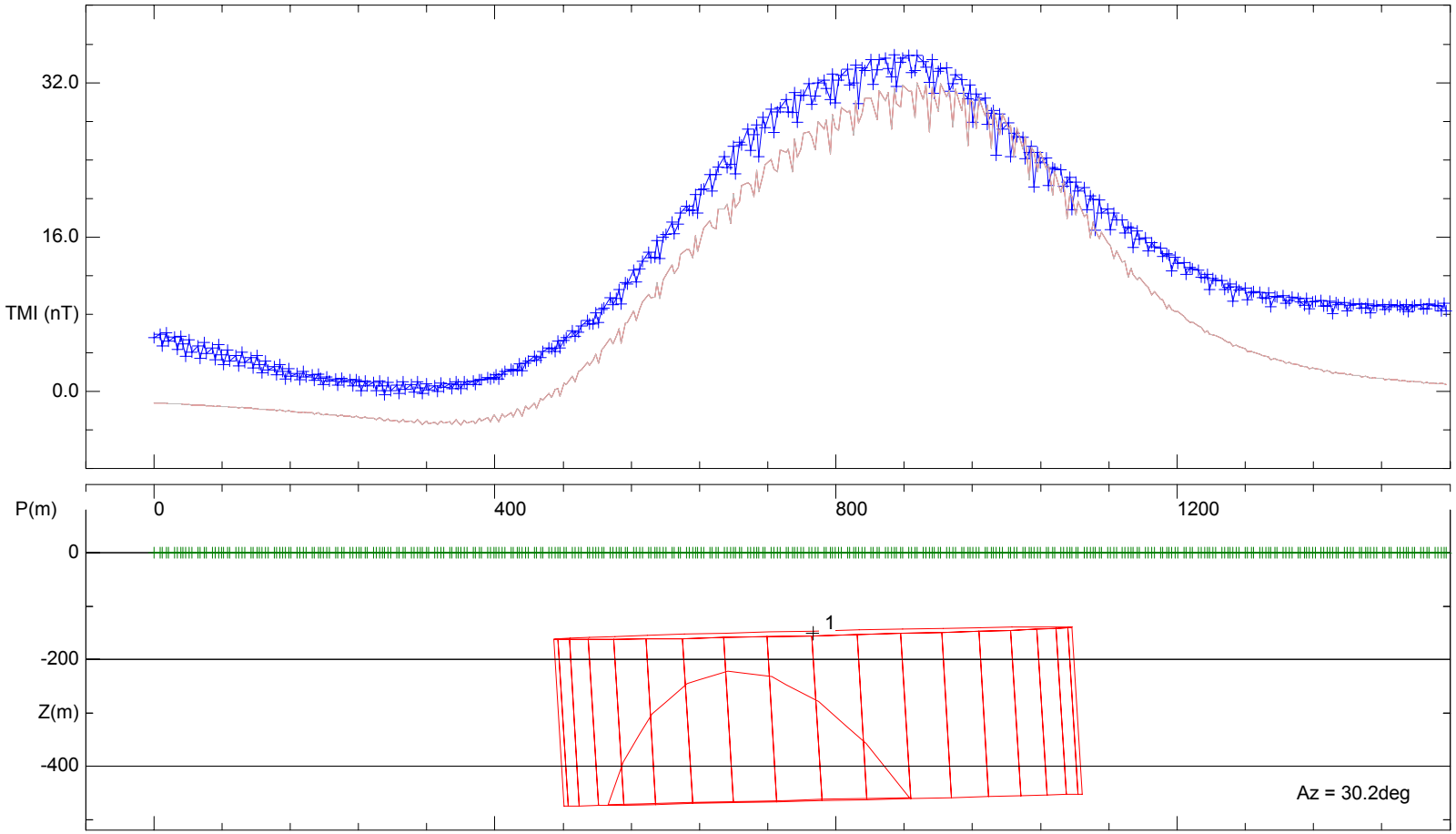
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219951.8	6481376.3	-244.0	-46.6	-87.9	-20.6	1.000	0.0153	134.372	108.338	580.252



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

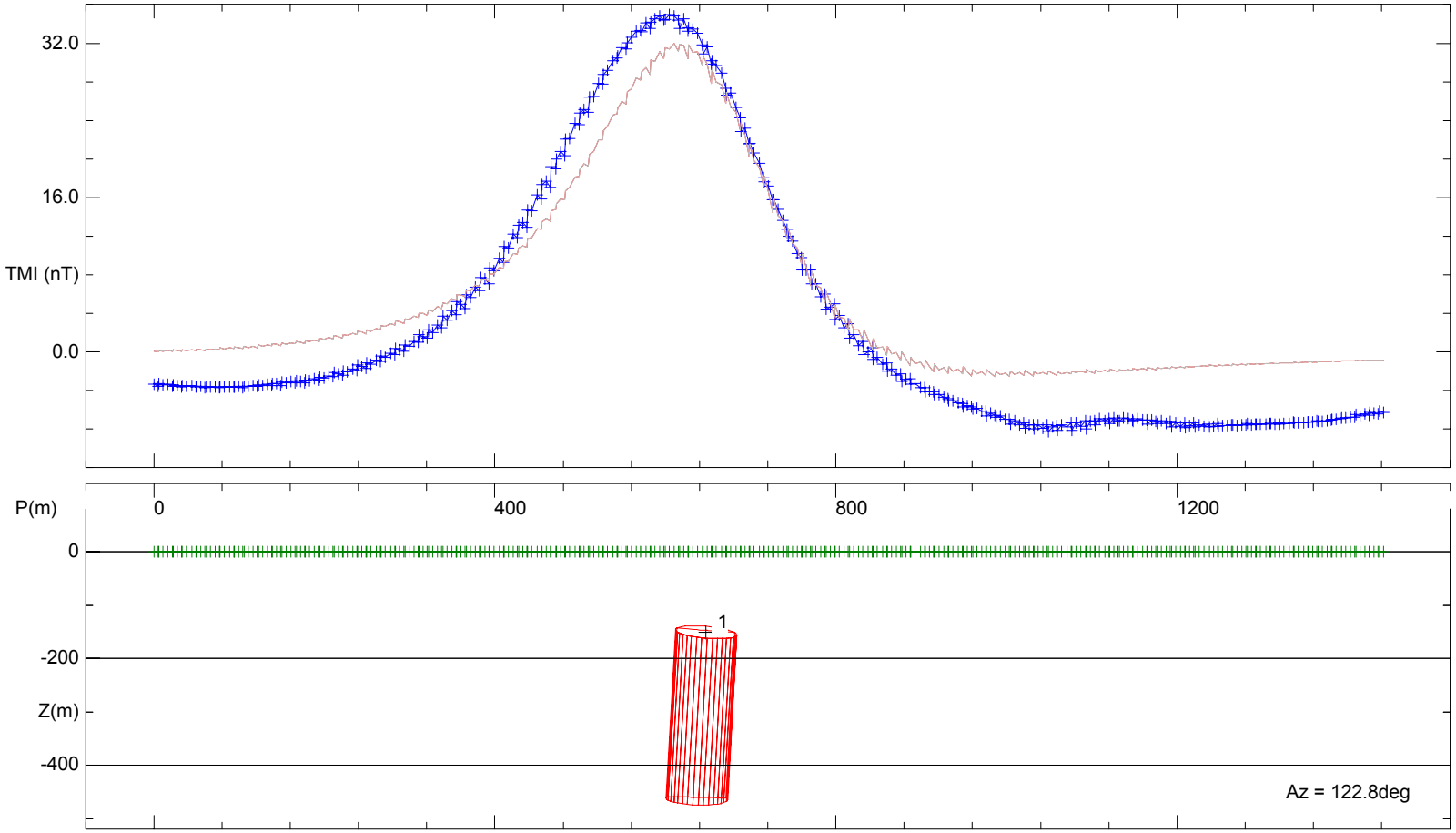
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219951.8	6481376.3	-244.0	-46.6	-87.9	-20.6	1.000	0.0153	134.372	108.338	580.252



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

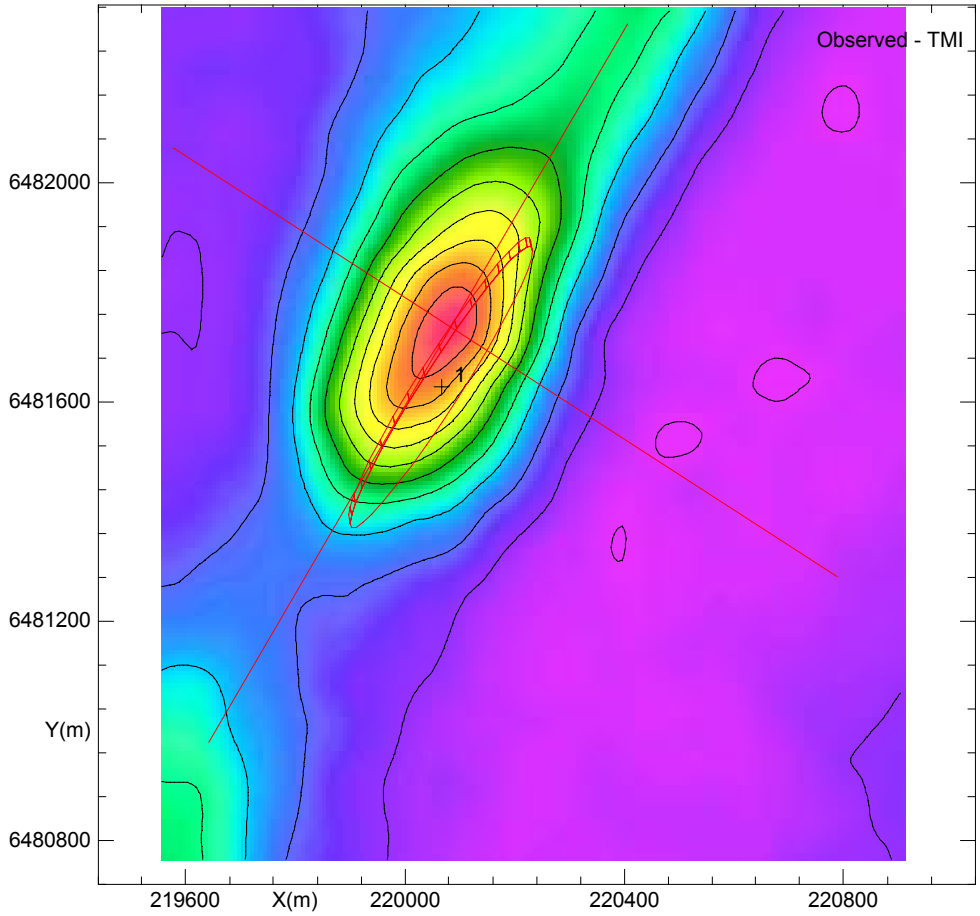
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		220066.6	6481628.1	-150.5	32.5	2.0	-2.1	1.000	0.0119	72.407	608.385	312.845	95.185



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

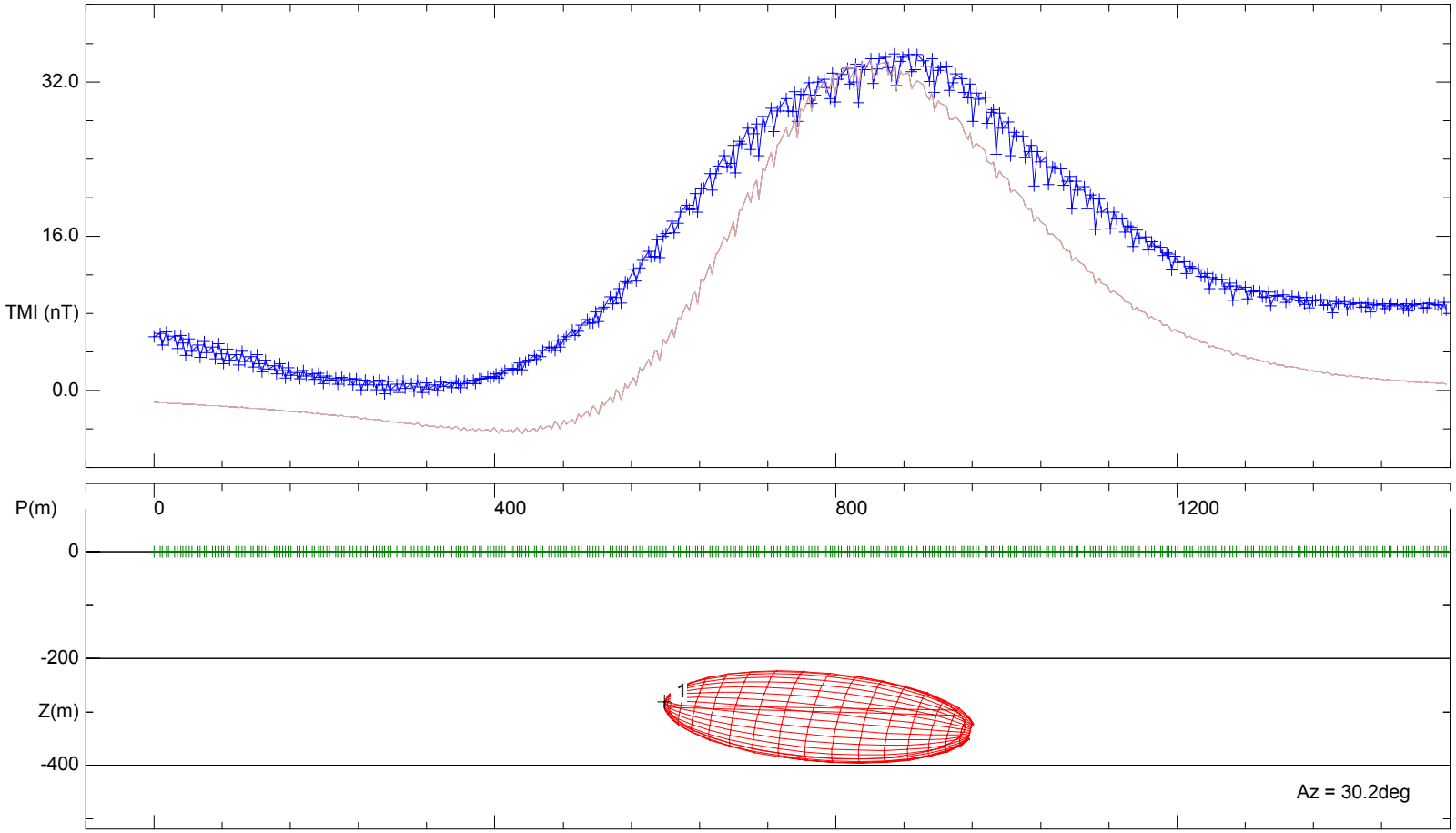
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		220066.6	6481628.1	-150.5	32.5	2.0	-2.1	1.000	0.0119	72.407	608.385	312.845	95.185



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

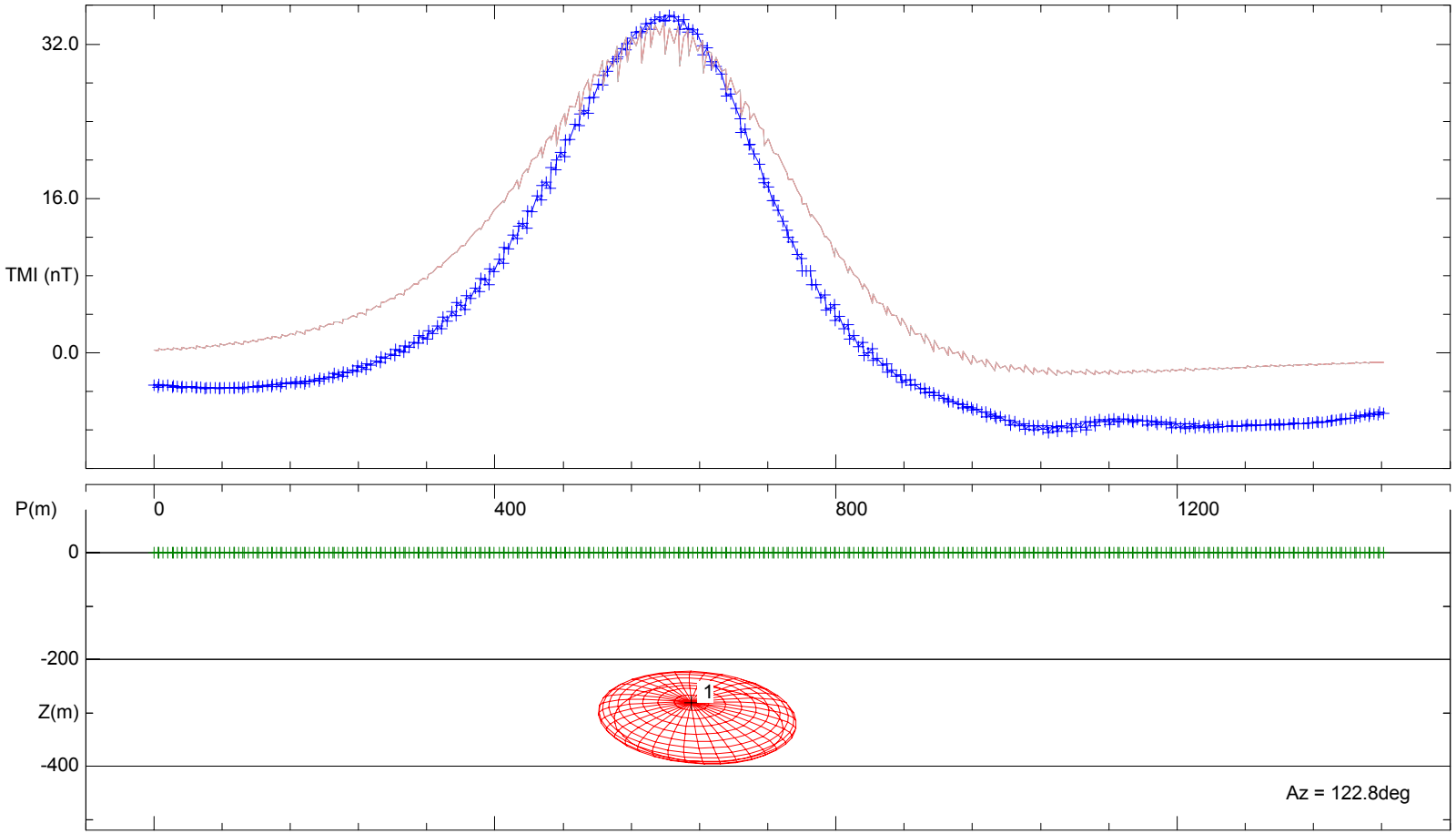
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		220066.6	6481628.1	-150.5	32.5	2.0	-2.1	1.000	0.0119	72.407	608.385	312.845	95.185



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

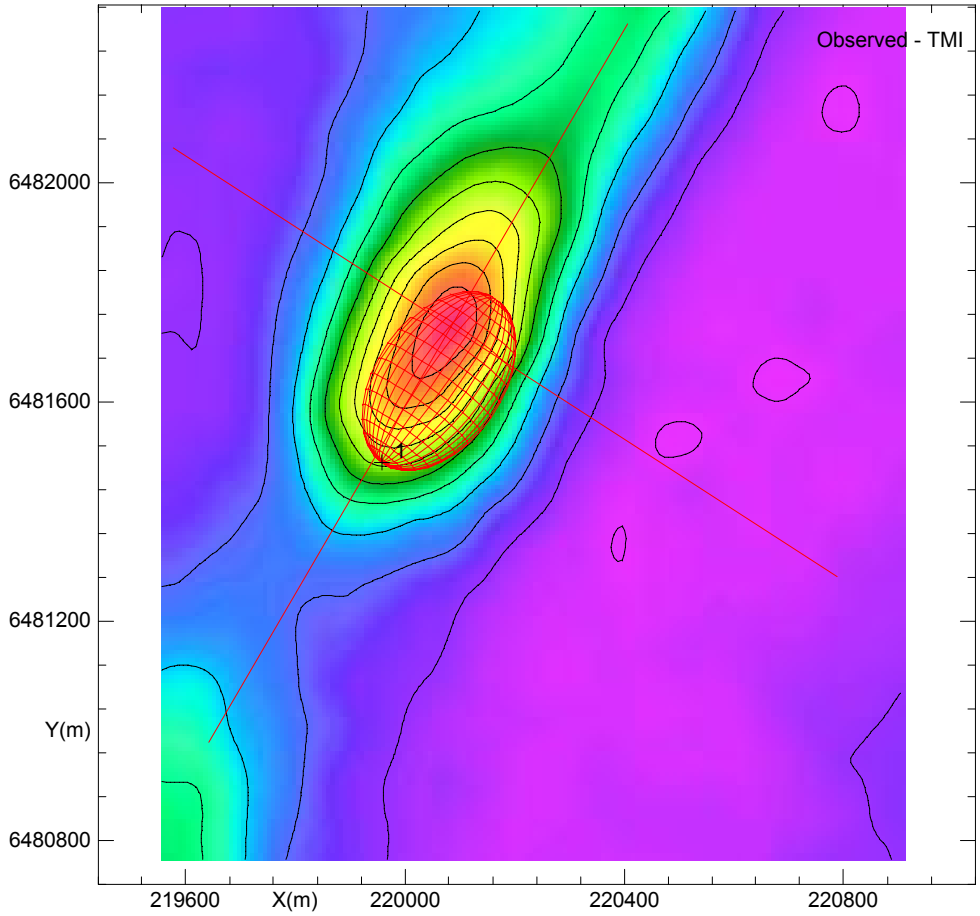
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219957.4	6481490.5	-280.2	-7.4	-76.9	-46.8	1.000	0.0204	163.878	233.849	367.919



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

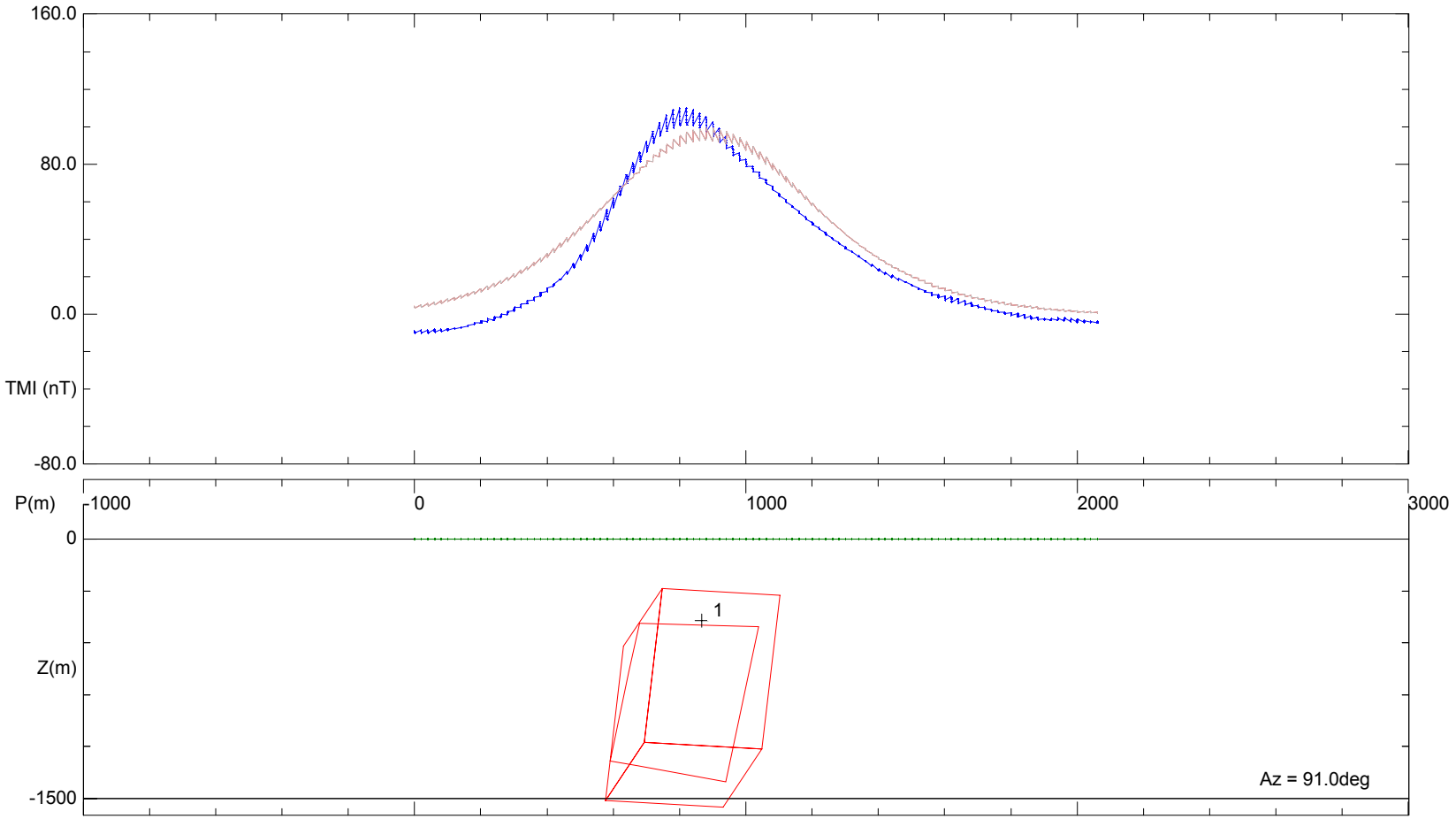
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219957.4	6481490.5	-280.2	-7.4	-76.9	-46.8	1.000	0.0204	163.878	233.849	367.919



Model Summary

IGRF : H = 58645; Az = 3.4; Inc = -65.5

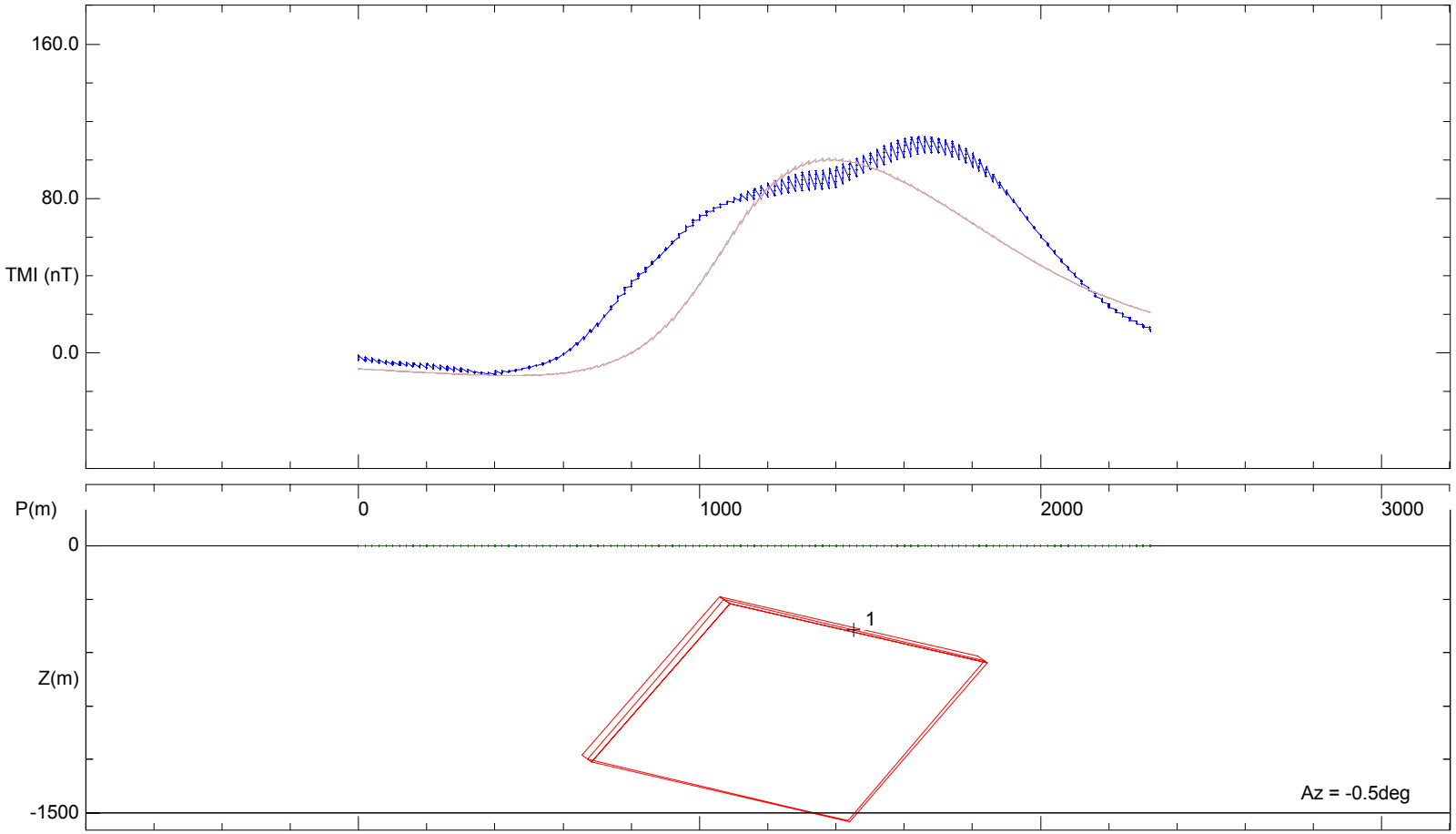
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219957.4	6481490.5	-280.2	-7.4	-76.9	-46.8	1.000	0.0204	163.878	233.849	367.919



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

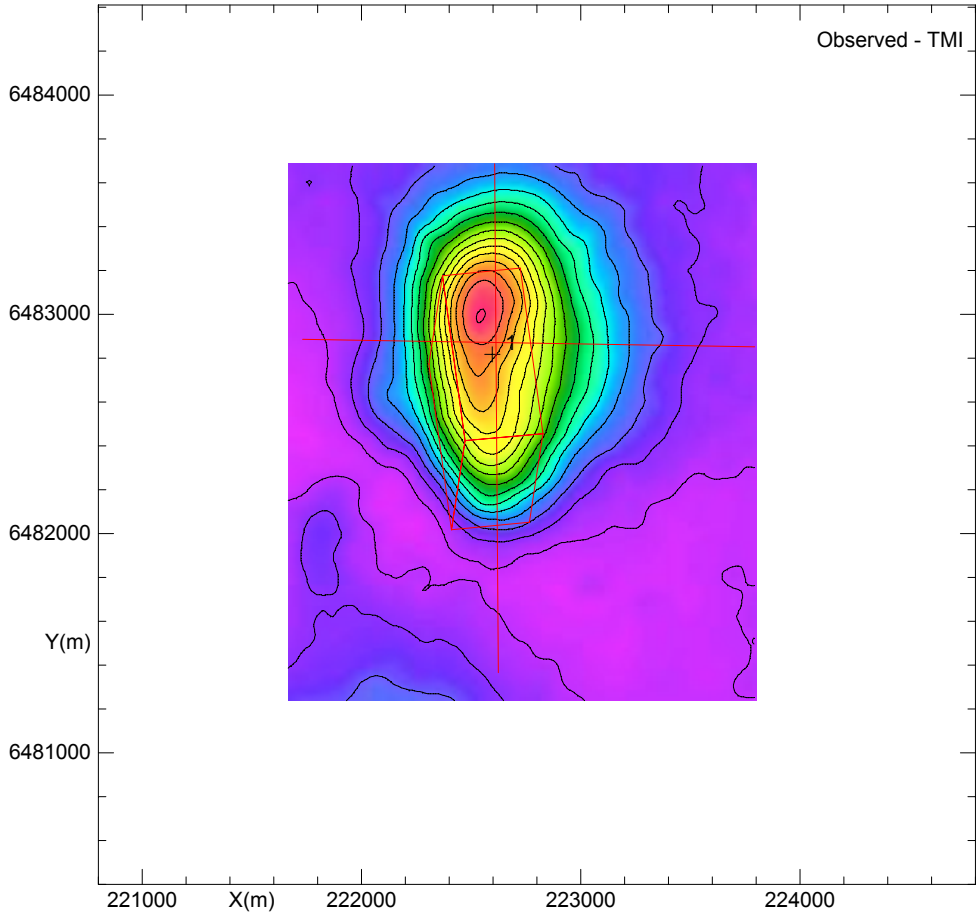
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		222599.2	6482817.9	-471.7	-5.1	6.2	23.9	1.000	0.0259	358.820	831.912	981.712



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

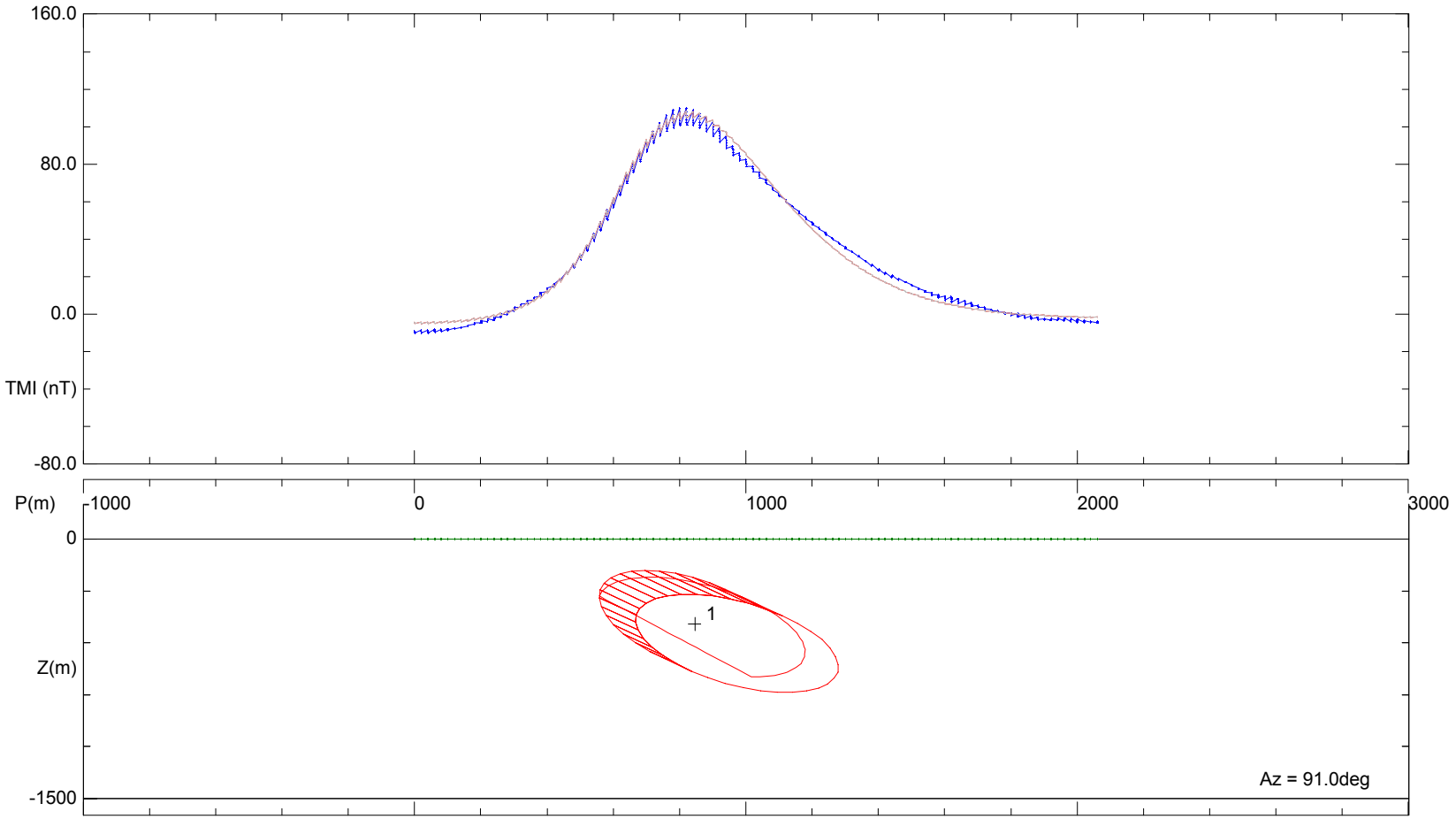
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		222599.2	6482817.9	-471.7	-5.1	6.2	23.9	1.000	0.0259	358.820	831.912	981.712



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

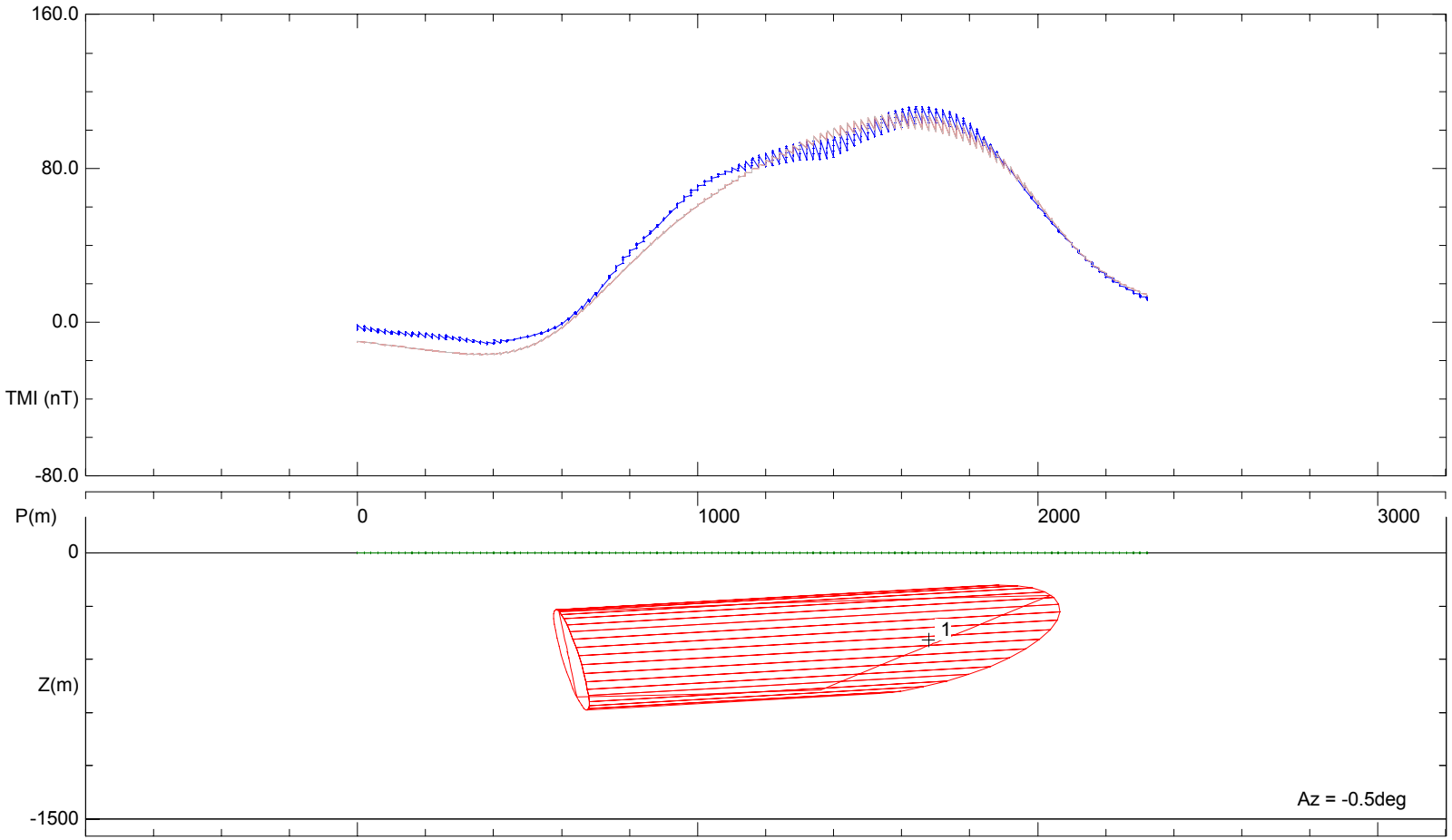
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		222599.2	6482817.9	-471.7	-5.1	6.2	23.9	1.000	0.0259	358.820	831.912	981.712



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

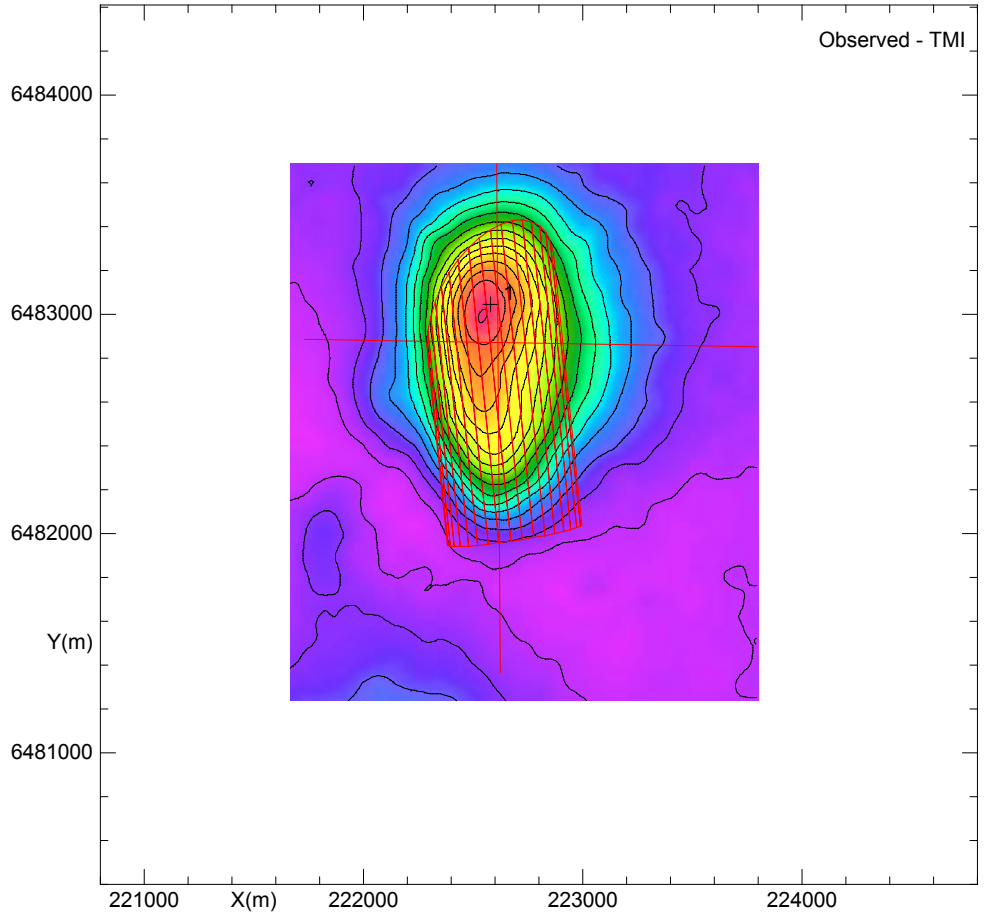
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222582.1	6483046.3	-490.3	1.3	-49.4	80.6	1.000	0.0151	422.965	729.712	1062.037	208.493



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

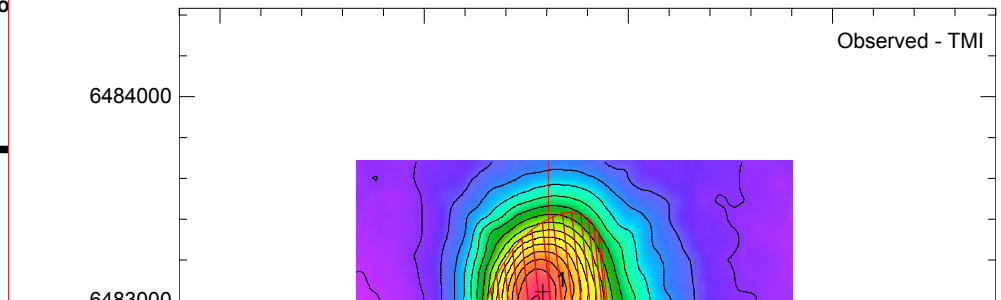
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222582.1	6483046.3	-490.3	1.3	-49.4	80.6	1.000	0.0151	422.965	729.712	1062.037	208.493

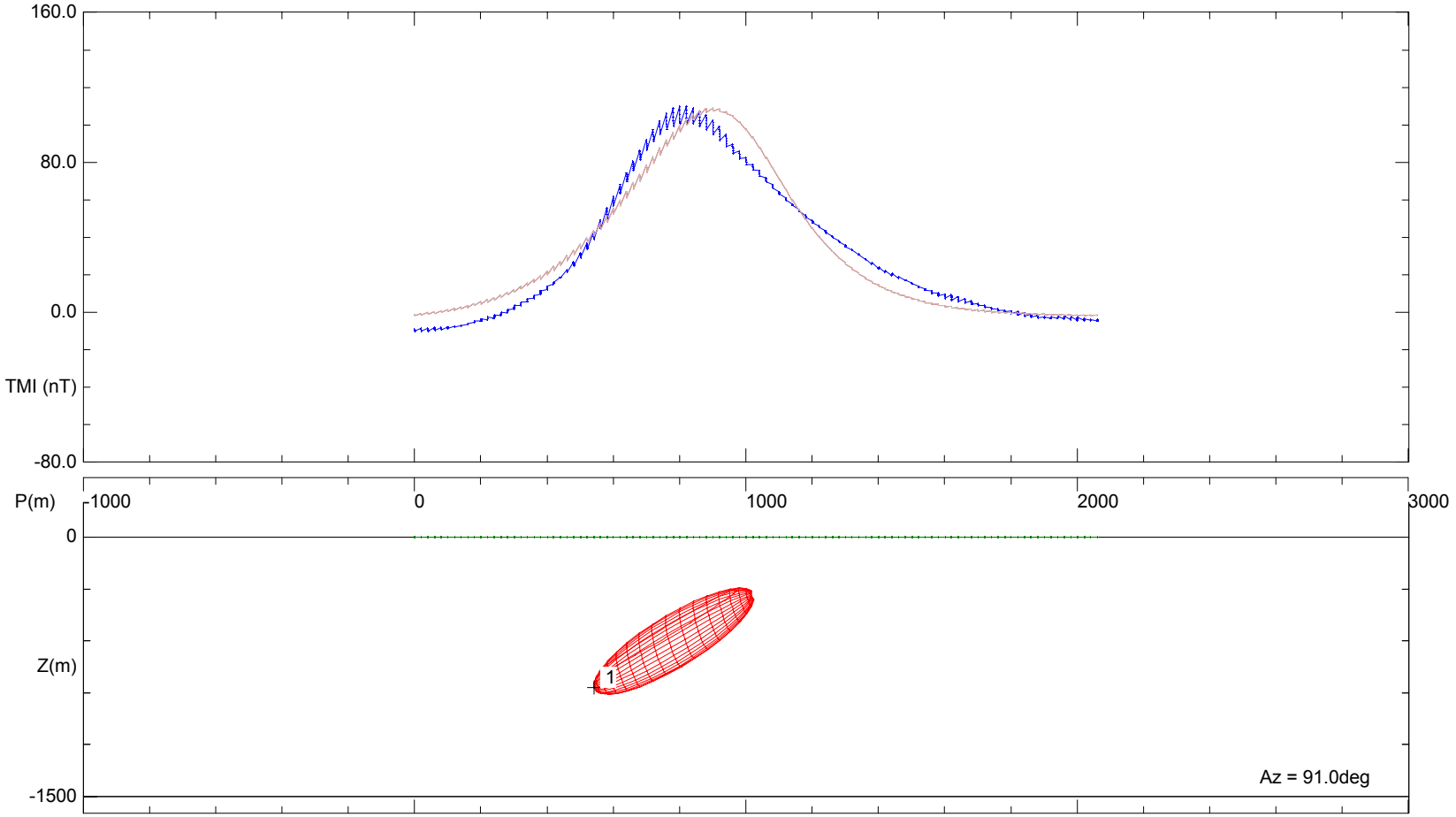


Model Summary

IGRF : H = 57785; Az =

Body Type	Descriptio
1 Cylinder	

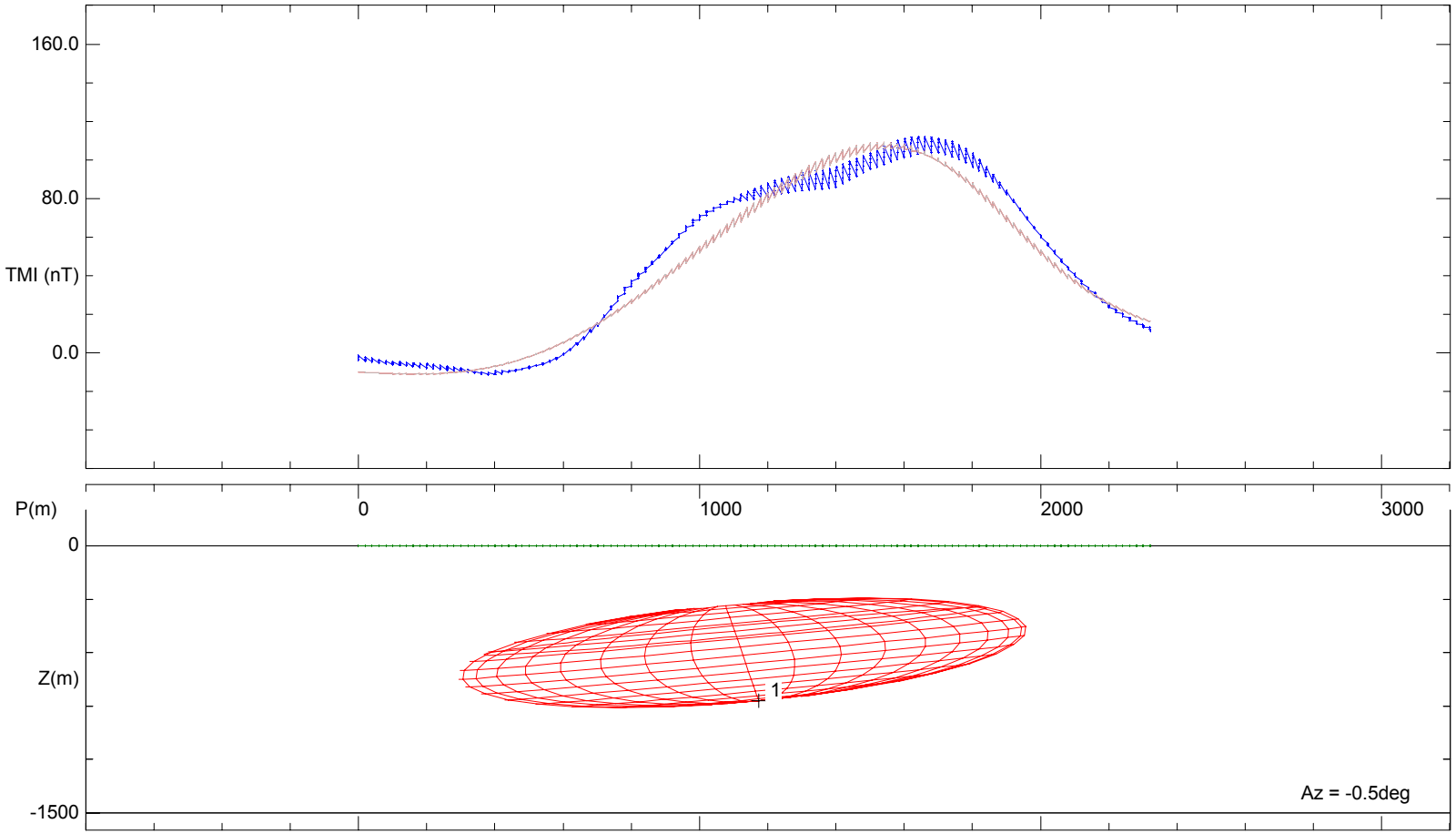




Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

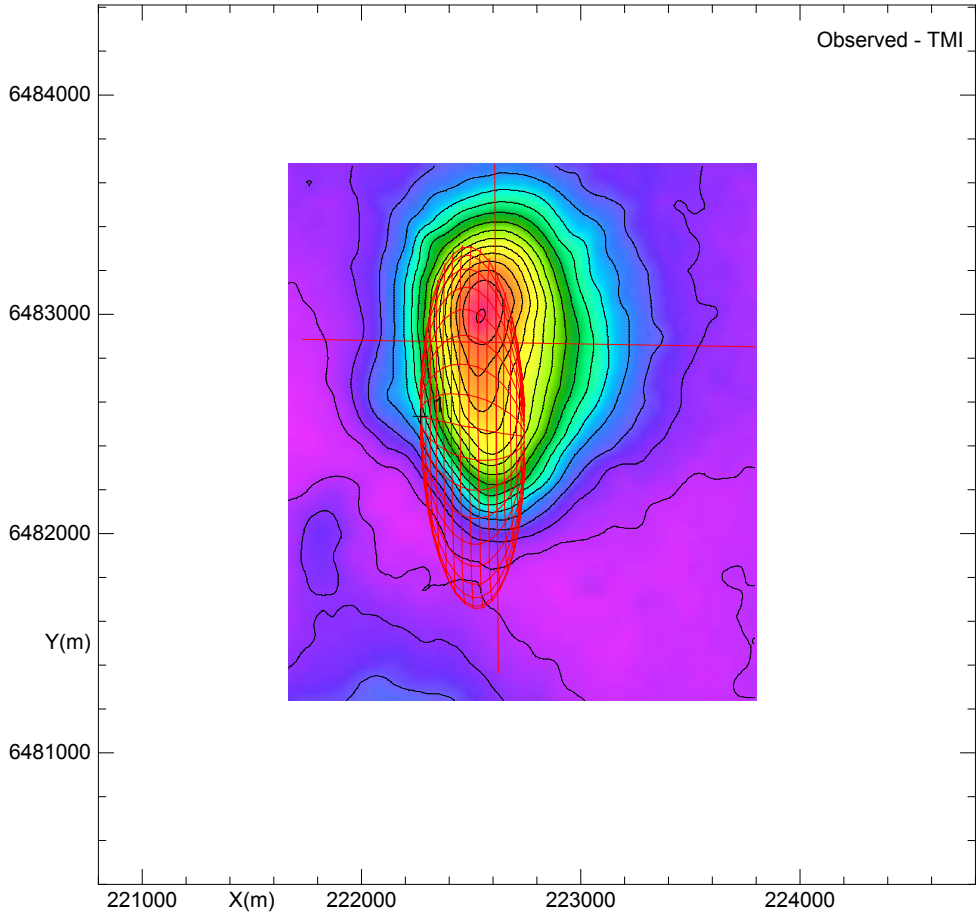
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222269.7	6482536.8	-871.1	-9.1	-139.7	13.3	1.000	0.1665	44.965	1688.677	428.466



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

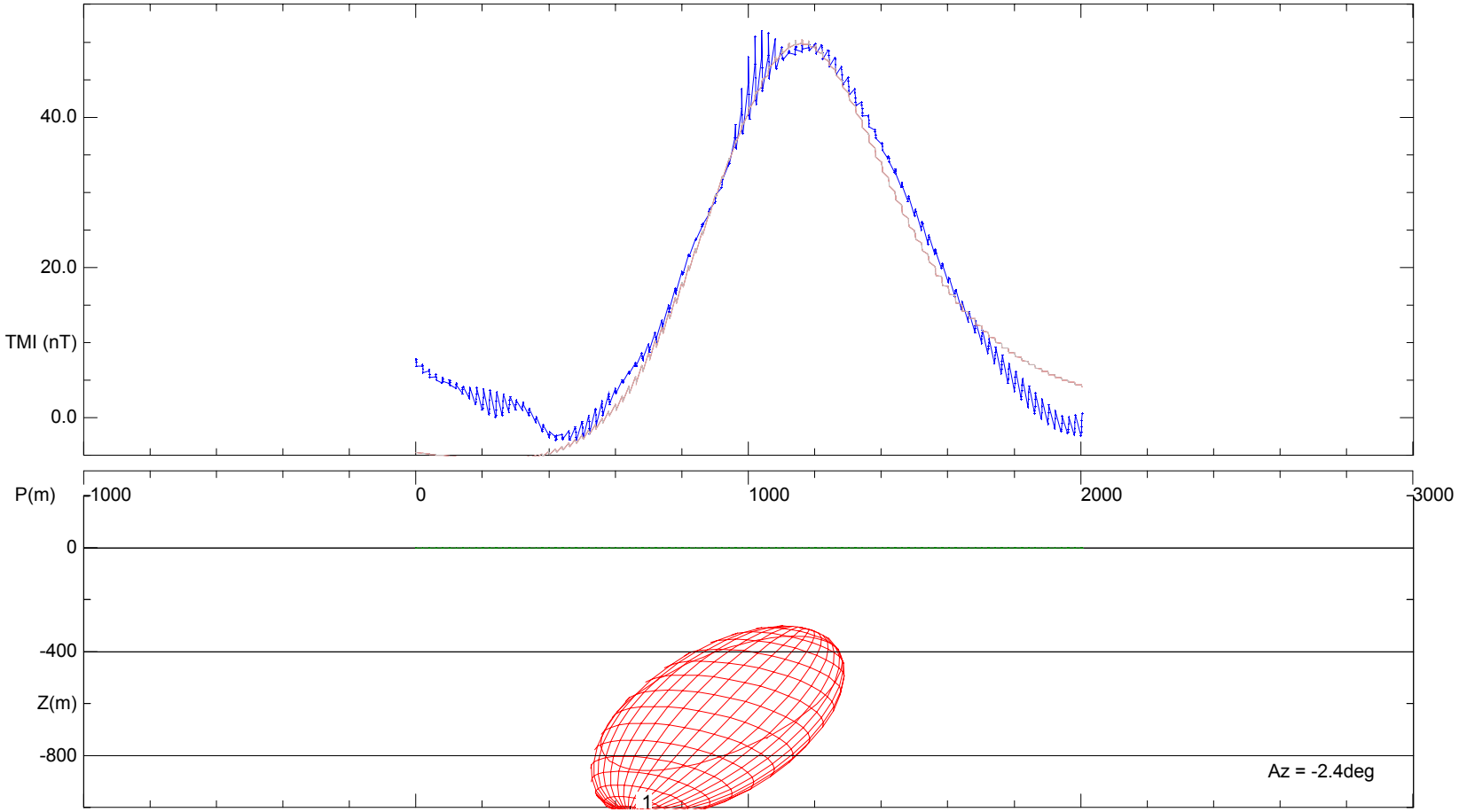
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222269.7	6482536.8	-871.1	-9.1	-139.7	13.3	1.000	0.1665	44.965	1688.677	428.466



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

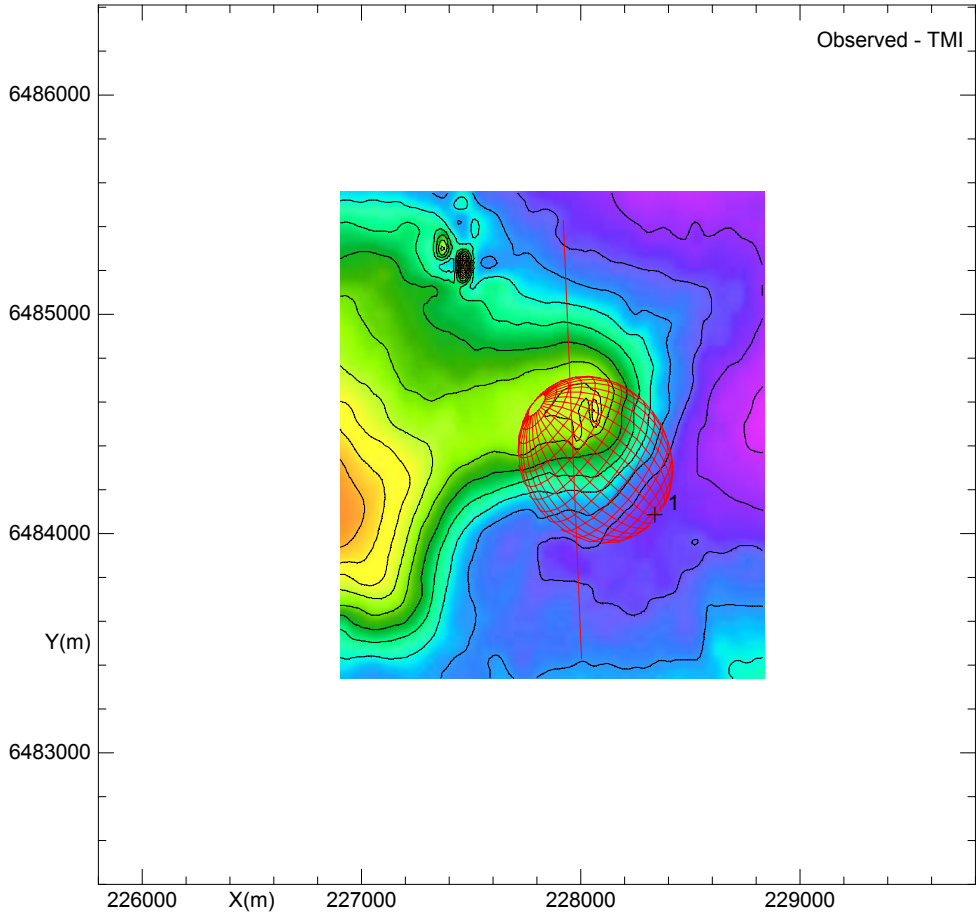
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		222269.7	6482536.8	-871.1	-9.1	-139.7	13.3	1.000	0.1665	44.965	1688.677	428.466



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

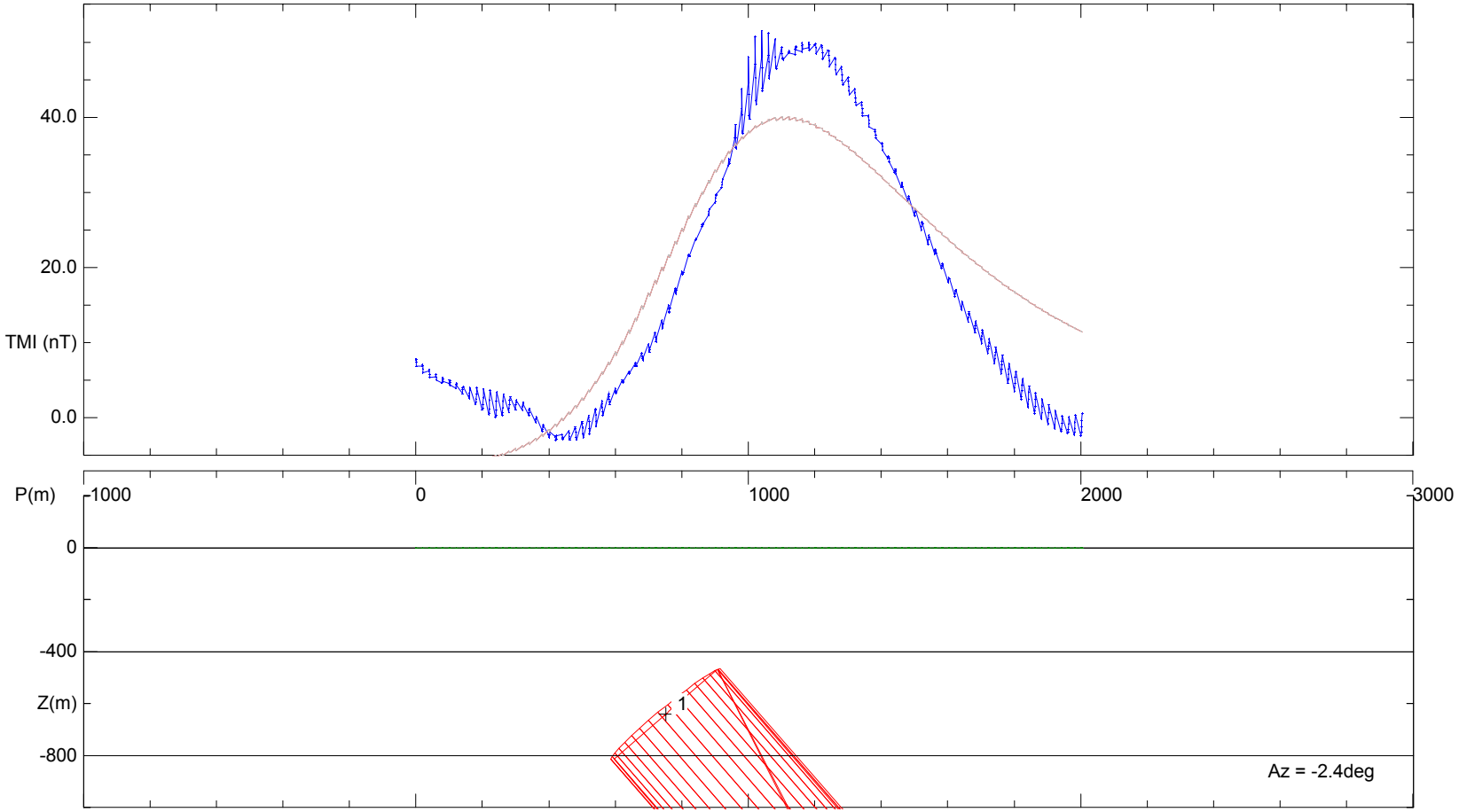
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228338.5	6484086.8	-1021.0	29.0	134.3	-10.0	1.000	0.0149	322.777	700.210	1018.024



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

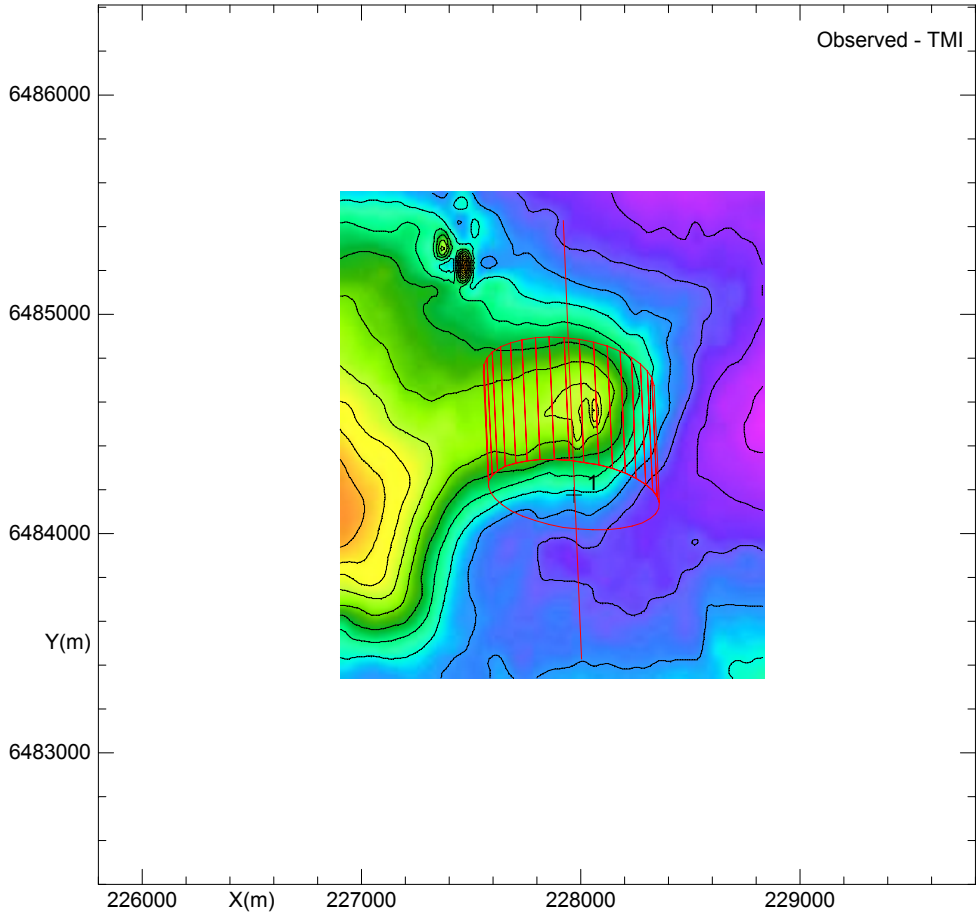
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228338.5	6484086.8	-1021.0	29.0	134.3	-10.0	1.000	0.0149	322.777	700.210	1018.024



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

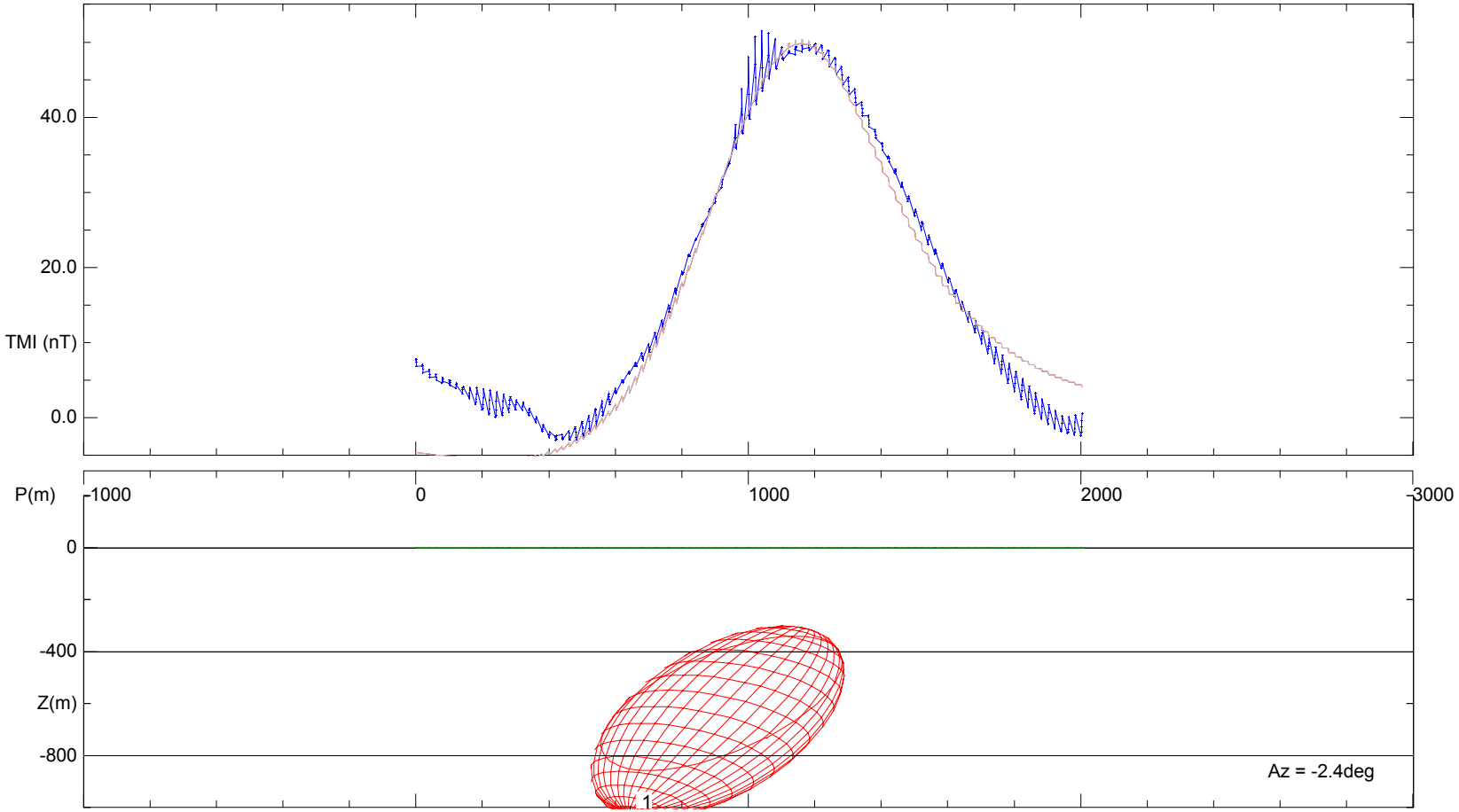
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		227969.9	6484179.0	-640.4	-75.7	-33.0	-9.3	1.000	0.0185	442.618	791.540	942.945	75.641



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

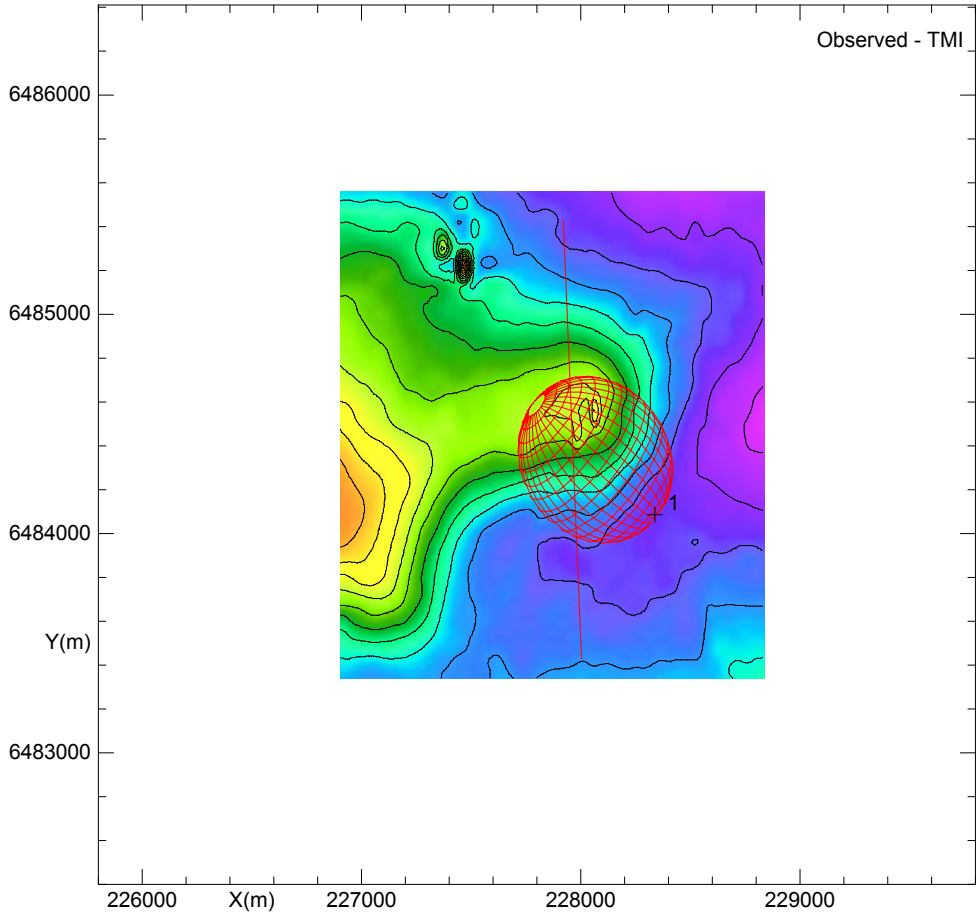
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		227969.9	6484179.0	-640.4	-75.7	-33.0	-9.3	1.000	0.0185	442.618	791.540	942.945	75.641



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

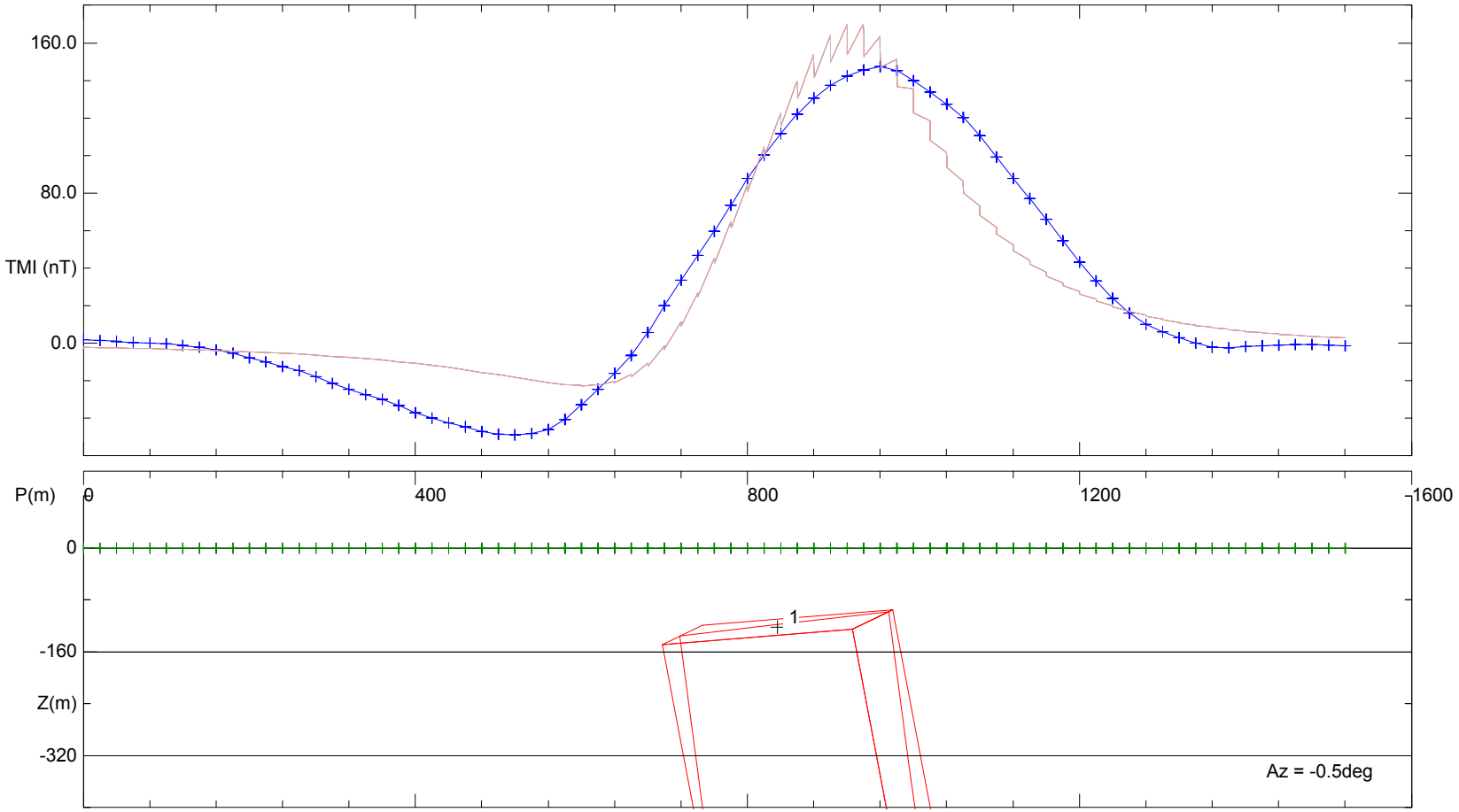
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228338.5	6484086.8	-1021.0	29.0	134.3	-10.0	1.000	0.0149	322.777	700.210	1018.024



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

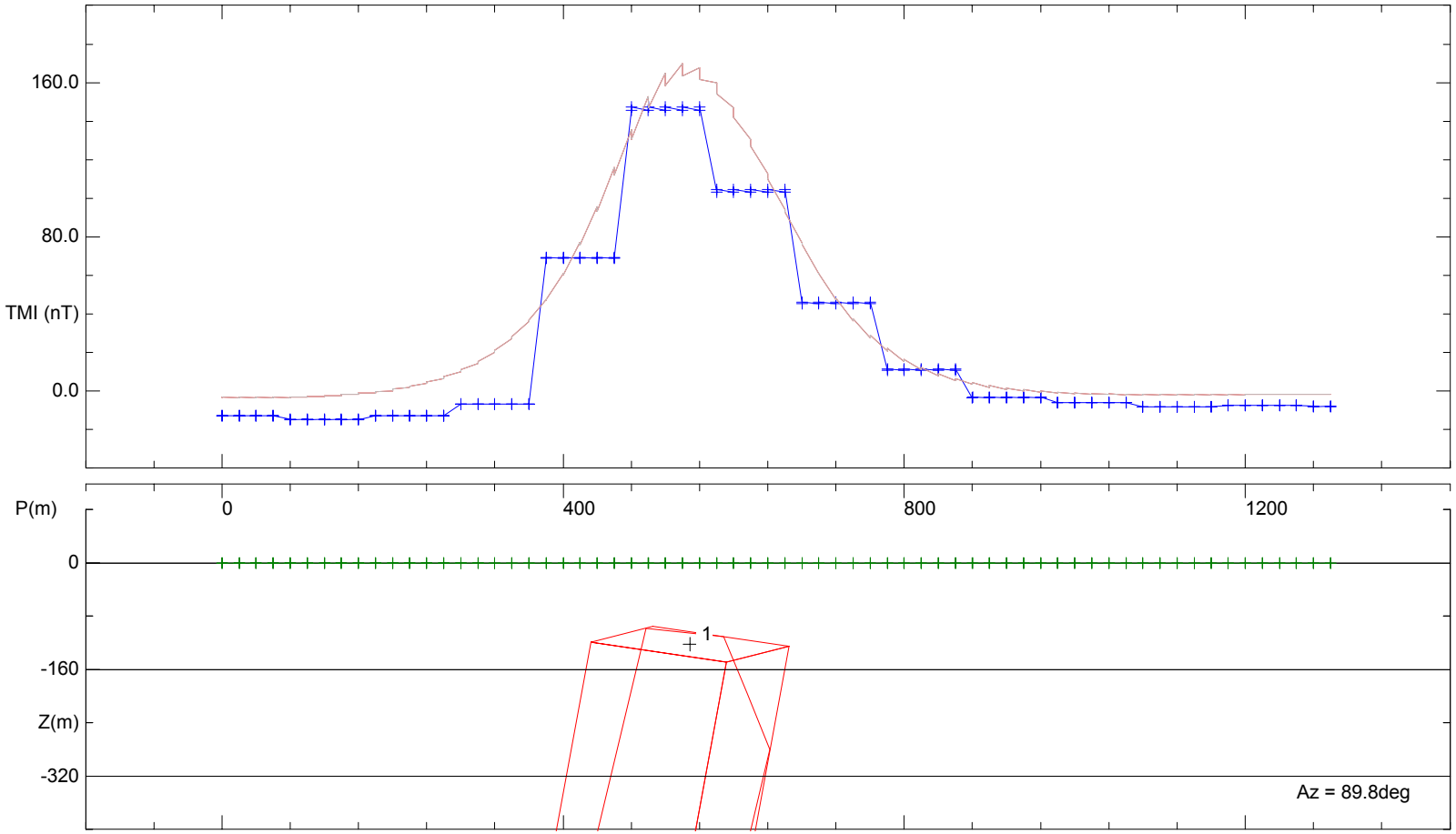
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228338.5	6484086.8	-1021.0	29.0	134.3	-10.0	1.000	0.0149	322.777	700.210	1018.024



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

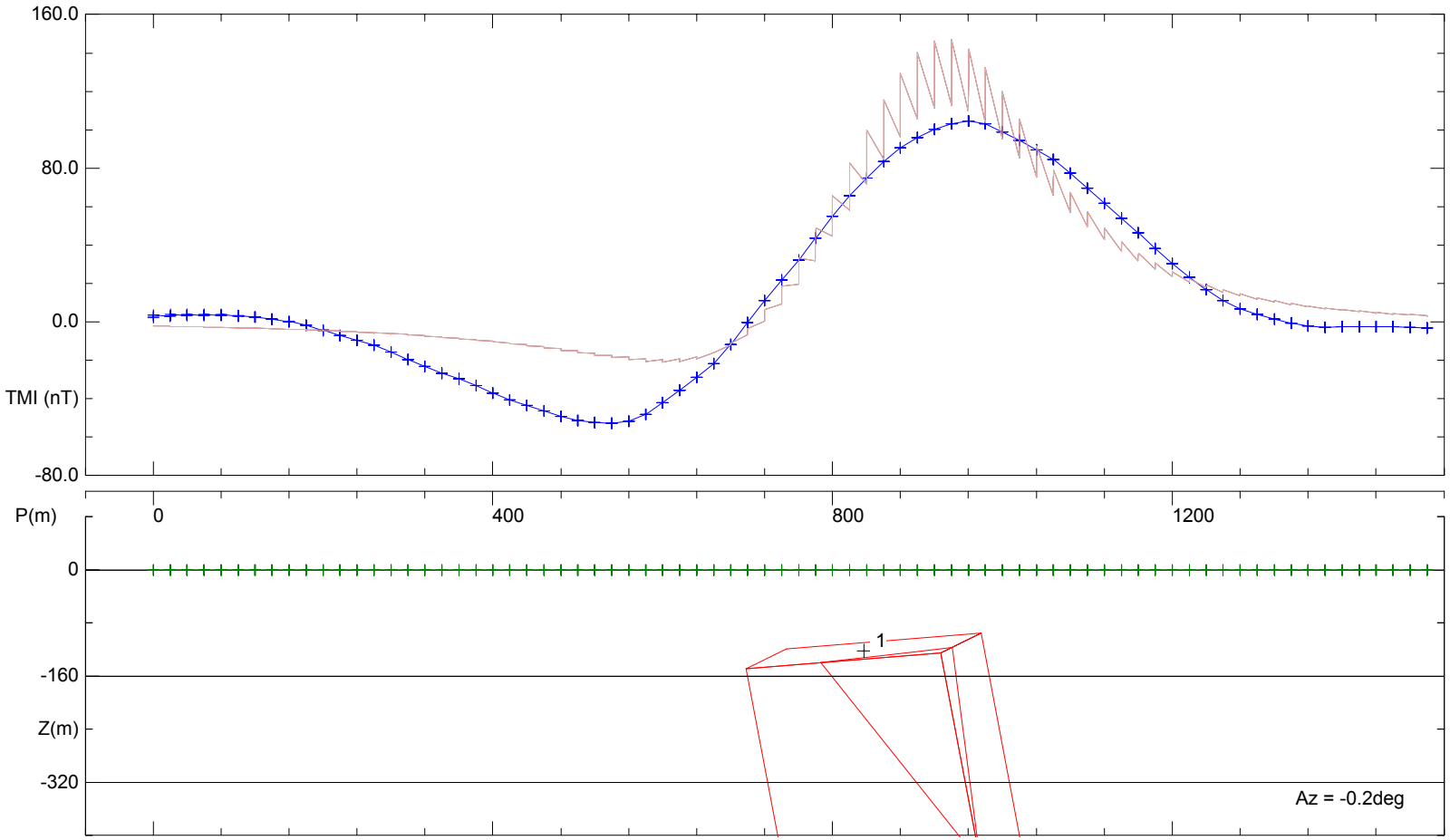
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		228779.6	6475275.0	-121.8	16.4	10.1	-5.7	1.000	0.0275	169.049	241.929	328.654



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

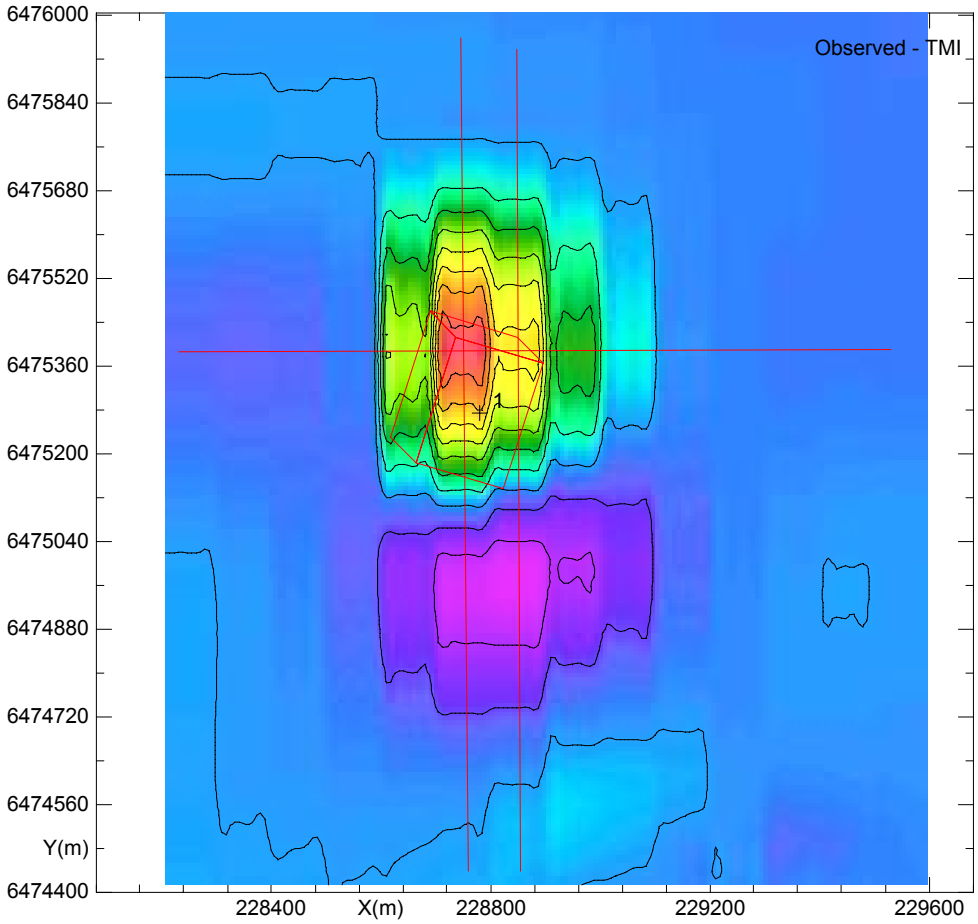
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		228779.6	6475275.0	-121.8	16.4	10.1	-5.7	1.000	0.0275	169.049	241.929	328.654



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

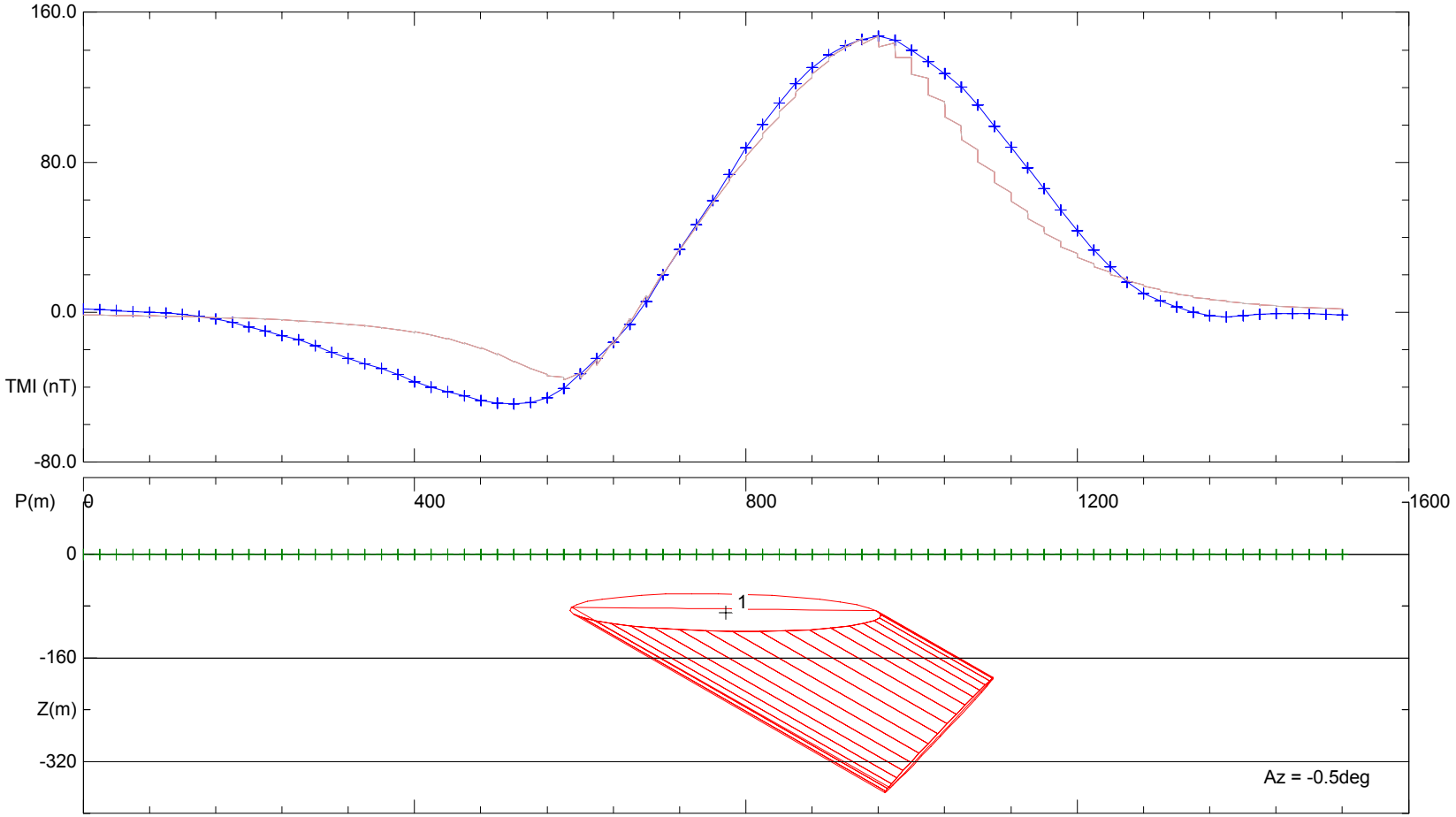
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		228779.6	6475275.0	-121.8	16.4	10.1	-5.7	1.000	0.0275	169.049	241.929	328.654



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

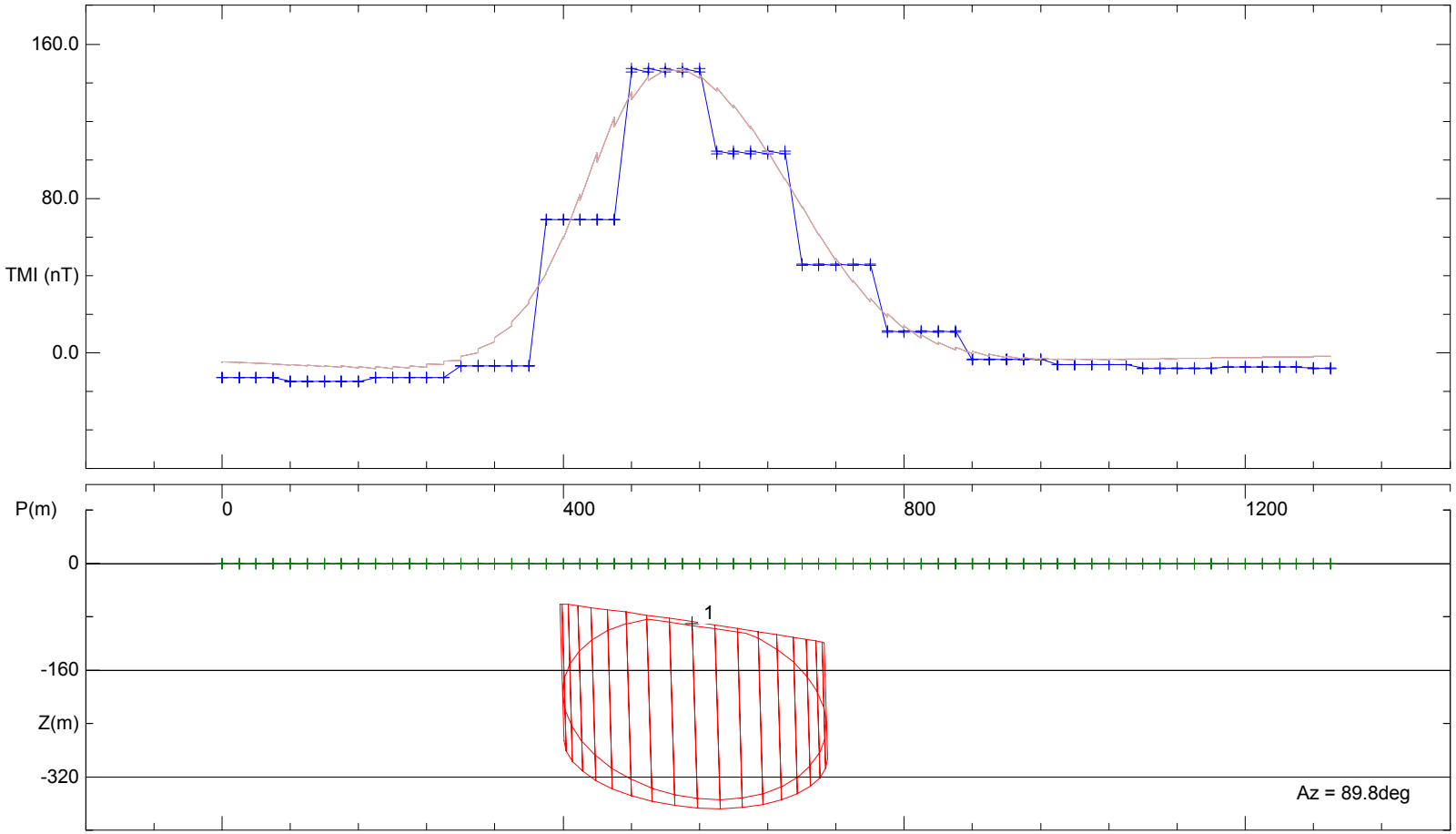
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		228779.6	6475275.0	-121.8	16.4	10.1	-5.7	1.000	0.0275	169.049	241.929	328.654



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

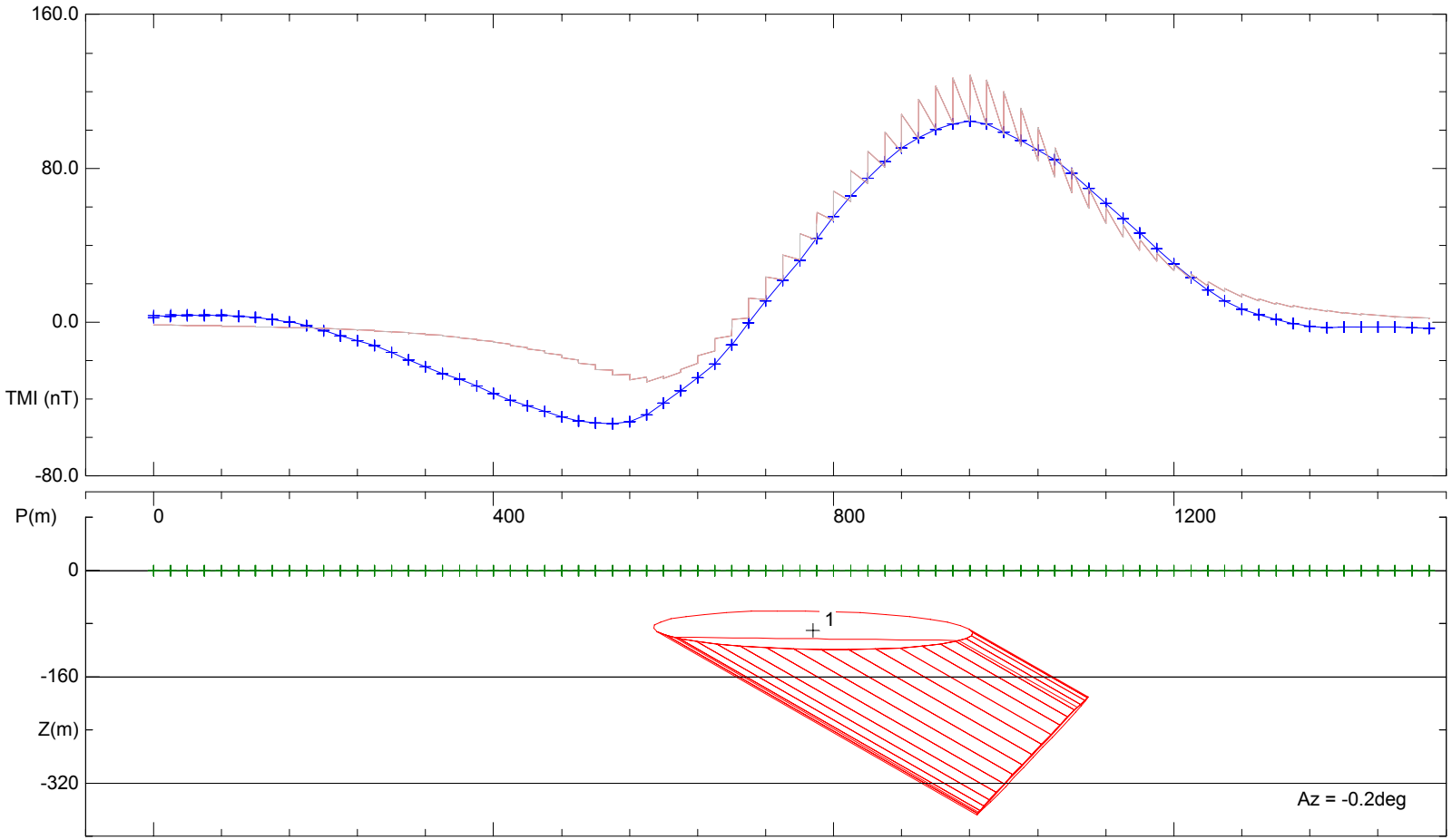
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		228782.5	6475214.3	-89.7	-68.2	-51.9	-16.9	1.000	0.0149	213.464	313.459	319.868	145.516



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

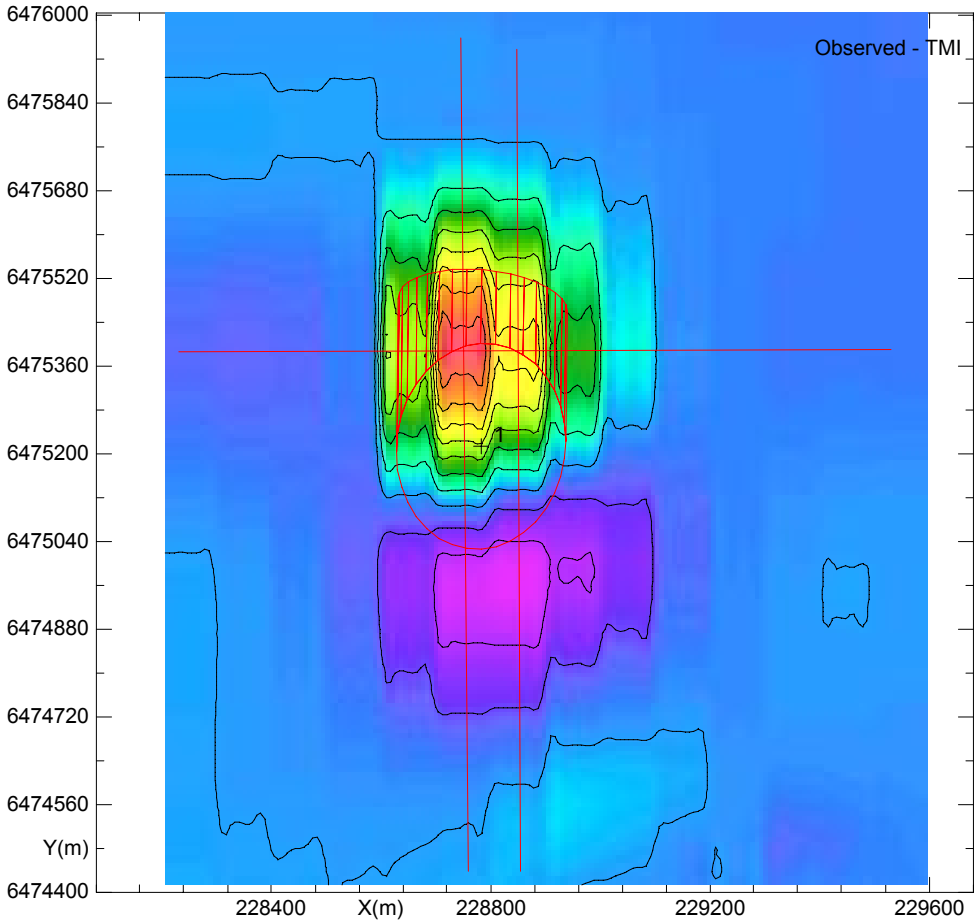
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		228782.5	6475214.3	-89.7	-68.2	-51.9	-16.9	1.000	0.0149	213.464	313.459	319.868	145.516



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

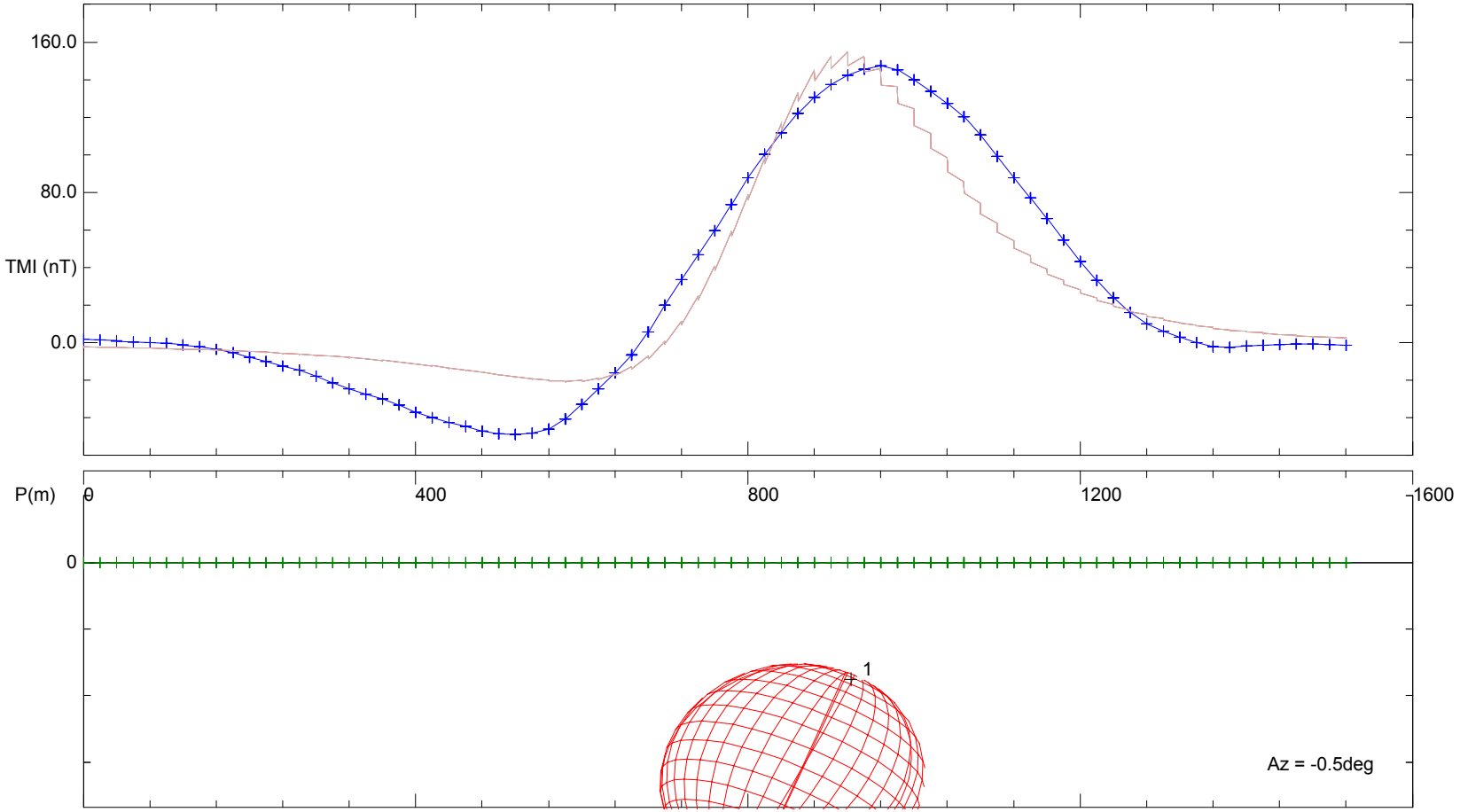
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		228782.5	6475214.3	-89.7	-68.2	-51.9	-16.9	1.000	0.0149	213.464	313.459	319.868	145.516



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

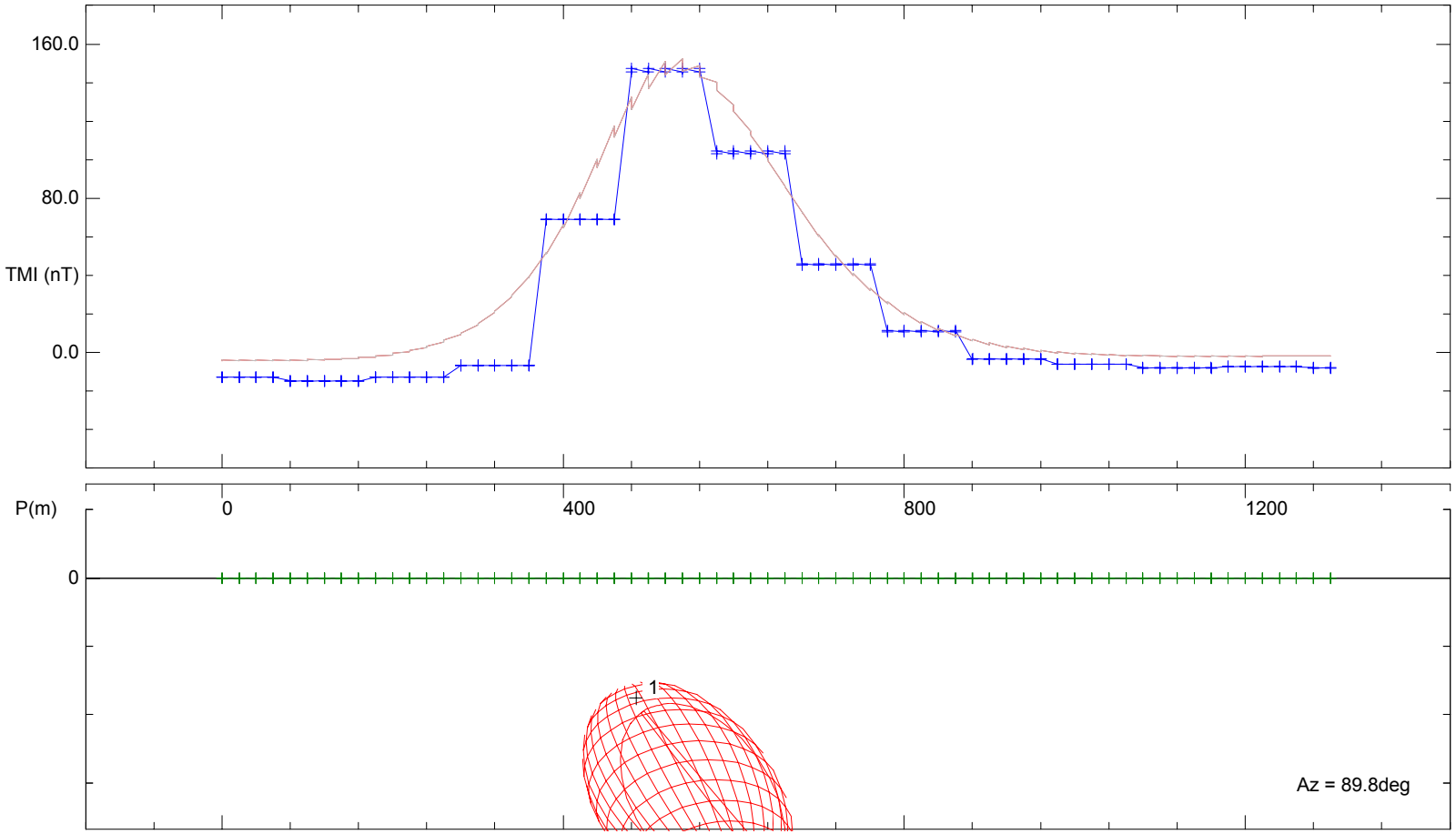
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		228782.5	6475214.3	-89.7	-68.2	-51.9	-16.9	1.000	0.0149	213.464	313.459	319.868	145.516



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

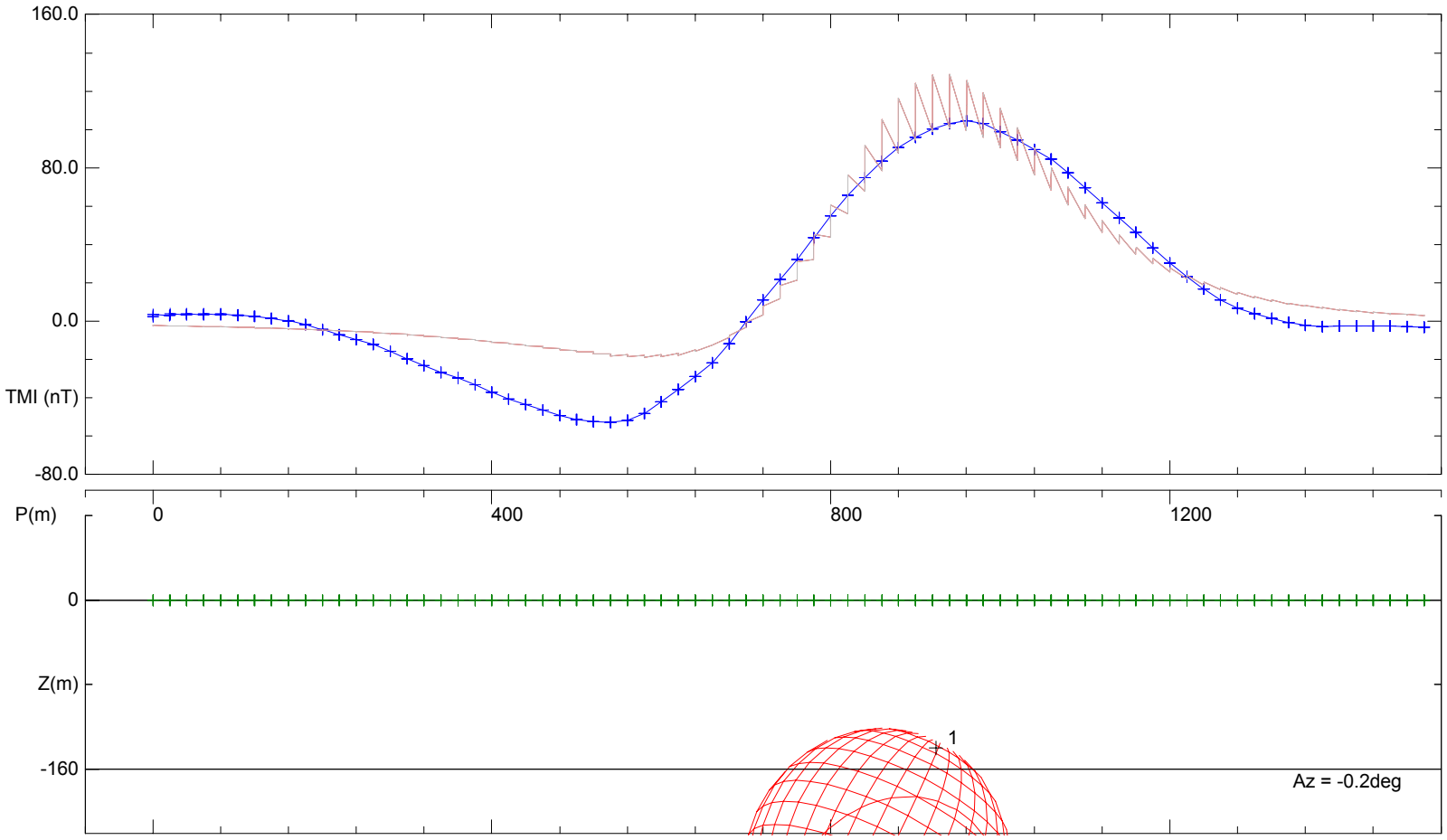
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228716.8	6475362.4	-140.5	-62.3	15.5	34.9	1.000	0.0341	331.559	196.725	304.070



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

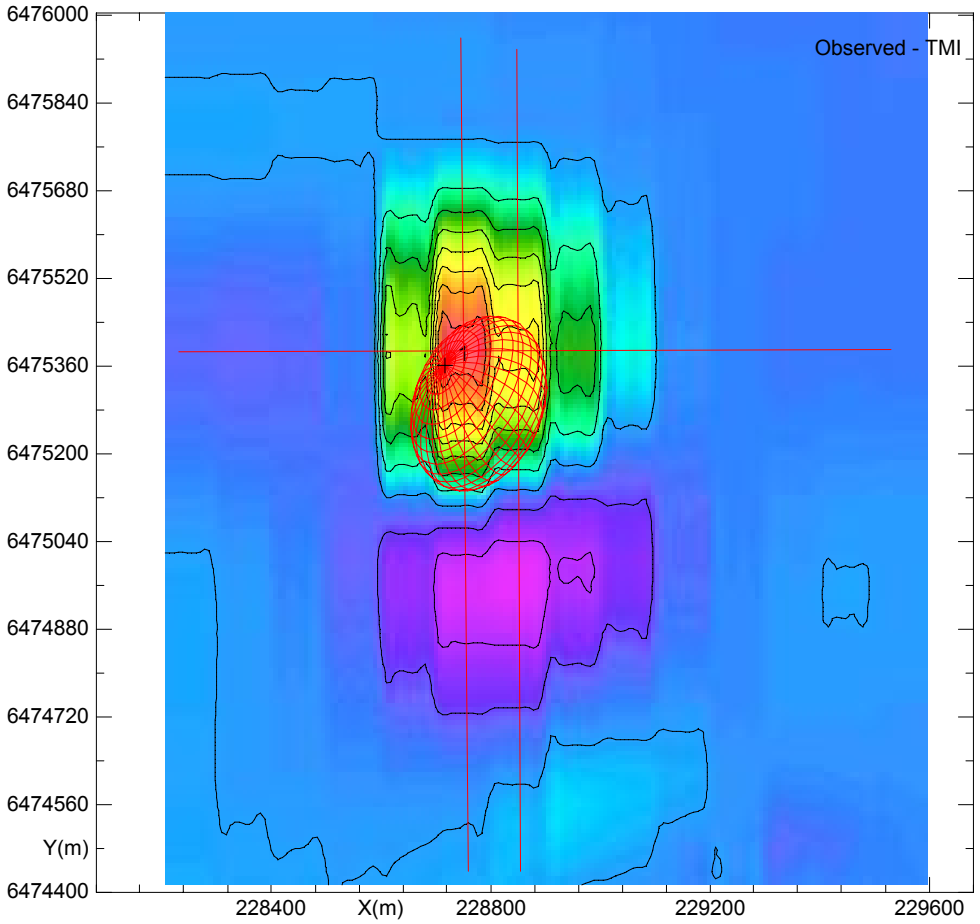
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228716.8	6475362.4	-140.5	-62.3	15.5	34.9	1.000	0.0341	331.559	196.725	304.070



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

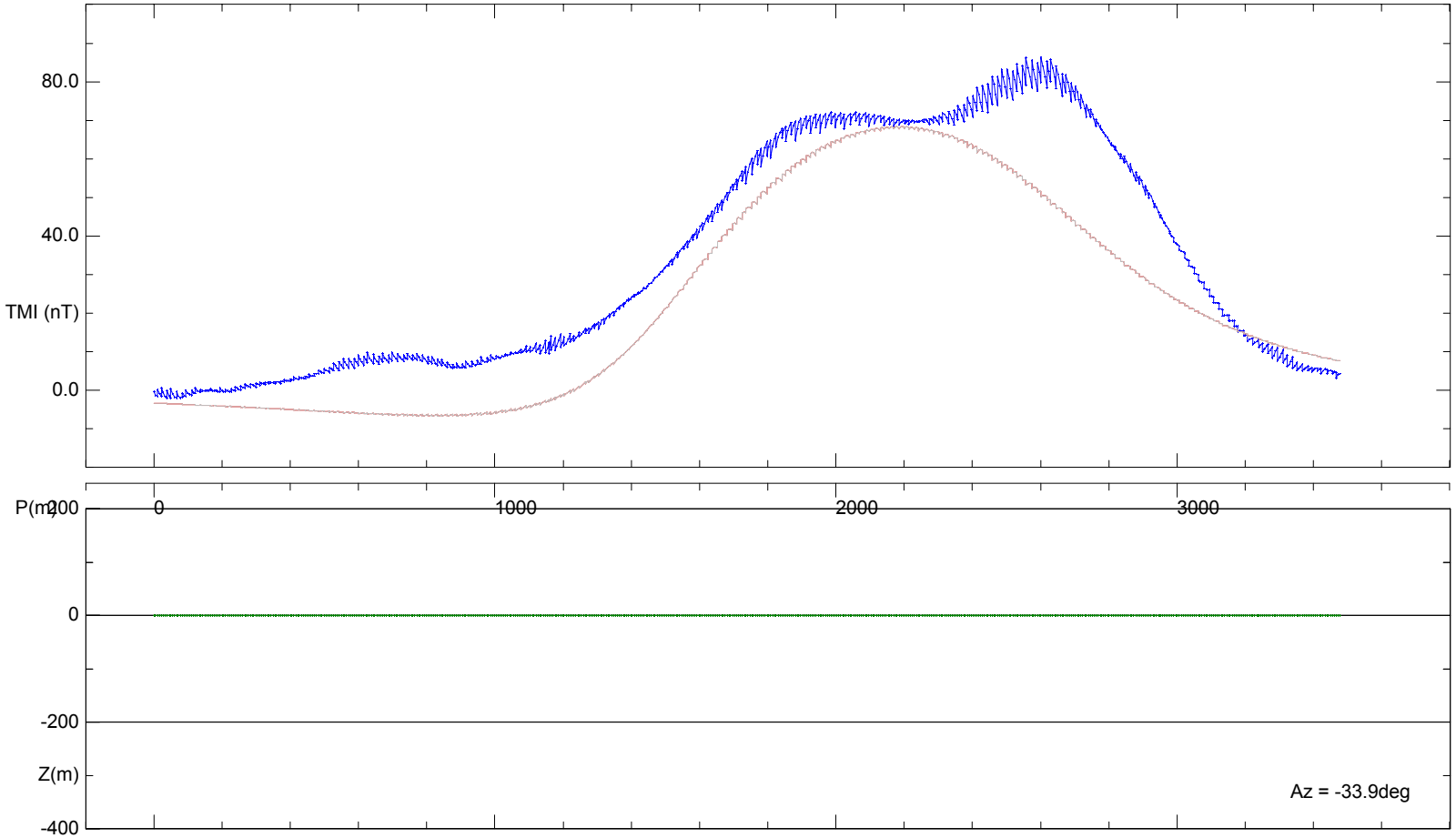
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228716.8	6475362.4	-140.5	-62.3	15.5	34.9	1.000	0.0341	331.559	196.725	304.070



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

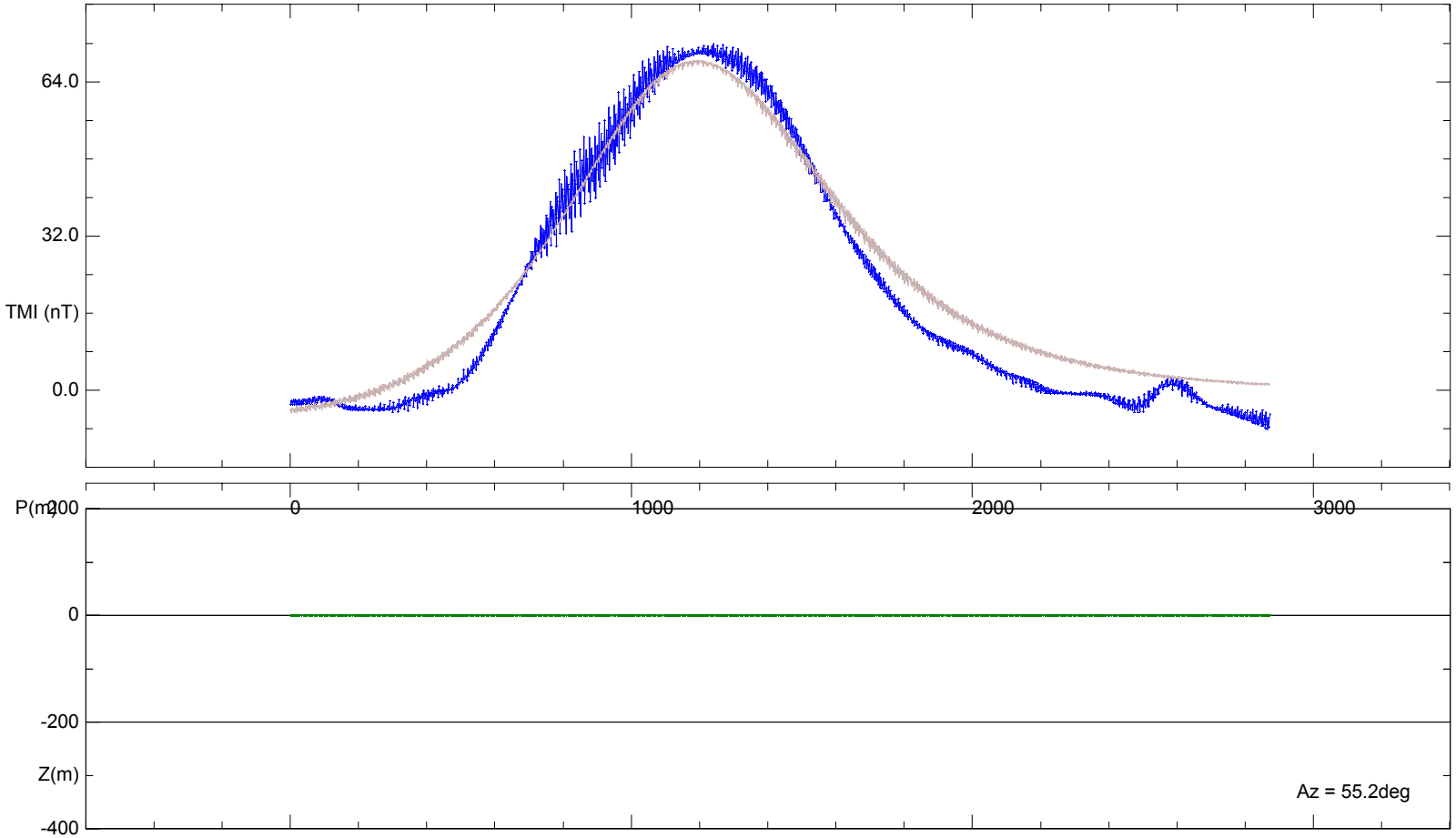
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		228716.8	6475362.4	-140.5	-62.3	15.5	34.9	1.000	0.0341	331.559	196.725	304.070



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

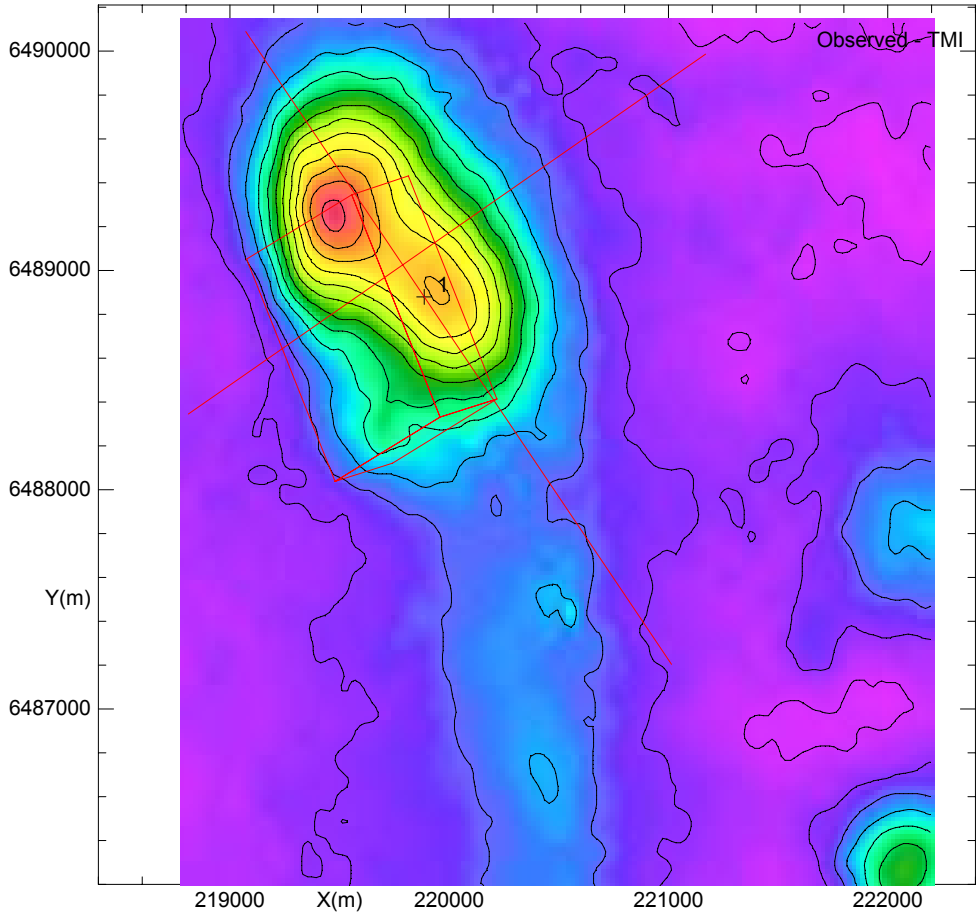
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219888.3	6488882.2	-549.6	-18.0	31.3	7.1	1.000	0.0234	320.091	1098.674	1056.839



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

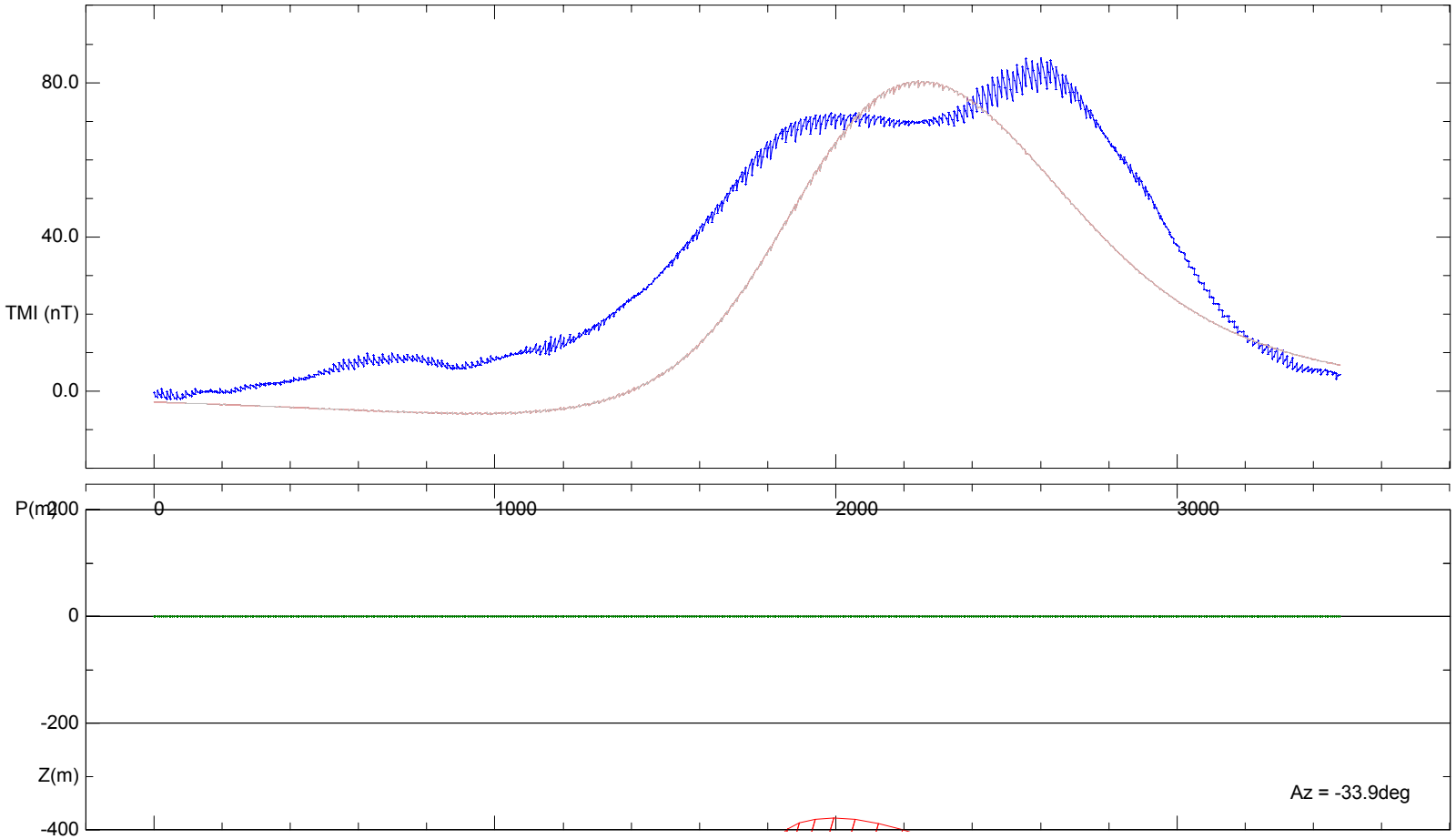
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219888.3	6488882.2	-549.6	-18.0	31.3	7.1	1.000	0.0234	320.091	1098.674	1056.839



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

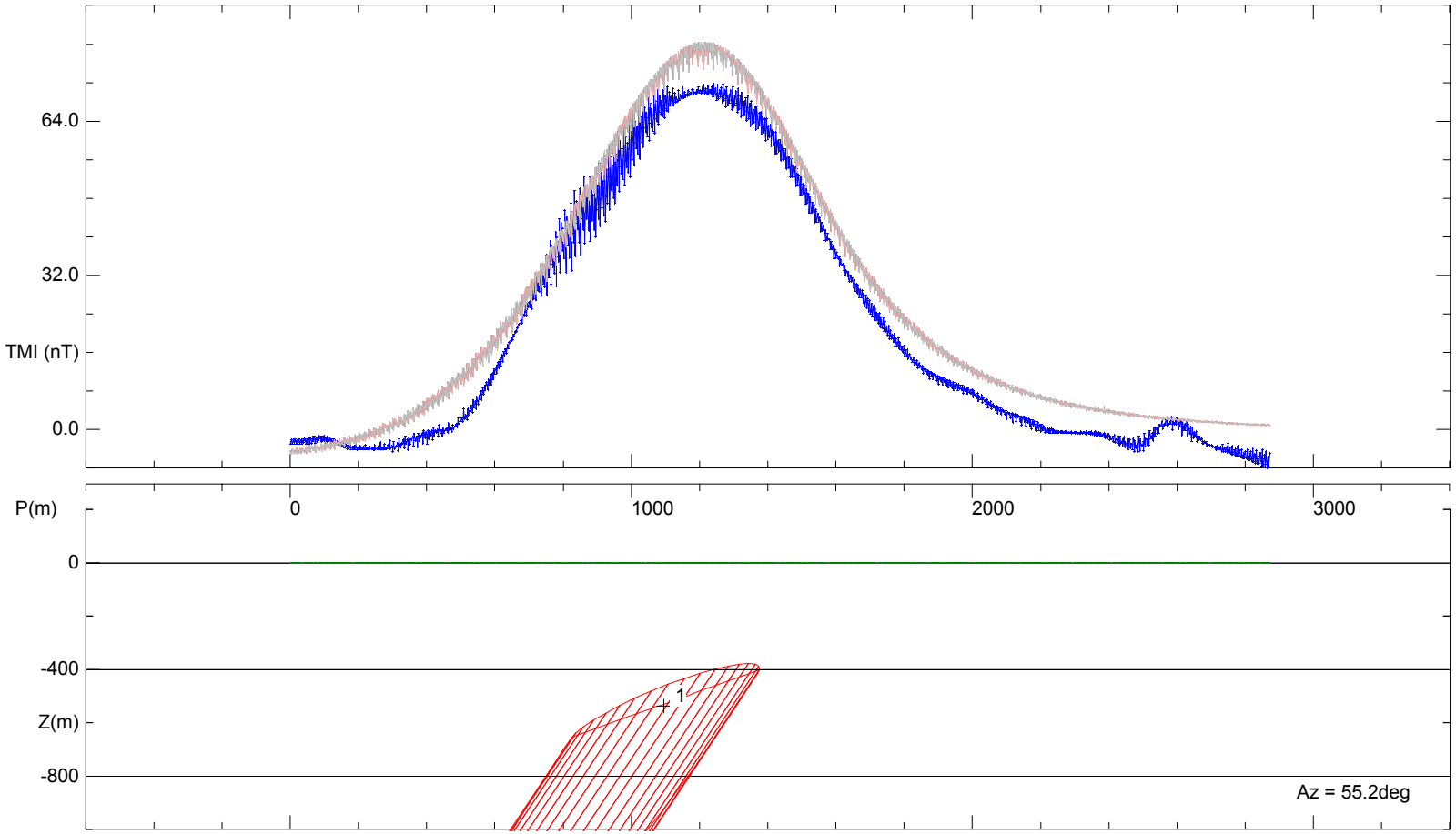
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219888.3	6488882.2	-549.6	-18.0	31.3	7.1	1.000	0.0234	320.091	1098.674	1056.839



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		219688.0	6489010.5	-536.5	-40.1	29.0	18.8	1.000	0.0290	369.324	876.659	1050.386	38.816



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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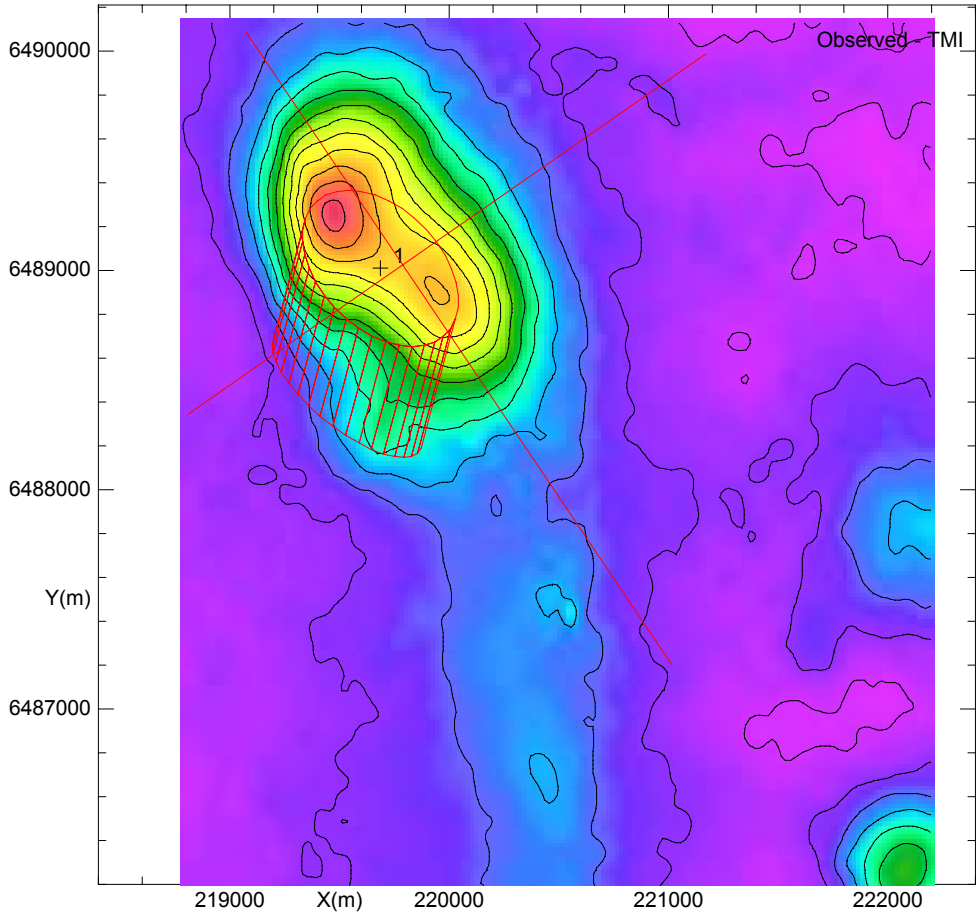
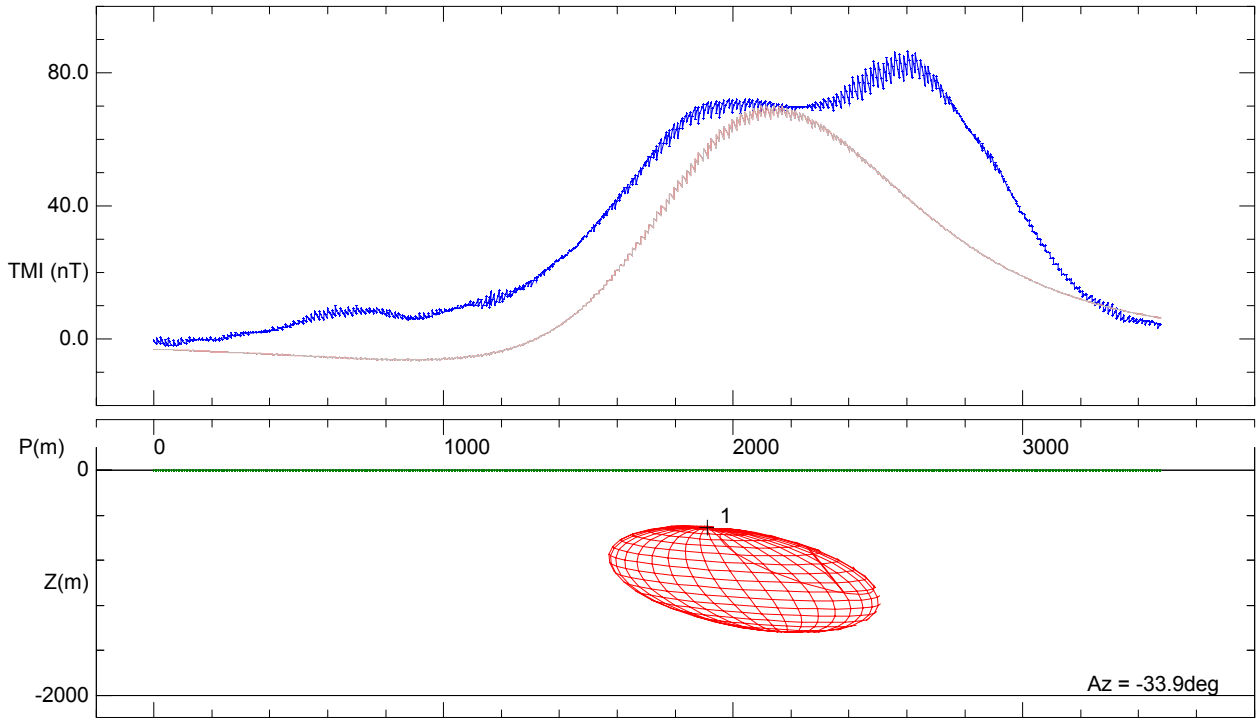


Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

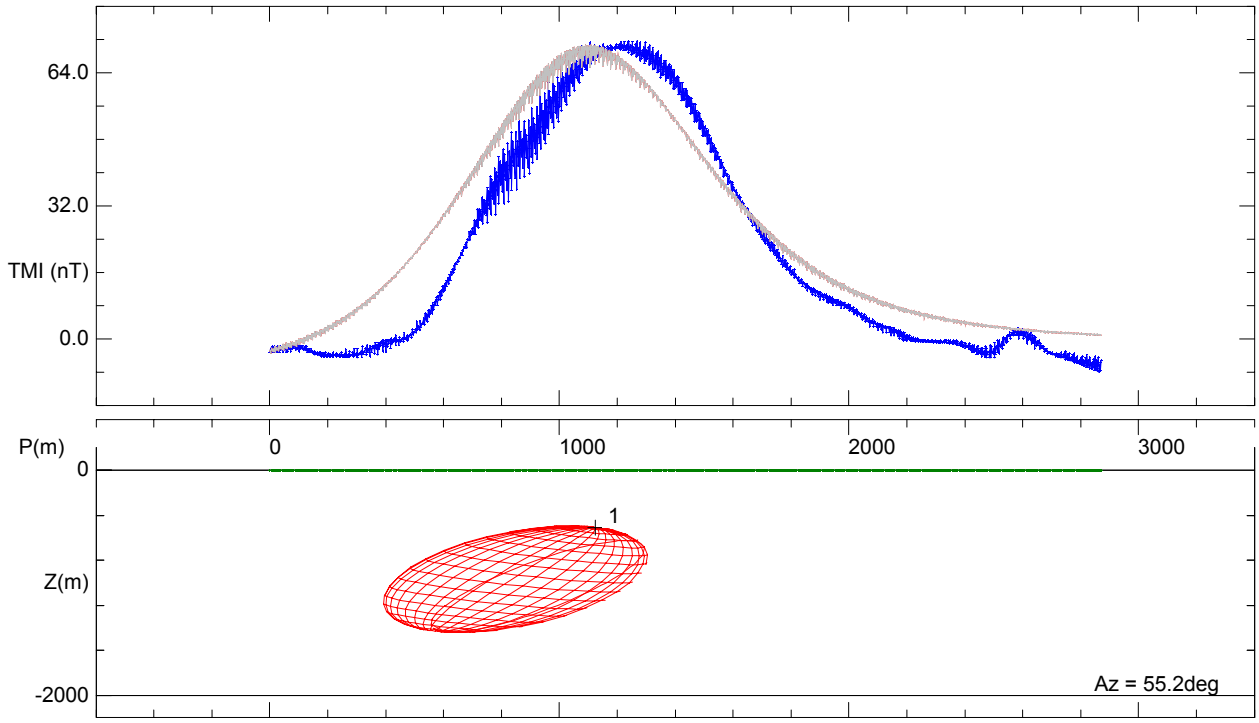
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		219688.0	6489010.5	-536.5	-40.1	29.0	18.8	1.000	0.0290	369.324	876.659	1050.386	38.816



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

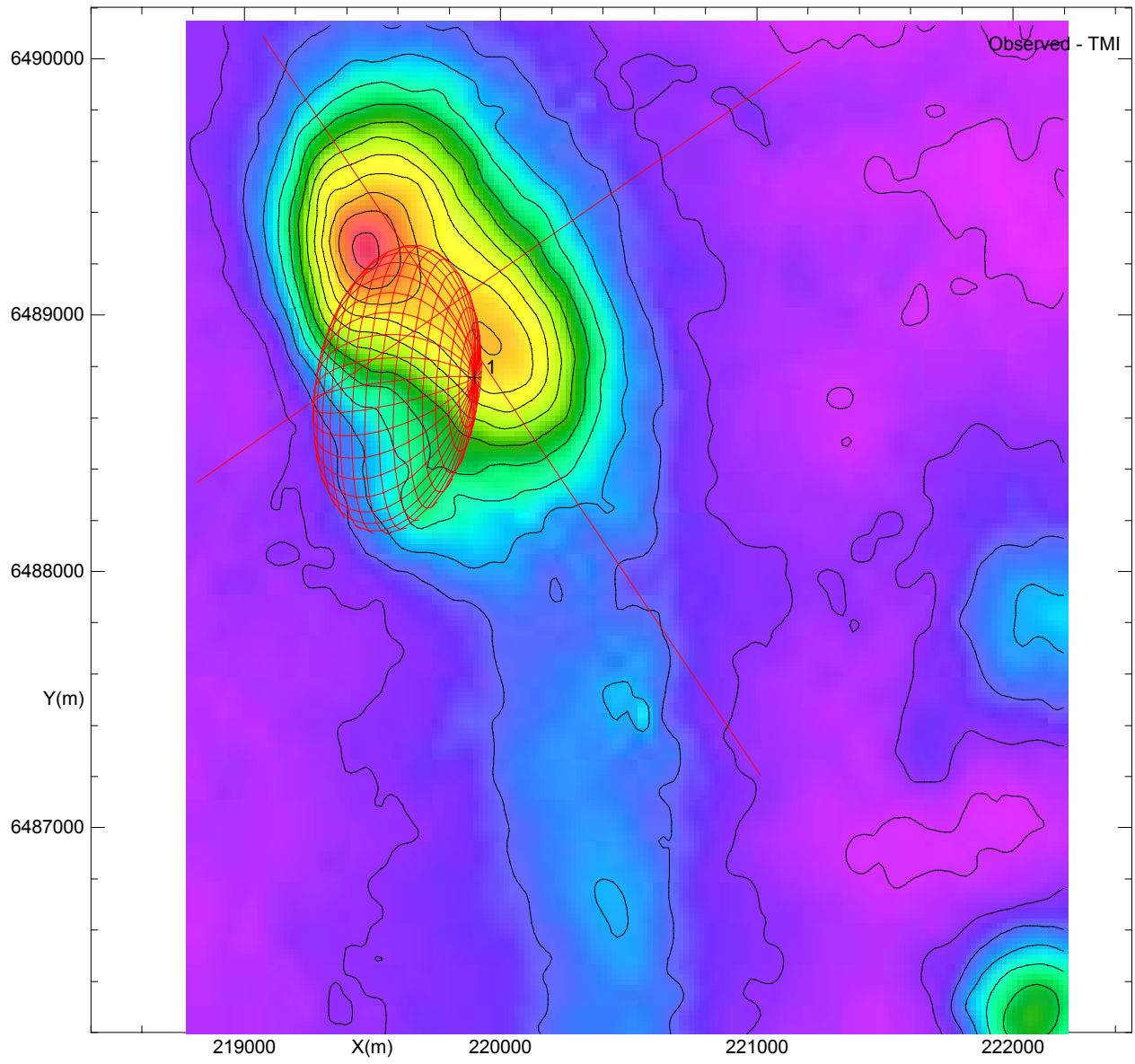
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219899.2	6488756.8	-507.5	9.5	32.3	10.1	1.000	0.0422	287.850	1138.409	1105.547



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

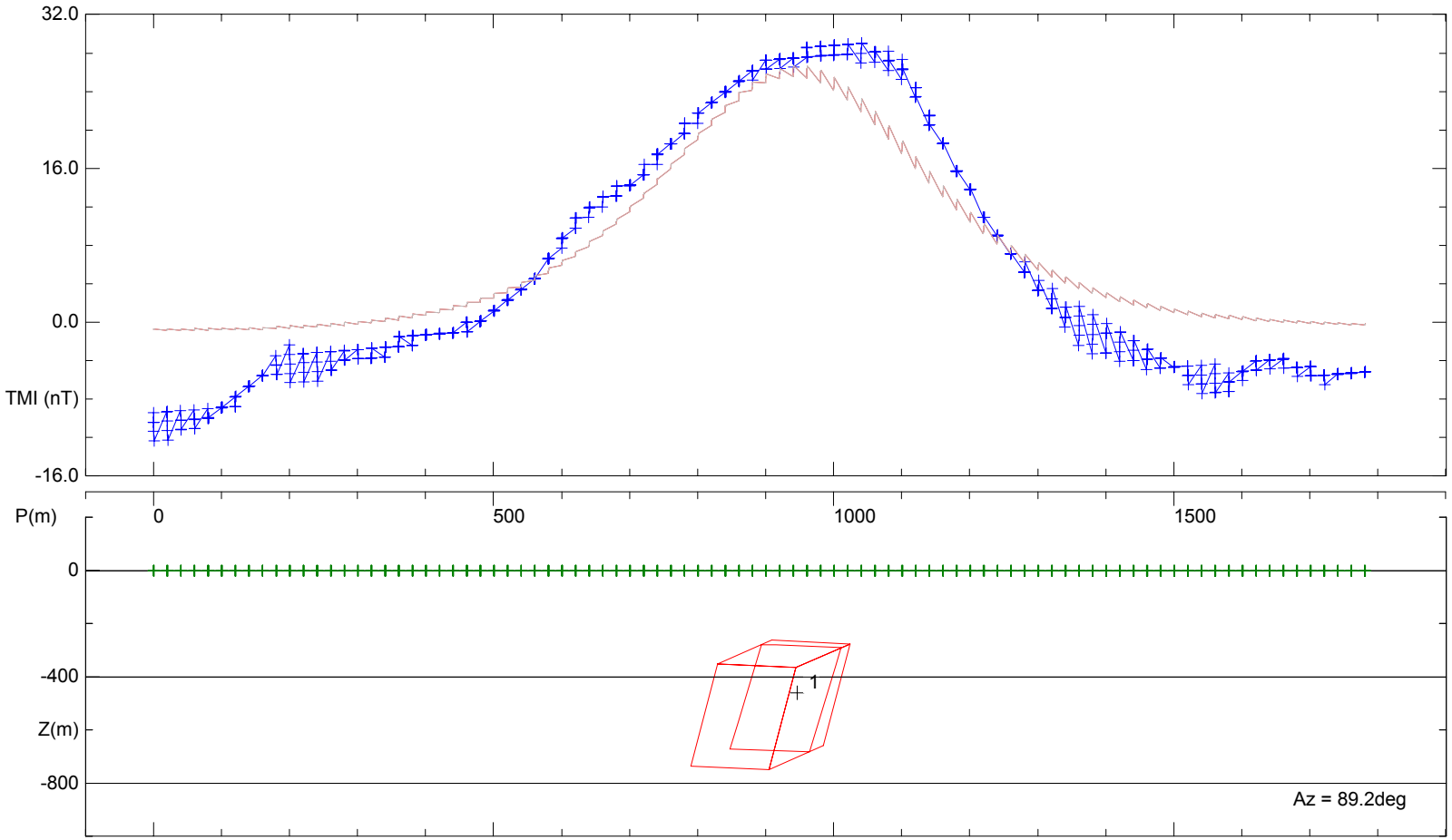
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219899.2	6488756.8	-507.5	9.5	32.3	10.1	1.000	0.0422	287.850	1138.409	105.547



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

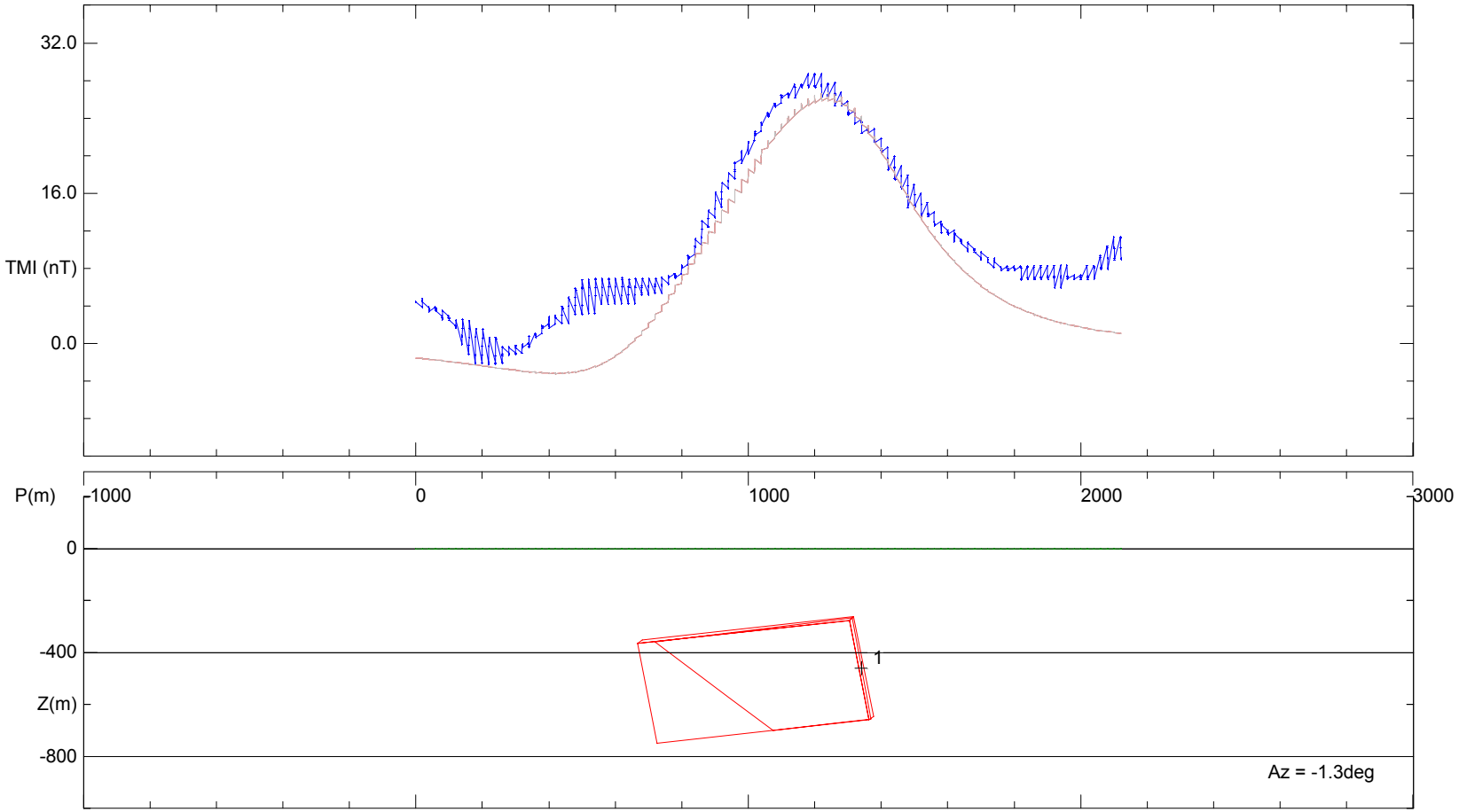
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219899.2	6488756.8	-507.5	9.5	32.3	10.1	1.000	0.0422	287.850	1138.409	1105.547



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

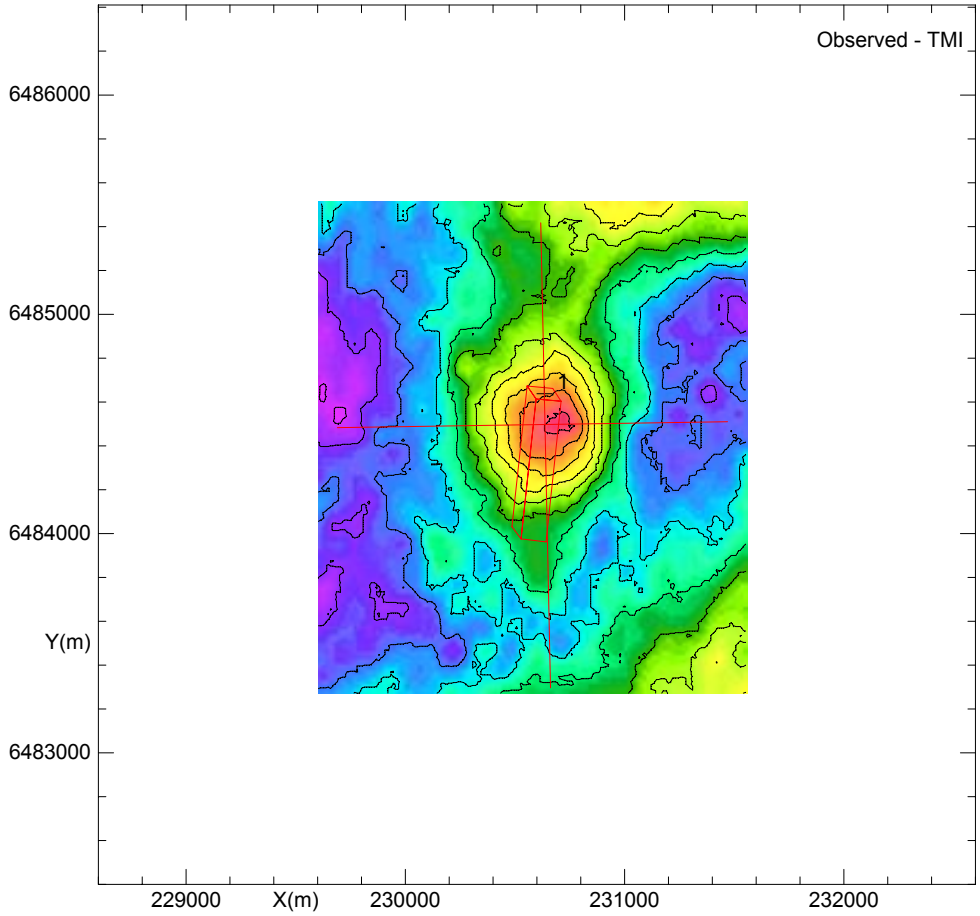
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

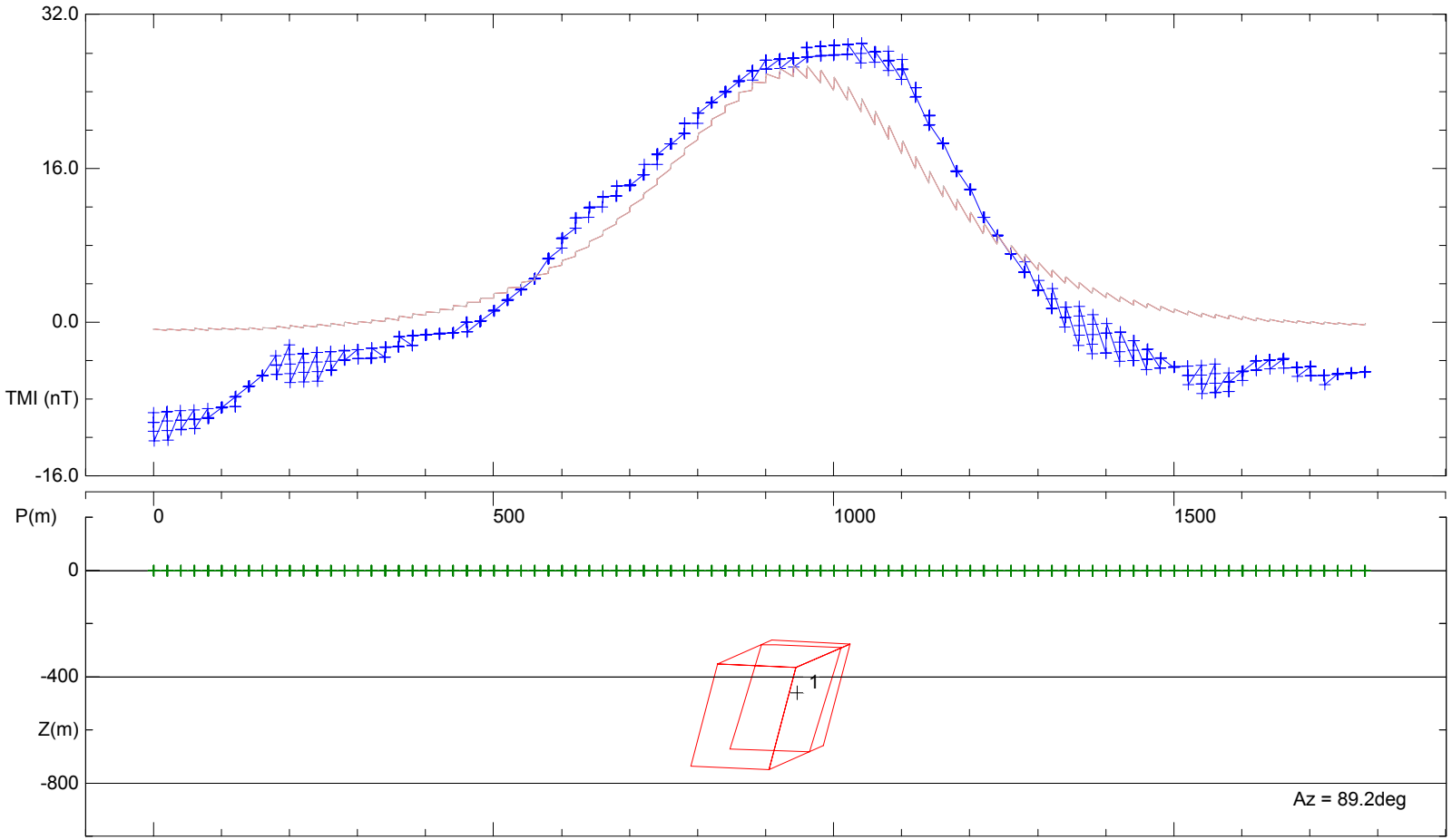
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

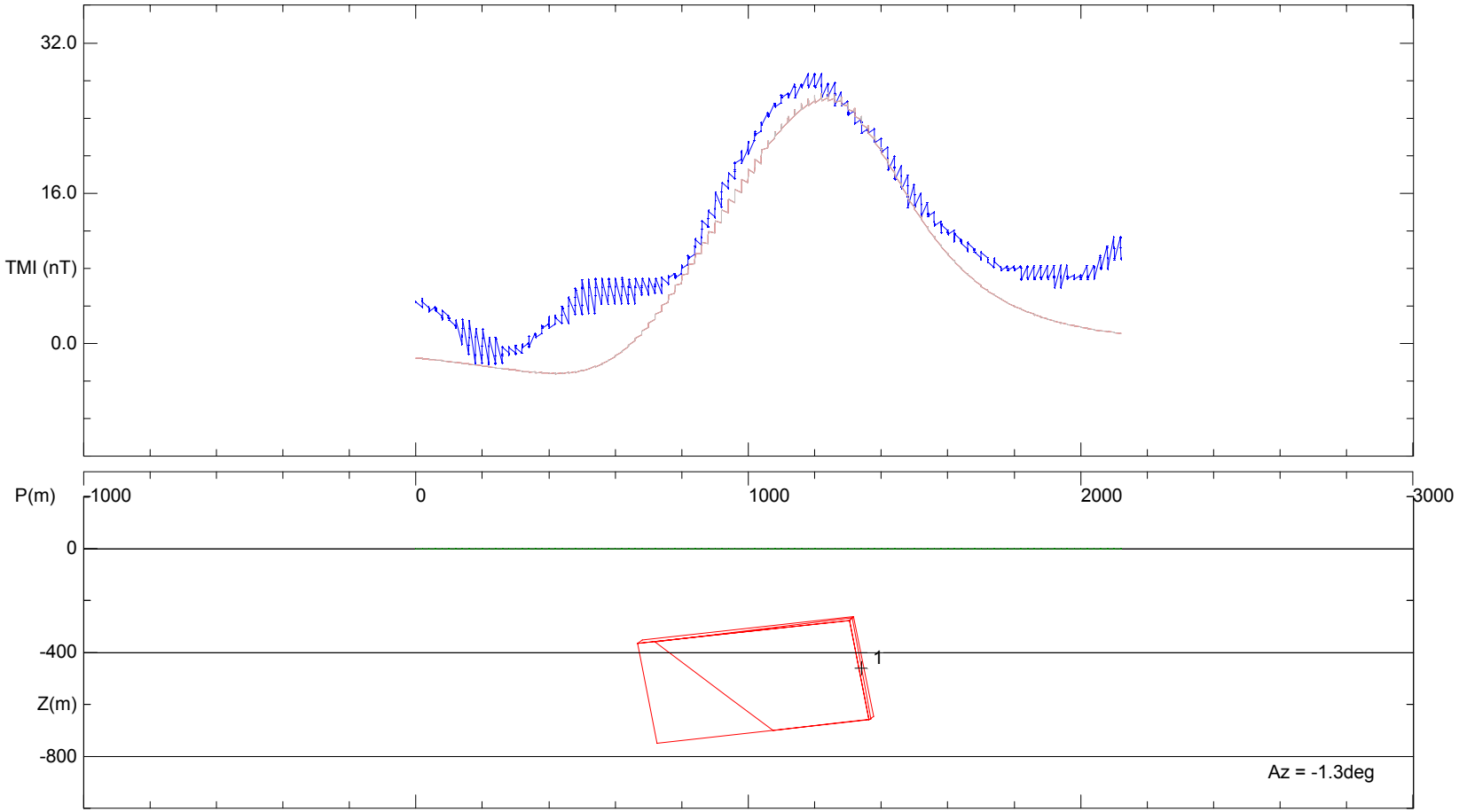
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

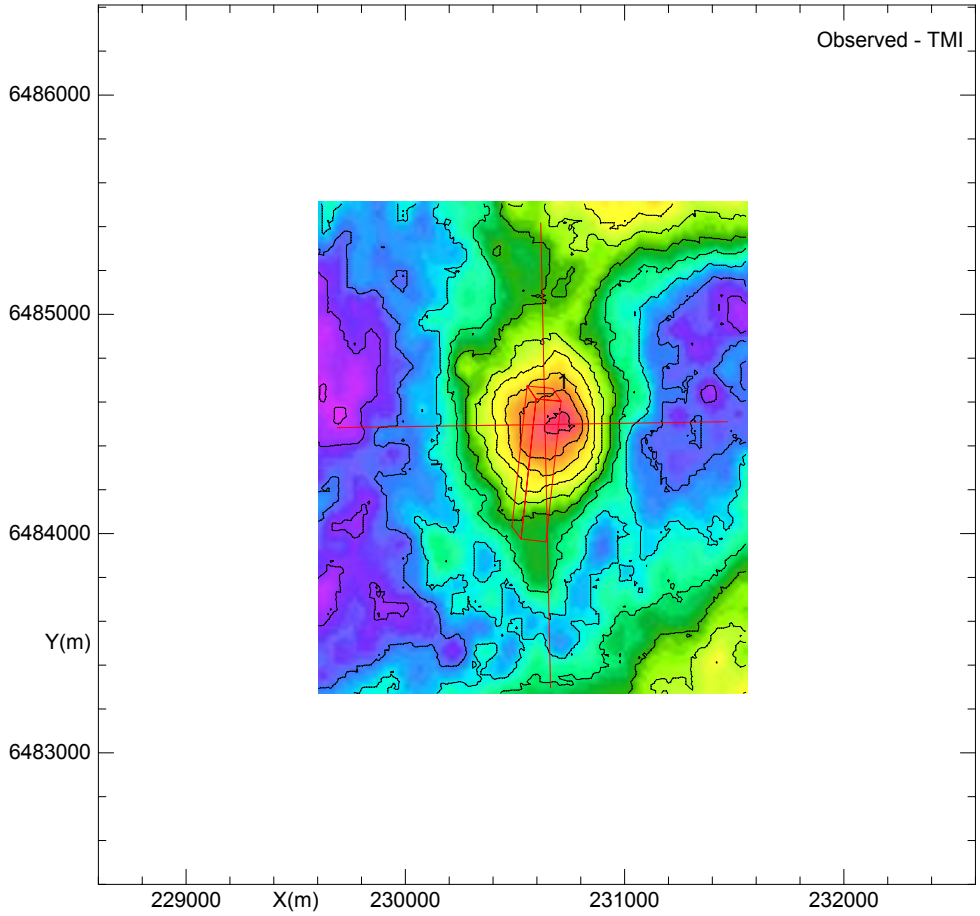
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

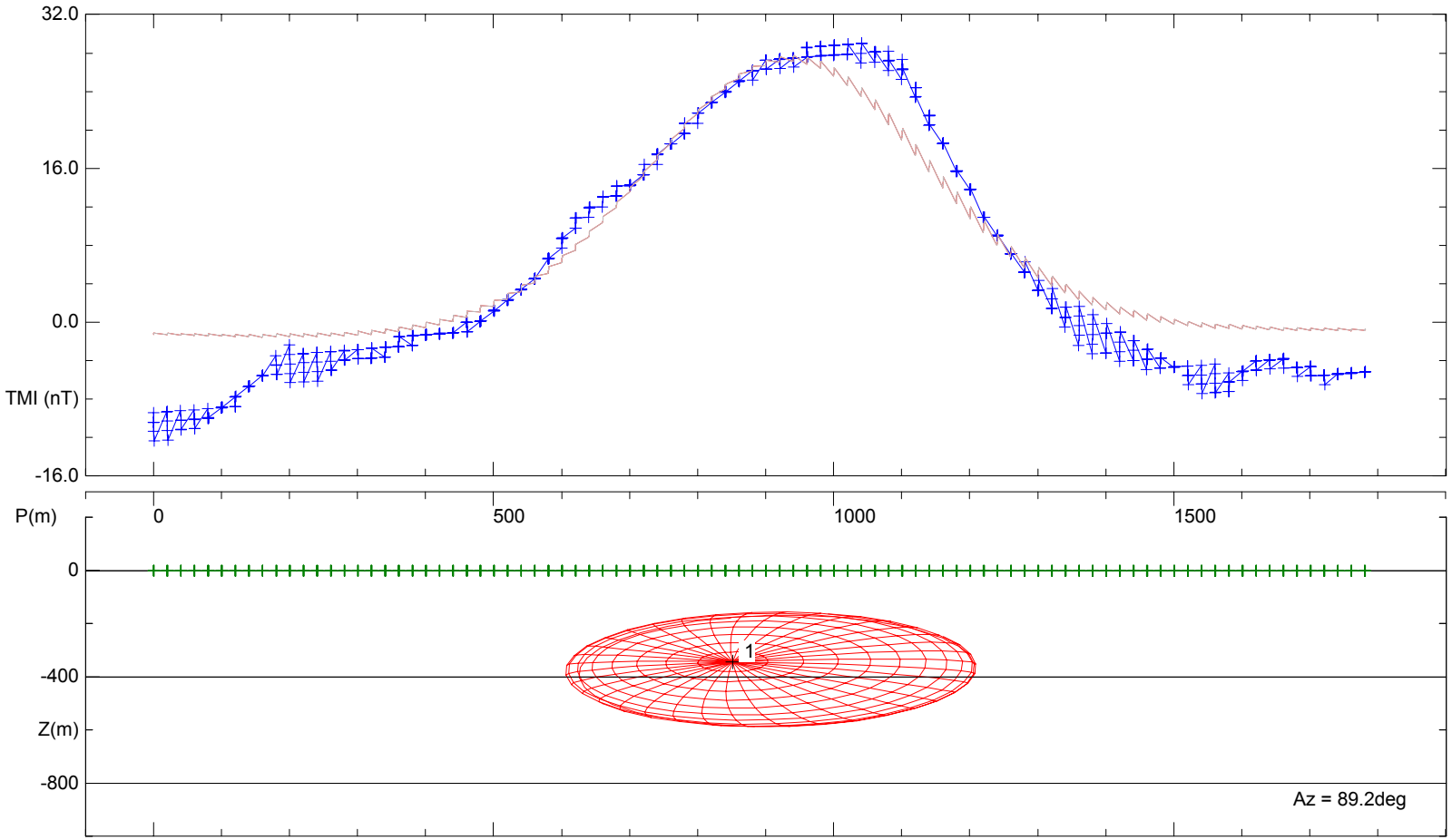
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

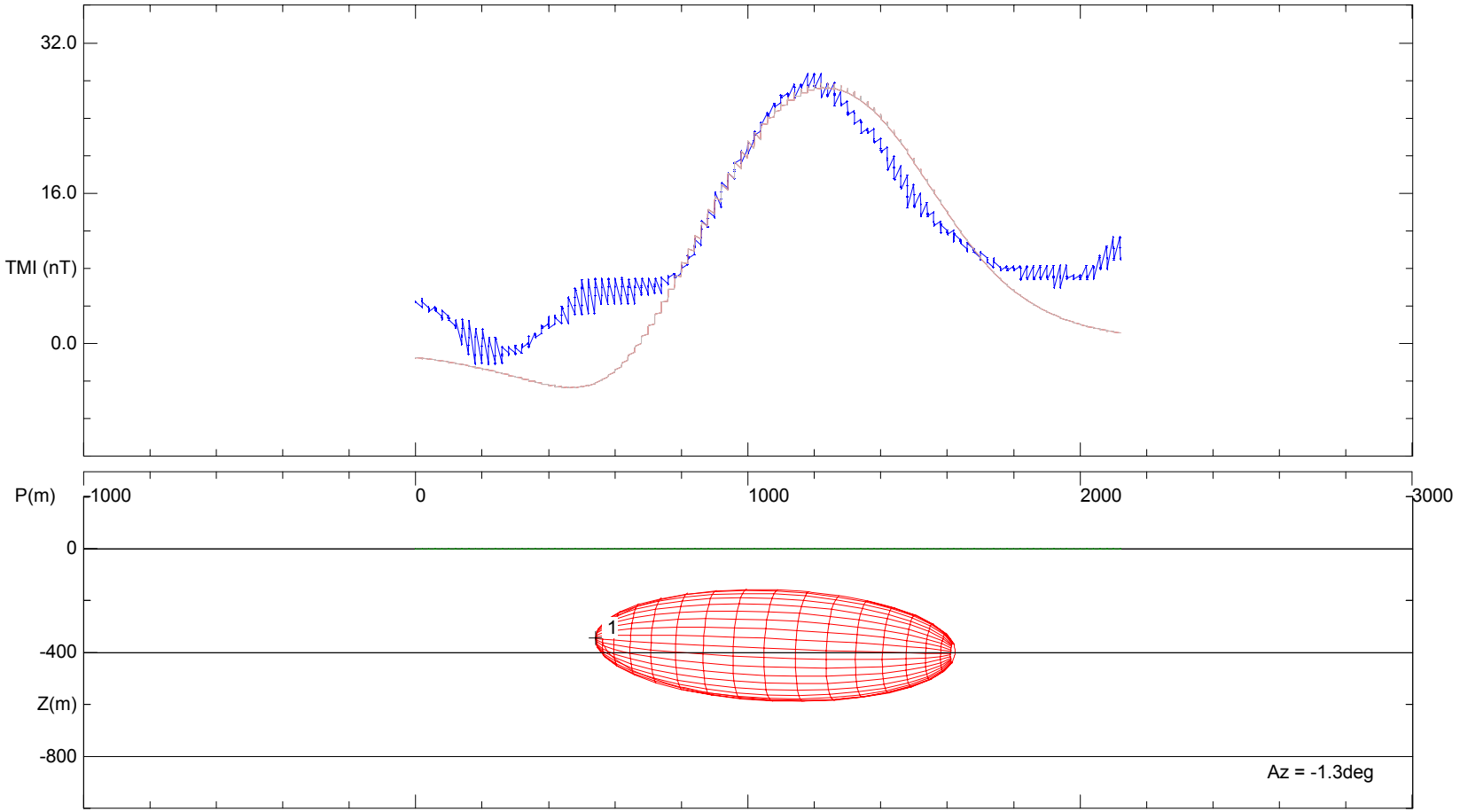
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230635.3	6484638.6	-460.0	5.3	6.7	82.0	1.000	0.0158	116.582	390.427	648.994



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

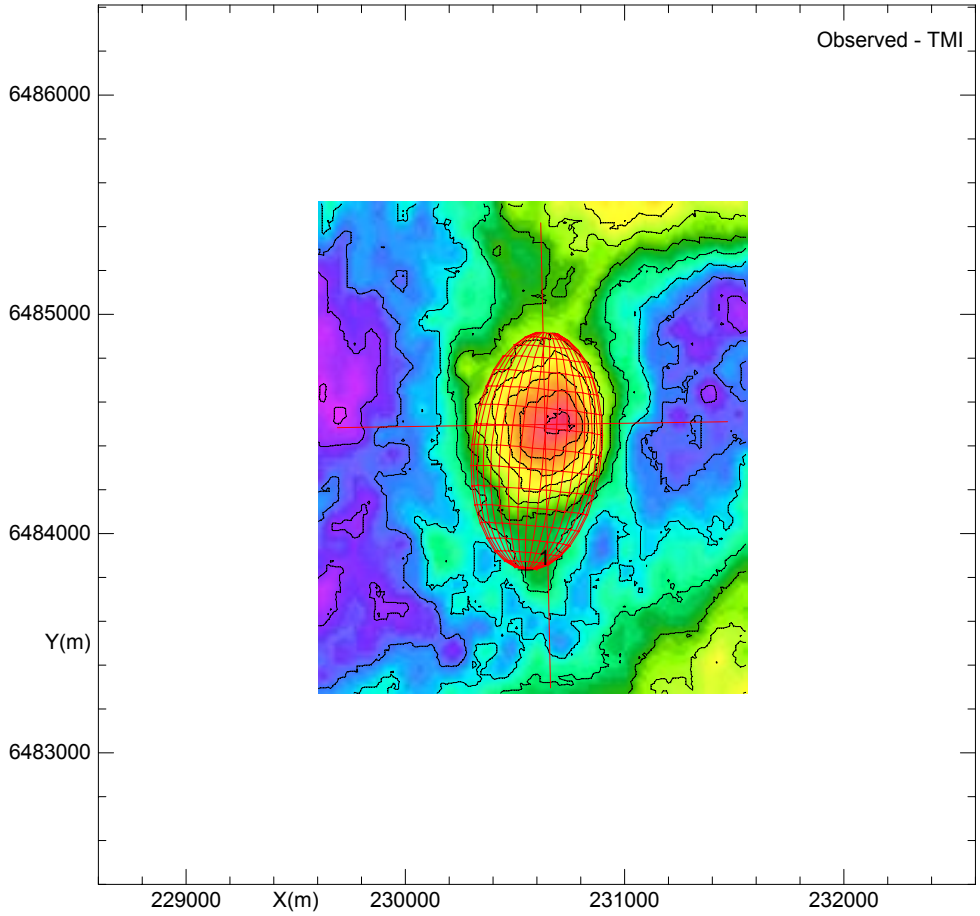
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230551.2	6483837.1	-342.3	-144.4	-84.0	59.4	1.000	0.0027	427.305	596.872	1091.348



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

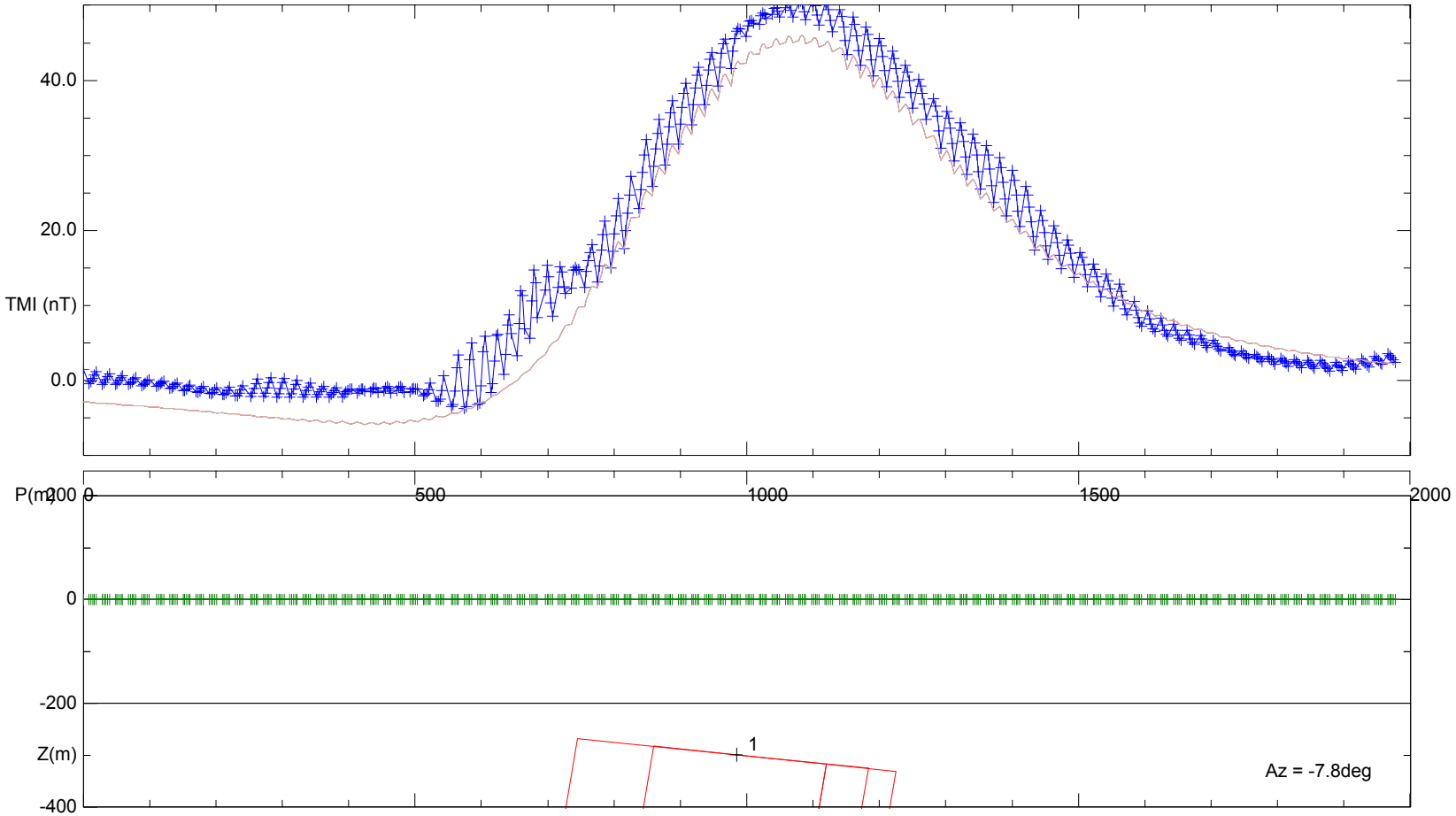
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230551.2	6483837.1	-342.3	-144.4	-84.0	59.4	1.000	0.0027	427.305	596.872	1091.348



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

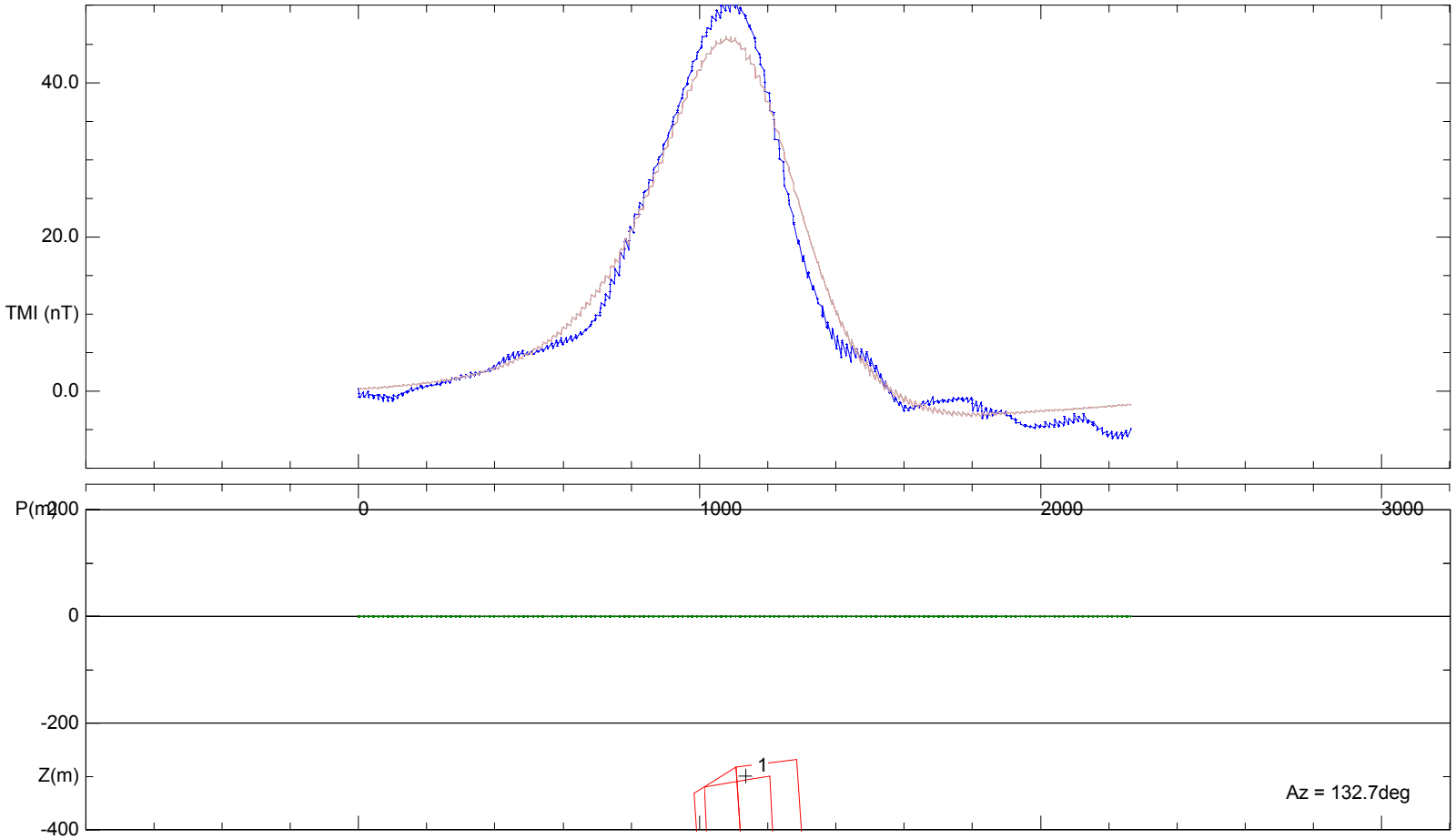
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230551.2	6483837.1	-342.3	-144.4	-84.0	59.4	1.000	0.0027	427.305	596.872	1091.348



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

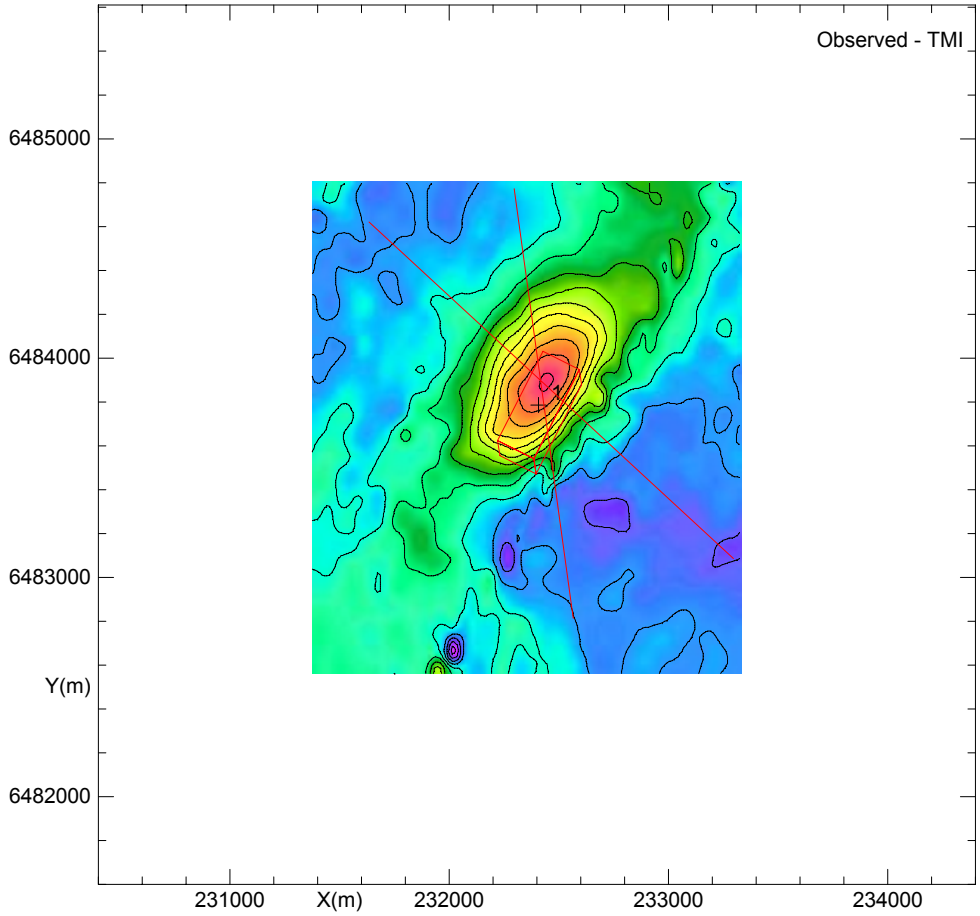
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		232408.5	6483788.1	-299.0	-153.4	4.4	-6.1	1.000	0.0191	185.383	460.006	535.726



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

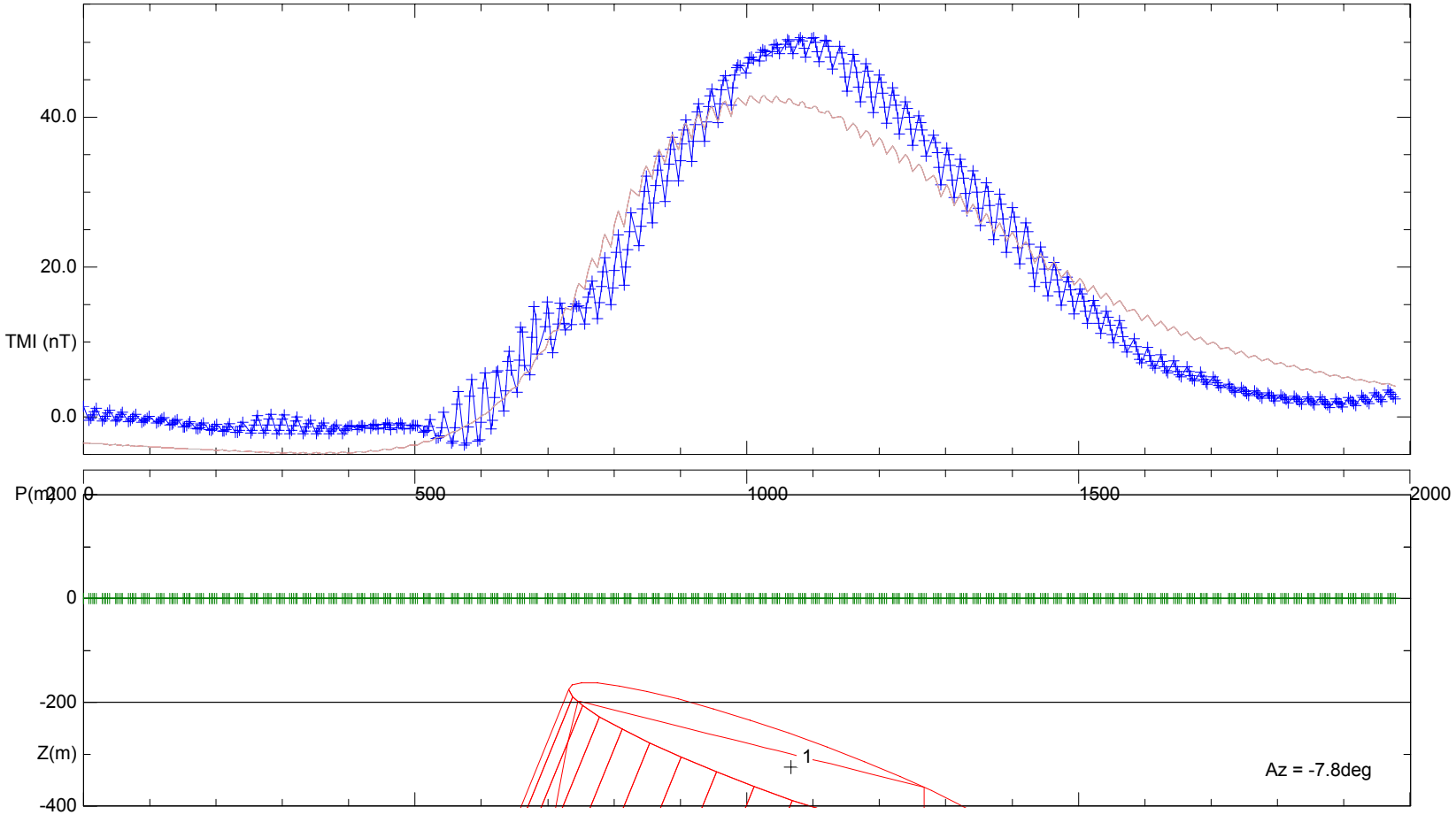
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		232408.5	6483788.1	-299.0	-153.4	4.4	-6.1	1.000	0.0191	185.383	460.006	535.726



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

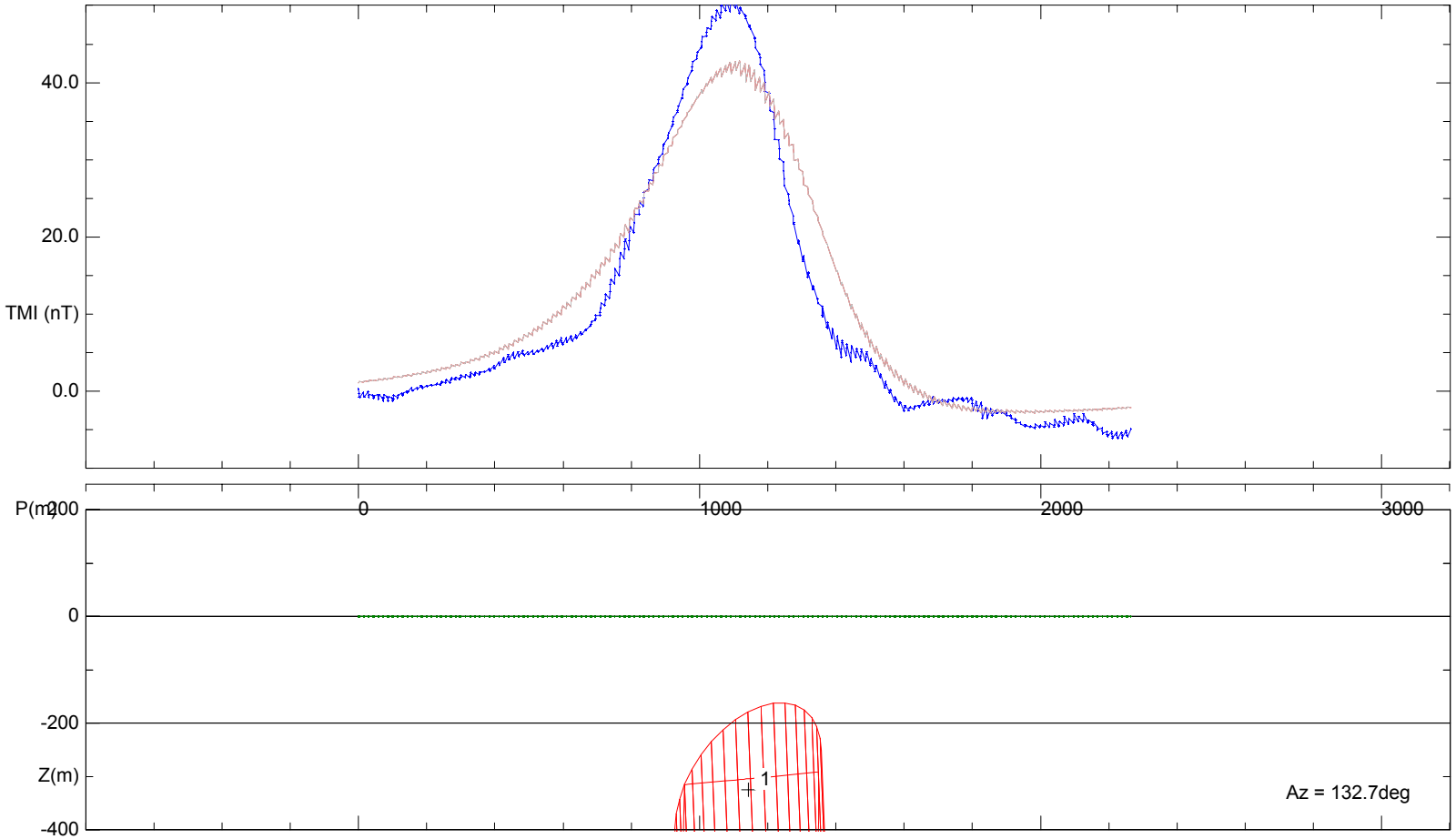
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		232408.5	6483788.1	-299.0	-153.4	4.4	-6.1	1.000	0.0191	185.383	460.006	535.726



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

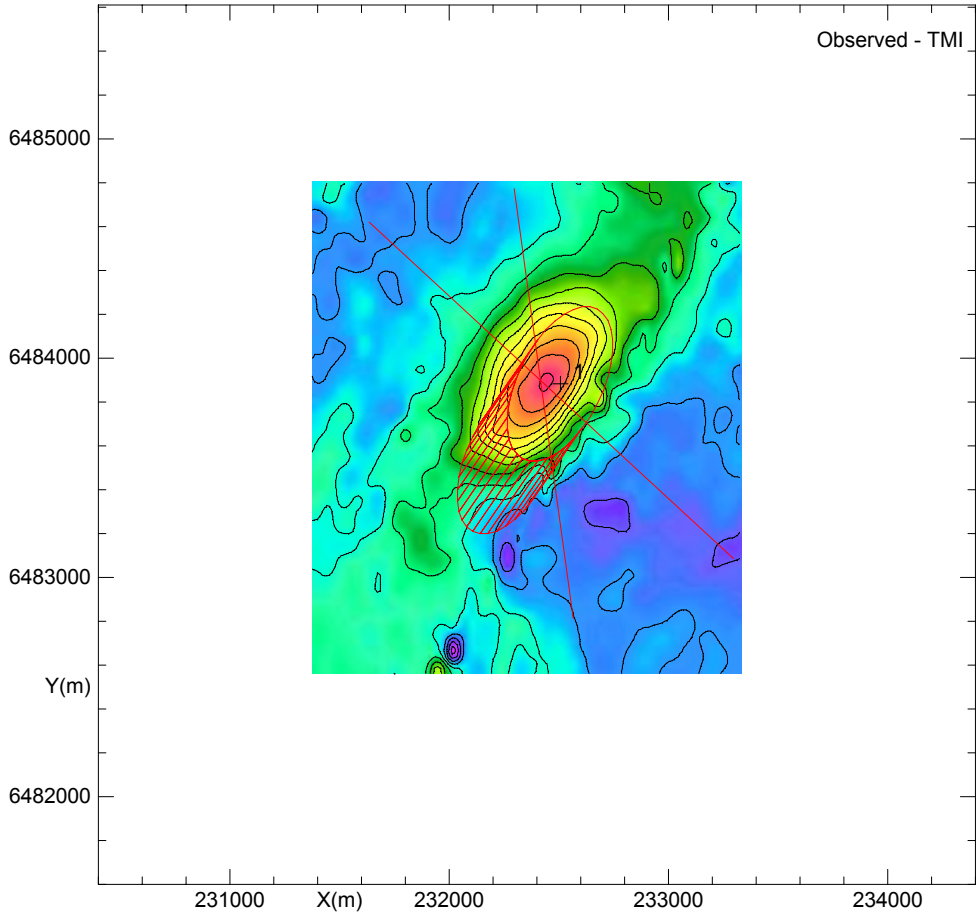
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		232506.9	6483883.5	-324.1	27.7	3.0	23.1	1.000	0.0065	385.552	827.842	1014.067	90.000



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

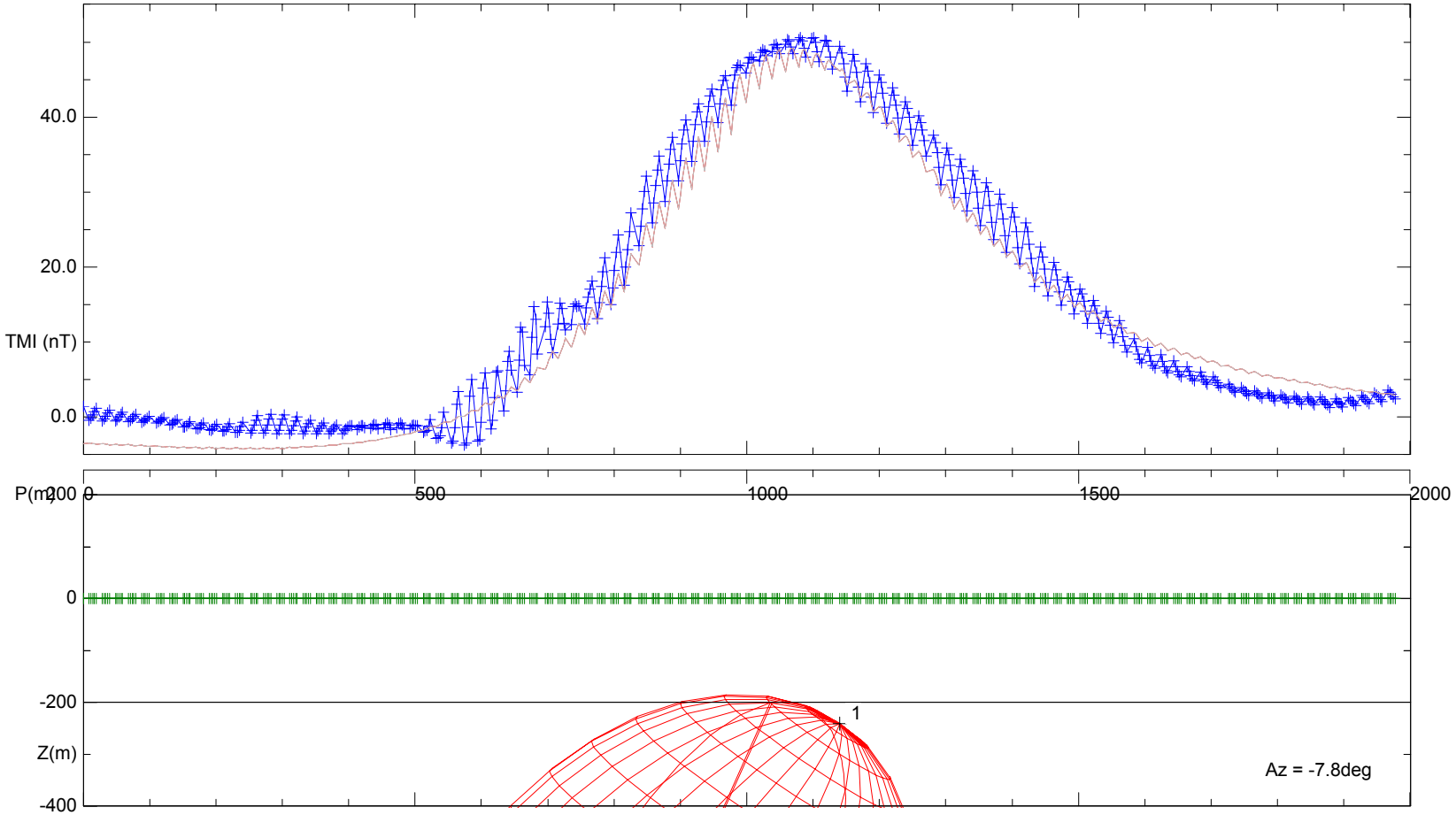
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		232506.9	6483883.5	-324.1	27.7	3.0	23.1	1.000	0.0065	385.552	827.842	1014.067	90.000



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

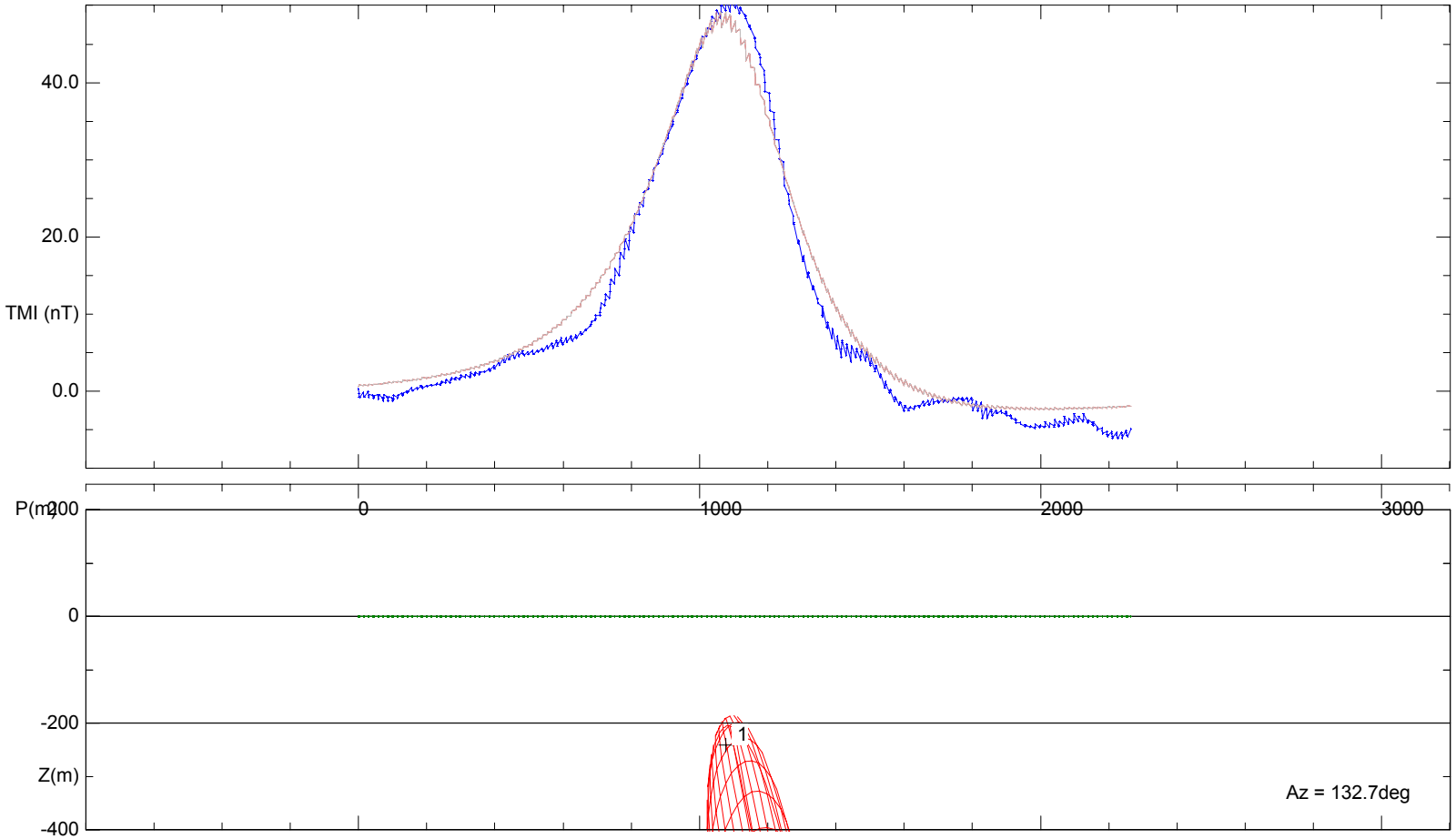
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		232506.9	6483883.5	-324.1	27.7	3.0	23.1	1.000	0.0065	385.552	827.842	1014.067	90.000



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

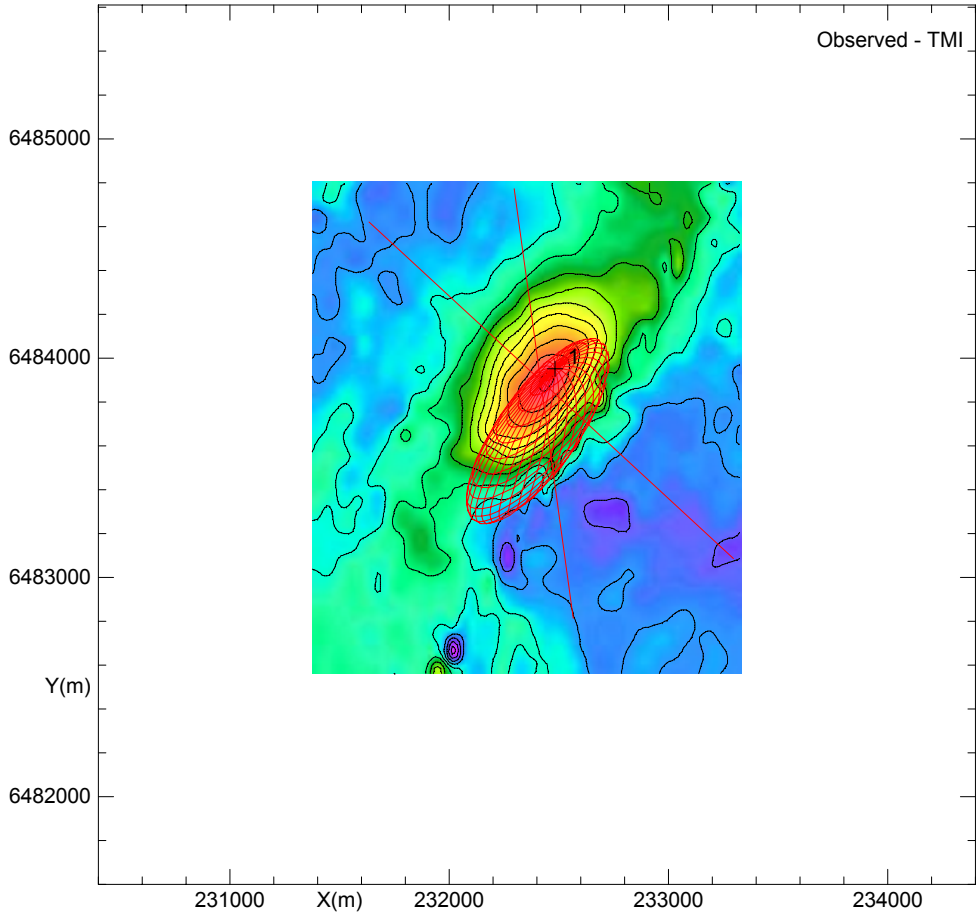
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		232484.4	6483954.8	-240.2	37.3	-13.3	29.8	1.000	0.0091	276.600	966.201	1107.644



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

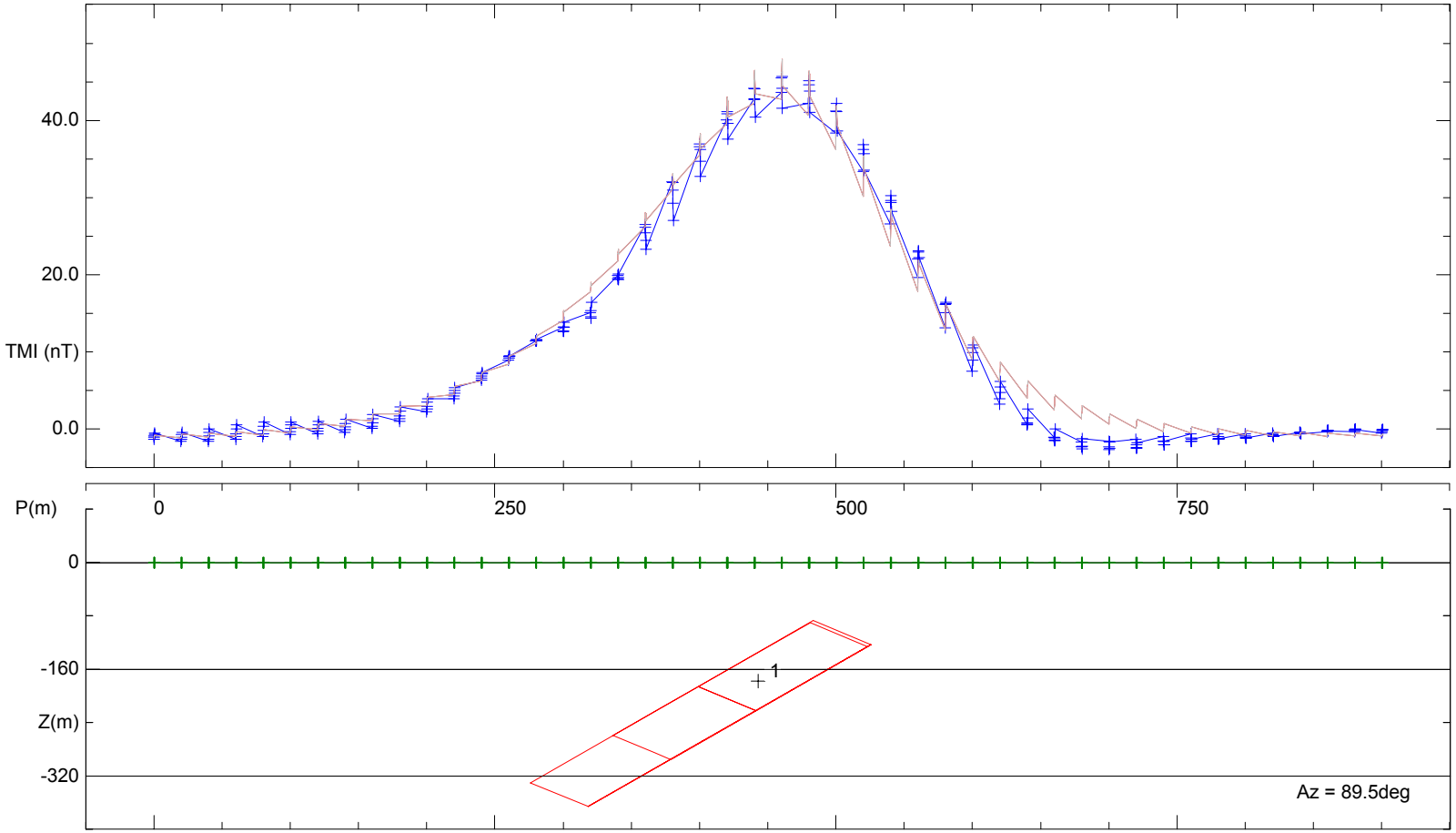
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		232484.4	6483954.8	-240.2	37.3	-13.3	29.8	1.000	0.0091	276.600	966.201	1107.644



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

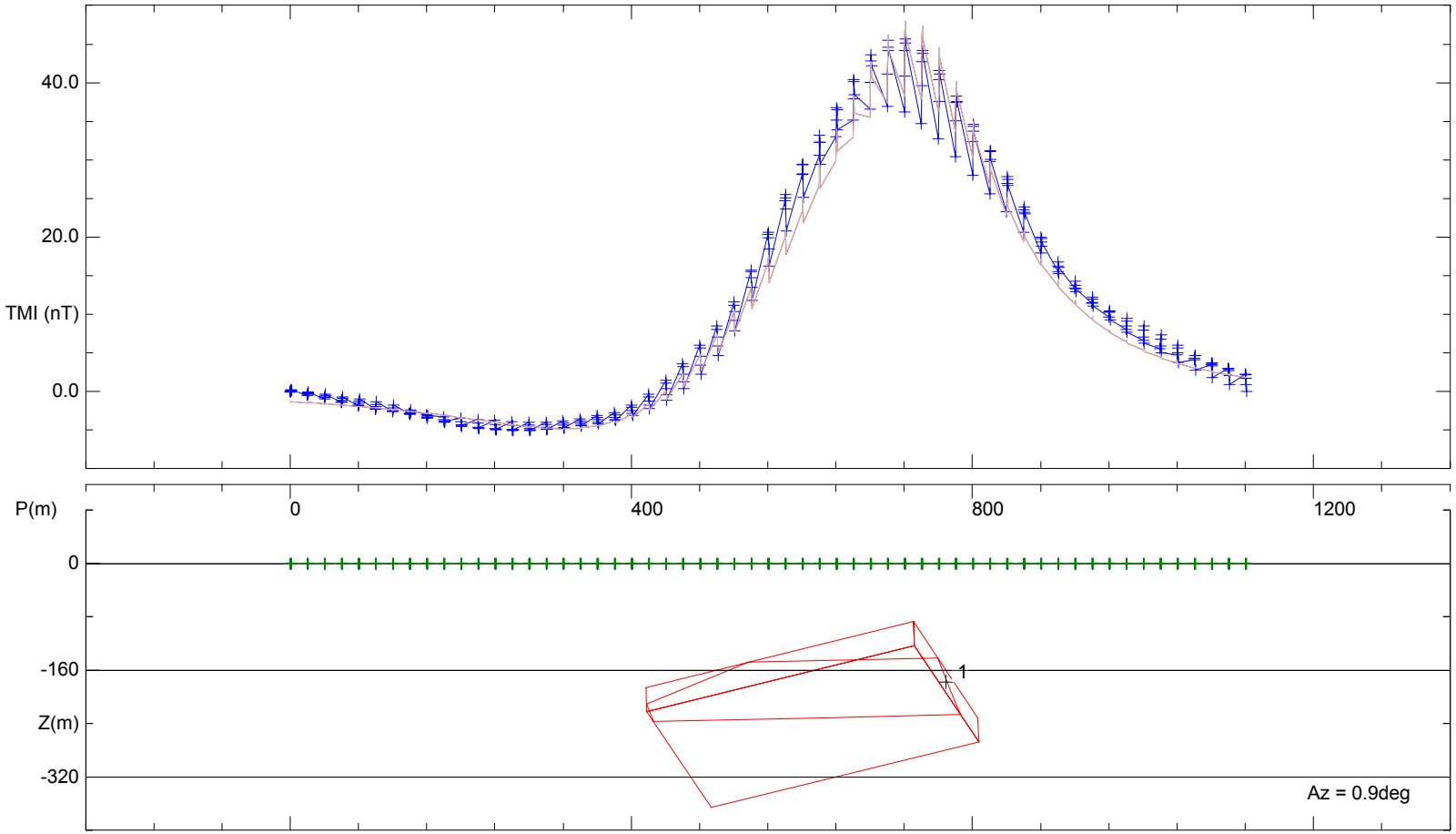
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		232484.4	6483954.8	-240.2	37.3	-13.3	29.8	1.000	0.0091	276.600	966.201	1107.644



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

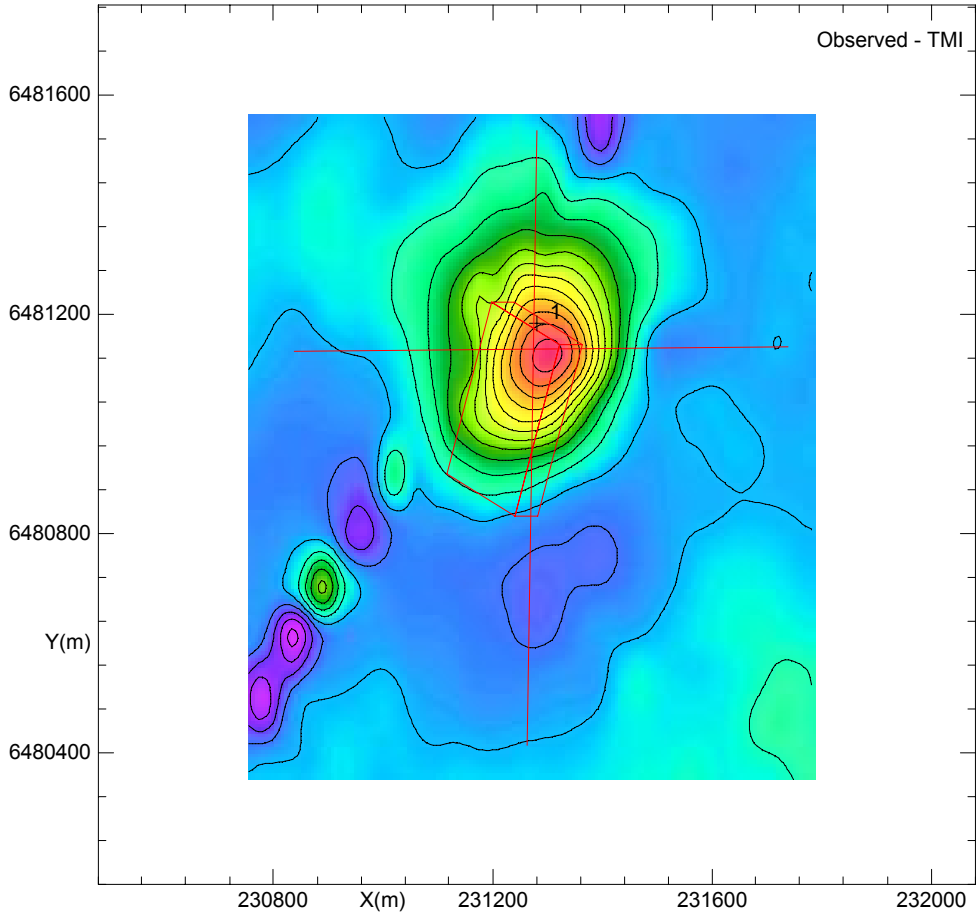
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		231280.8	6481183.9	-177.3	-0.5	40.5	67.5	1.000	0.0202	55.483	205.353	337.659



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

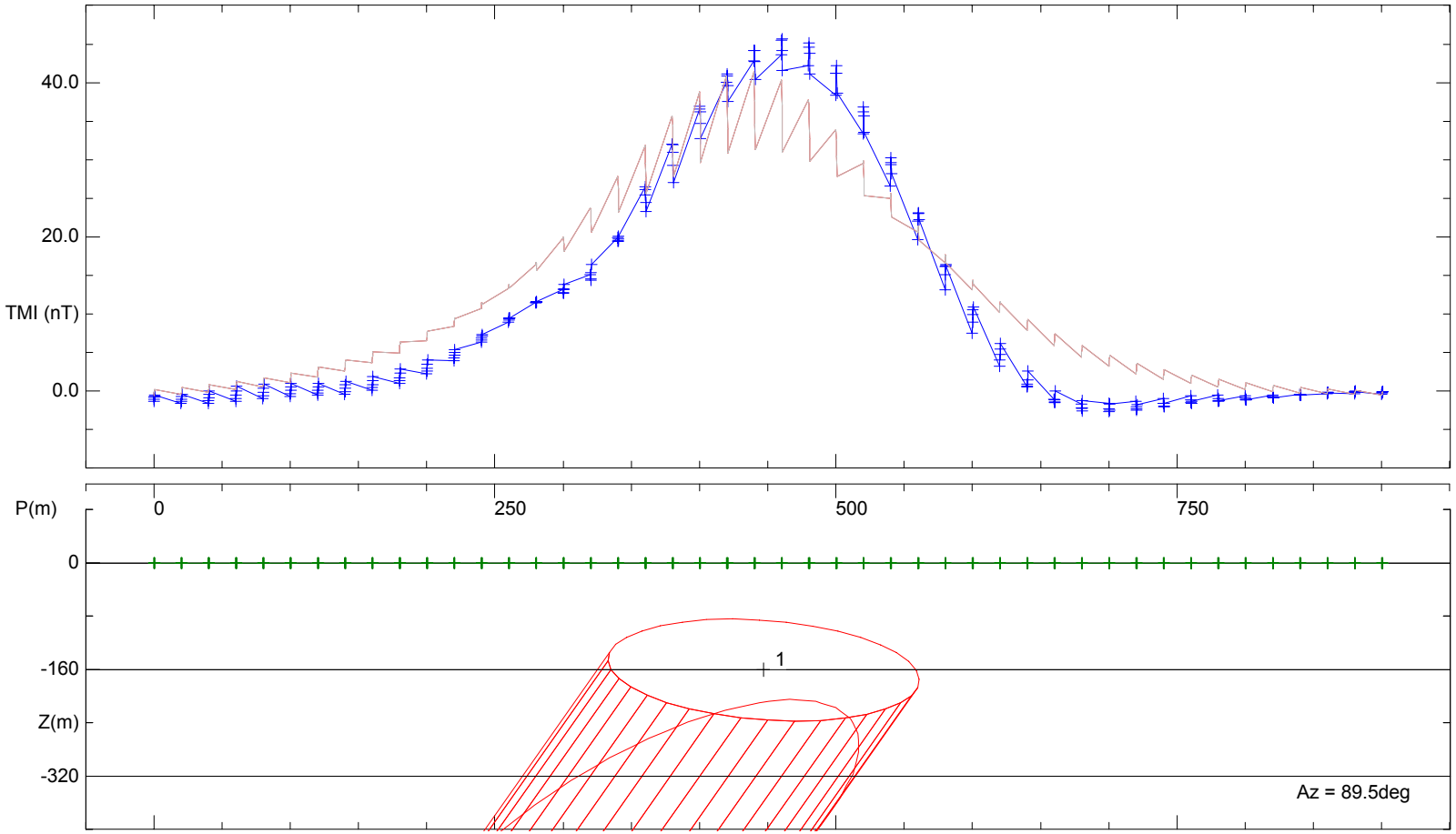
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		231280.8	6481183.9	-177.3	-0.5	40.5	67.5	1.000	0.0202	55.483	205.353	337.659



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

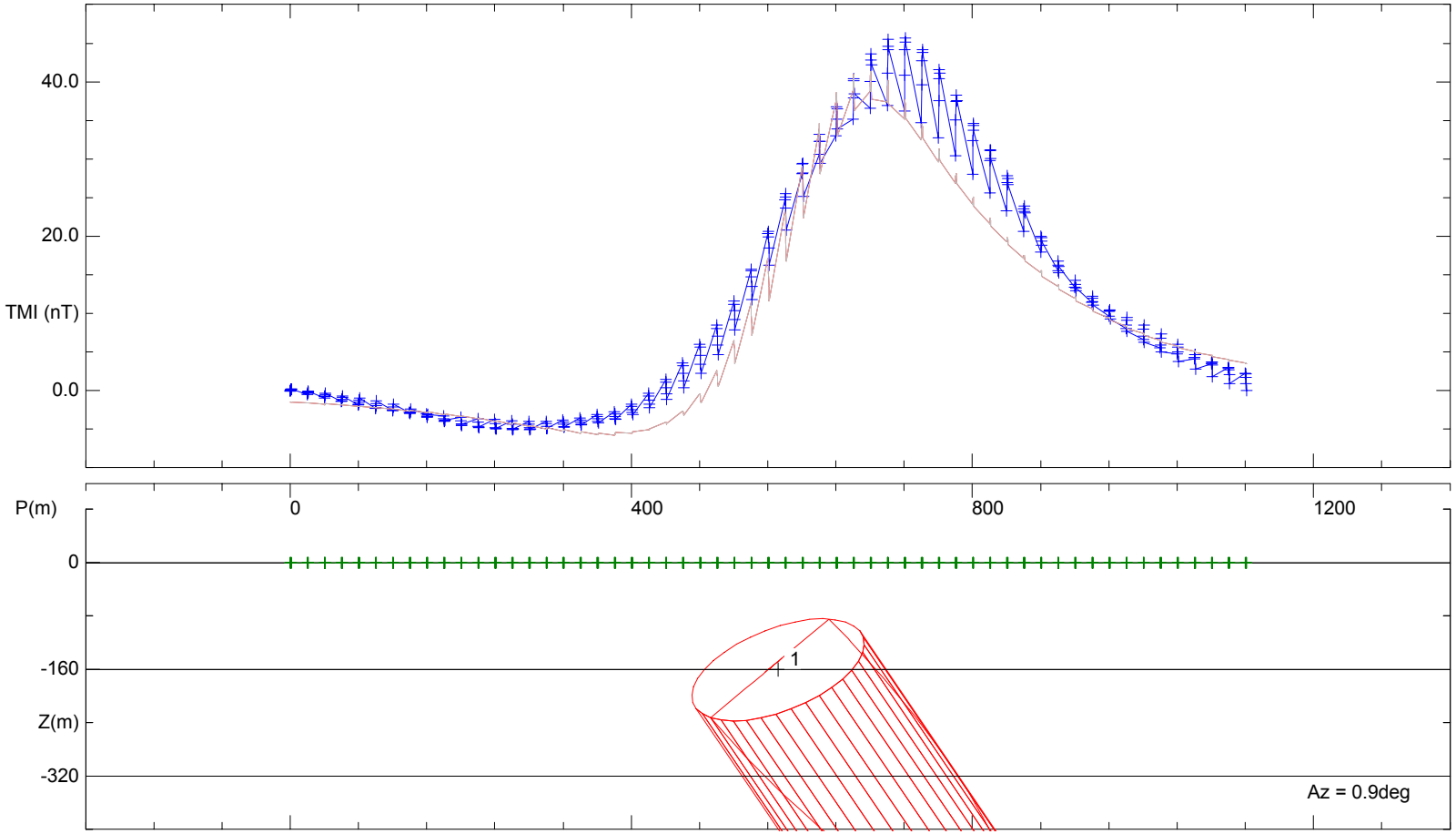
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		231280.8	6481183.9	-177.3	-0.5	40.5	67.5	1.000	0.0202	55.483	205.353	337.659



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

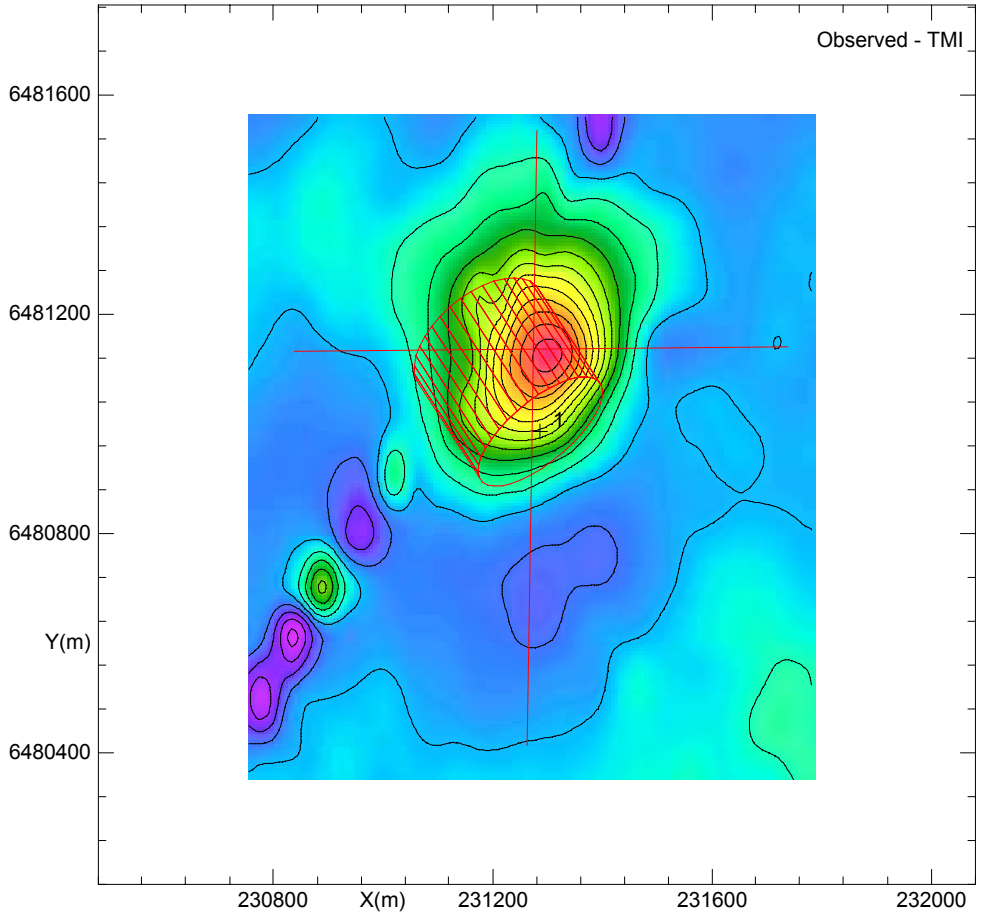
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		231286.8	6480986.9	-160.5	-134.5	-32.0	6.2	1.000	0.0080	175.688	281.399	385.213	68.761



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

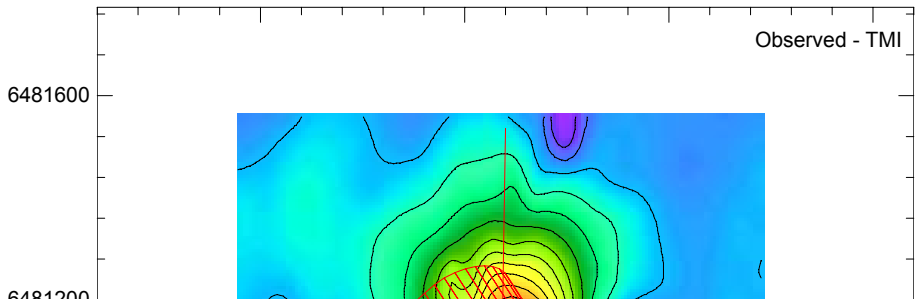
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		231286.8	6480986.9	-160.5	-134.5	-32.0	6.2	1.000	0.0080	175.688	281.399	385.213	68.761

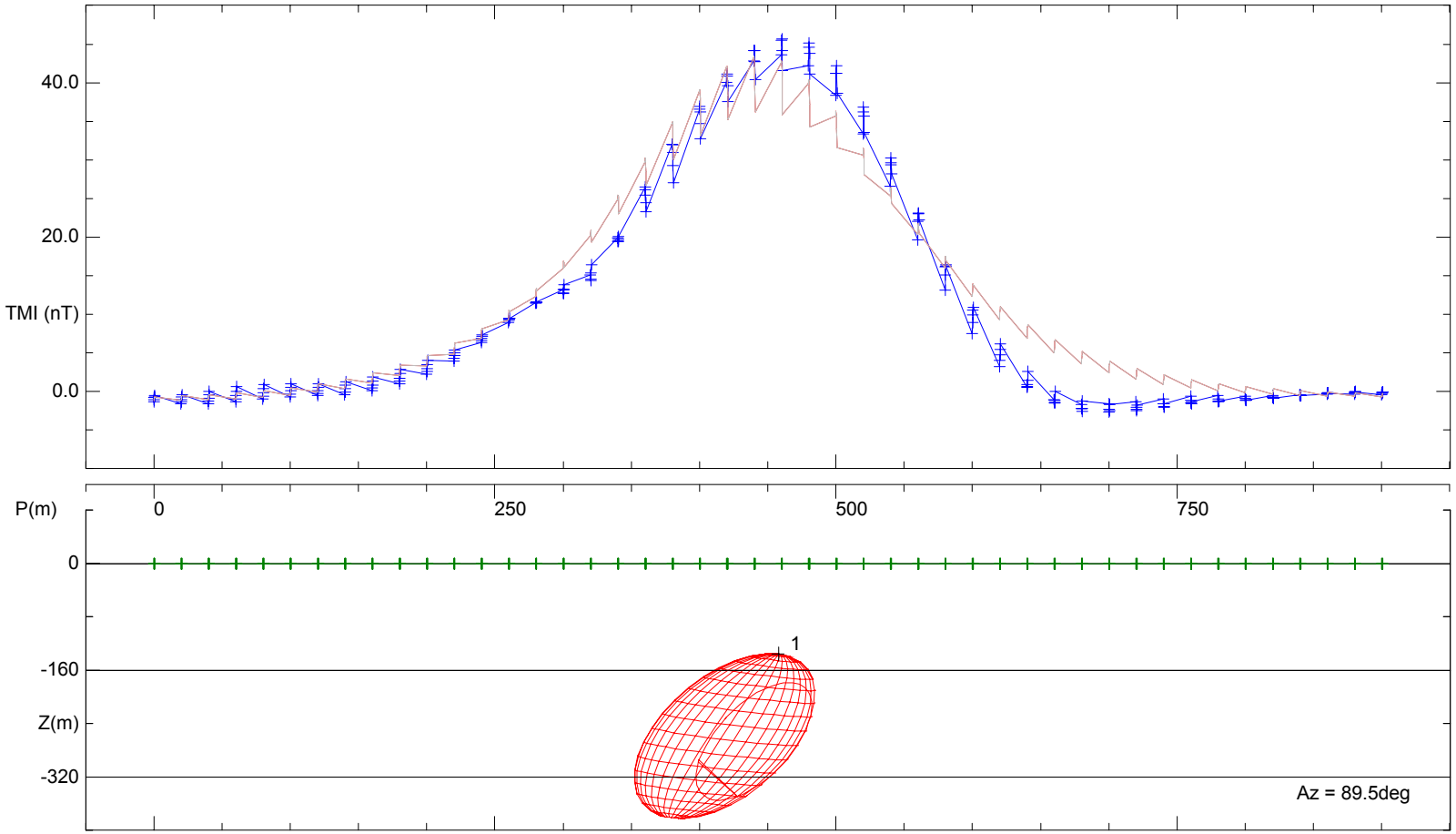


Model Summary

IGRF : H = 57785; Az =

Body	Type	Des
1	Cylinder	

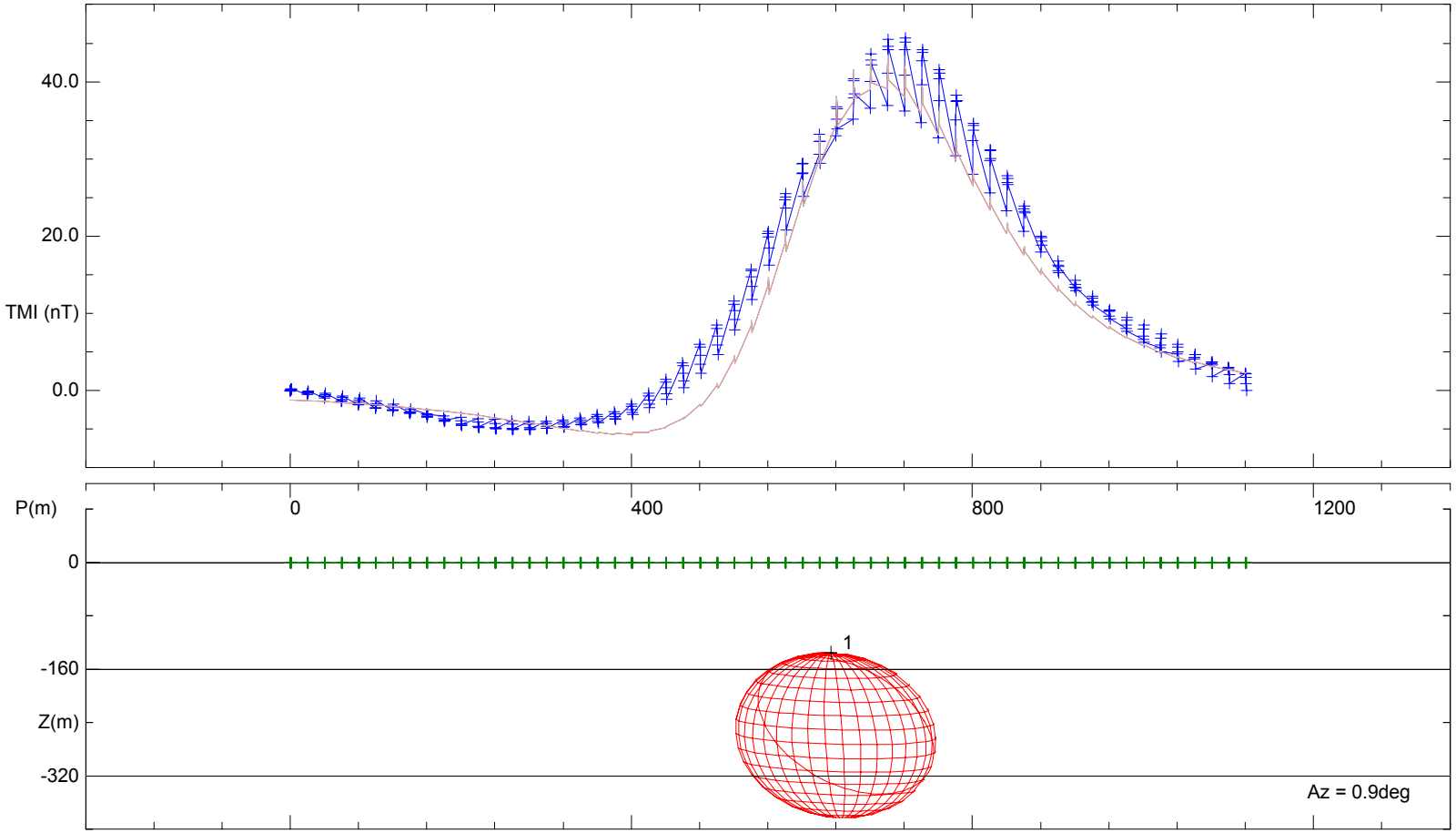




Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

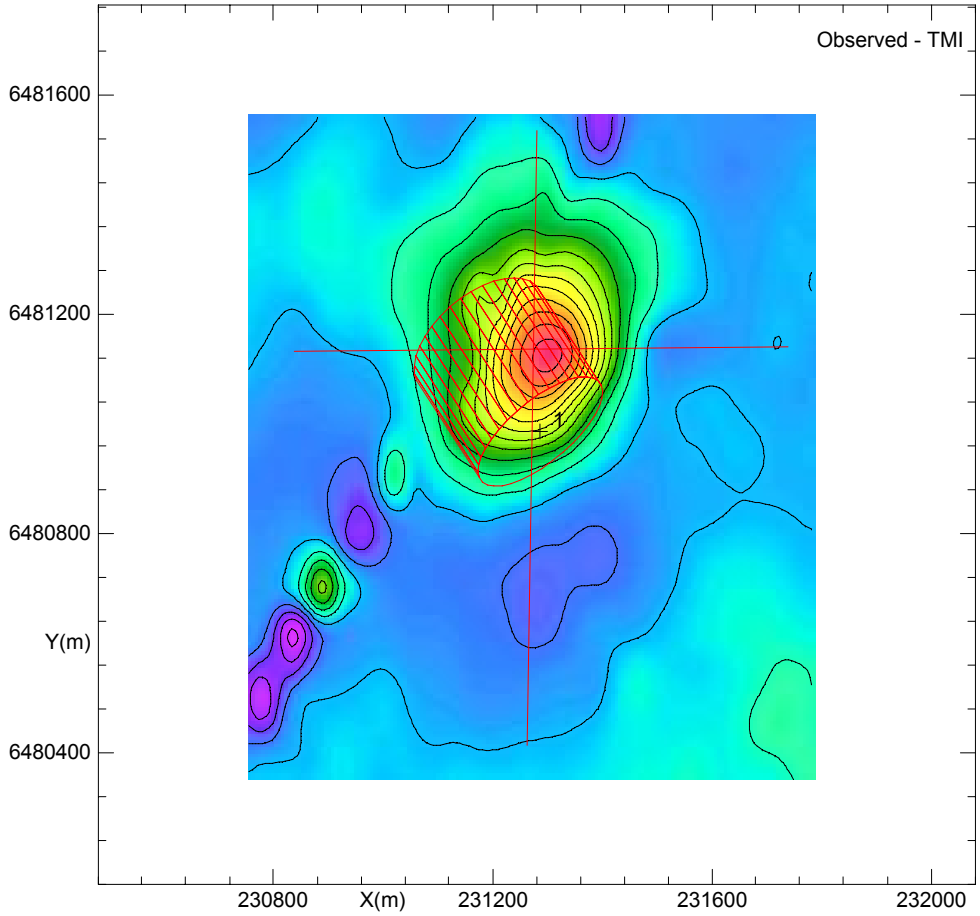
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		231297.3	6481048.4	-135.7	18.1	17.8	2.6	1.000	0.0302	86.075	244.265	258.641



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

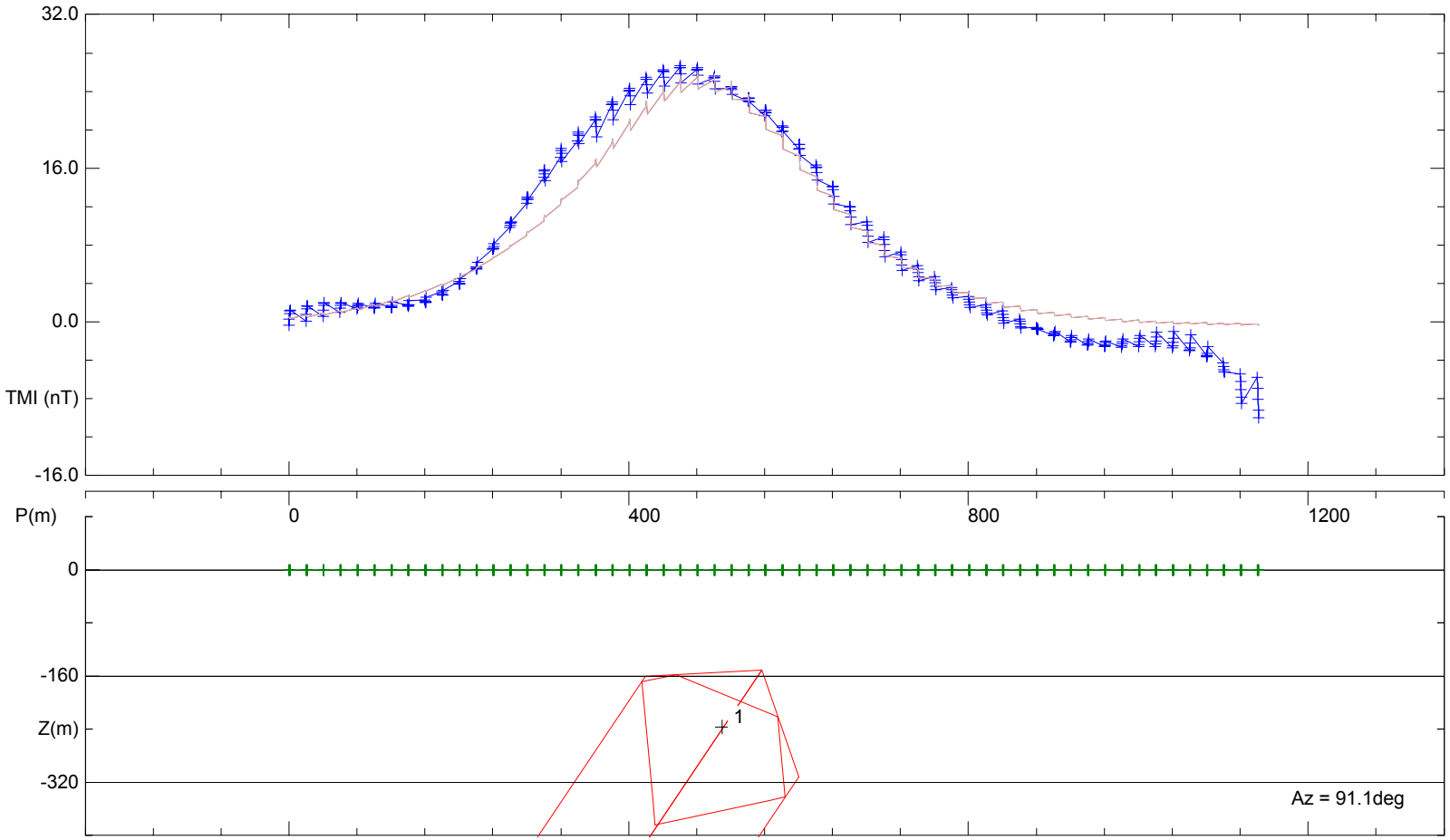
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		231297.3	6481048.4	-135.7	18.1	17.8	2.6	1.000	0.0302	86.075	244.265	258.641



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

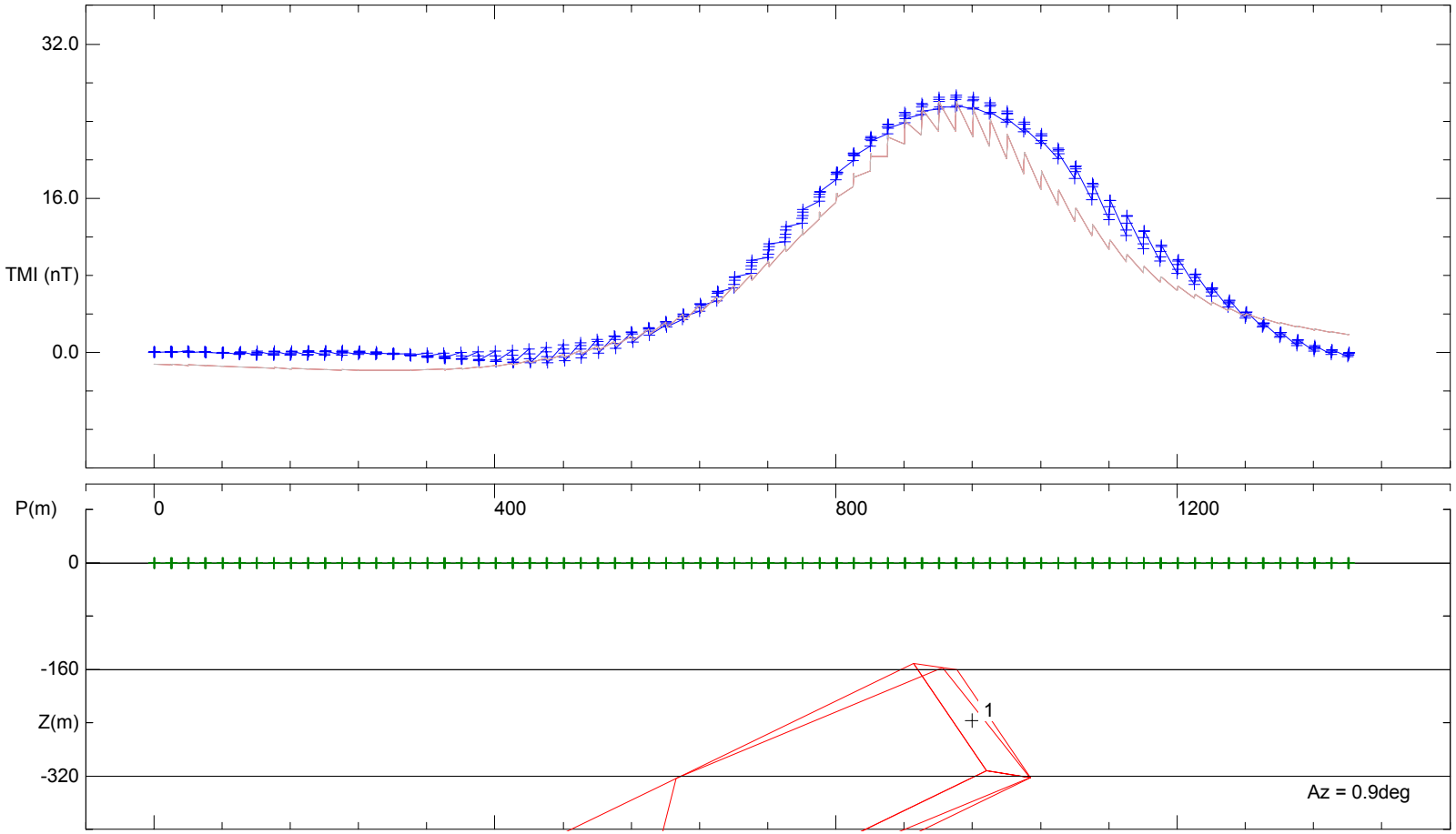
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		231286.8	6480986.9	-160.5	-134.5	-32.0	6.2	1.000	0.0080	175.688	281.399	385.213	68.761



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

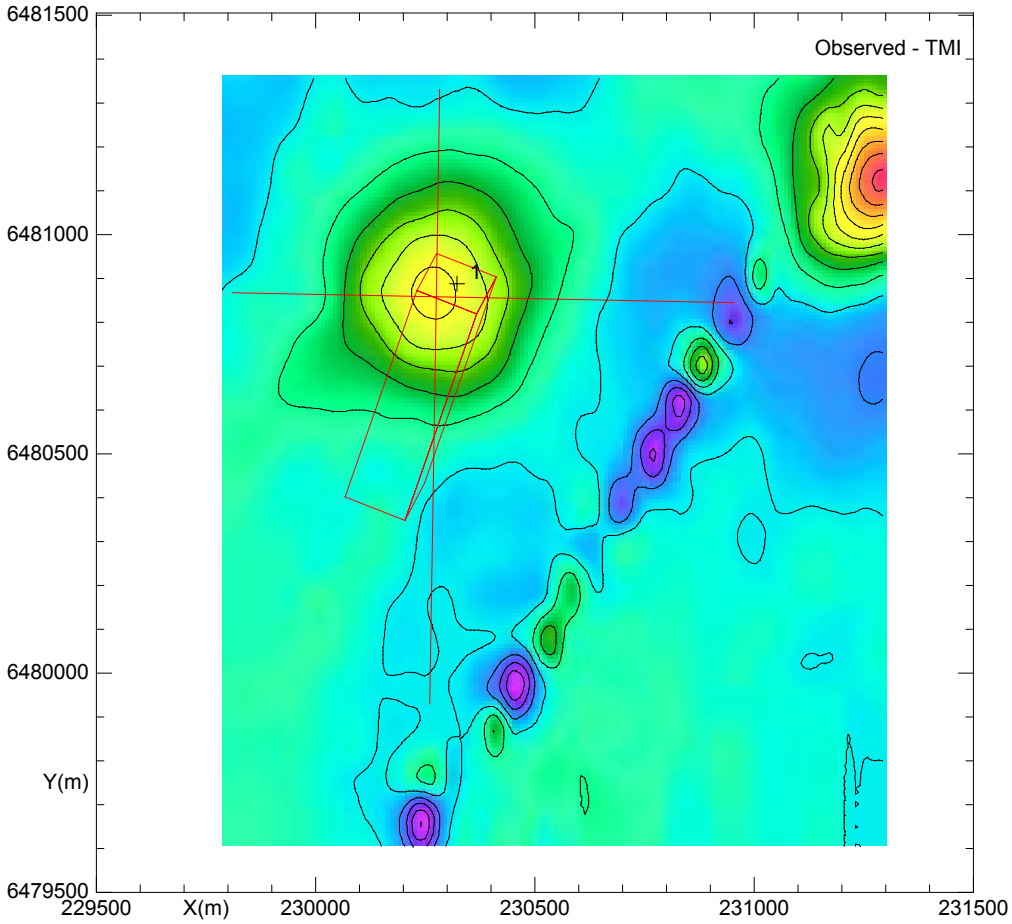
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230322.5	6480888.6	-236.1	21.5	-4.0	59.3	1.000	0.0098	146.325	188.303	578.249



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

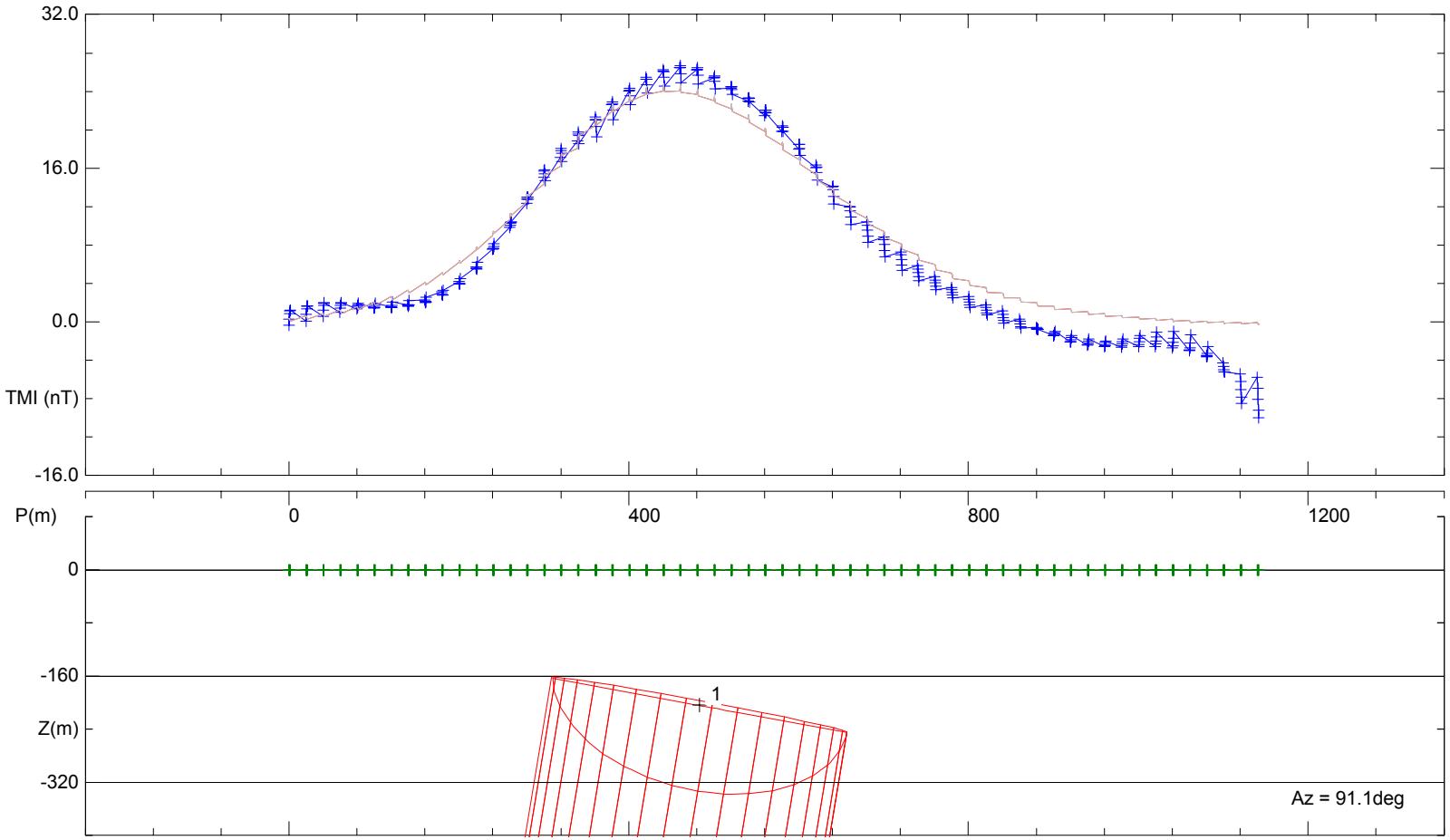
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230322.5	6480888.6	-236.1	21.5	-4.0	59.3	1.000	0.0098	146.325	188.303	578.249



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

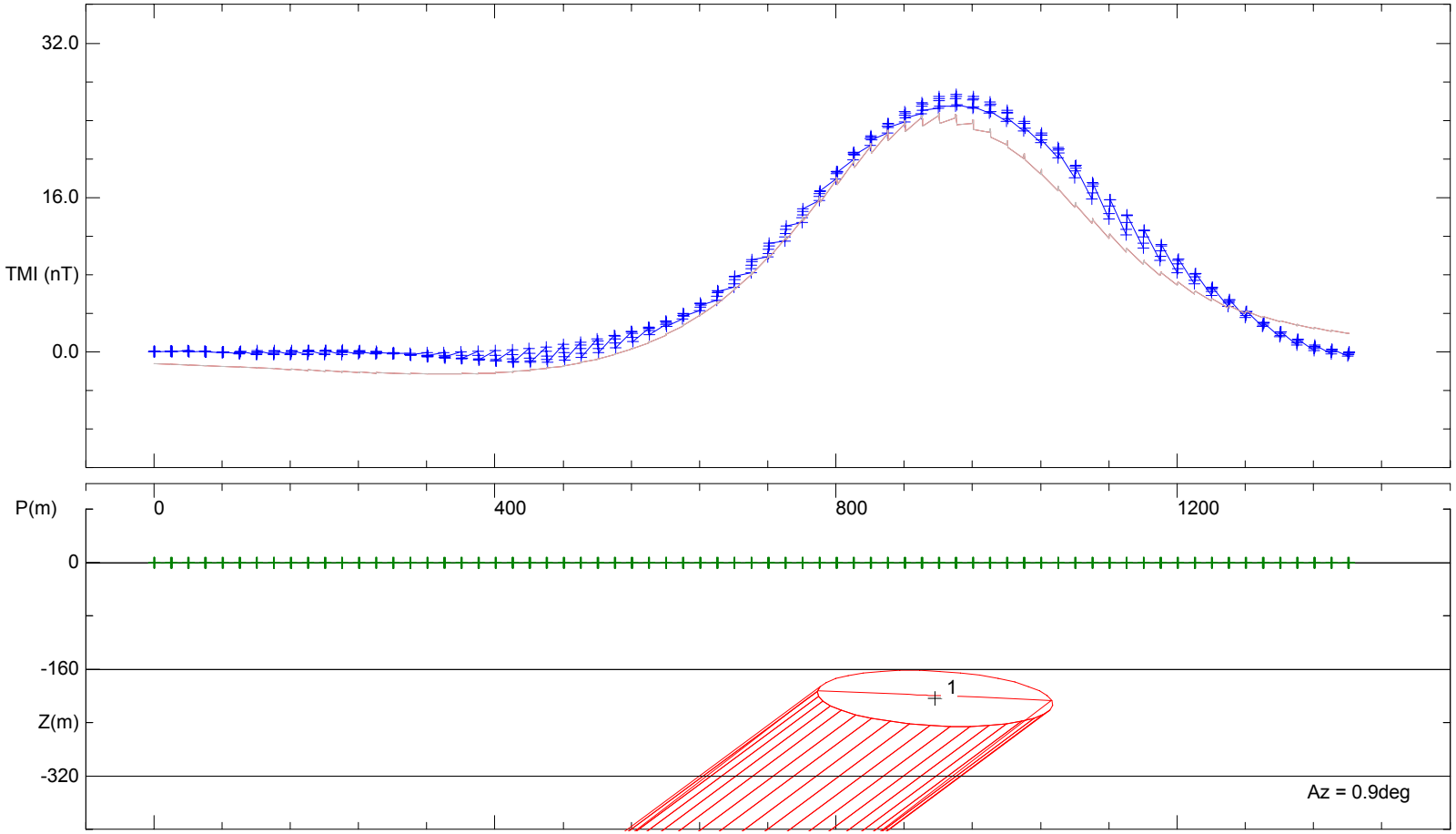
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		230322.5	6480888.6	-236.1	21.5	-4.0	59.3	1.000	0.0098	146.325	188.303	578.249



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

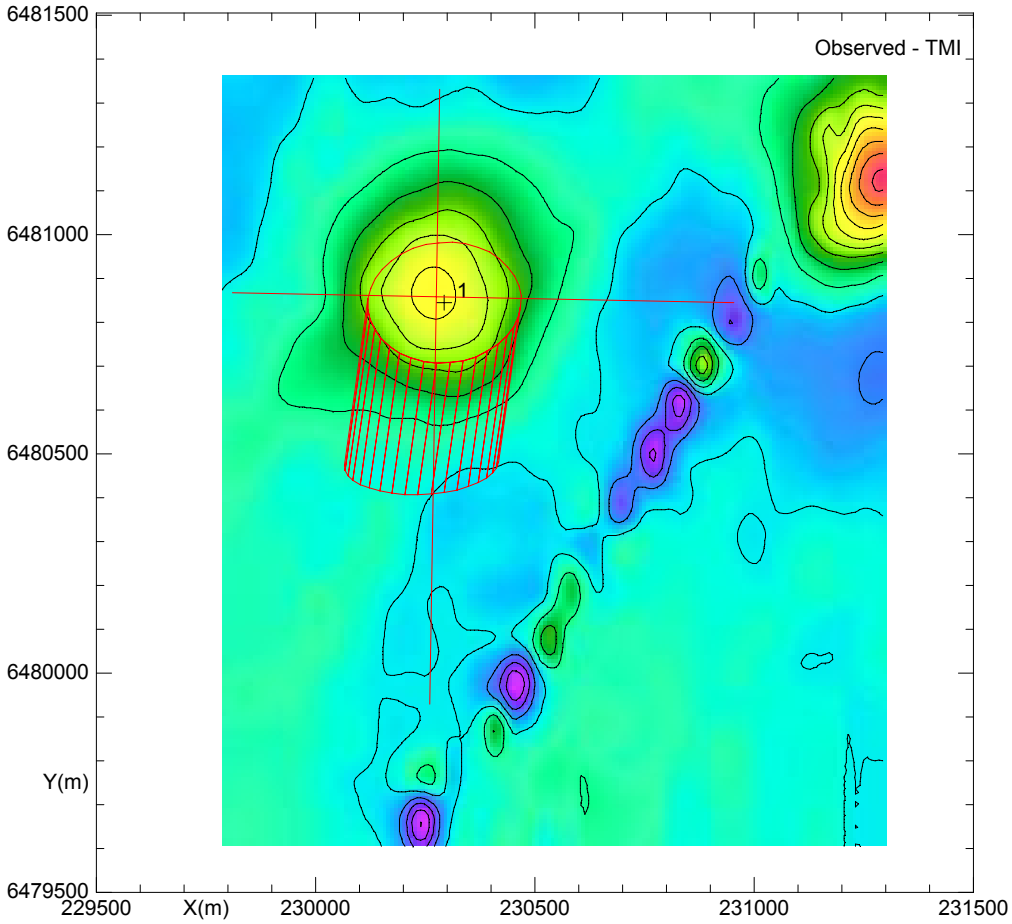
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		230294.5	6480845.6	-203.3	-108.1	43.5	-18.7	1.000	0.0057	199.323	360.127	510.729	46.409



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

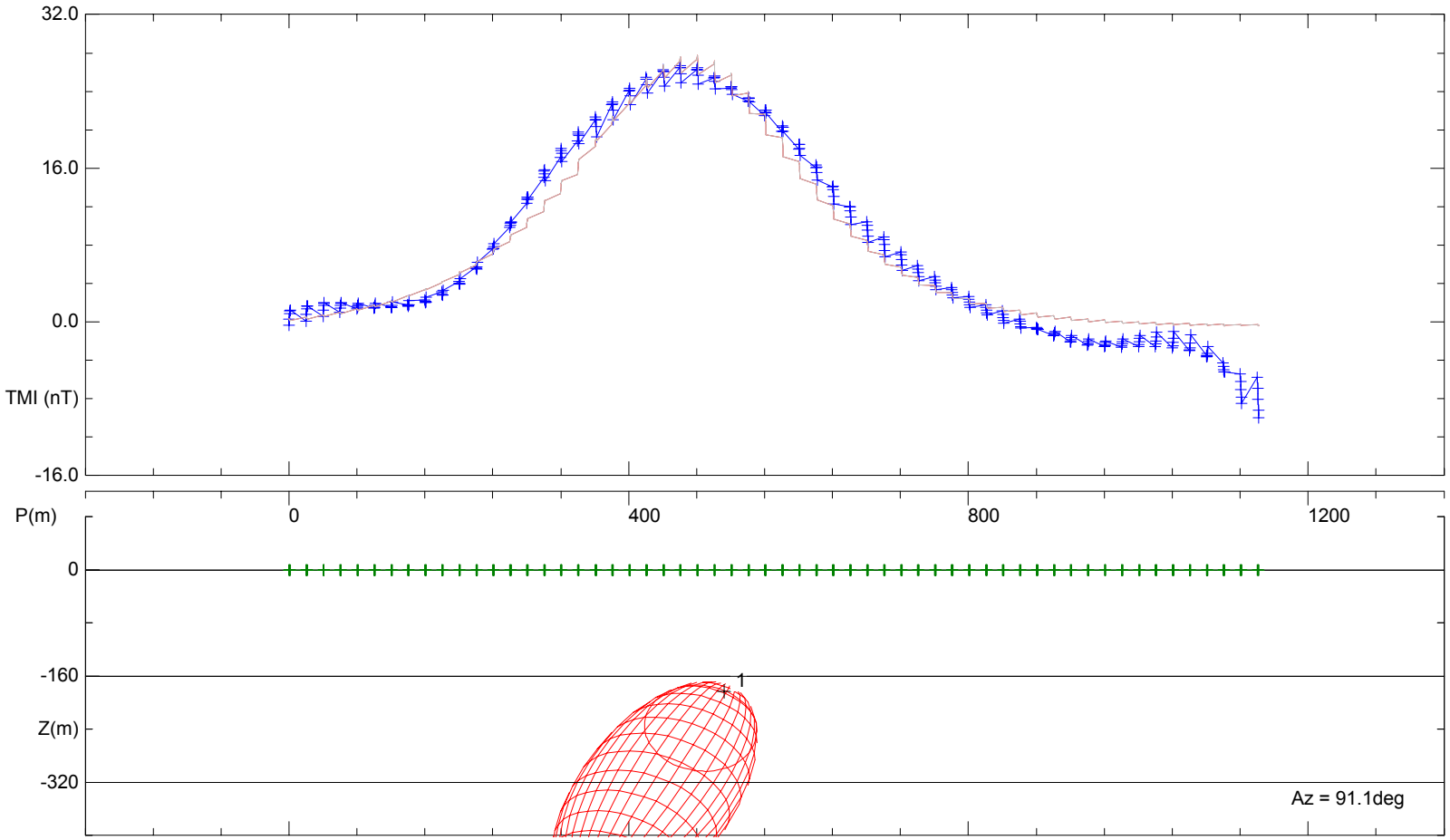
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		230294.5	6480845.6	-203.3	-108.1	43.5	-18.7	1.000	0.0057	199.323	360.127	510.729	46.409



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

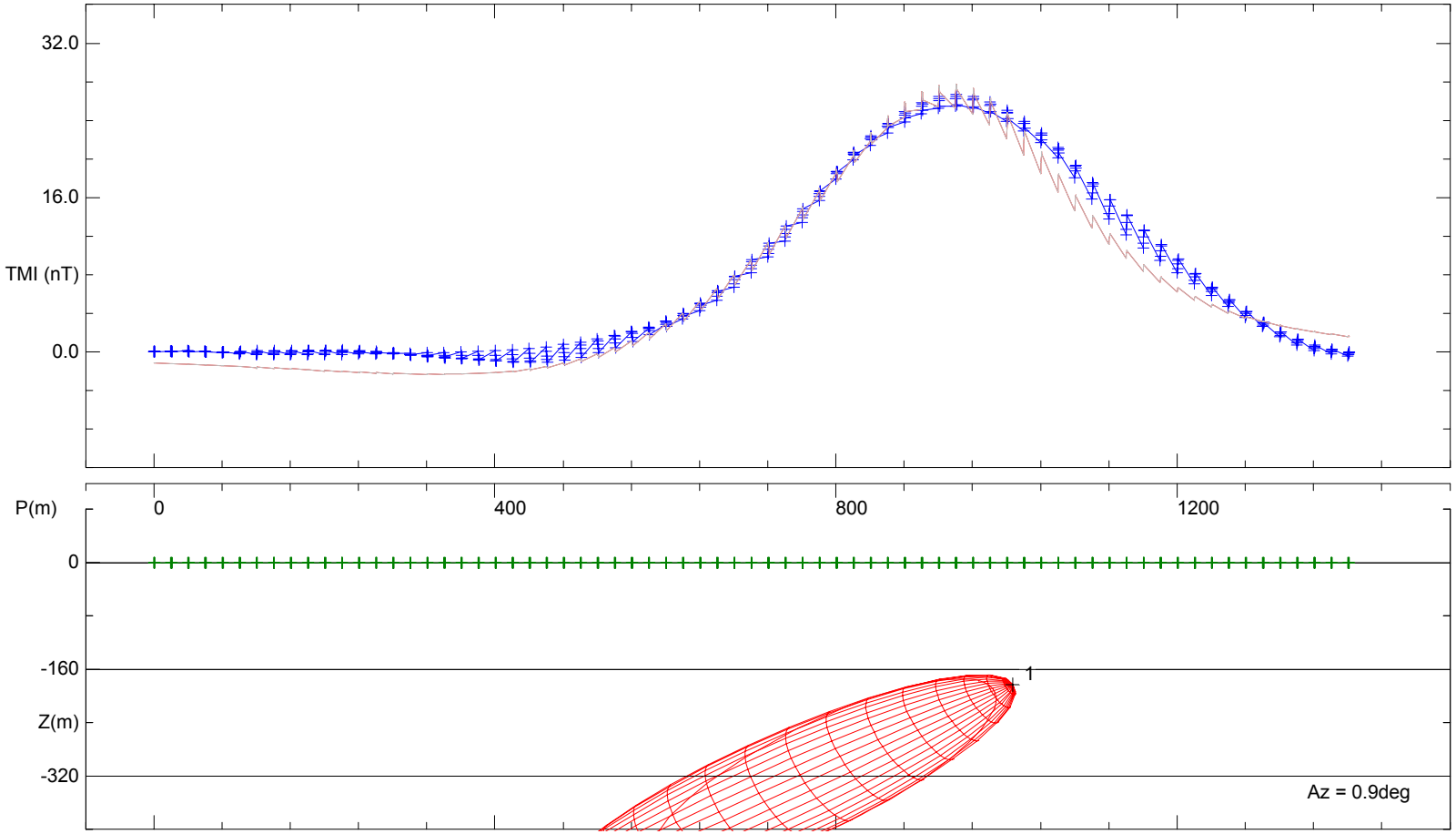
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		230294.5	6480845.6	-203.3	-108.1	43.5	-18.7	1.000	0.0057	199.323	360.127	510.729	46.409



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

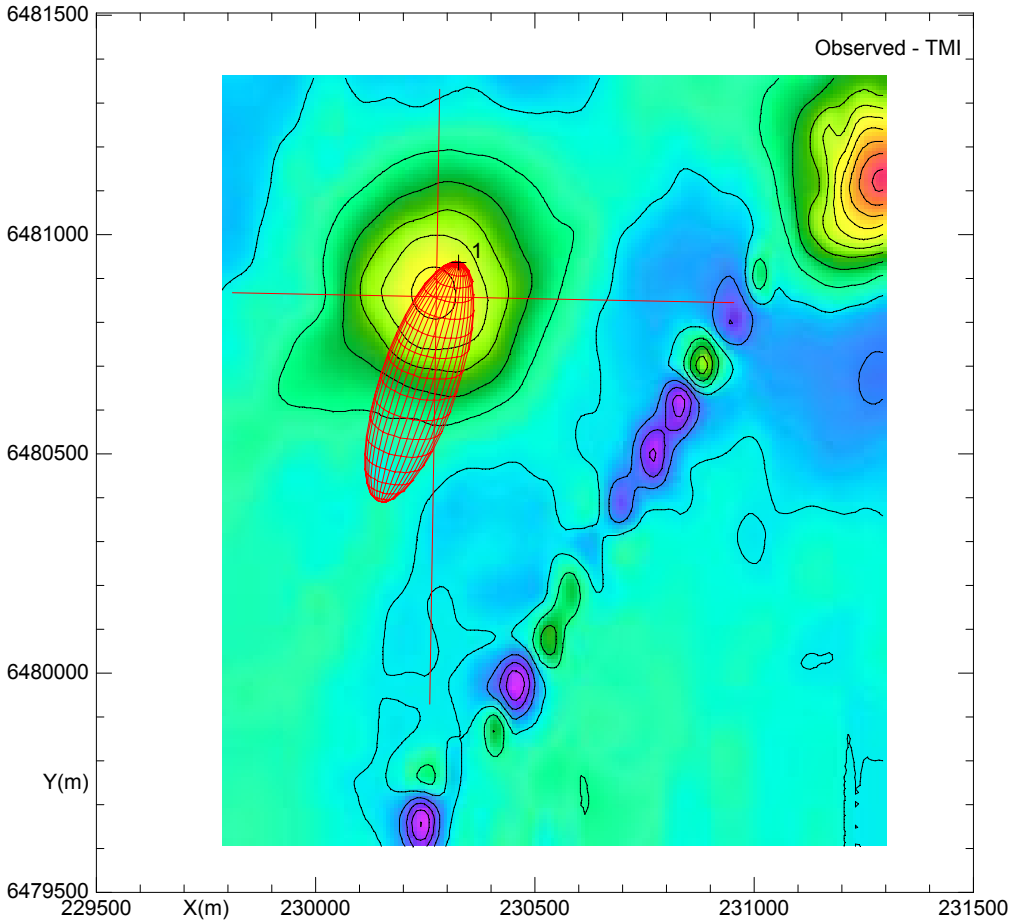
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230326.1	6480936.4	-183.2	-126.6	45.8	-45.2	1.000	0.0141	150.901	191.199	654.819



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

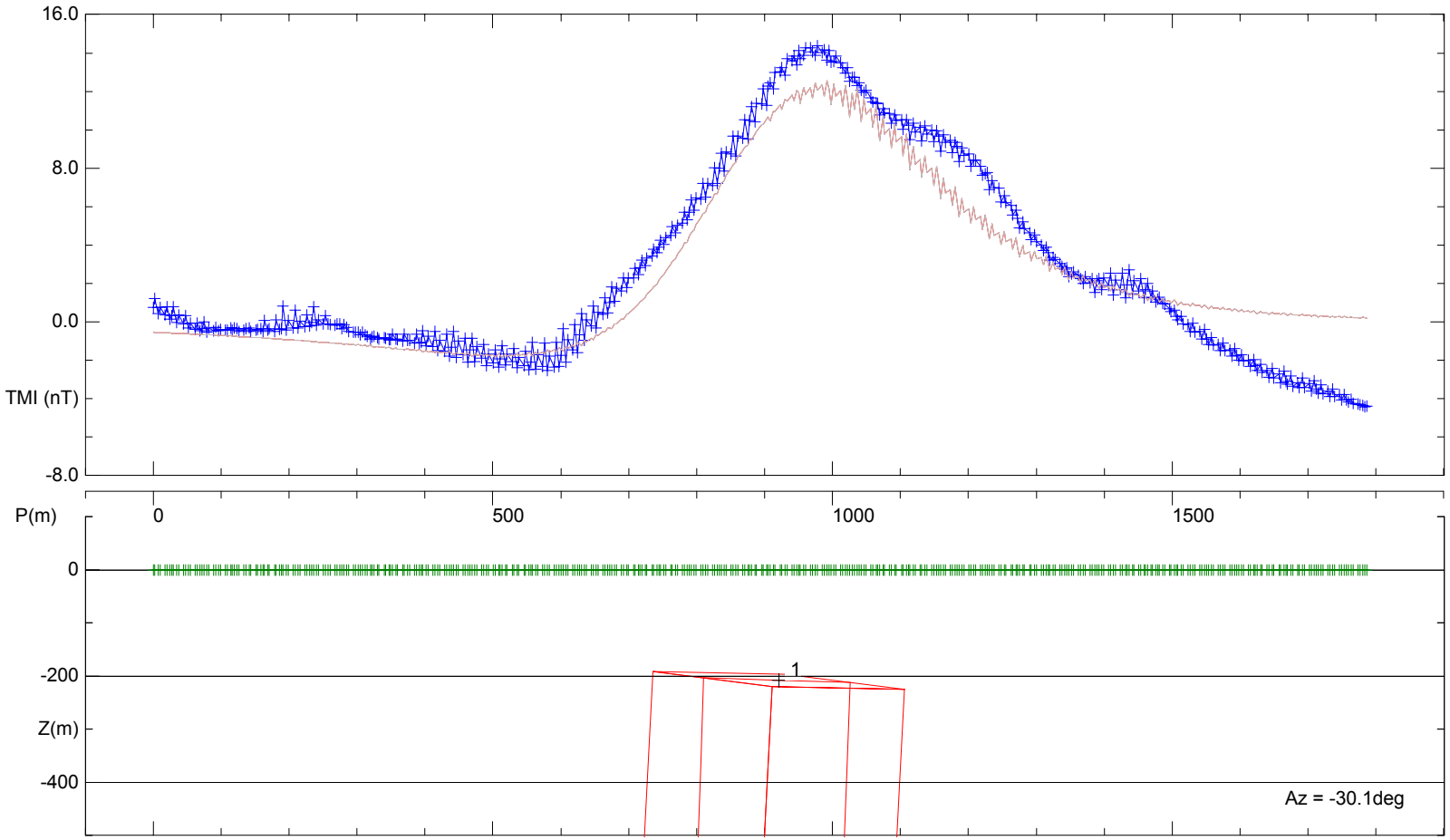
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230326.1	6480936.4	-183.2	-126.6	45.8	-45.2	1.000	0.0141	150.901	191.199	654.819



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

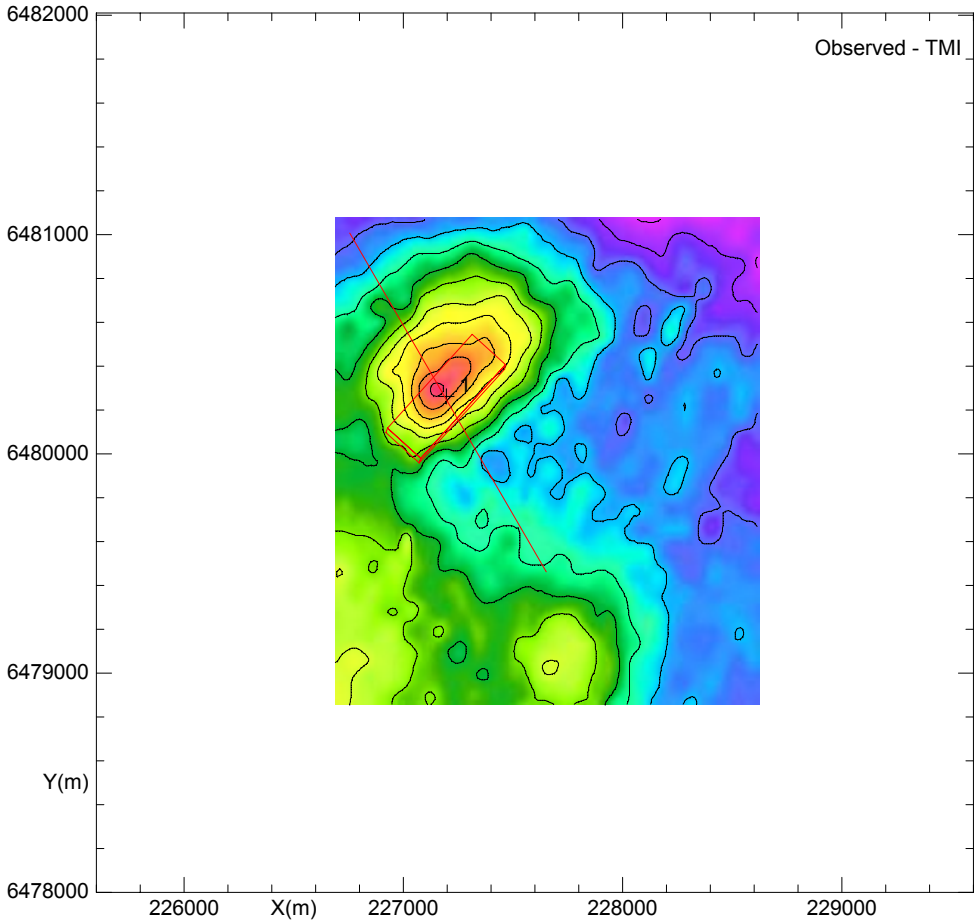
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		230326.1	6480936.4	-183.2	-126.6	45.8	-45.2	1.000	0.0141	150.901	191.199	654.819



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

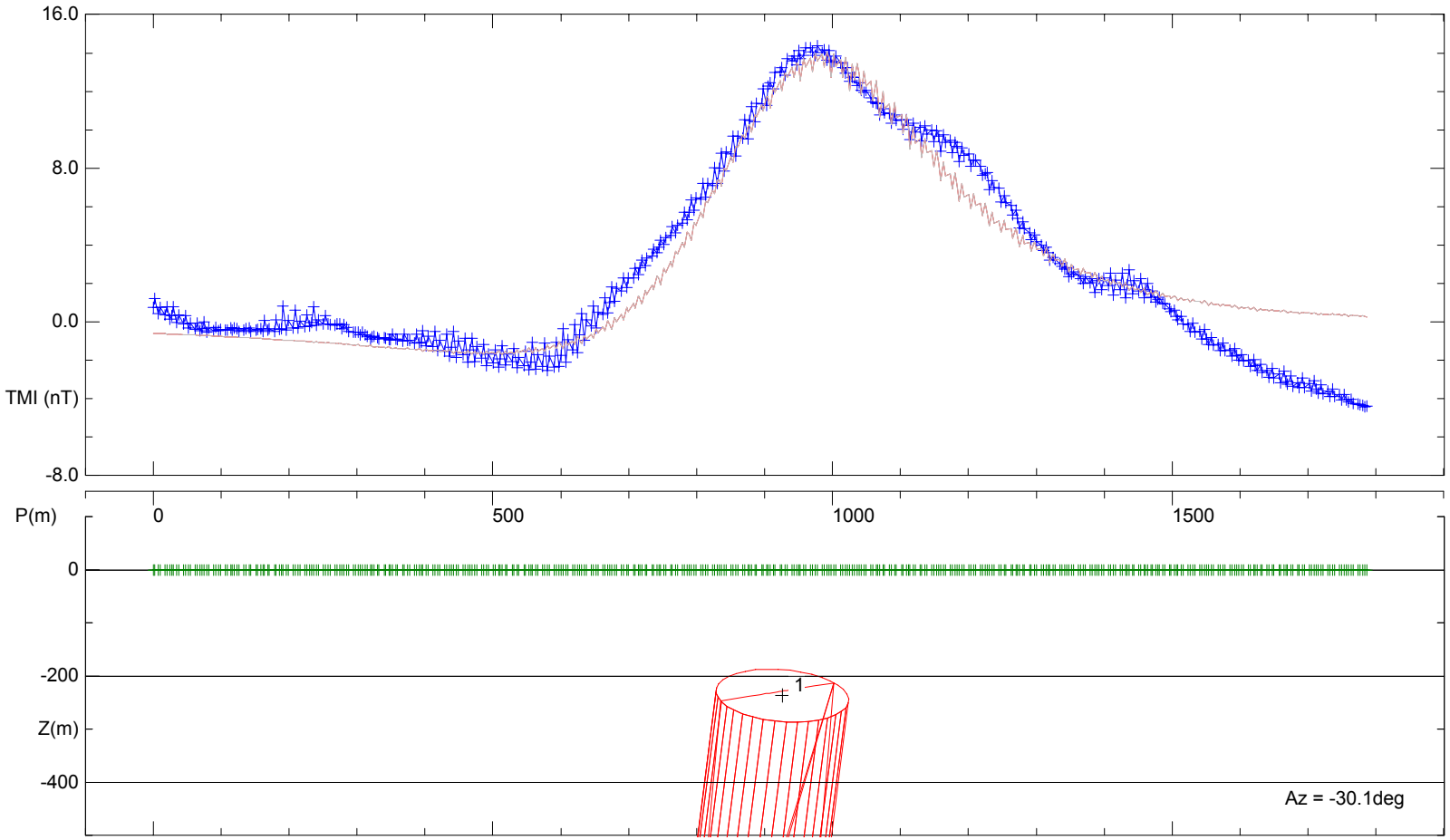
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		227198.2	6480263.8	-207.8	-137.9	1.5	-2.8	1.000	0.0028	204.984	577.917	377.066



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

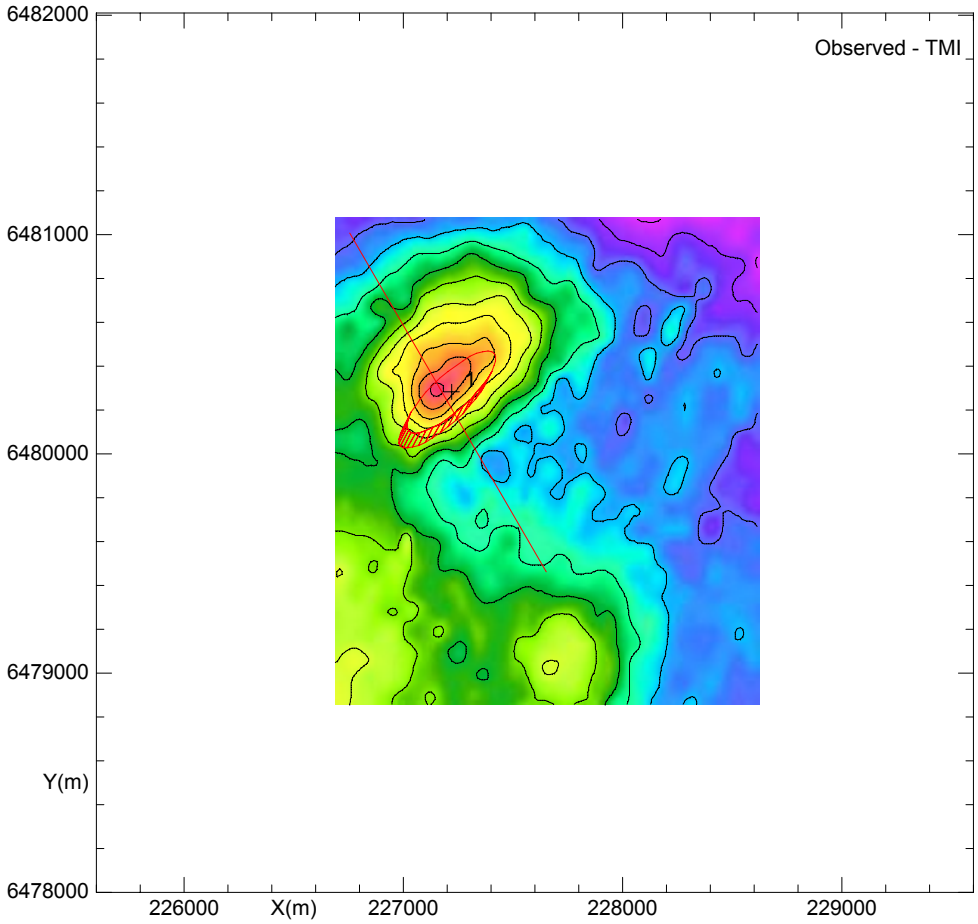
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		227198.2	6480263.8	-207.8	-137.9	1.5	-2.8	1.000	0.0028	204.984	577.917	377.066



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		227221.4	6480283.3	-236.4	-132.6	3.6	-9.9	1.000	0.0048	162.278	534.085	431.181	72.702



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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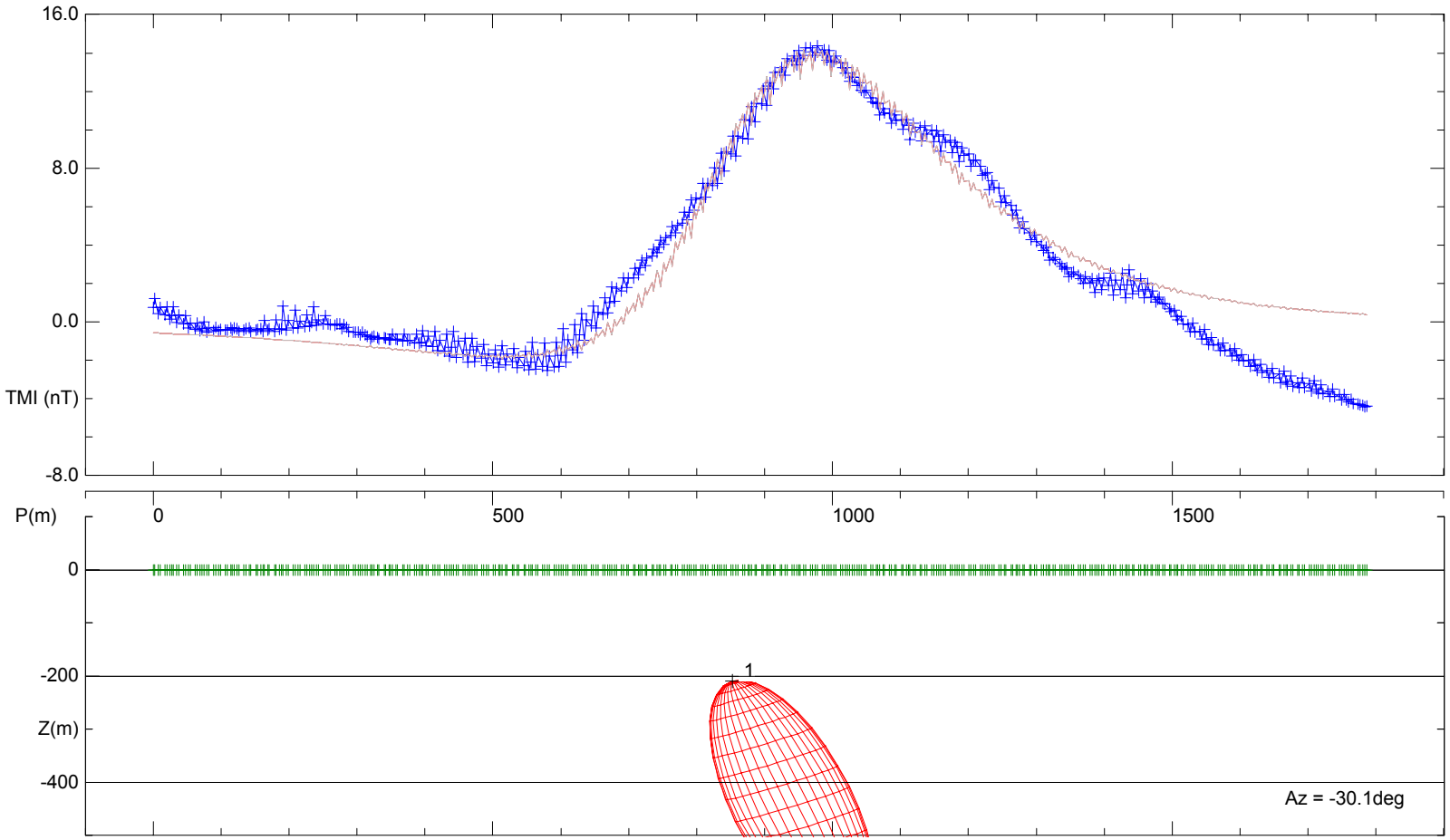
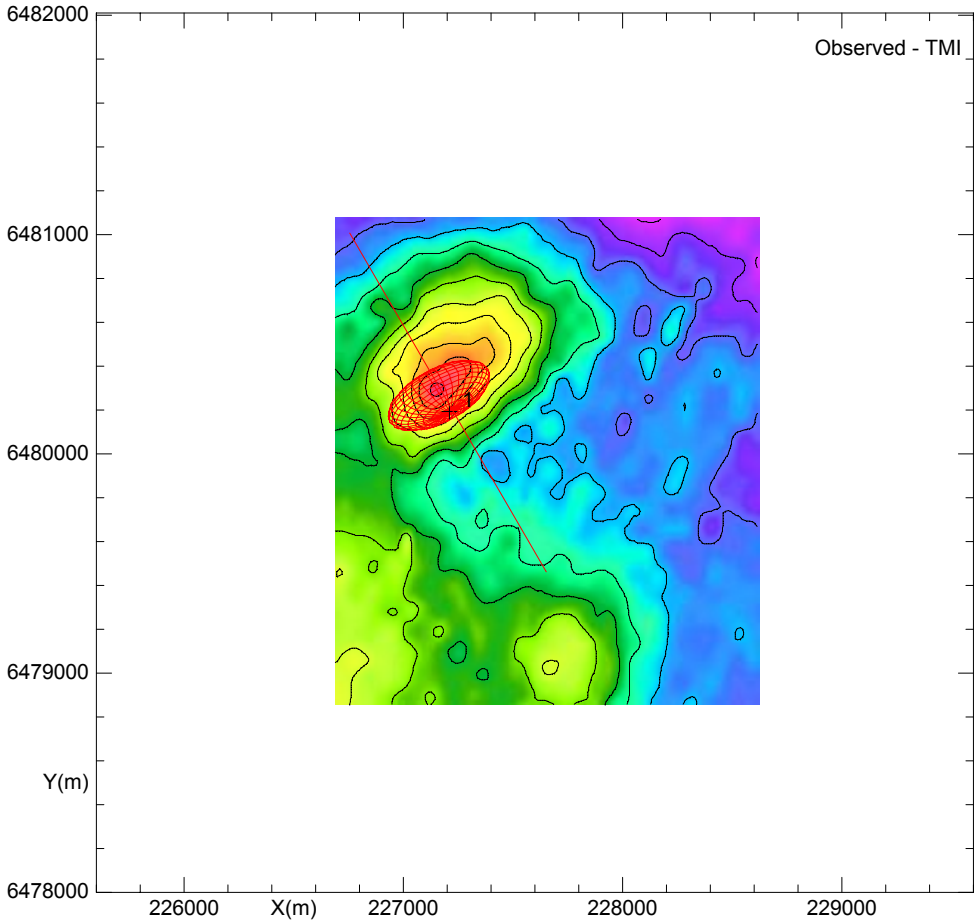


Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		227212.0	6480193.1	-209.5	-118.0	-20.9	-1.8	1.000	0.0060	179.659	507.721	494.276



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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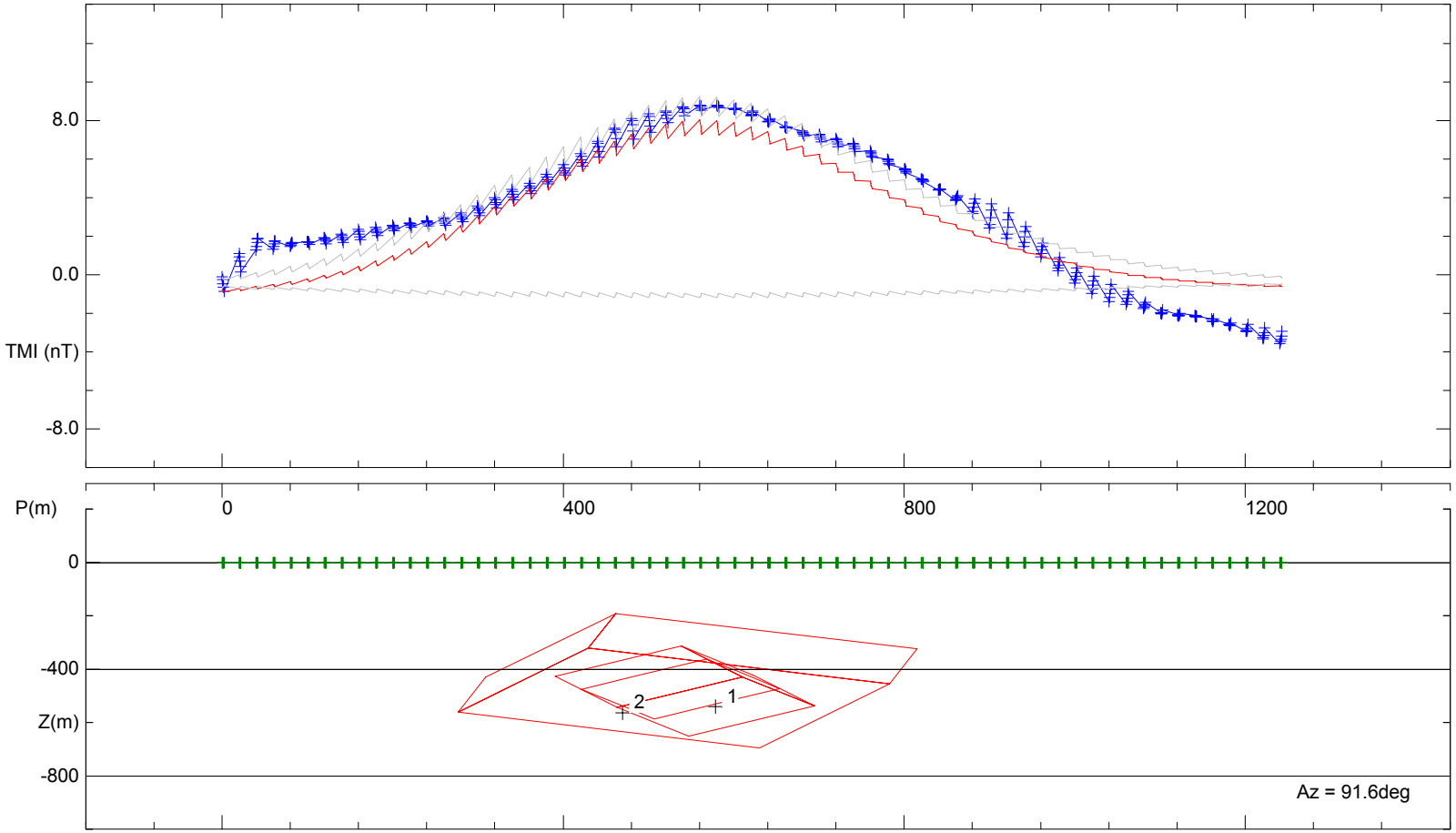
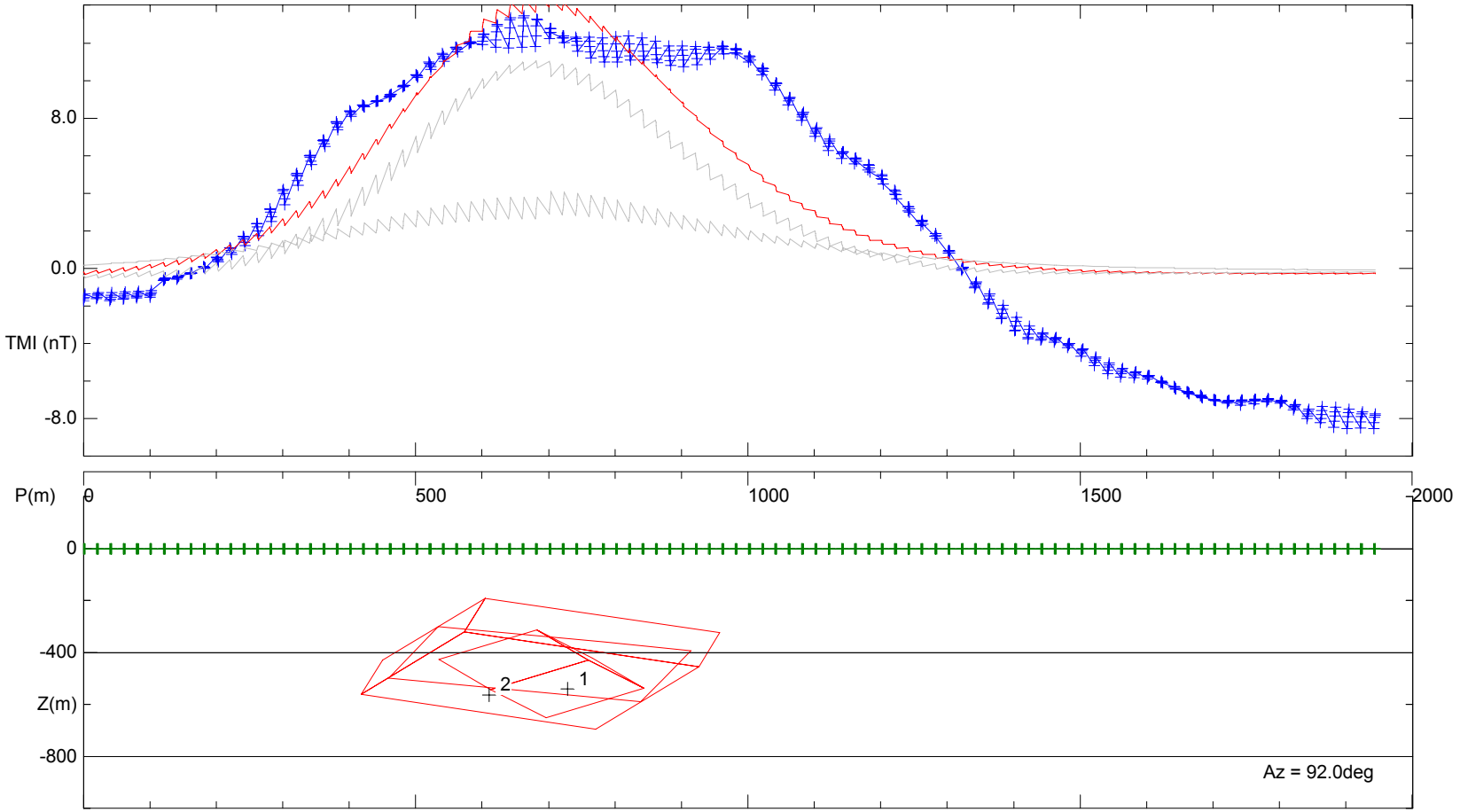


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		219049.9	6476360.6	-539.4	2.6	142.5	-81.7	1.000	0.0106	185.680	139.205	1007.741
2	RectPrism		218983.5	6477855.2	-561.9	-70.6	128.9	33.8	1.000	0.0047	168.639	382.387	459.463



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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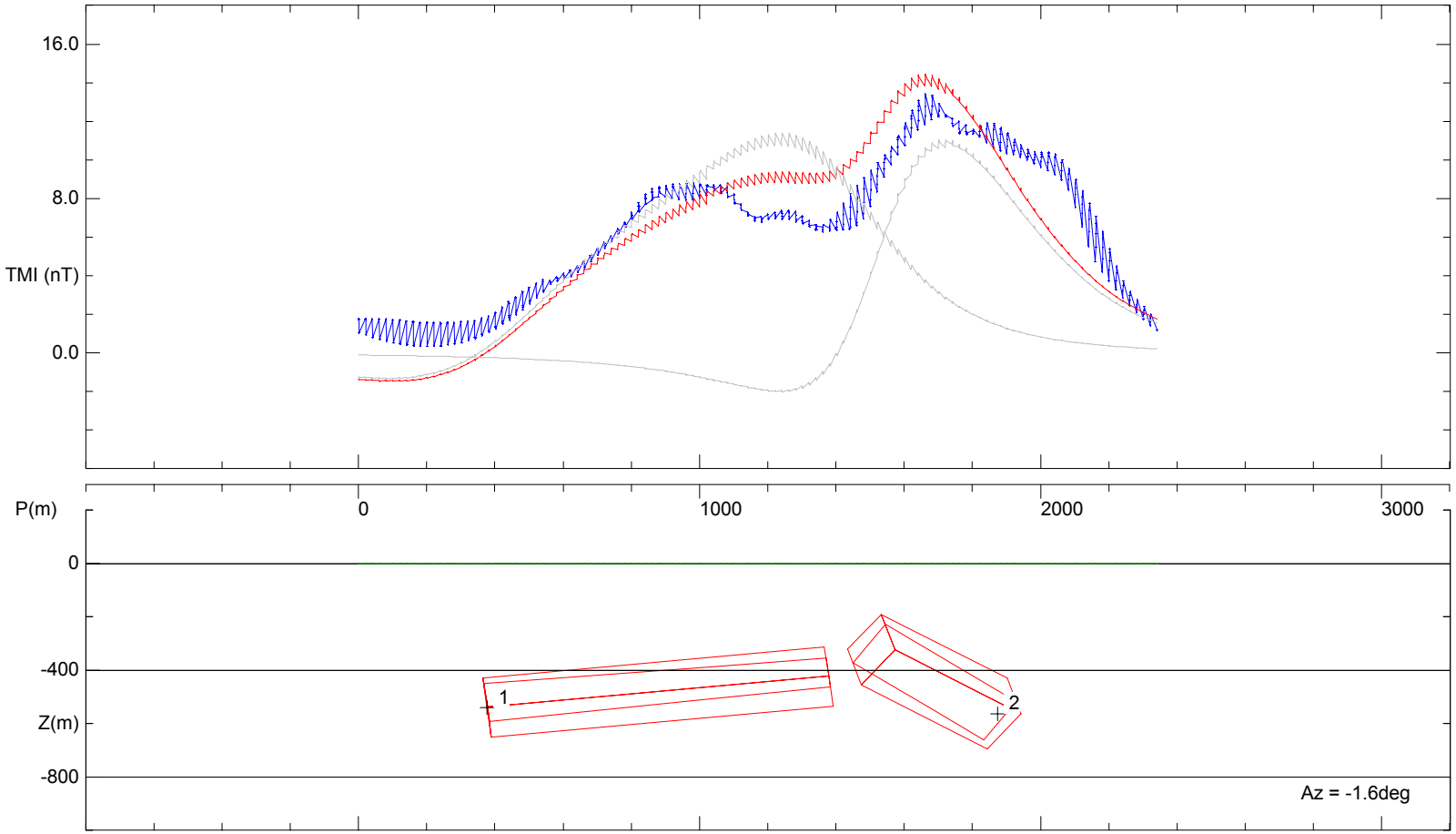

Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

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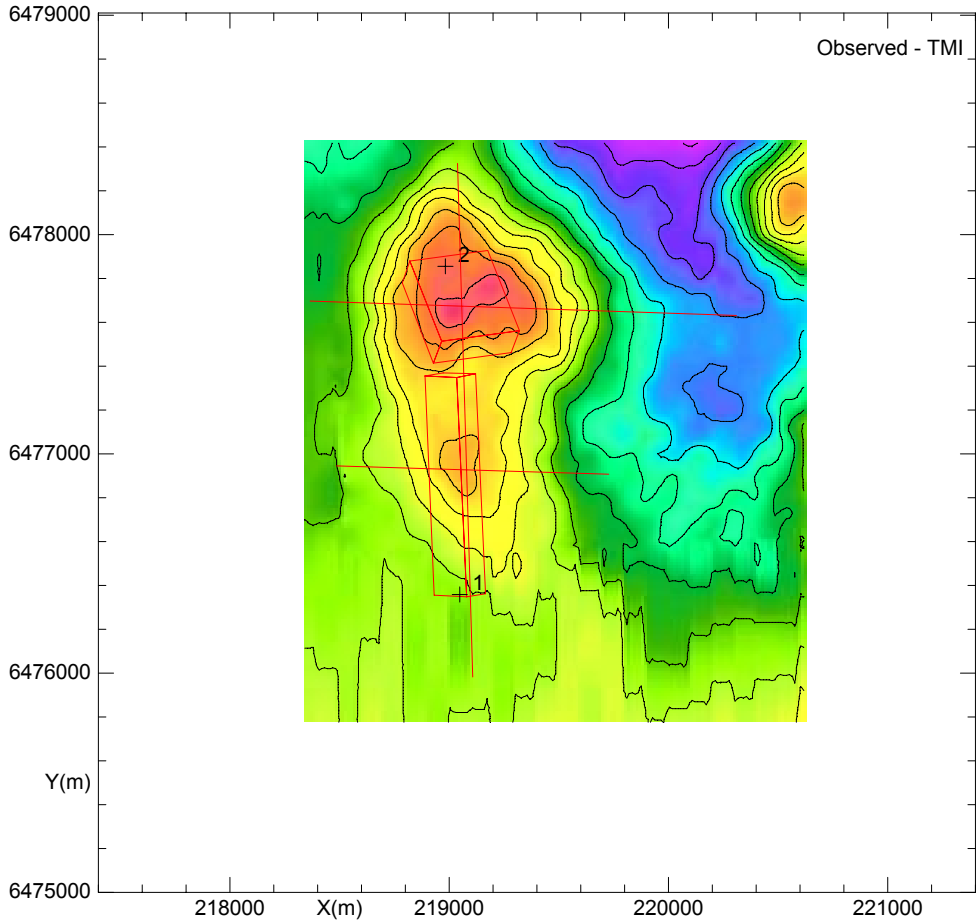

Model Summary

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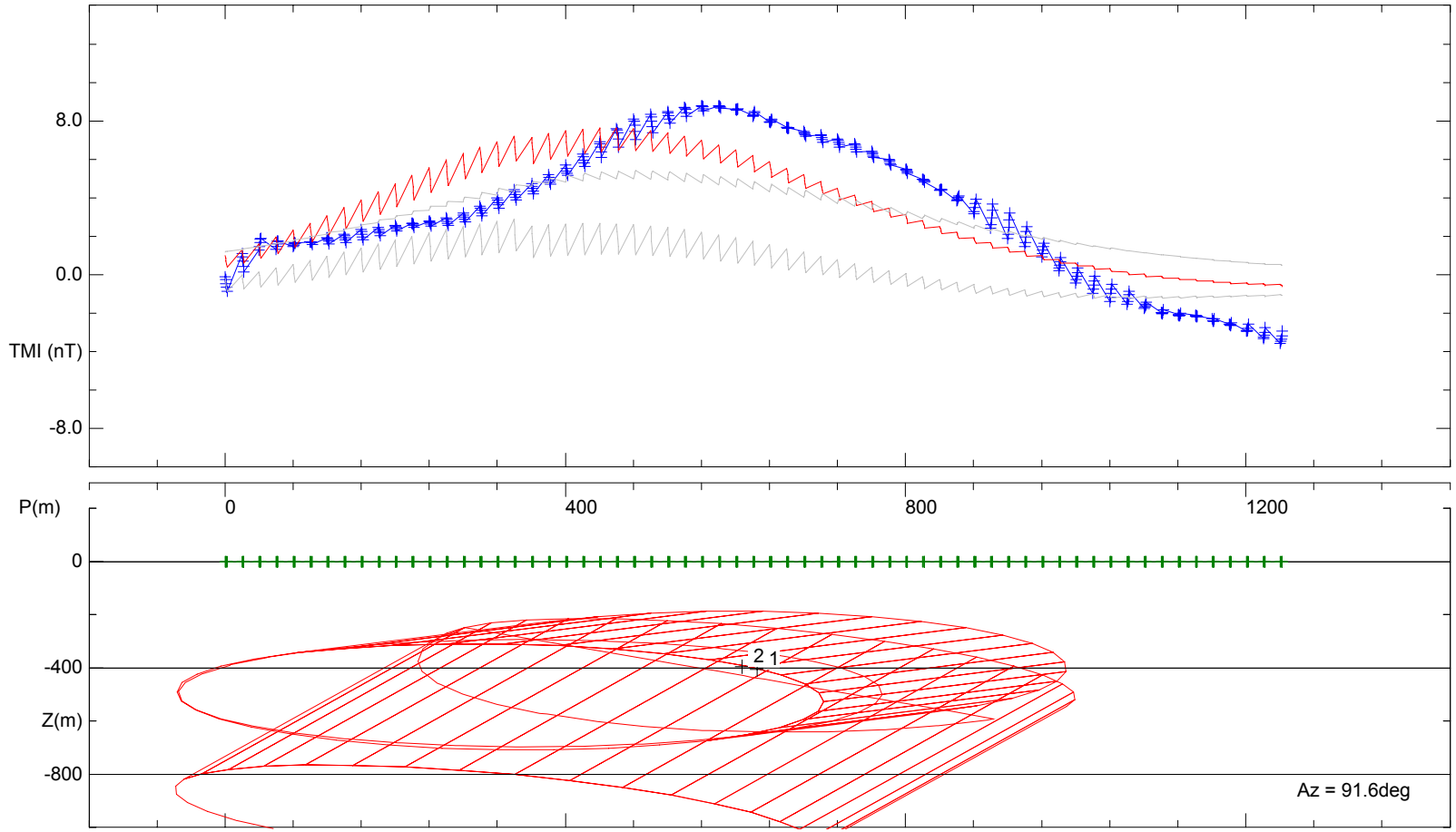
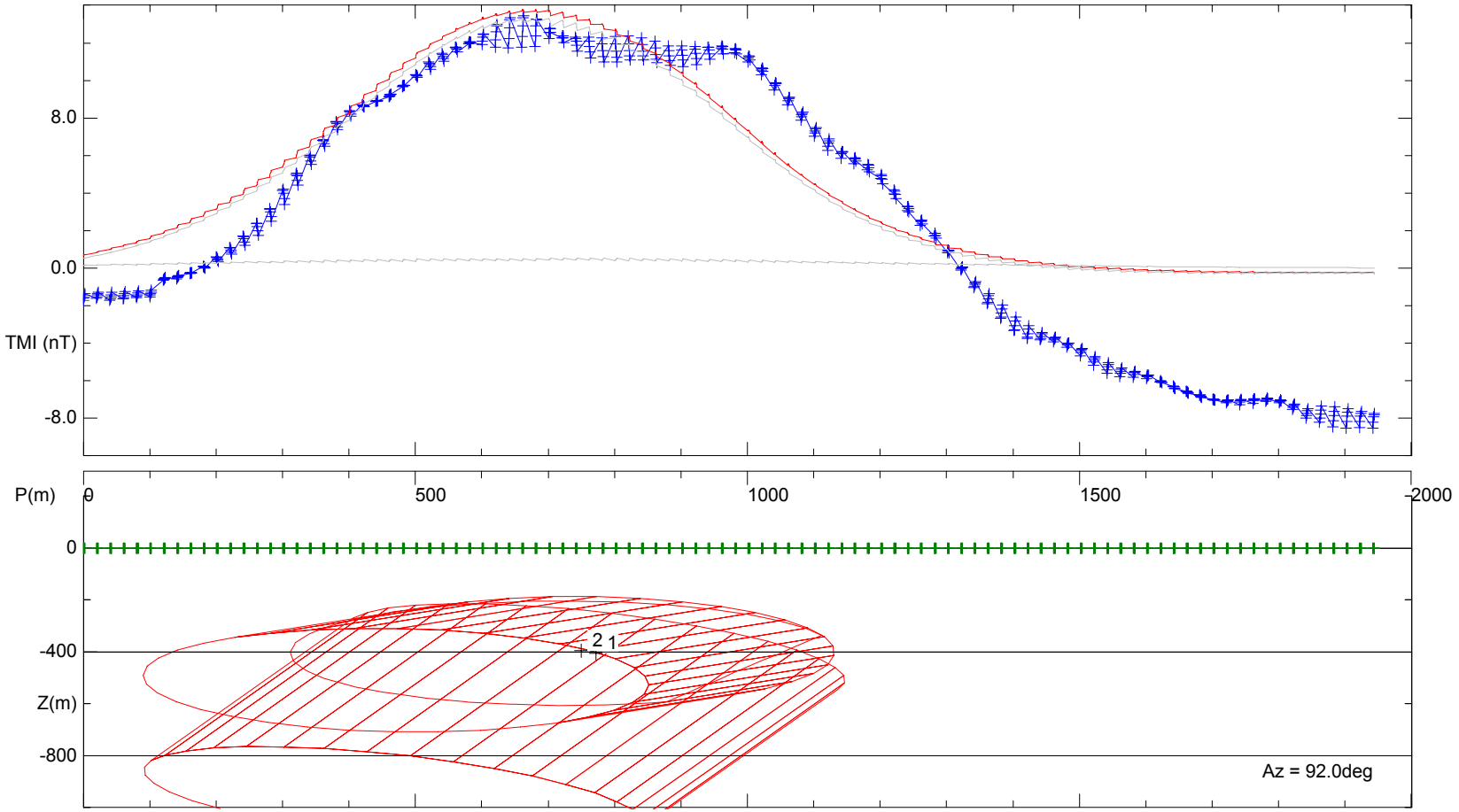


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		219112.0	6476904.8	-406.1	-99.8	51.6	-27.2	1.000	0.0008	400.769	793.441	998.538	89.196
2	Cylinder		219119.3	6477758.8	-394.4	-94.5	82.9	-22.7	1.000	0.0014	400.793	793.429	996.601	110.182



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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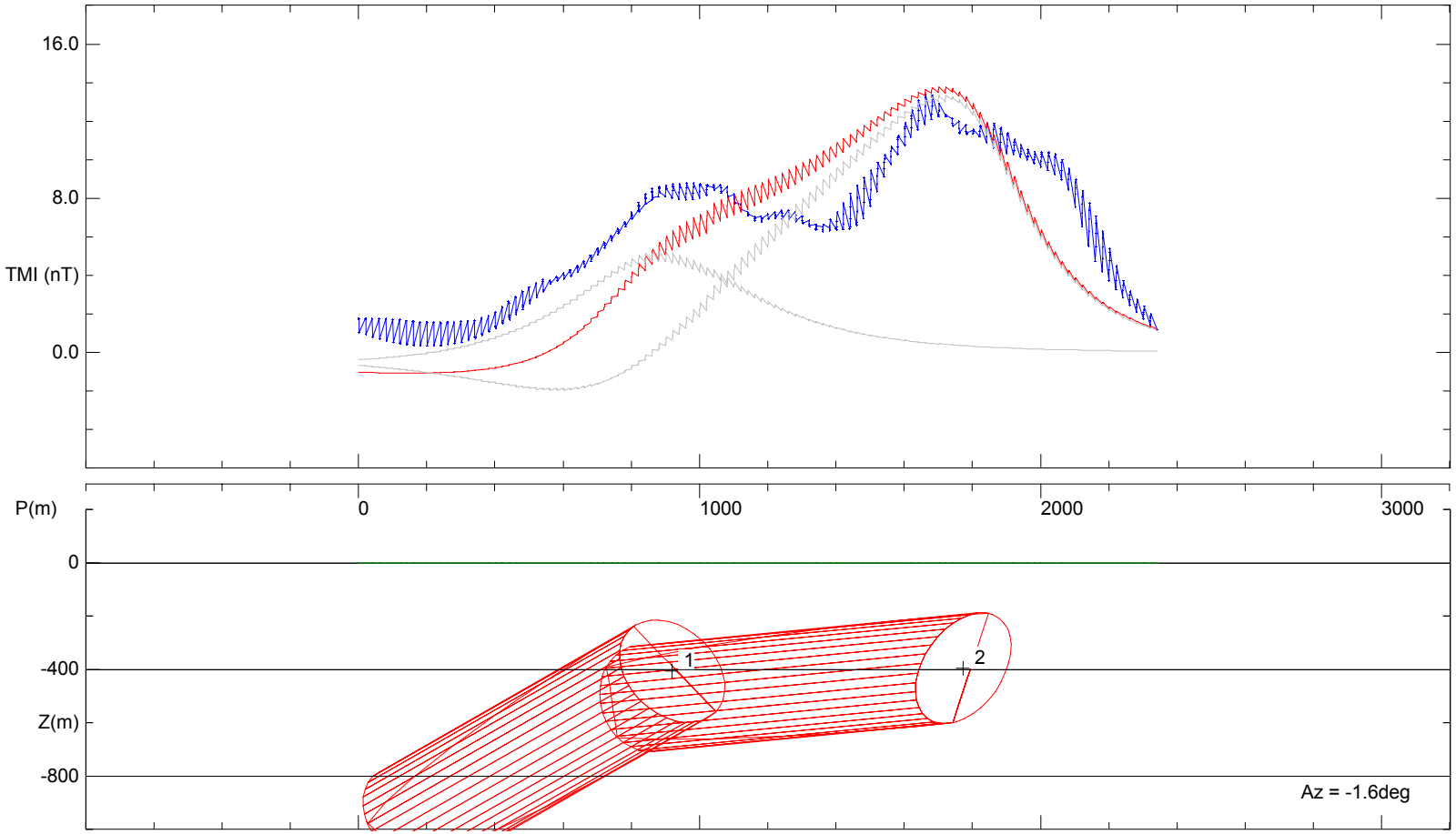

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Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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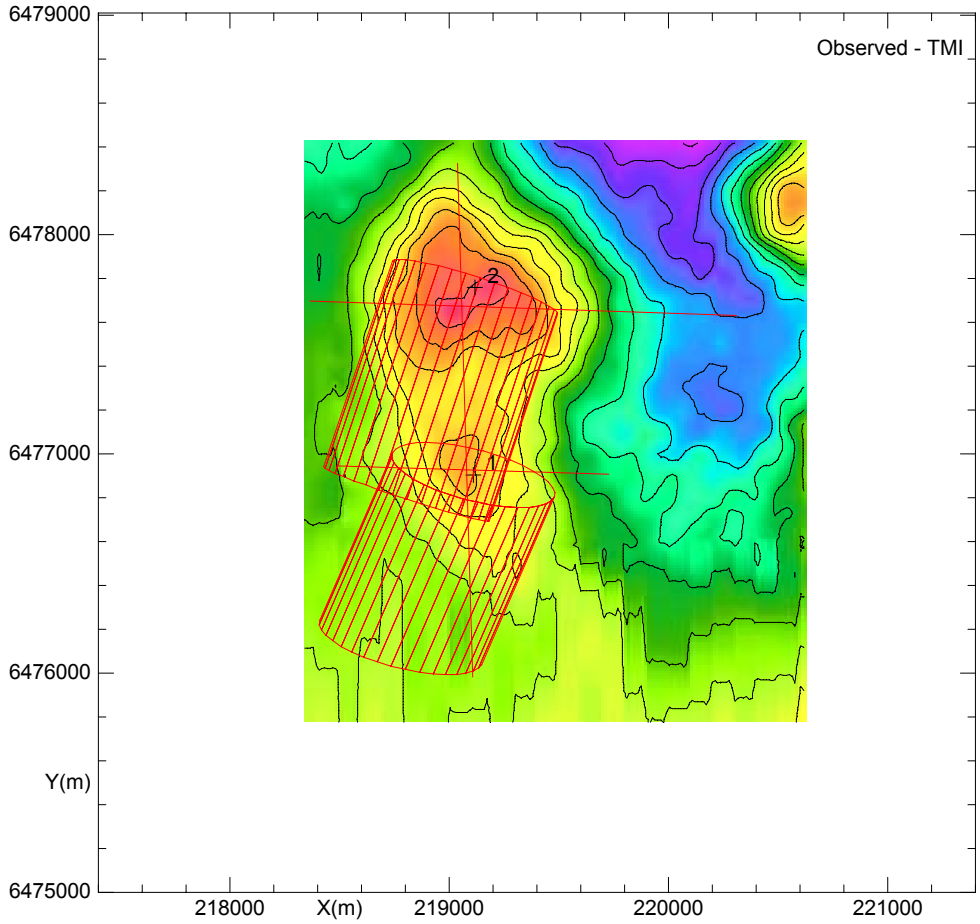

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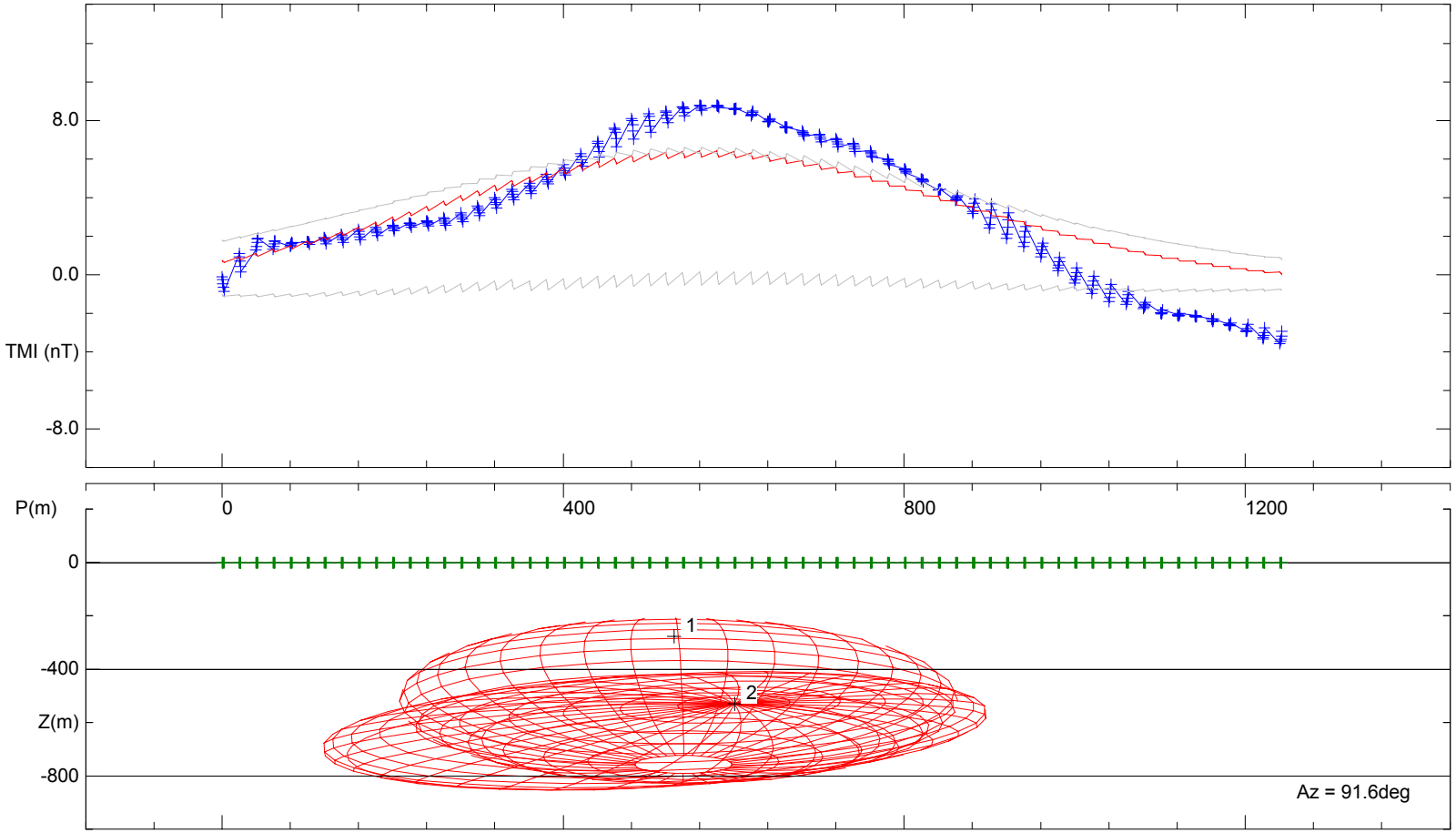
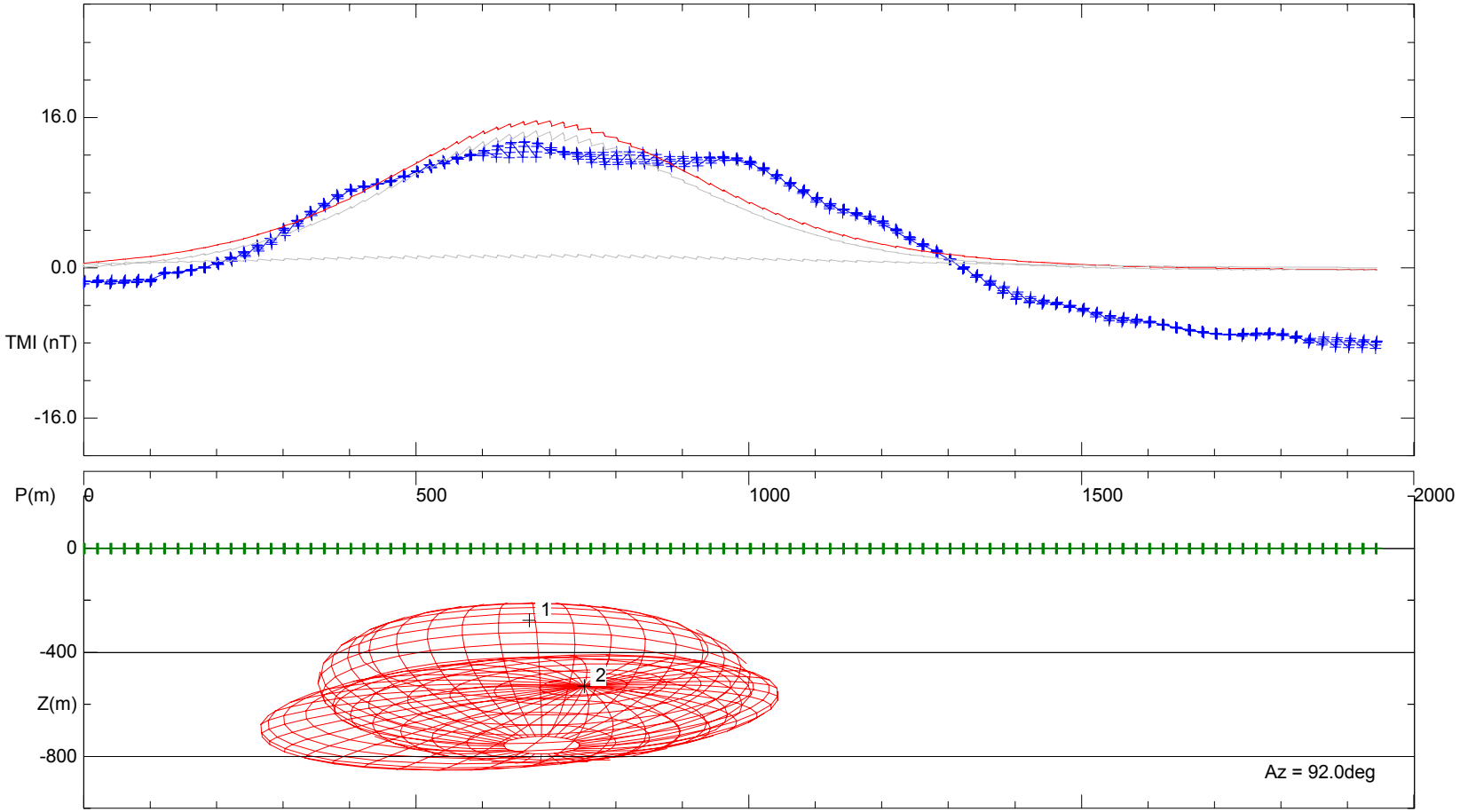


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		219045.4	6477909.2	-275.2	-88.9	67.1	0.0	1.000	0.0018	423.709	654.959	1248.057
2	Ellipsoid		219065.7	6476116.7	-528.3	-140.9	-76.0	42.0	1.000	0.0019	386.032	779.090	1136.658



Model Summary

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Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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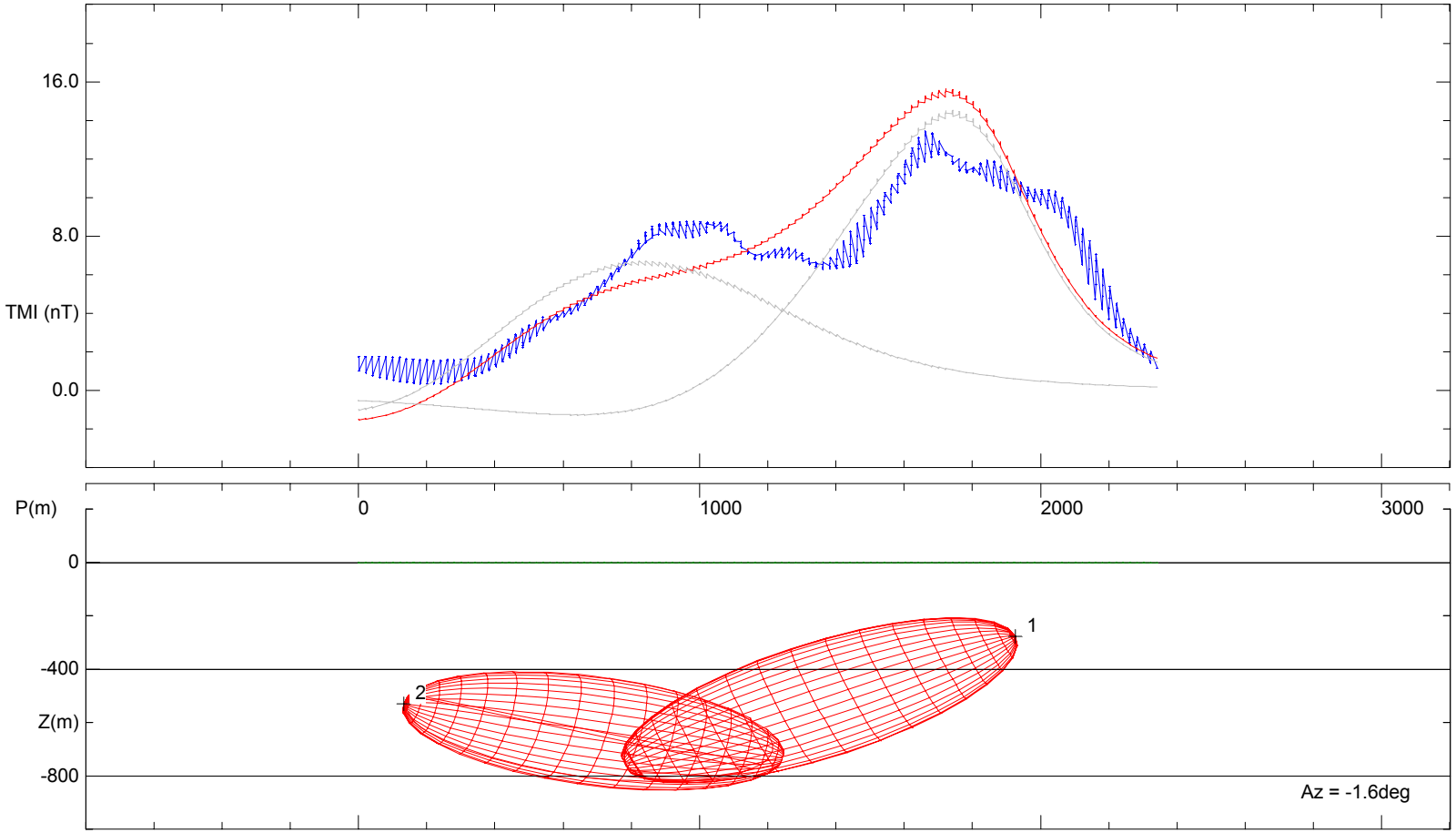

Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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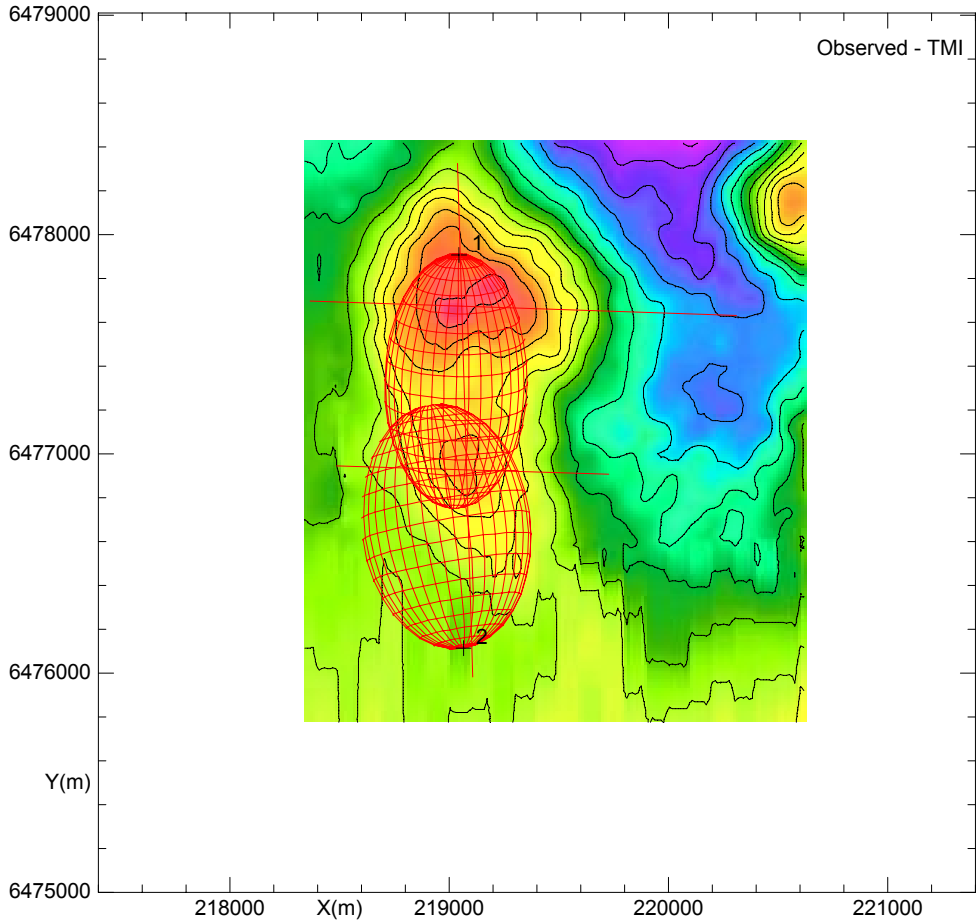

Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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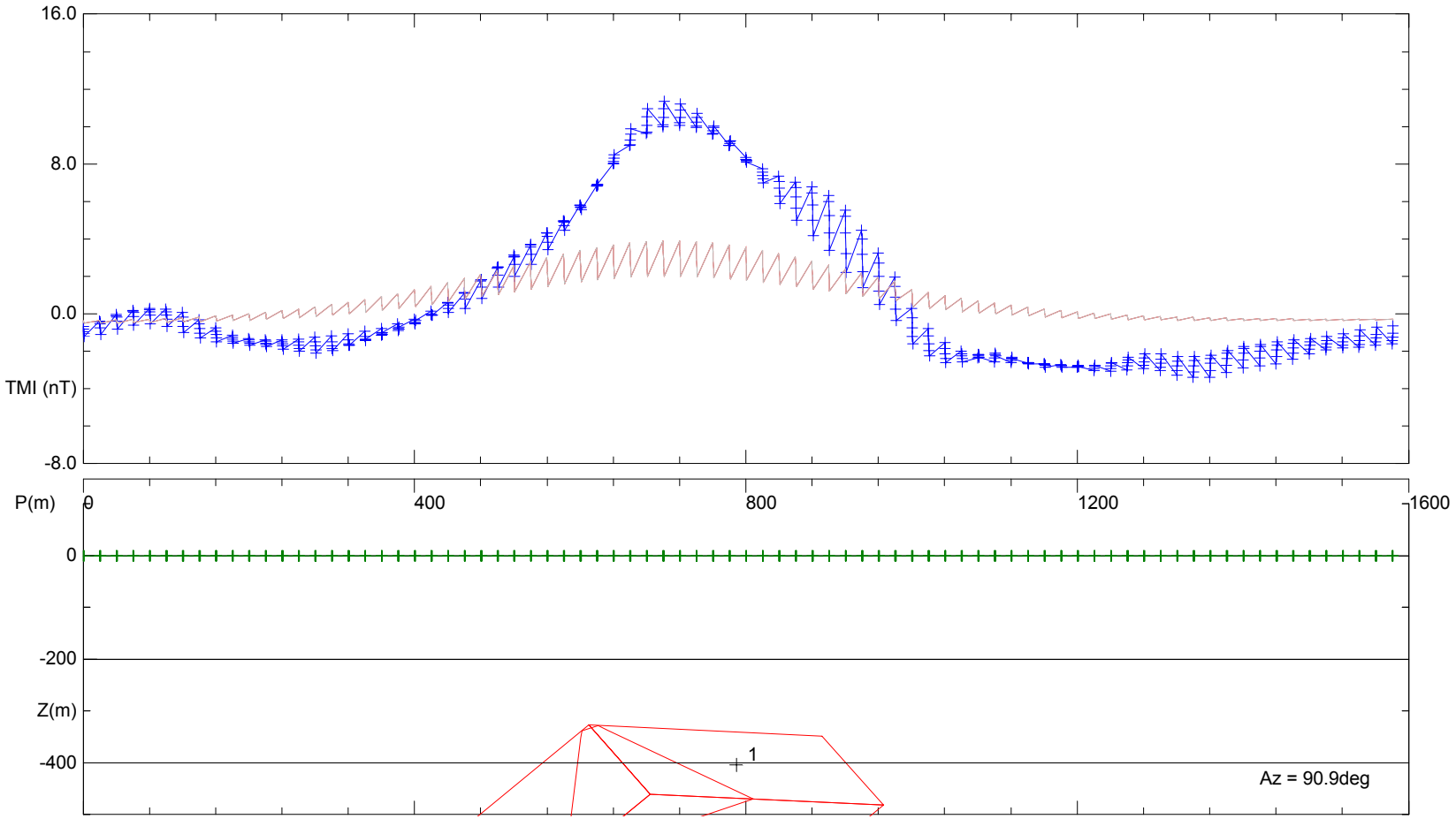
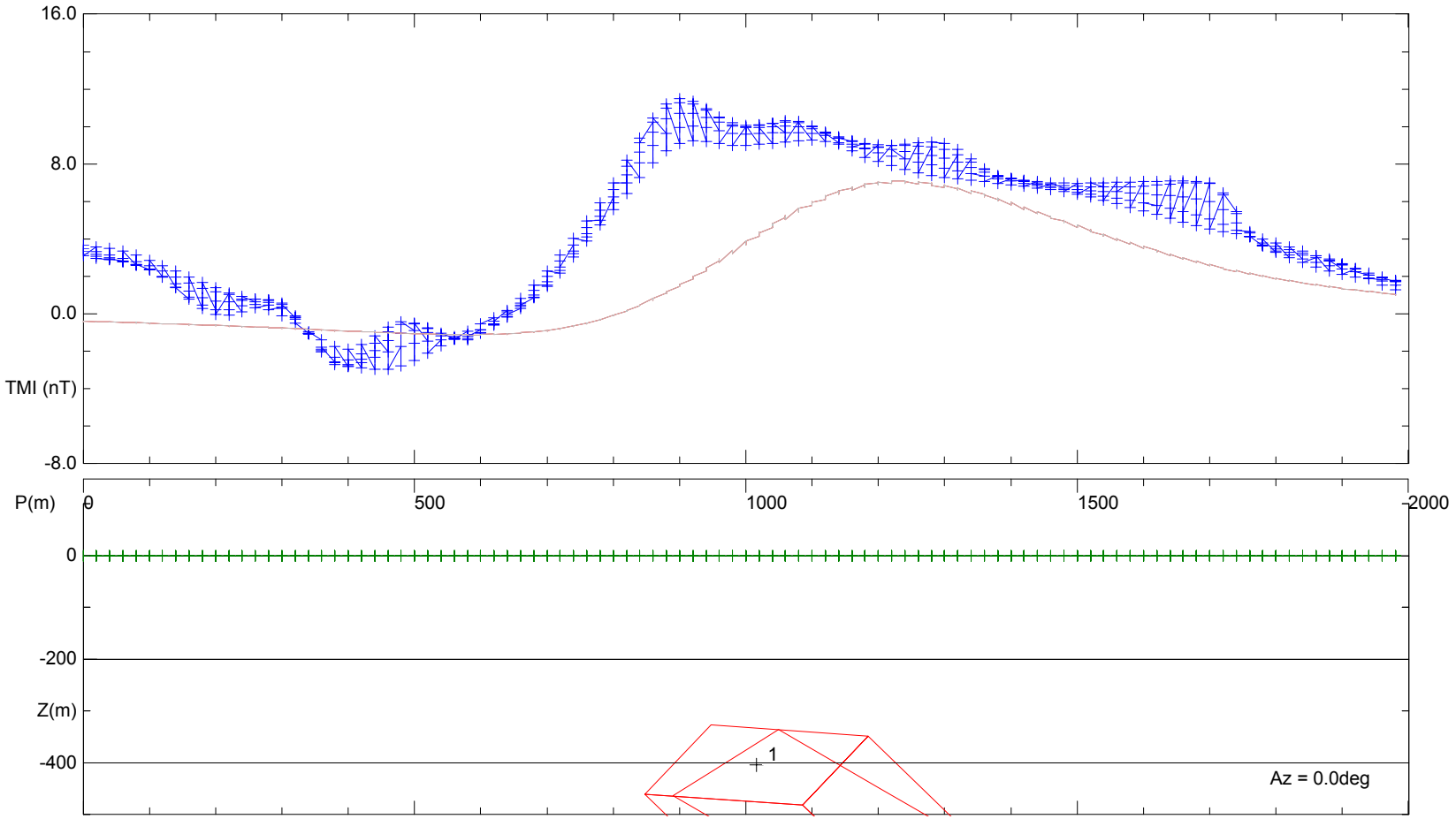
2	Ellipsoid		219065.7	6476116.7	-528.3	-140.9	-76.0	42.0	1.000	0.0019	386.032	779.090	1136.658



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

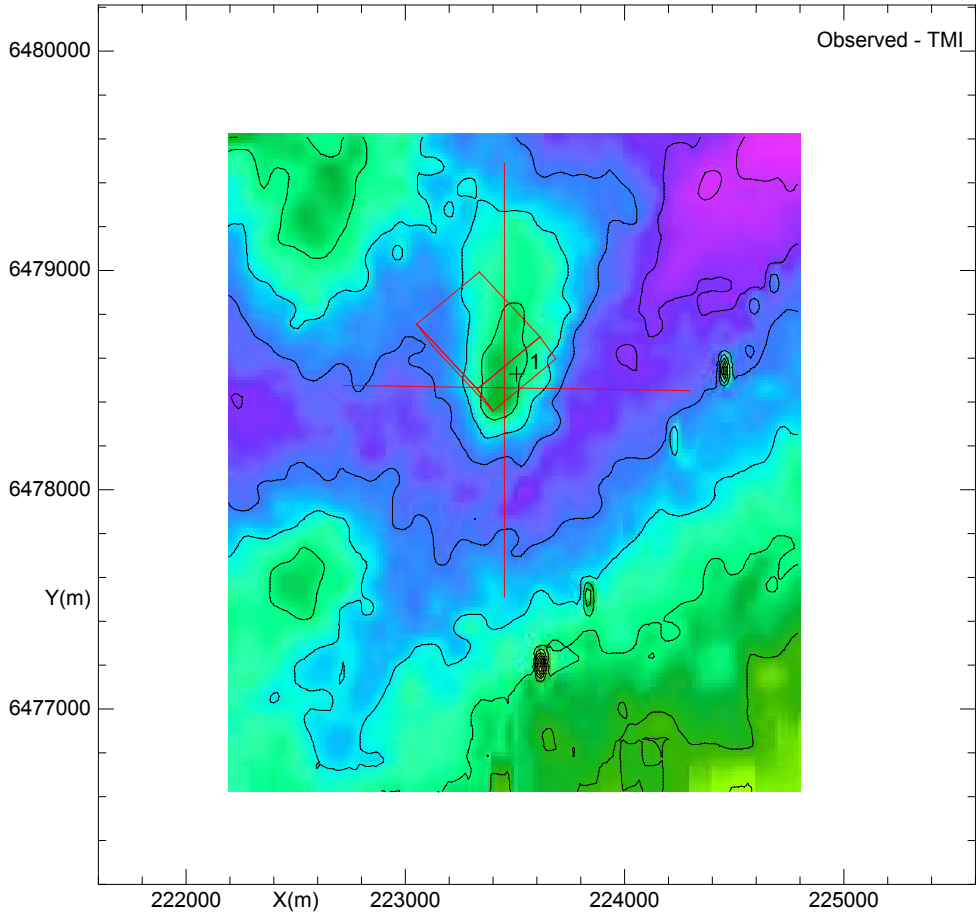
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		223509.5	6478528.4	-404.2	-126.2	-47.4	-4.9	1.000	0.0051	181.090	372.140	548.723



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

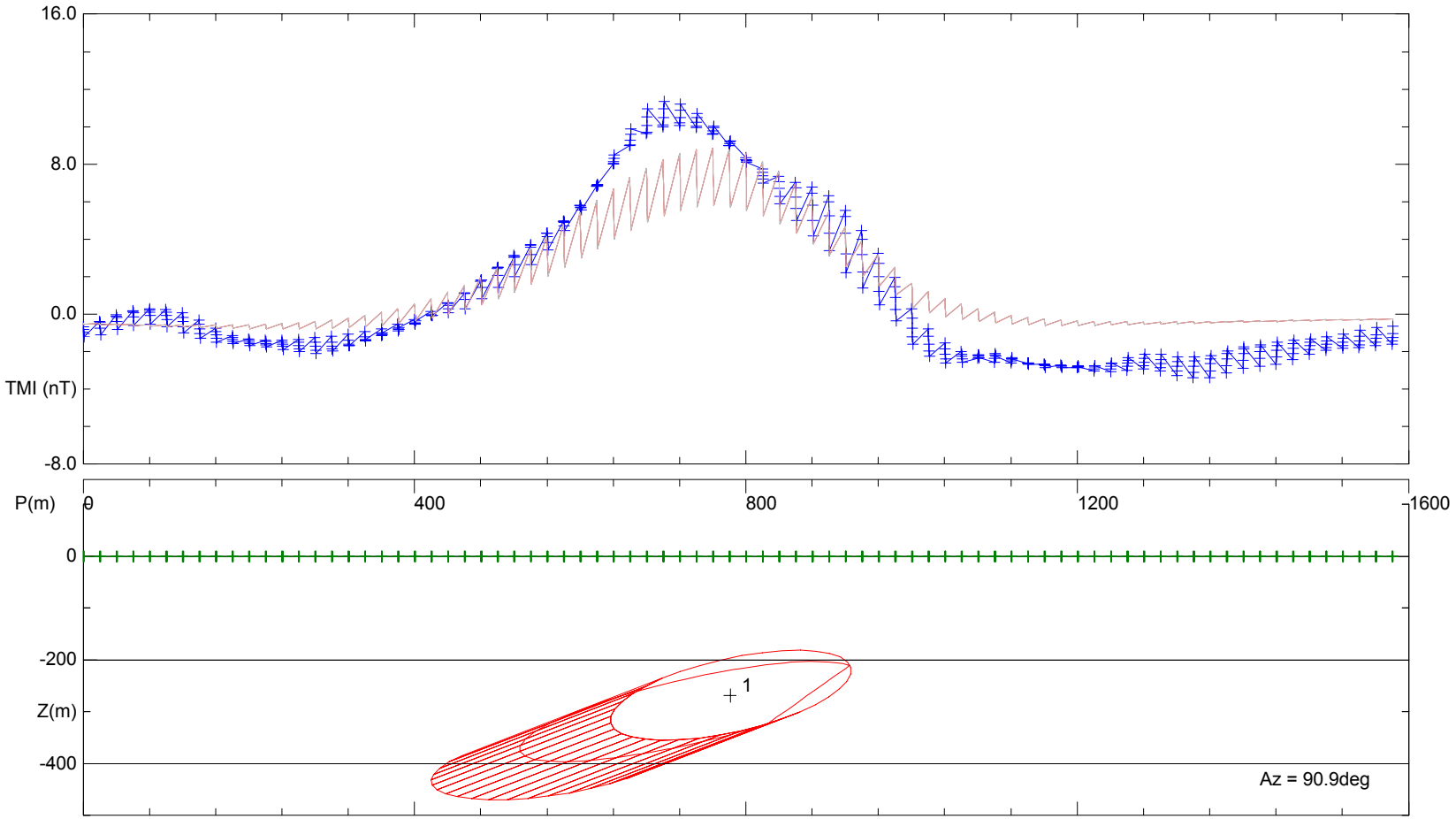
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		223509.5	6478528.4	-404.2	-126.2	-47.4	-4.9	1.000	0.0051	181.090	372.140	548.723



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

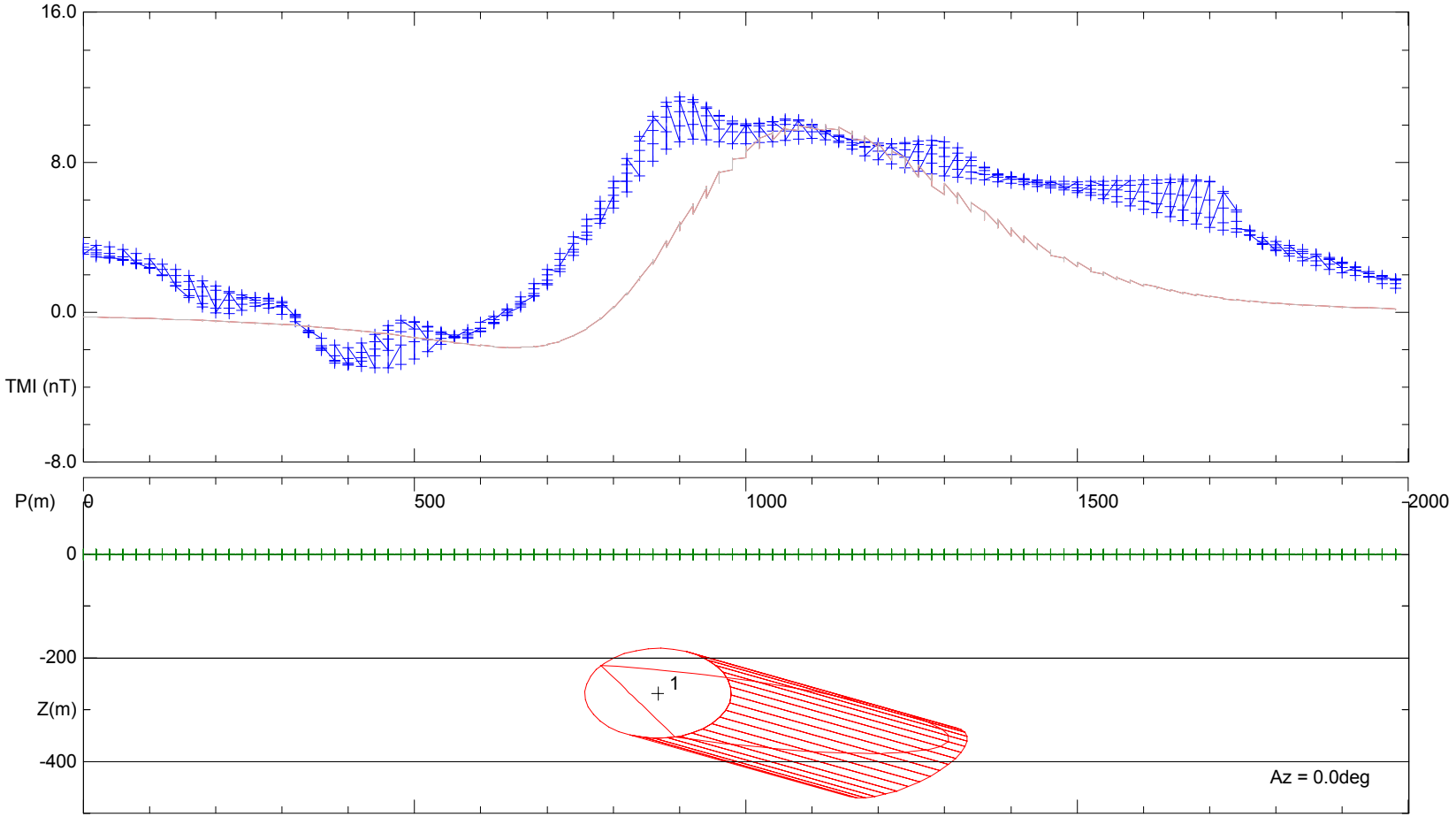
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		223509.5	6478528.4	-404.2	-126.2	-47.4	-4.9	1.000	0.0051	181.090	372.140	548.723



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

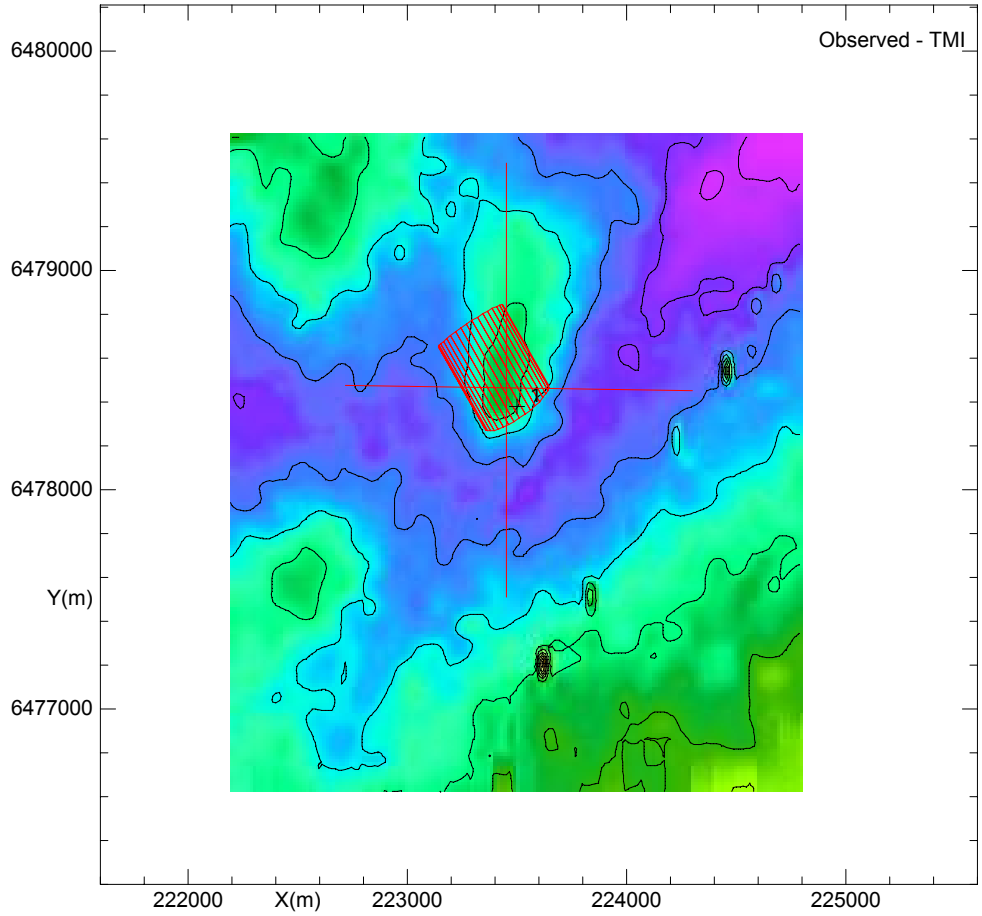
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		223500.6	6478379.4	-267.8	21.2	68.0	-37.1	1.000	0.0046	119.443	361.063	444.258	140.006



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

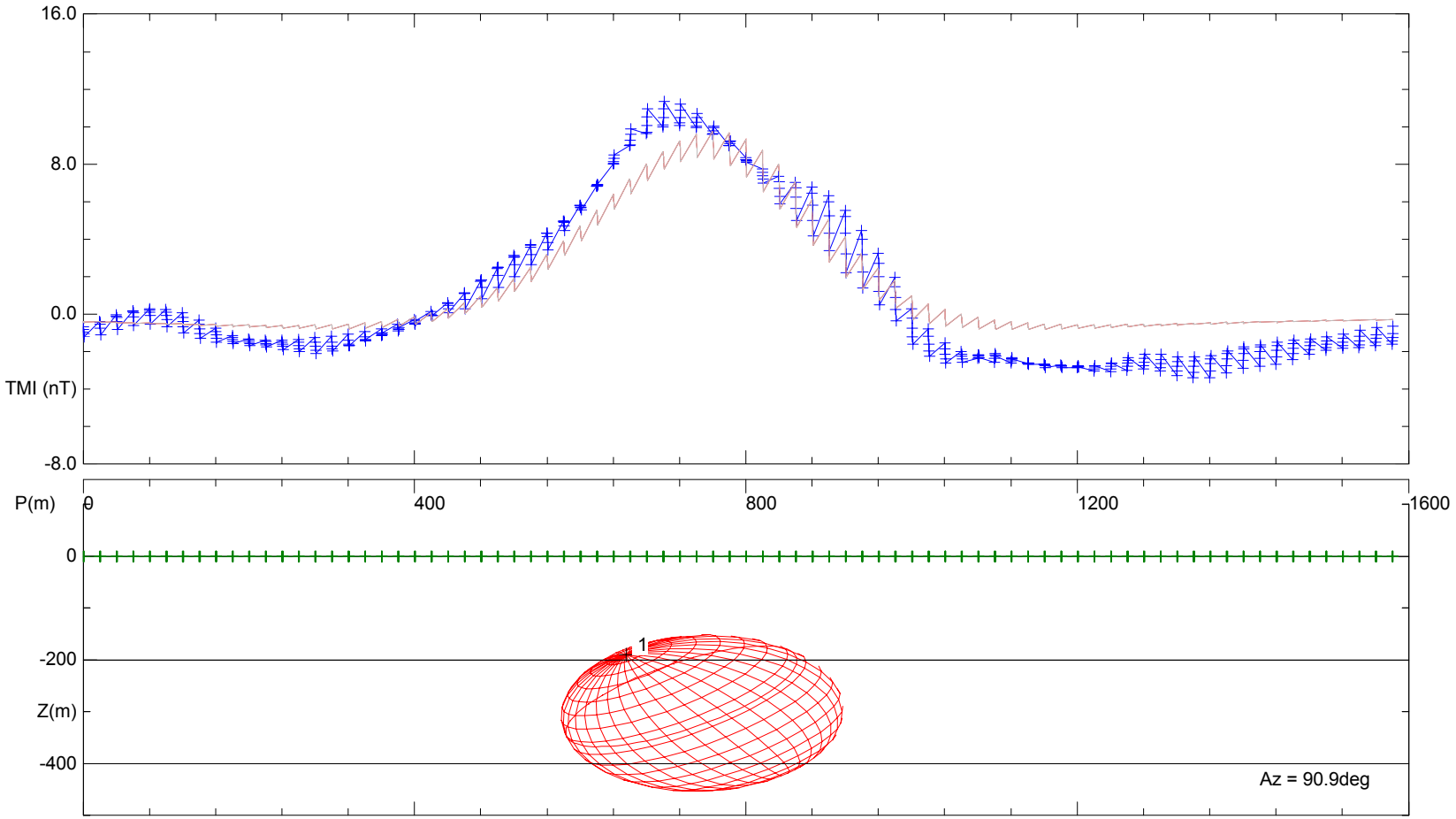
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		223500.6	6478379.4	-267.8	21.2	68.0	-37.1	1.000	0.0046	119.443	361.063	444.258	140.006



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

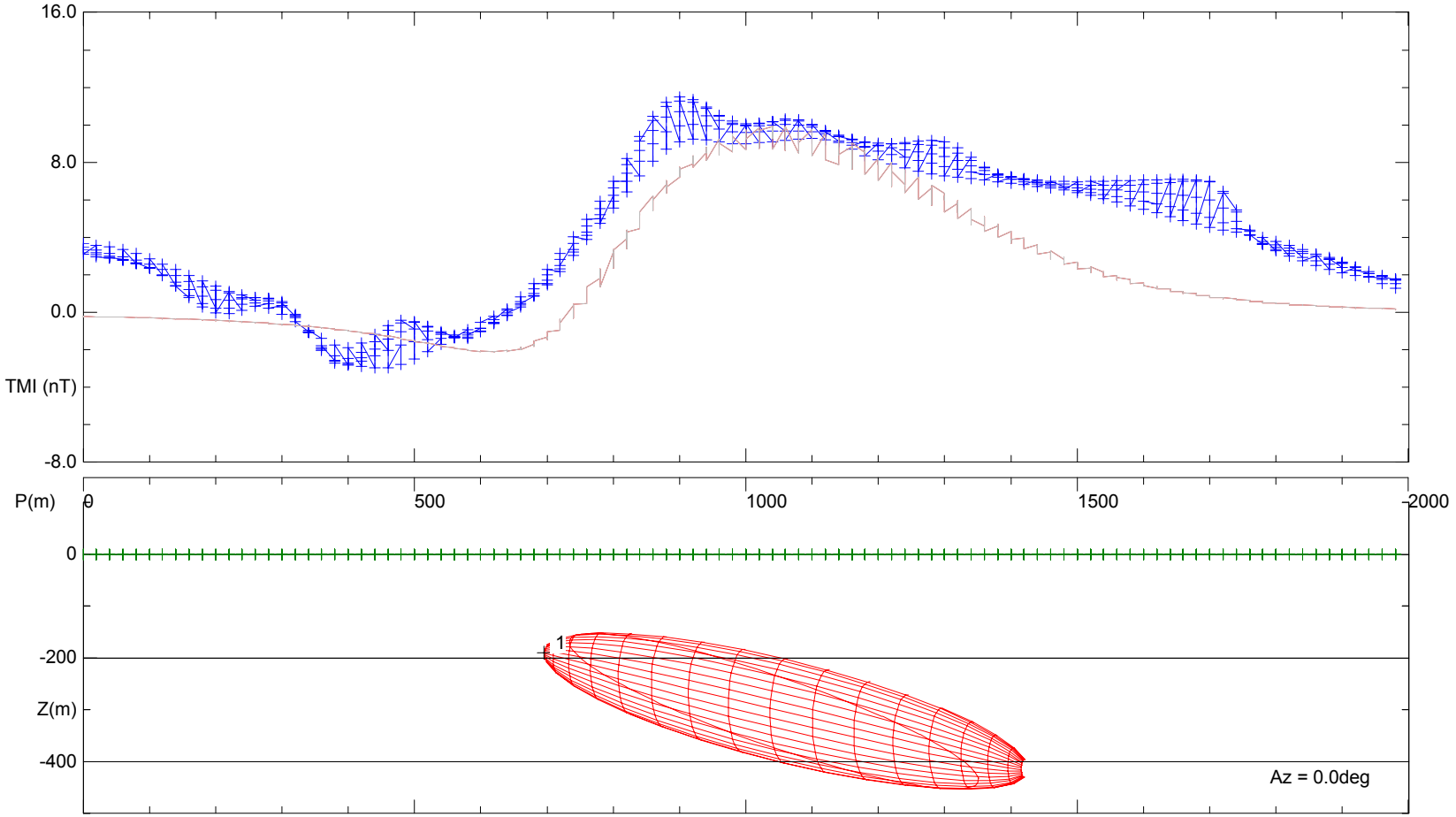
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		223500.6	6478379.4	-267.8	21.2	68.0	-37.1	1.000	0.0046	119.443	361.063	444.258	140.006



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

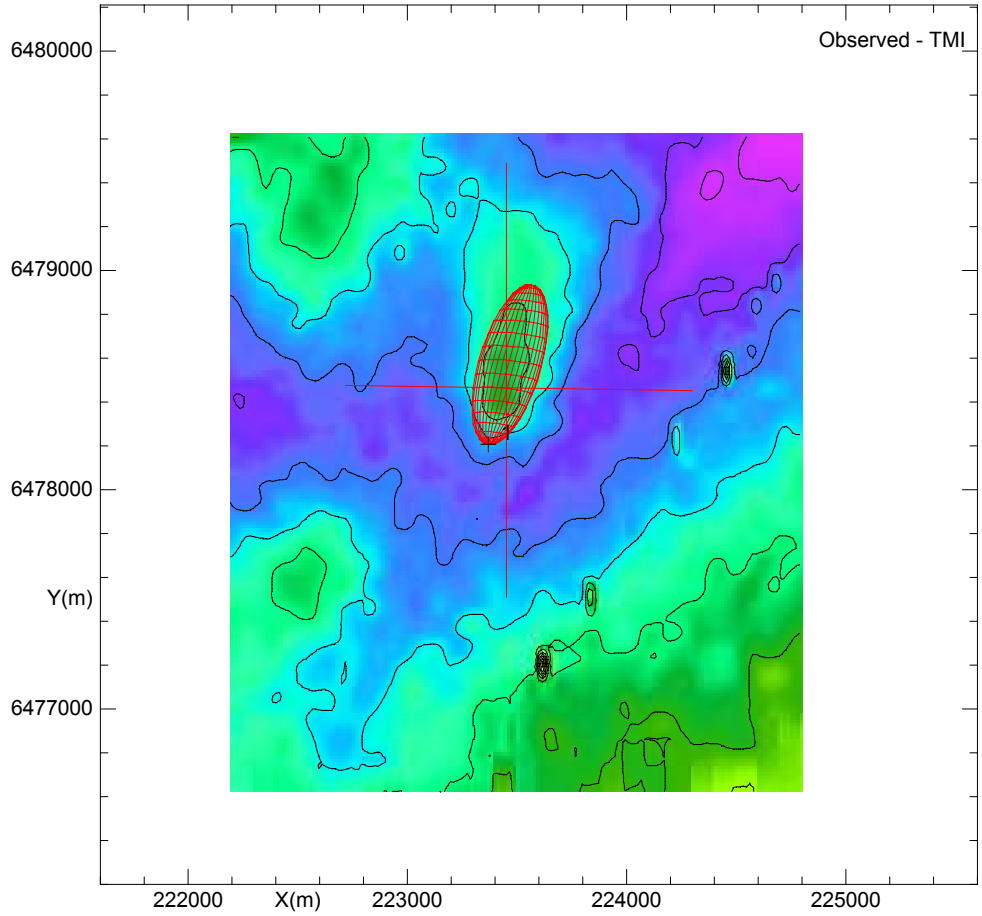
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		223371.8	6478207.1	-189.8	-142.3	-52.5	62.1	1.000	0.0037	116.504	334.712	788.176



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

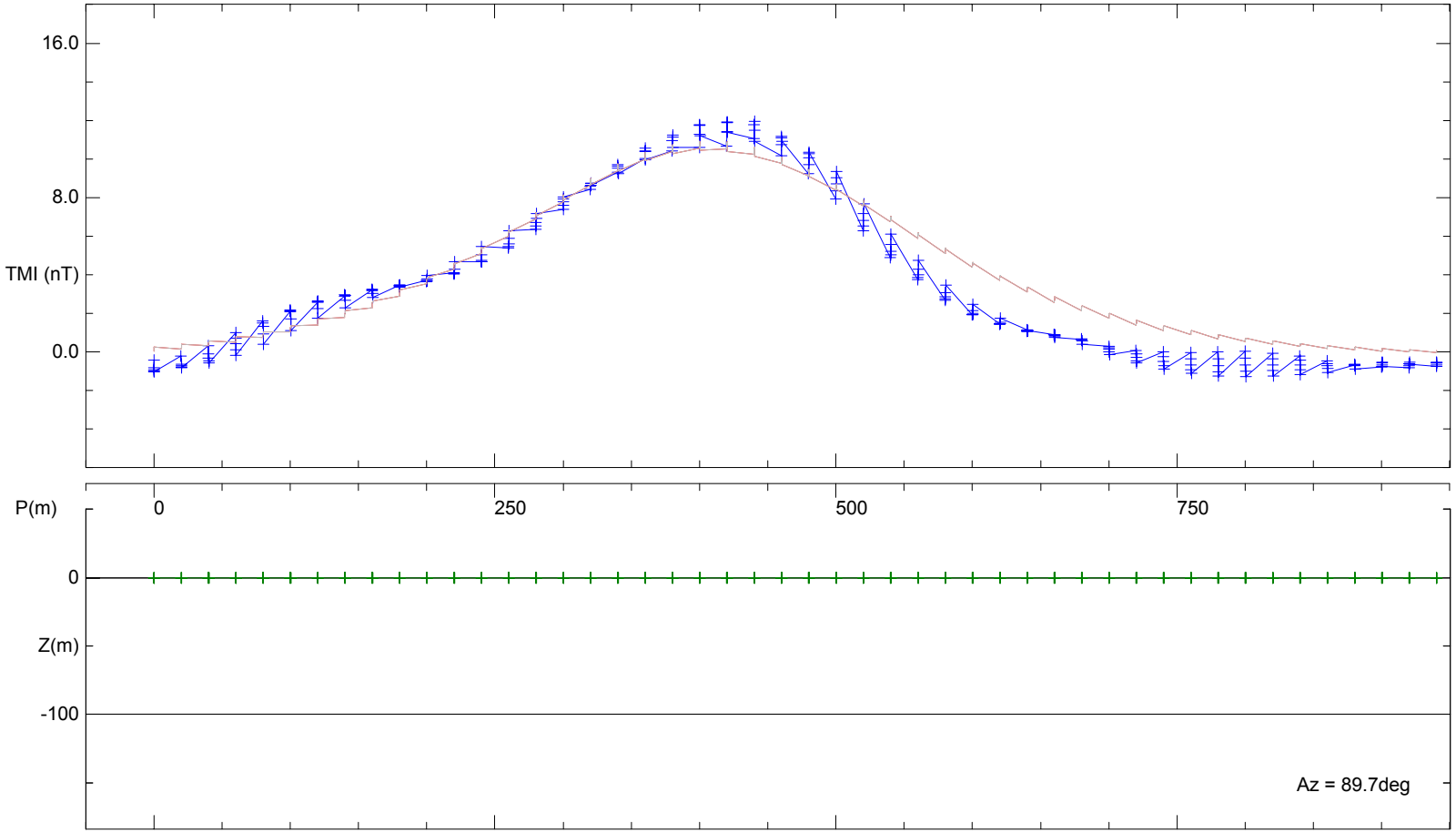
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		223371.8	6478207.1	-189.8	-142.3	-52.5	62.1	1.000	0.0037	116.504	334.712	788.176



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

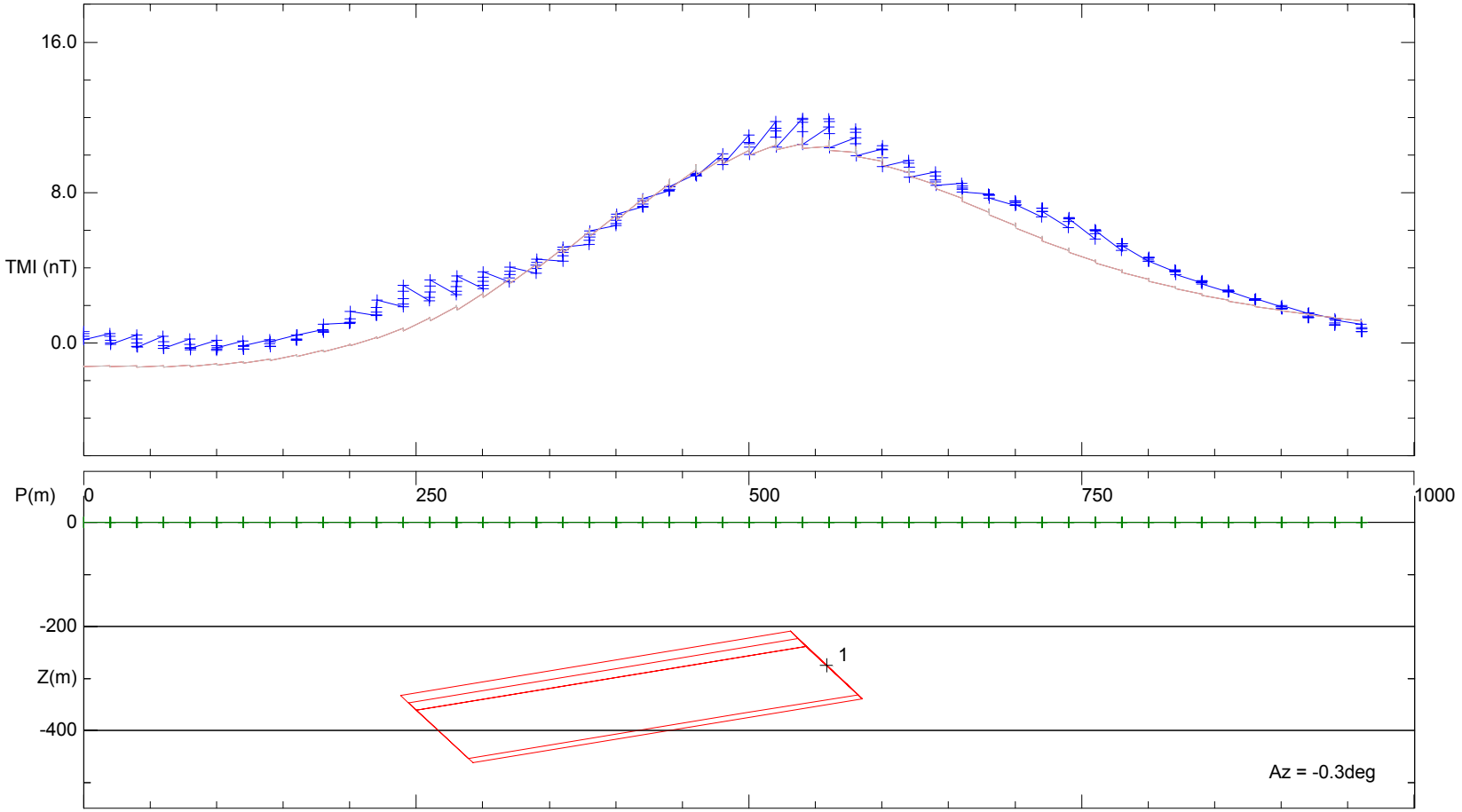
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		223371.8	6478207.1	-189.8	-142.3	-52.5	62.1	1.000	0.0037	116.504	334.712	788.176



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

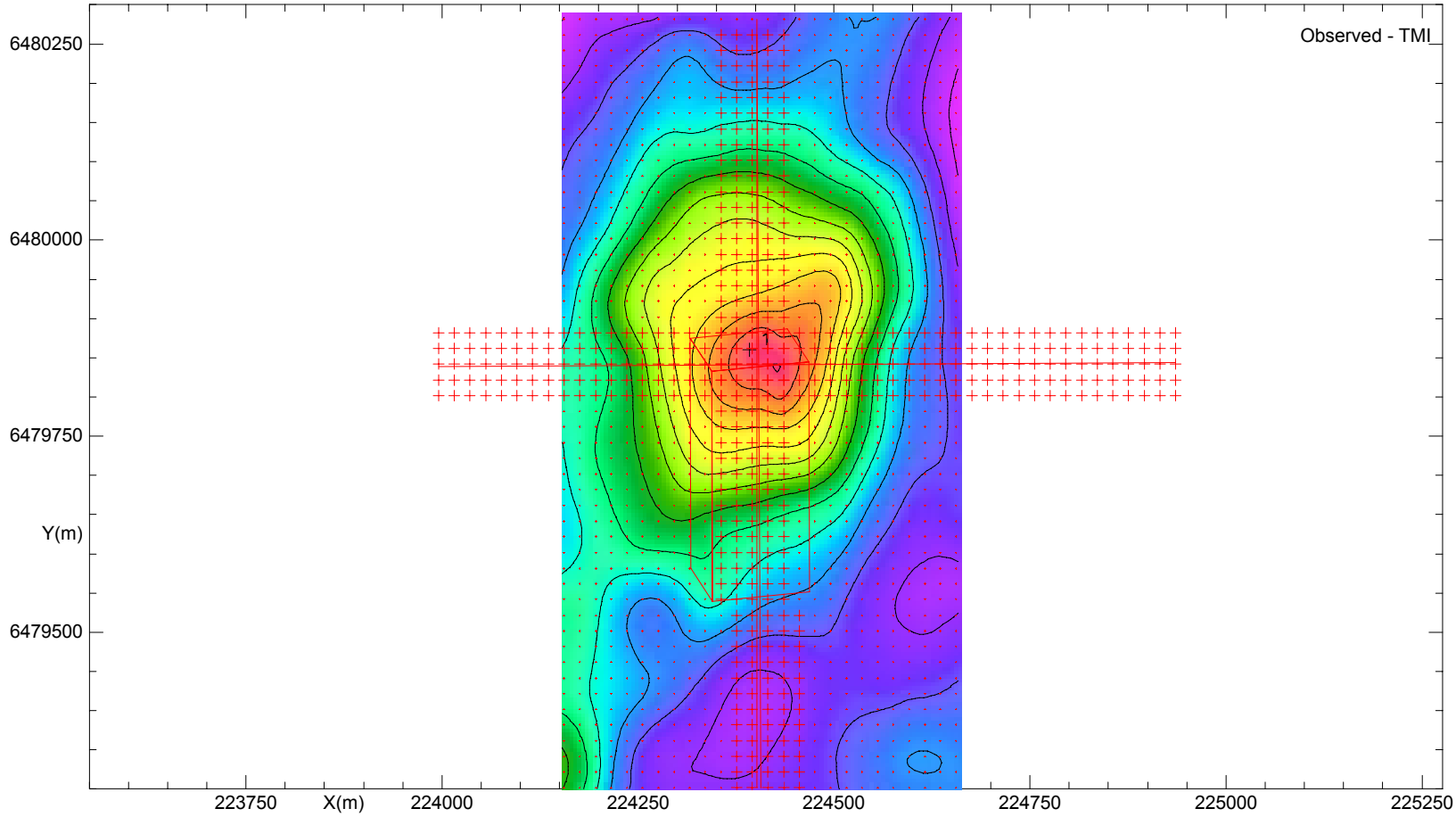
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		224392.4	6479859.8	-274.2	-123.2	63.4	-30.3	1.000	0.0121	113.055	127.642	317.584



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

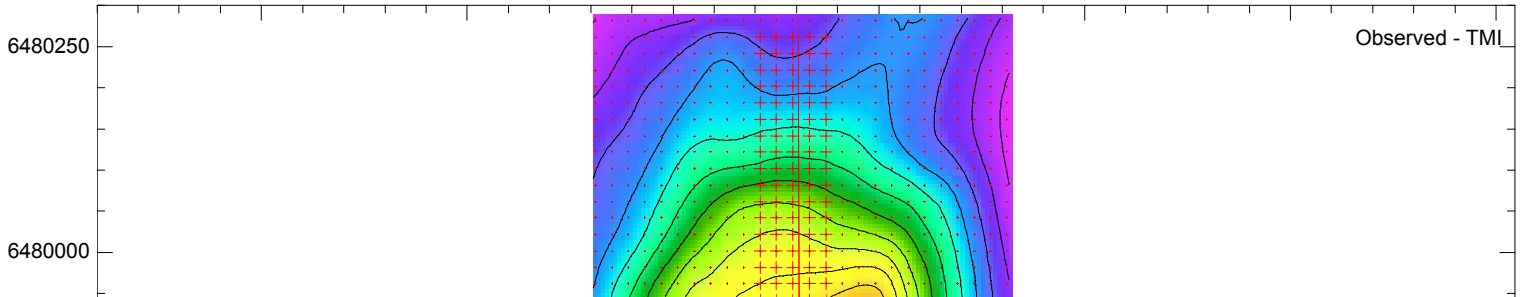
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		224392.4	6479859.8	-274.2	-123.2	63.4	-30.3	1.000	0.0121	113.055	127.642	317.584

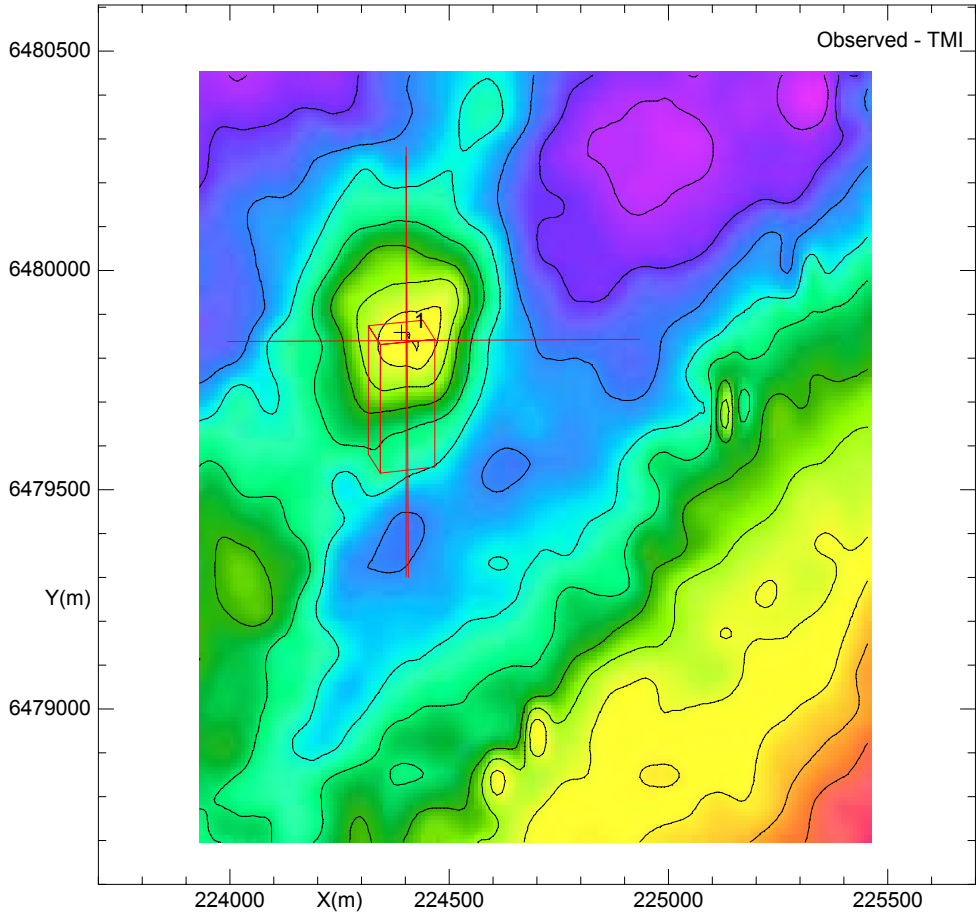


Model Summary

IGRF : H = 57987; Az =

Body	Type	Descript
1	RectPrism	





Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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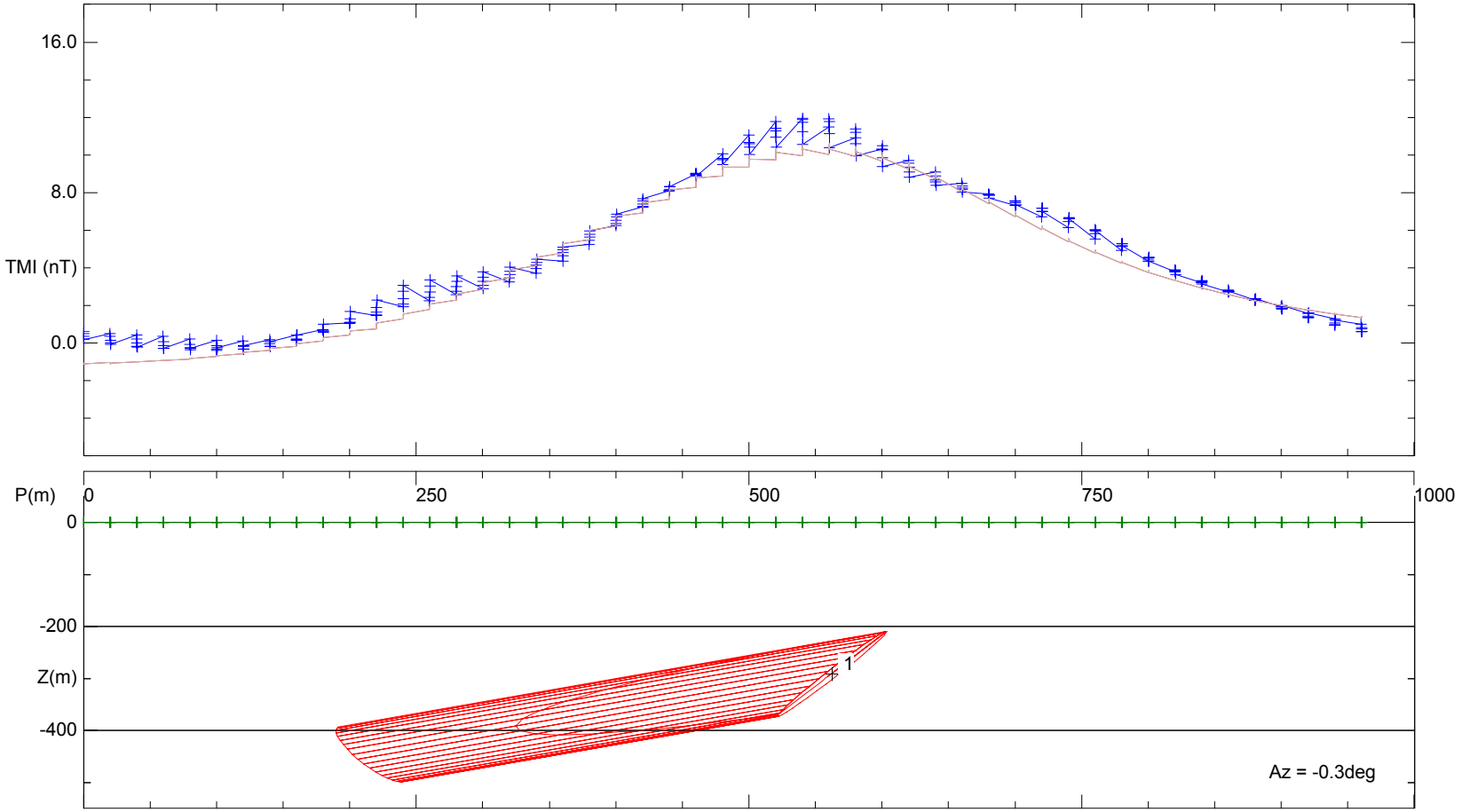
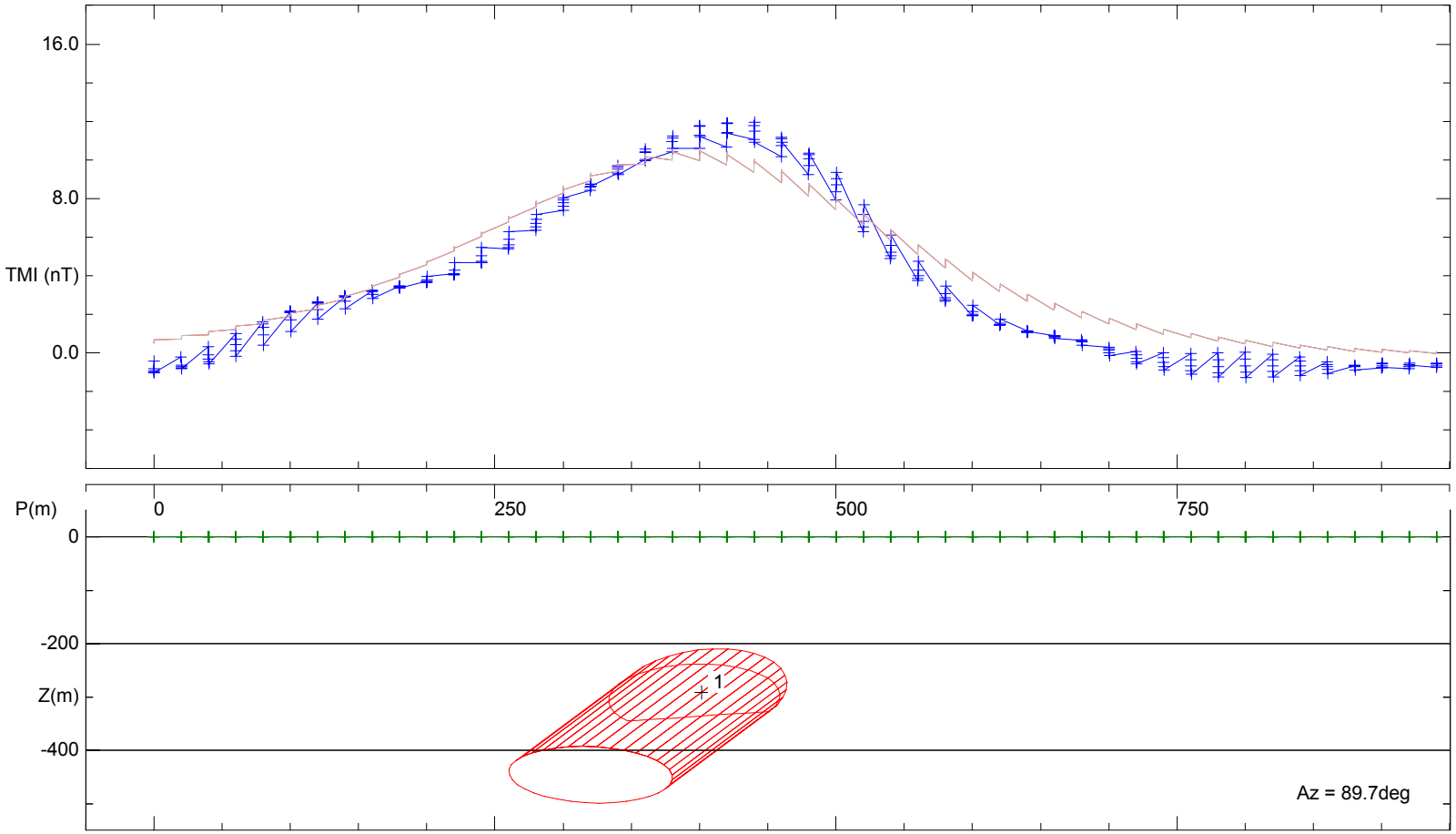


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

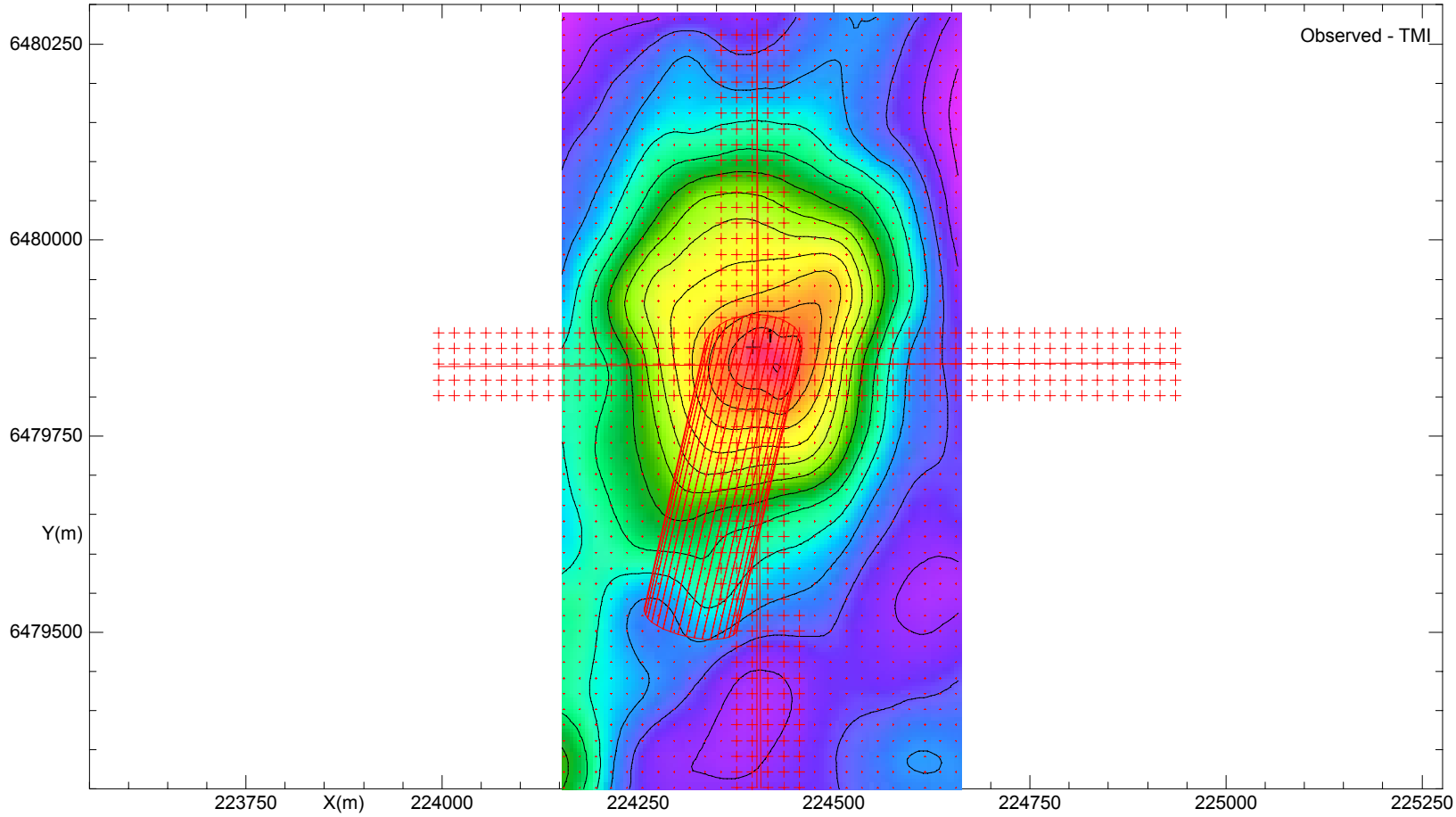
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		224396.9	6479863.8	-291.2	-99.8	64.8	-20.8	1.000	0.0153	115.999	122.498	387.814	141.053



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

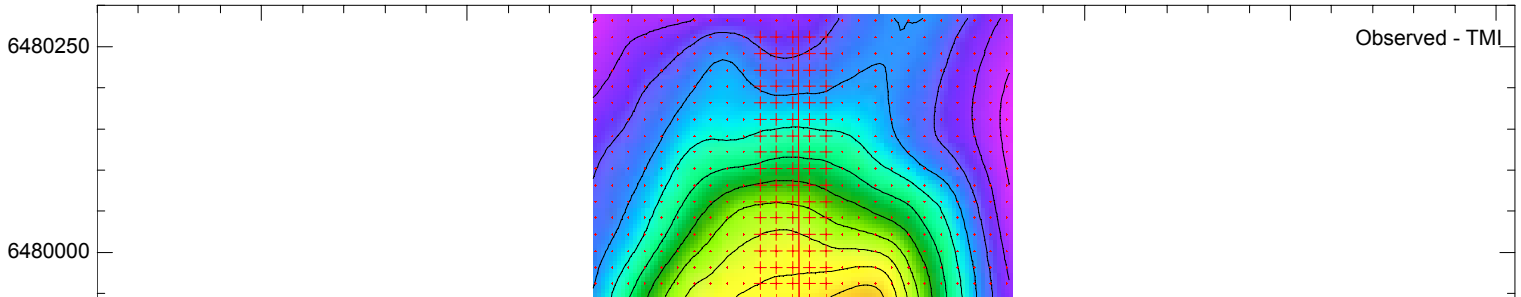
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		224396.9	6479863.8	-291.2	-99.8	64.8	-20.8	1.000	0.0153	115.999	122.498	387.814	141.053

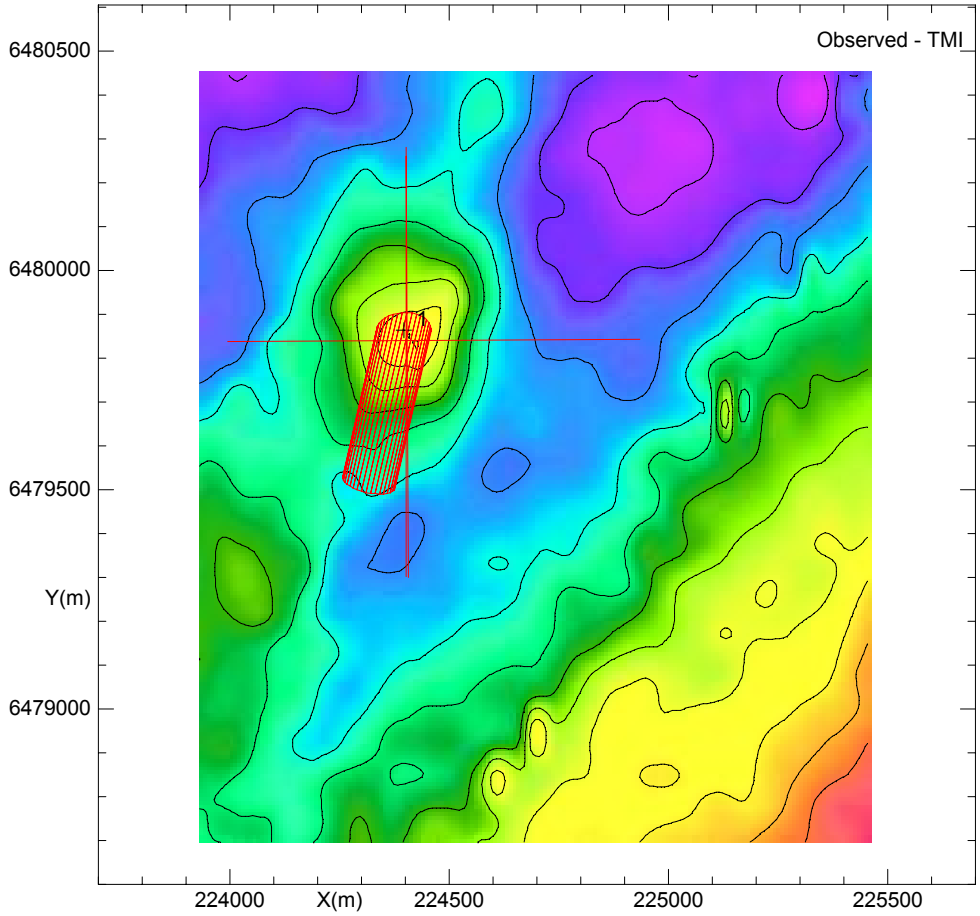


Model Summary

IGRF : H = 57987; Az =

Body Type	Descriptio
1 Cylinder	

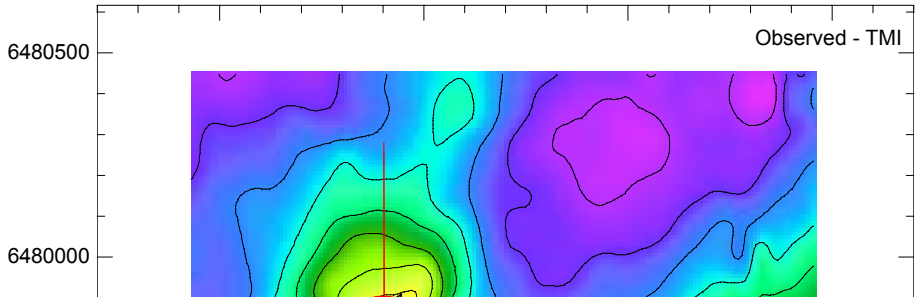


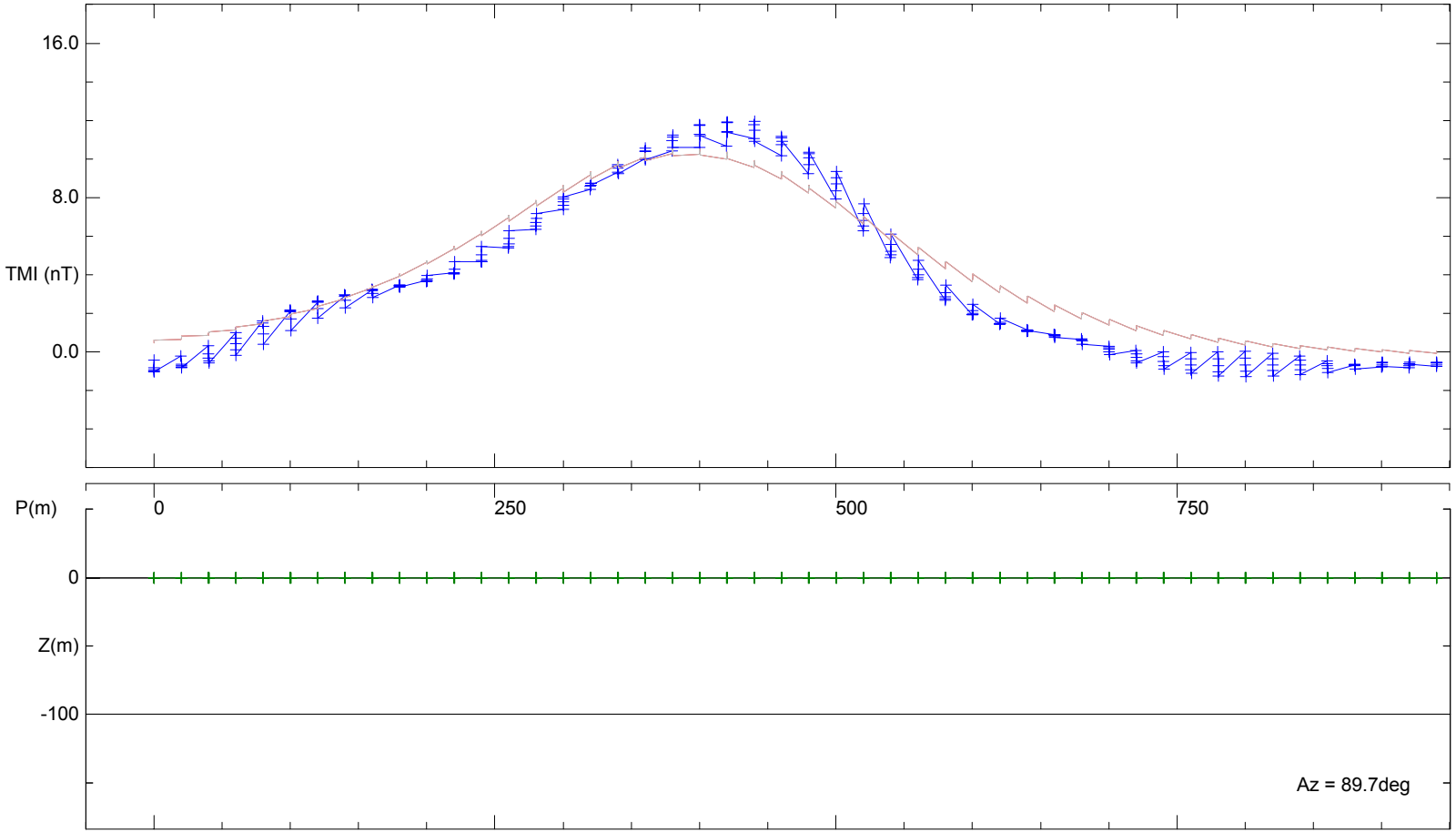


Model Summary

IGRF : H = 57987; Az =

Body Type	Descriptio
1 Cylinder	

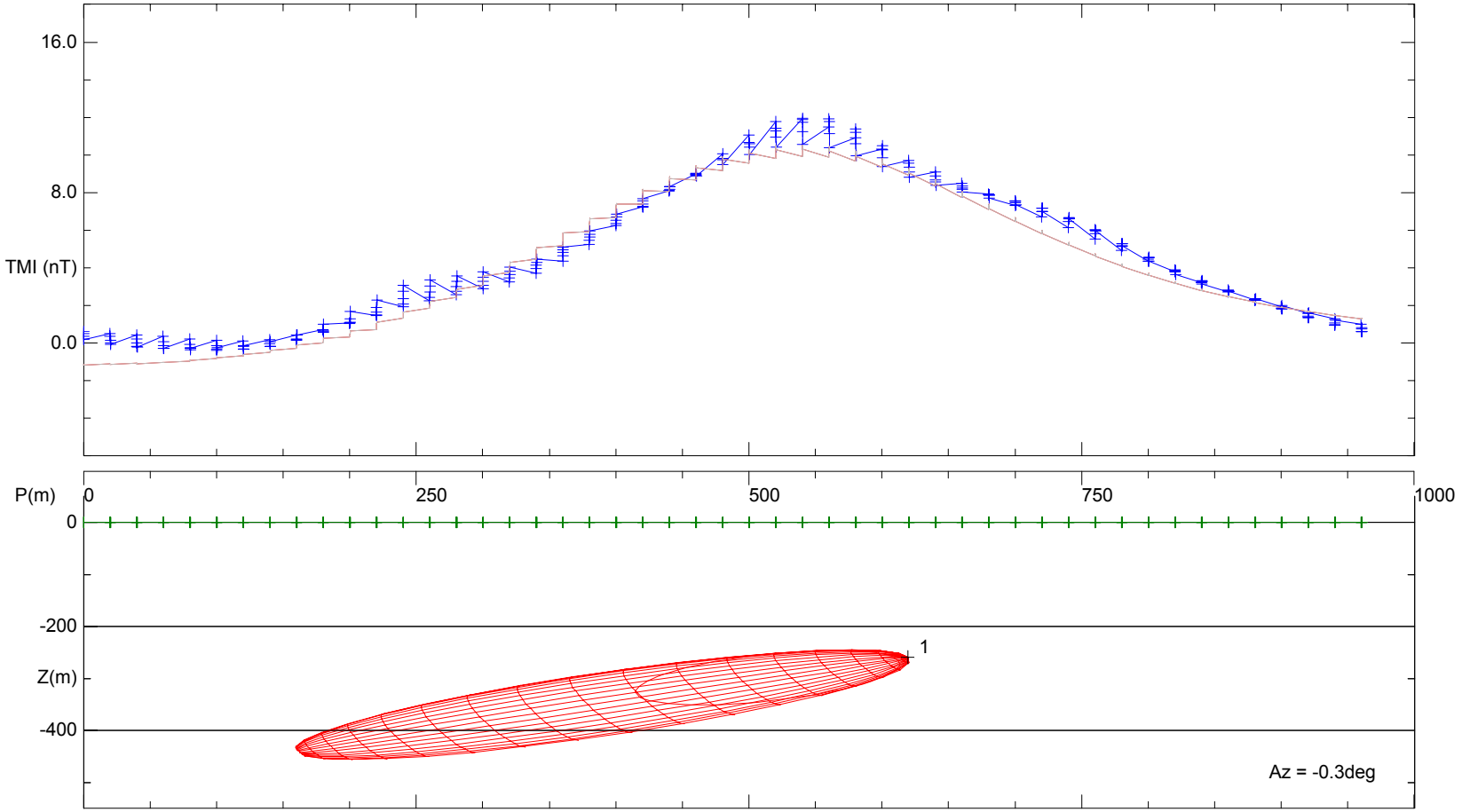




Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		224418.7	6479921.1	-259.2	-112.6	64.1	-35.0	1.000	0.0255	116.923	79.772	510.495



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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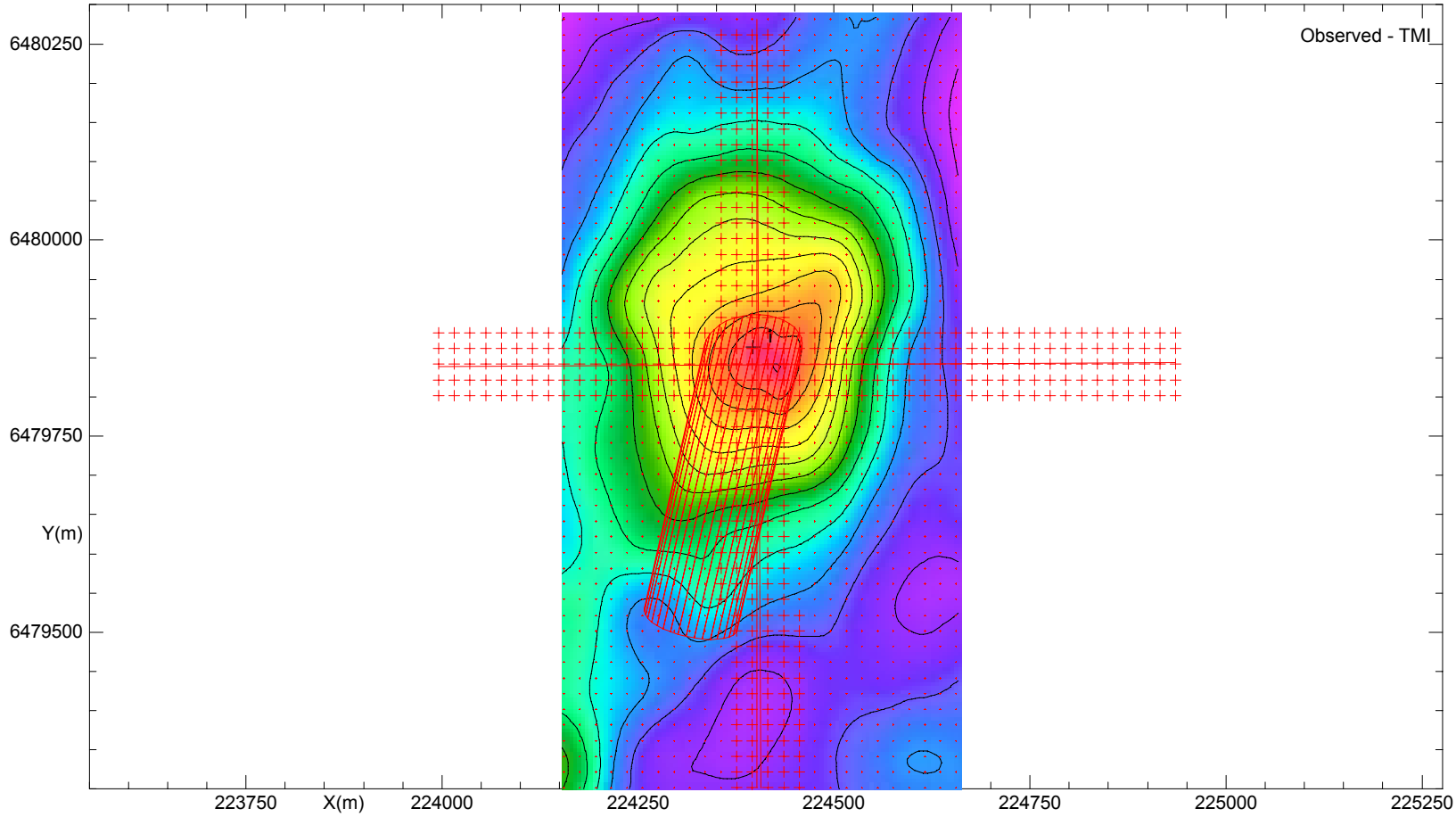
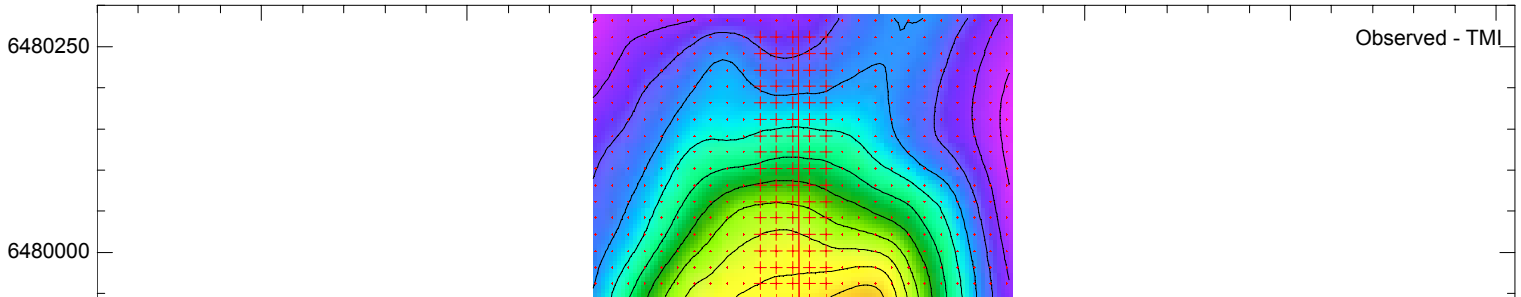
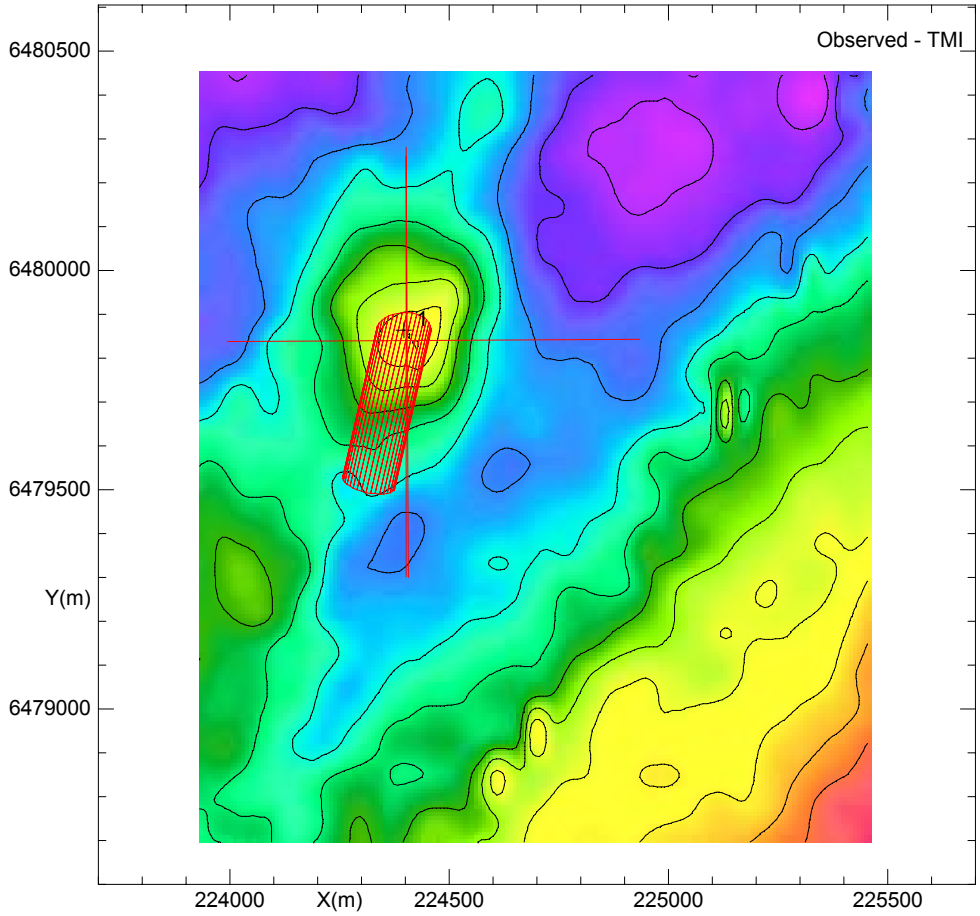


Model Summary

IGRF : H = 57987; Az =

Body Type	Descriptio
1 Cylinder	

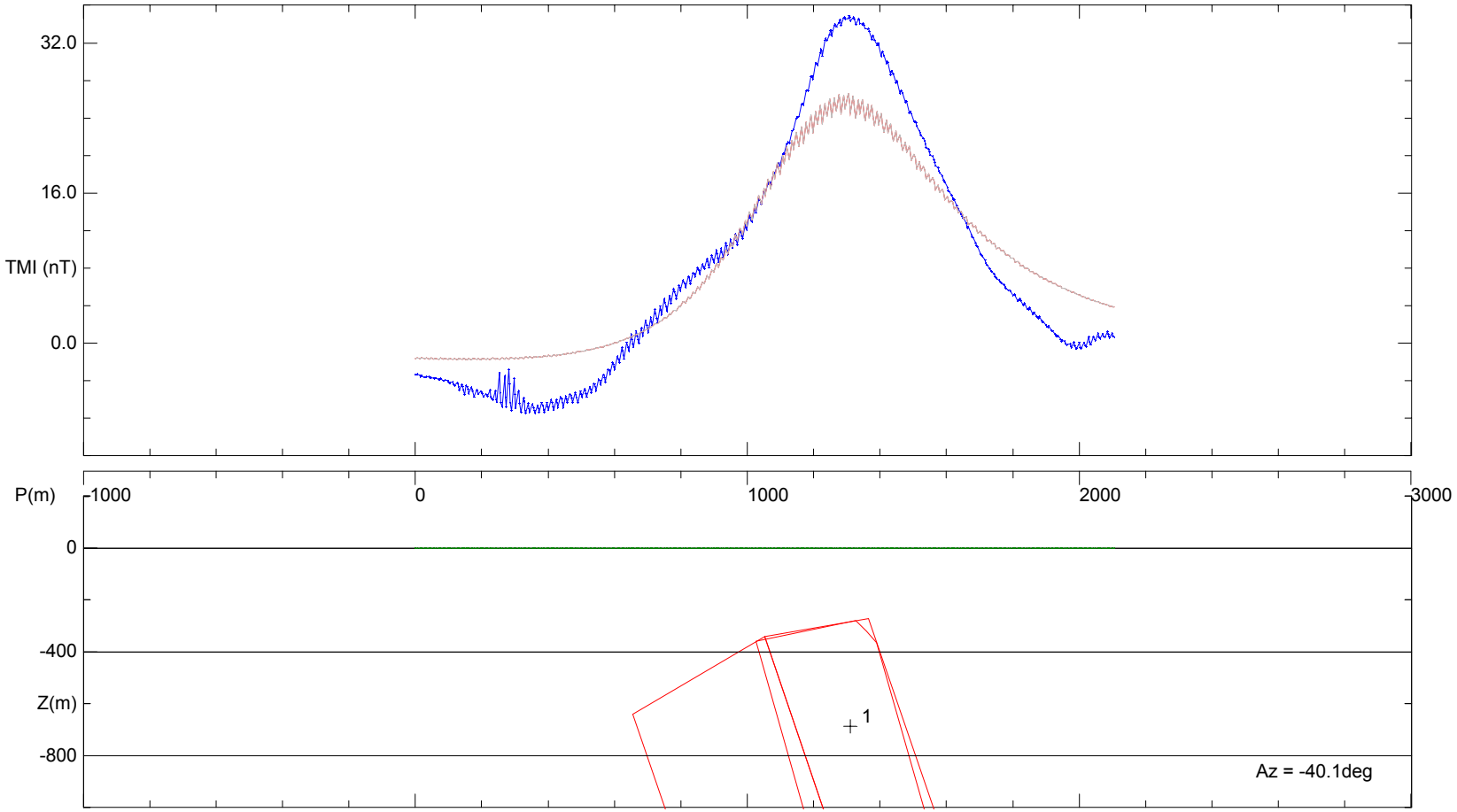




Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

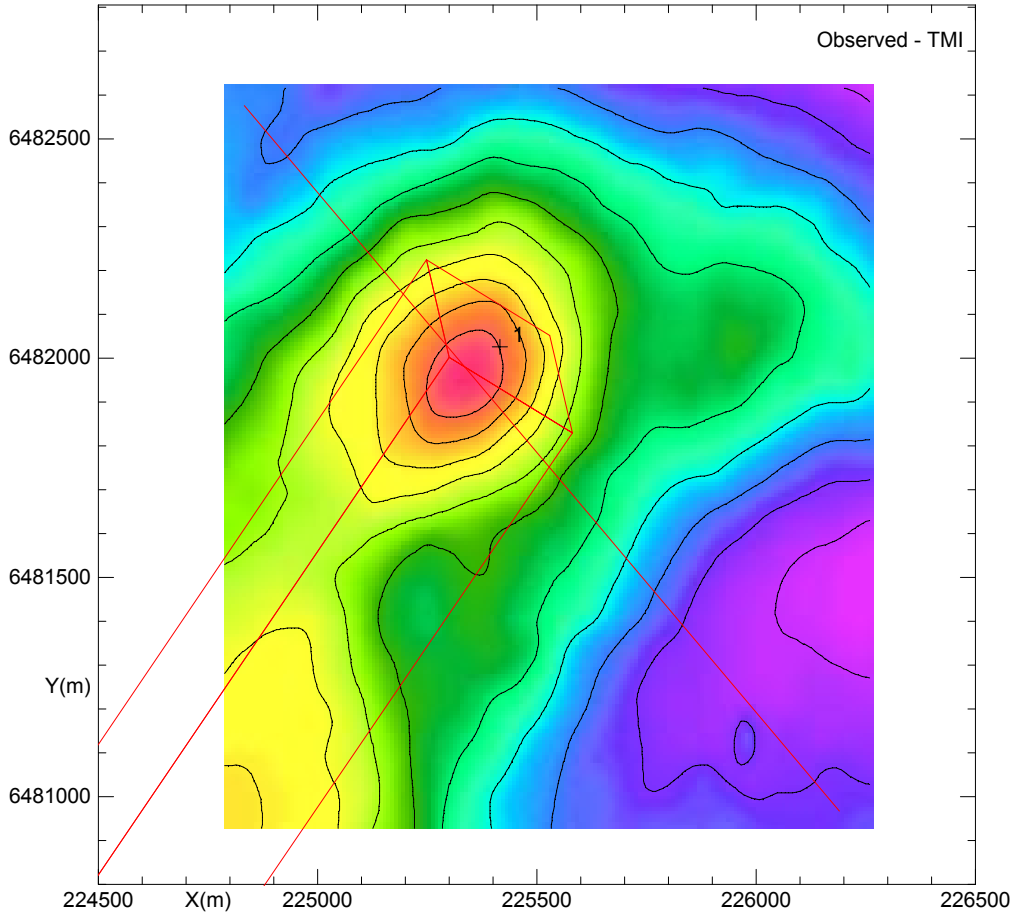
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		224396.9	6479863.8	-291.2	-99.8	64.8	-20.8	1.000	0.0153	115.999	122.498	387.814	141.053



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

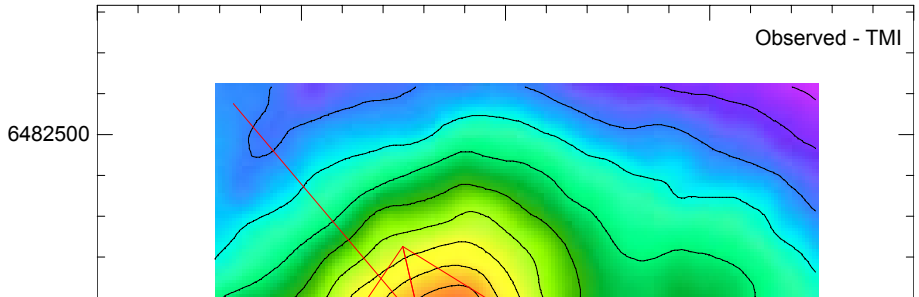
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		225415.8	6482027.3	-686.5	-148.2	-11.9	-78.3	1.000	0.0053	336.948	796.553	1501.336

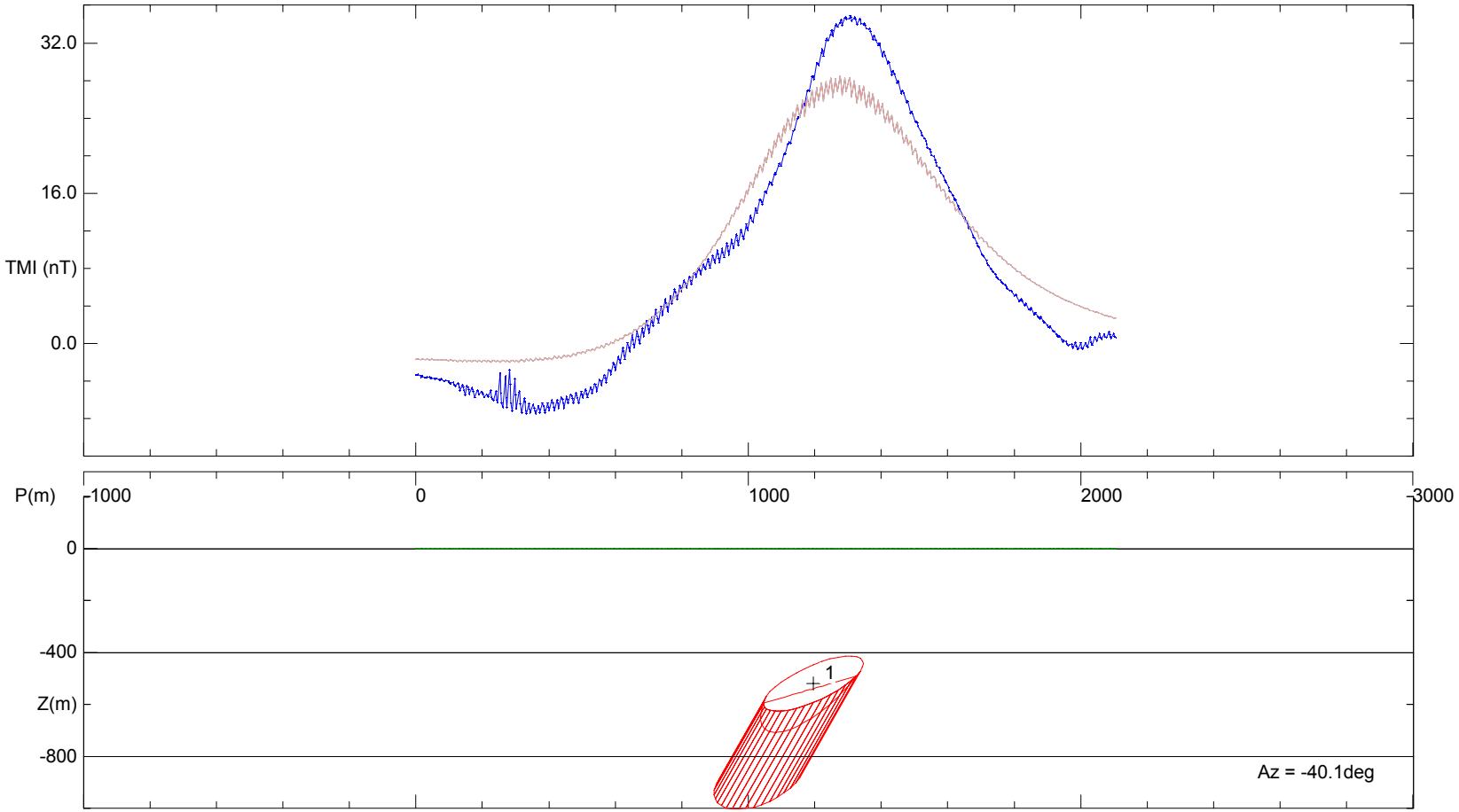


Model Summary

IGRF : H = 57987; Az =

Body	Type	Descript
1	RectPrism	

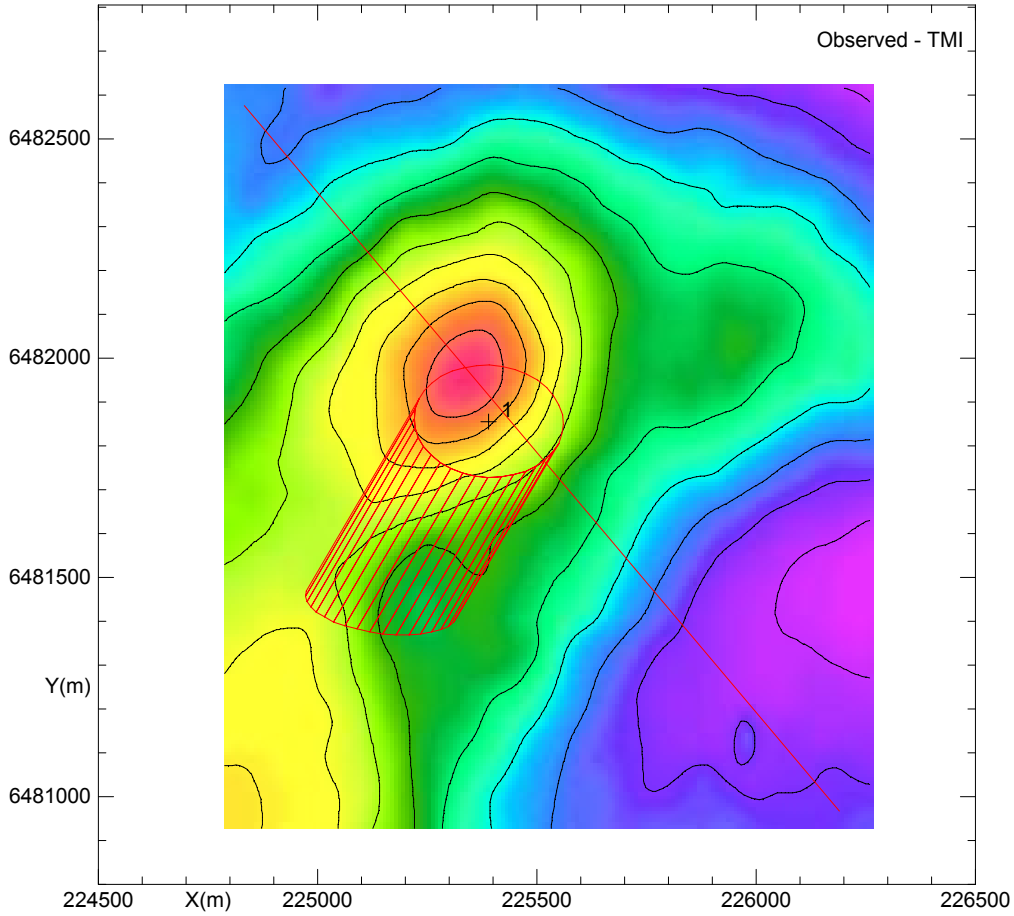




Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		225391.1	6481856.9	-519.1	-115.5	36.8	-41.3	1.000	0.0326	190.634	401.837	605.638	48.211



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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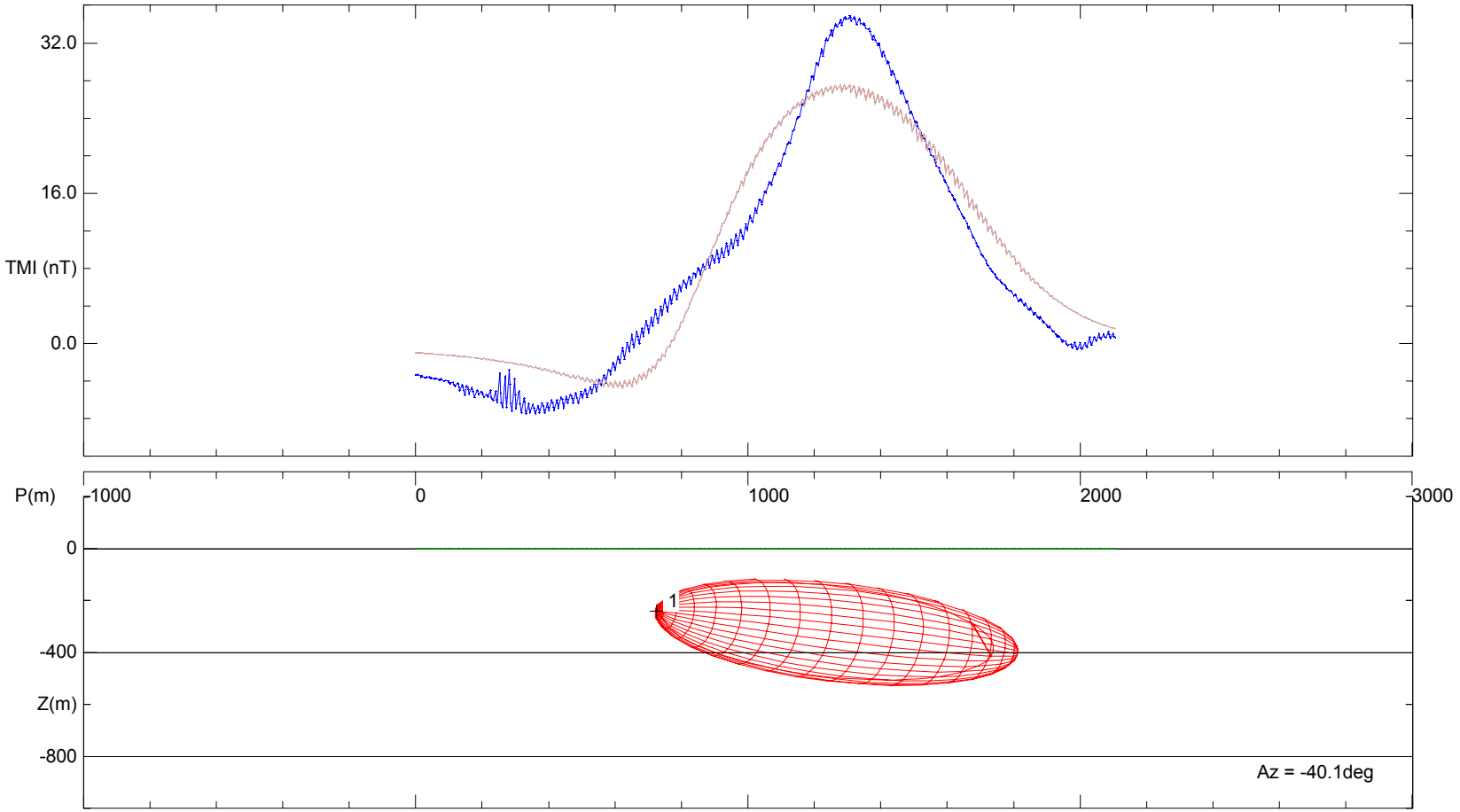
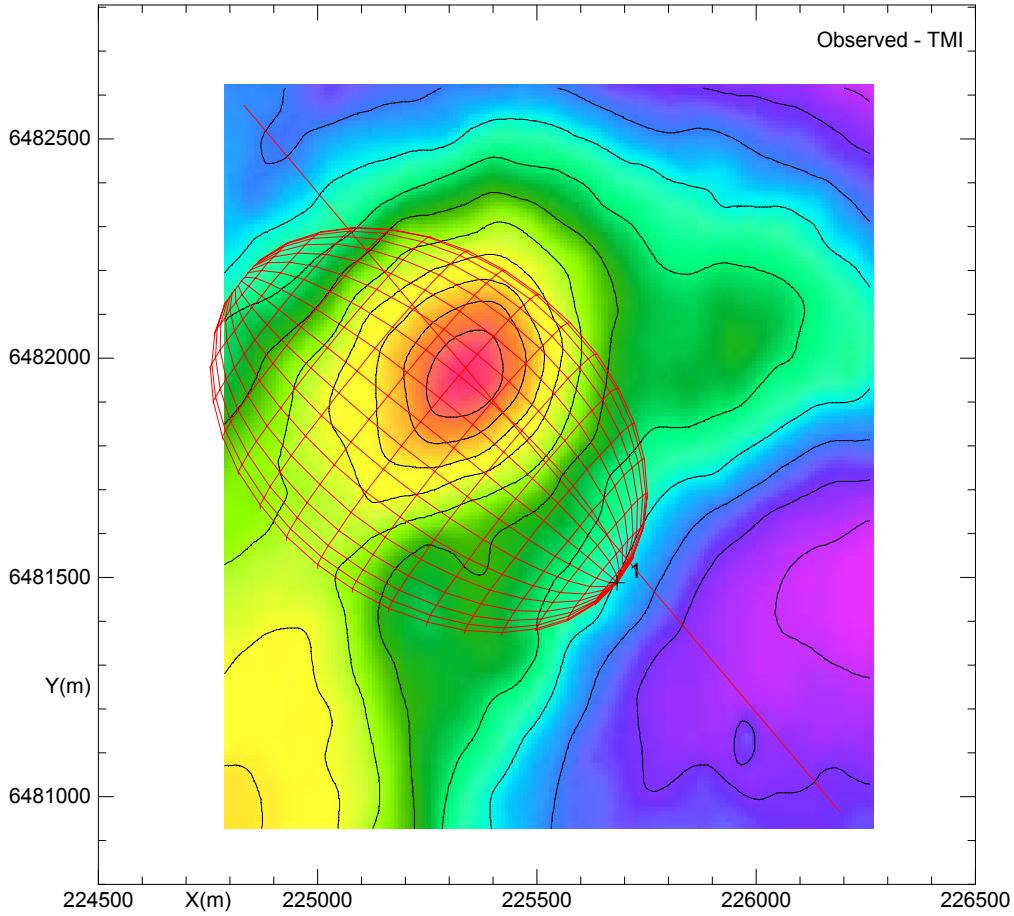


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

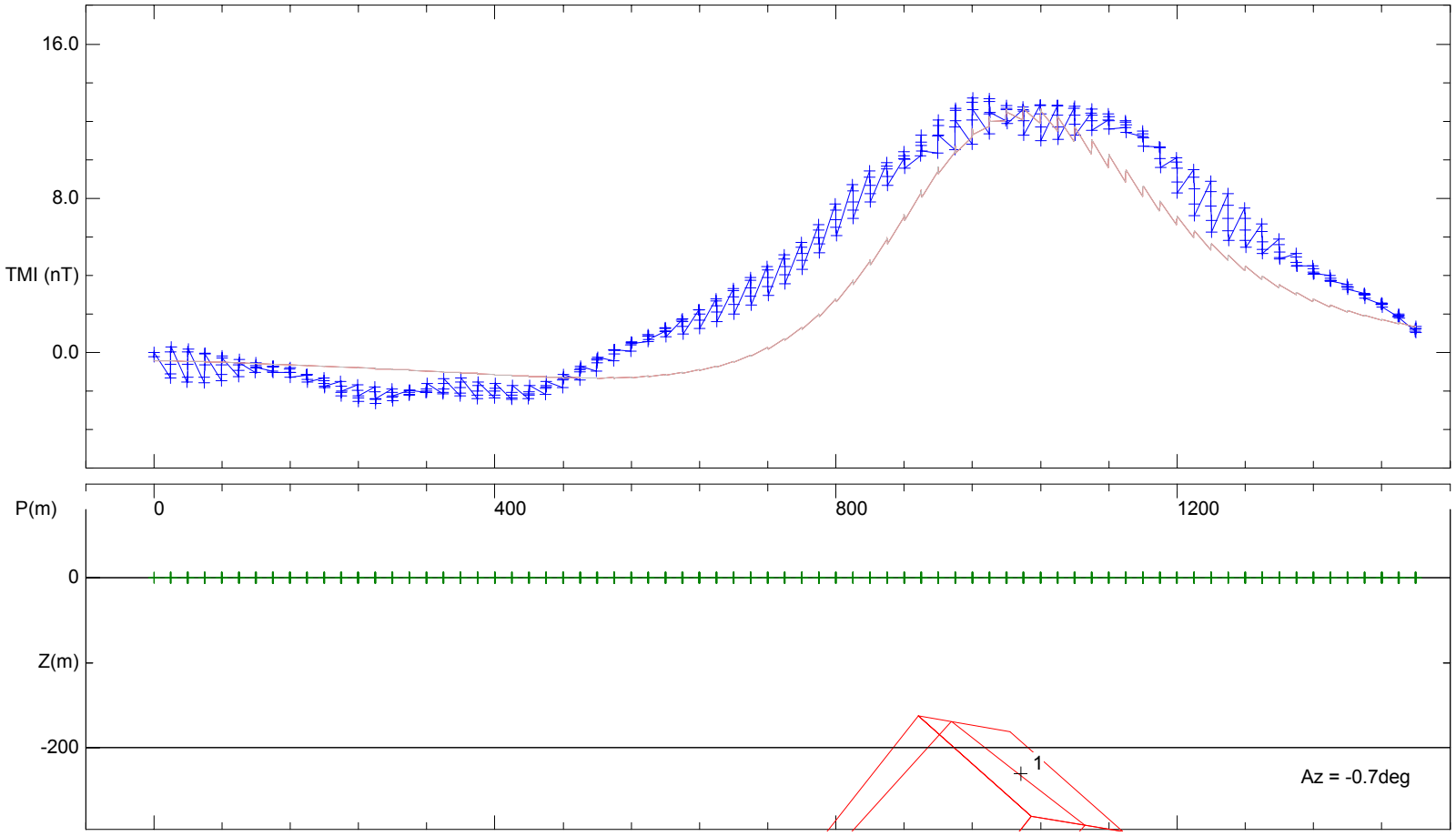
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		225683.3	6481489.5	-239.0	-129.7	-81.4	-11.5	1.000	0.0022	380.374	804.347	1113.069



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

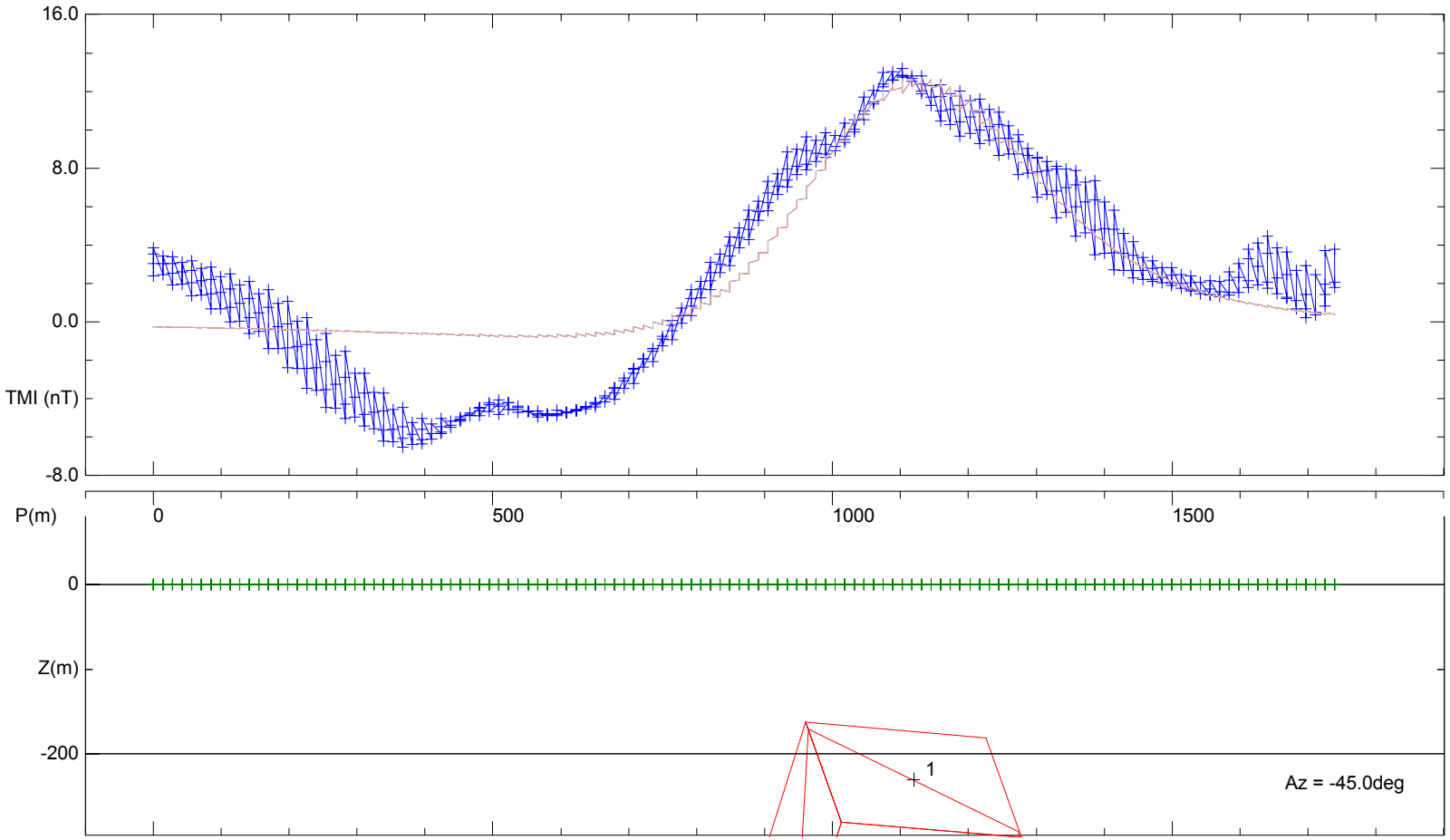
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		225683.3	6481489.5	-239.0	-129.7	-81.4	-11.5	1.000	0.0022	380.374	804.347	1113.069



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221781.5	6484993.6	-231.3	-66.0	39.2	4.7	1.000	0.0038	187.776	290.455	415.064



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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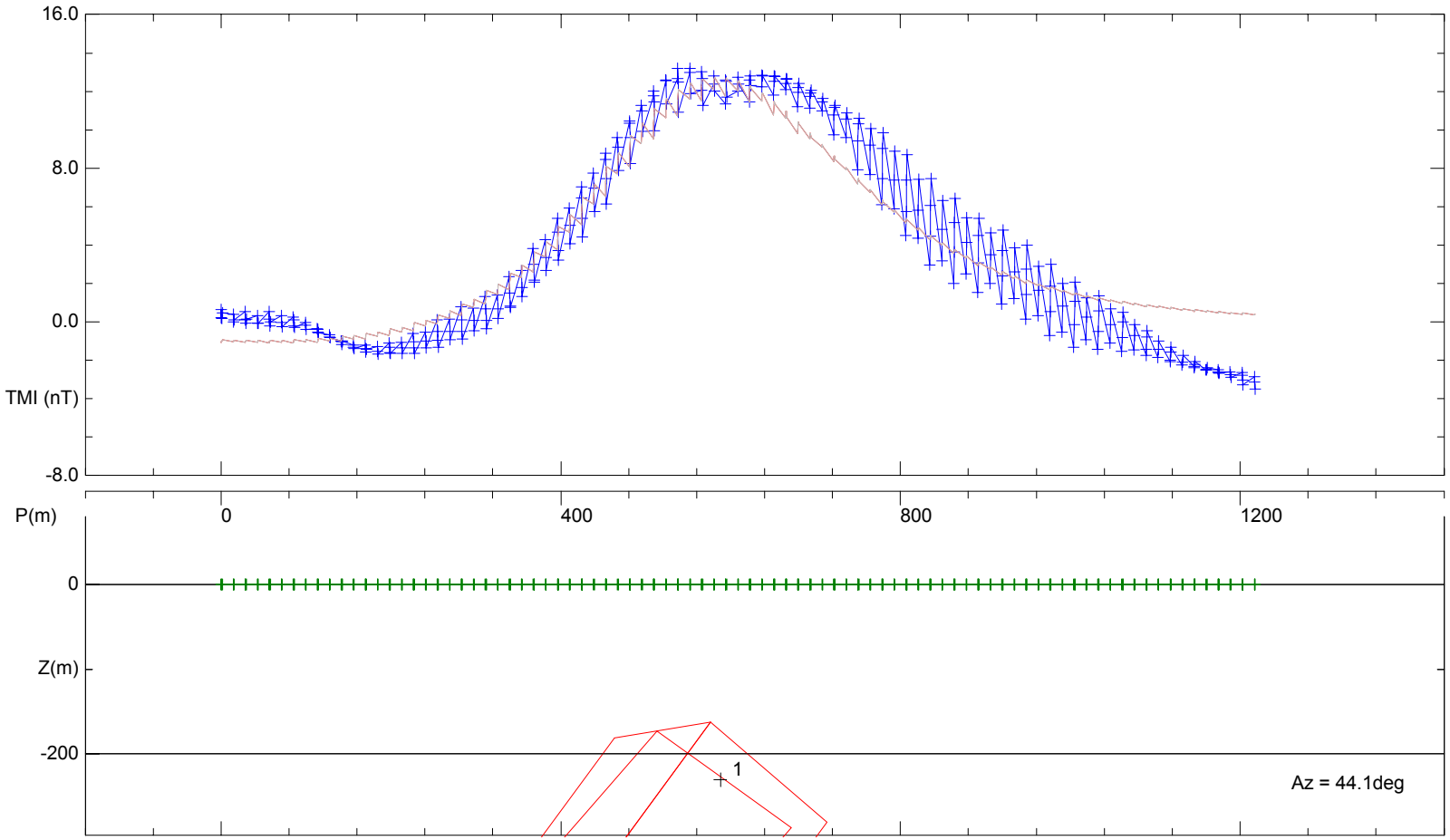

Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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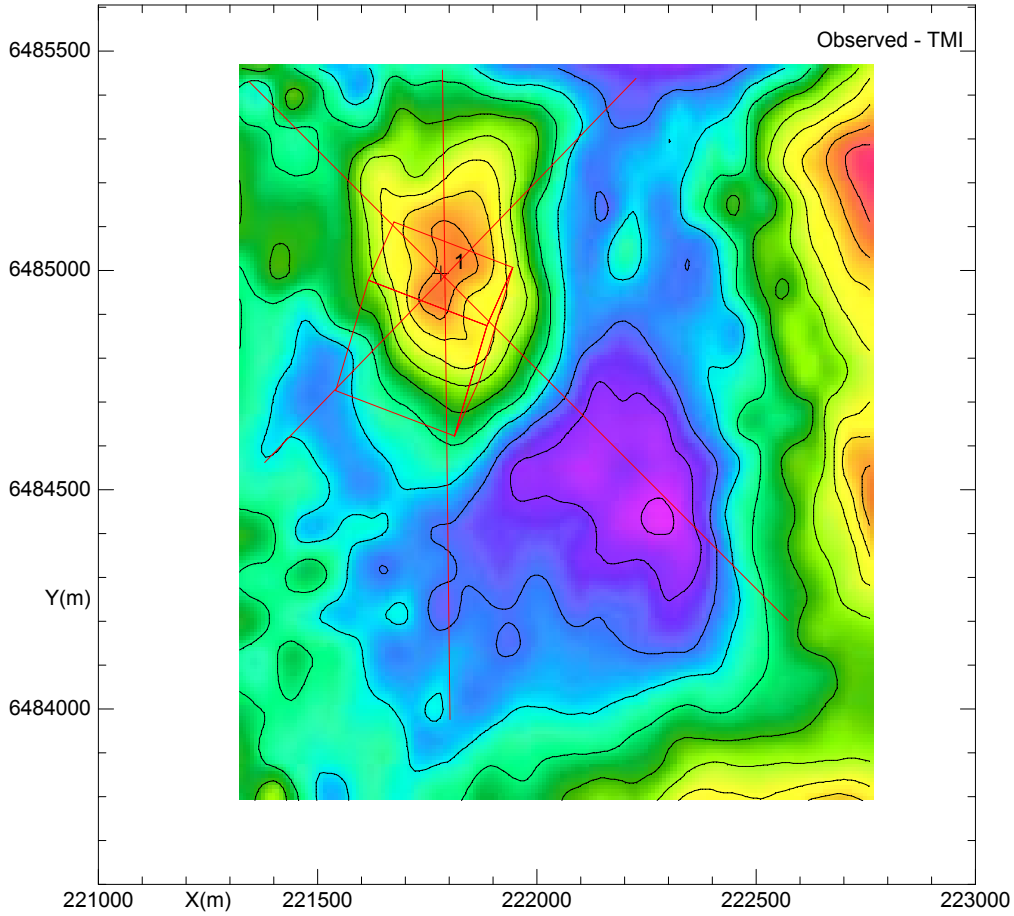

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IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
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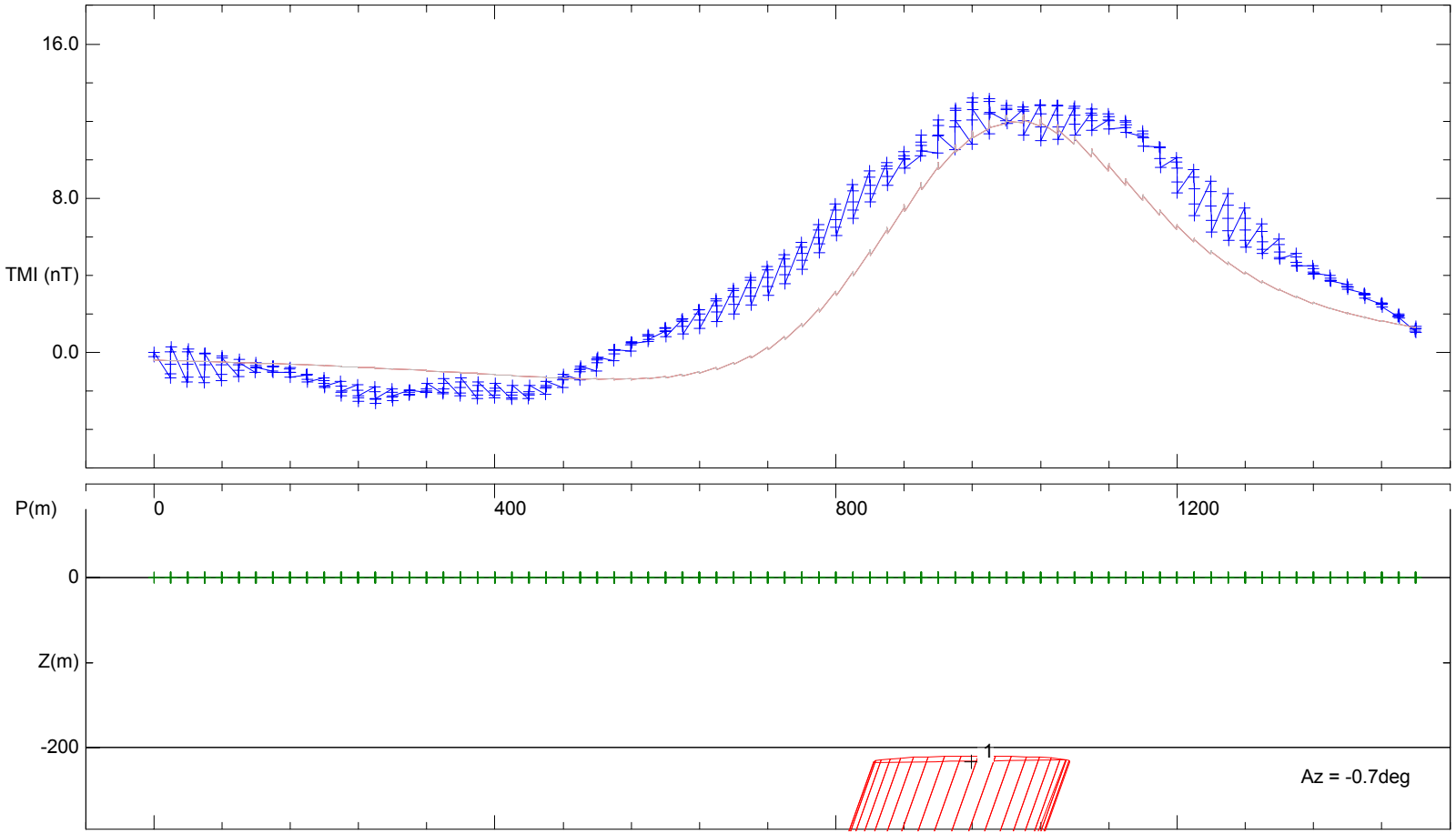
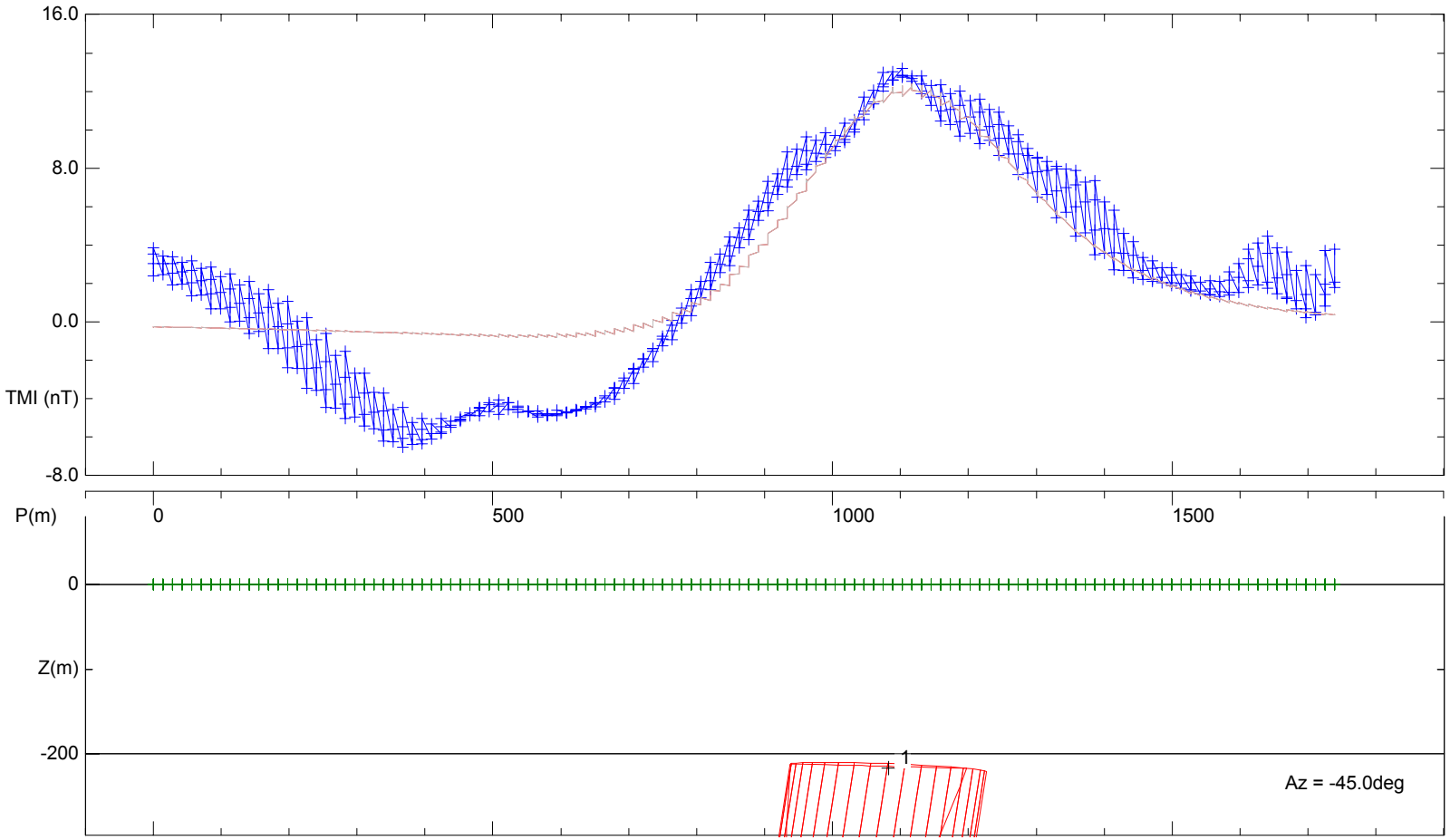


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

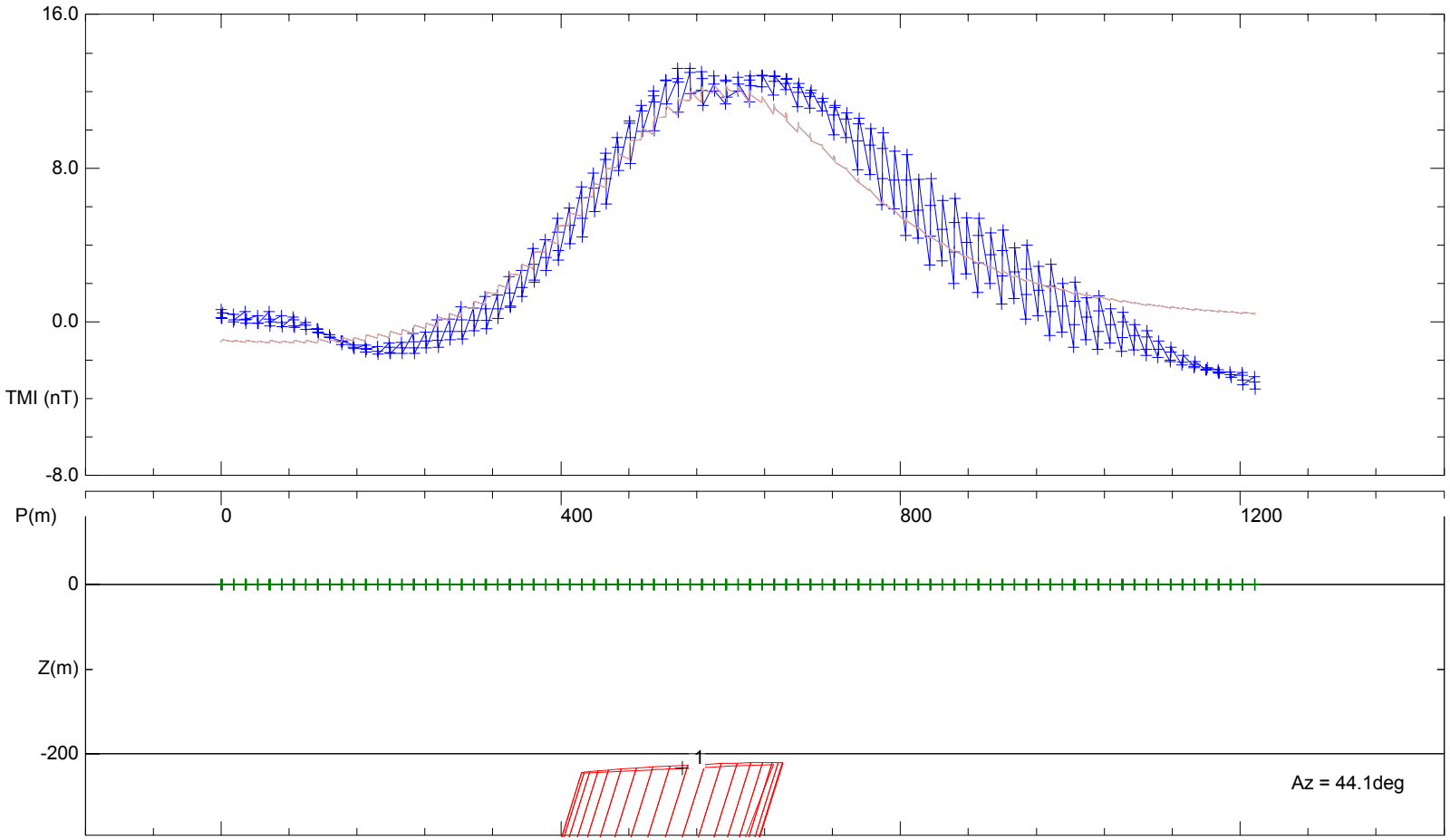
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		221776.4	6484935.7	-217.0	-70.4	19.8	2.3	1.000	0.0042	204.524	303.395	411.066	68.397



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

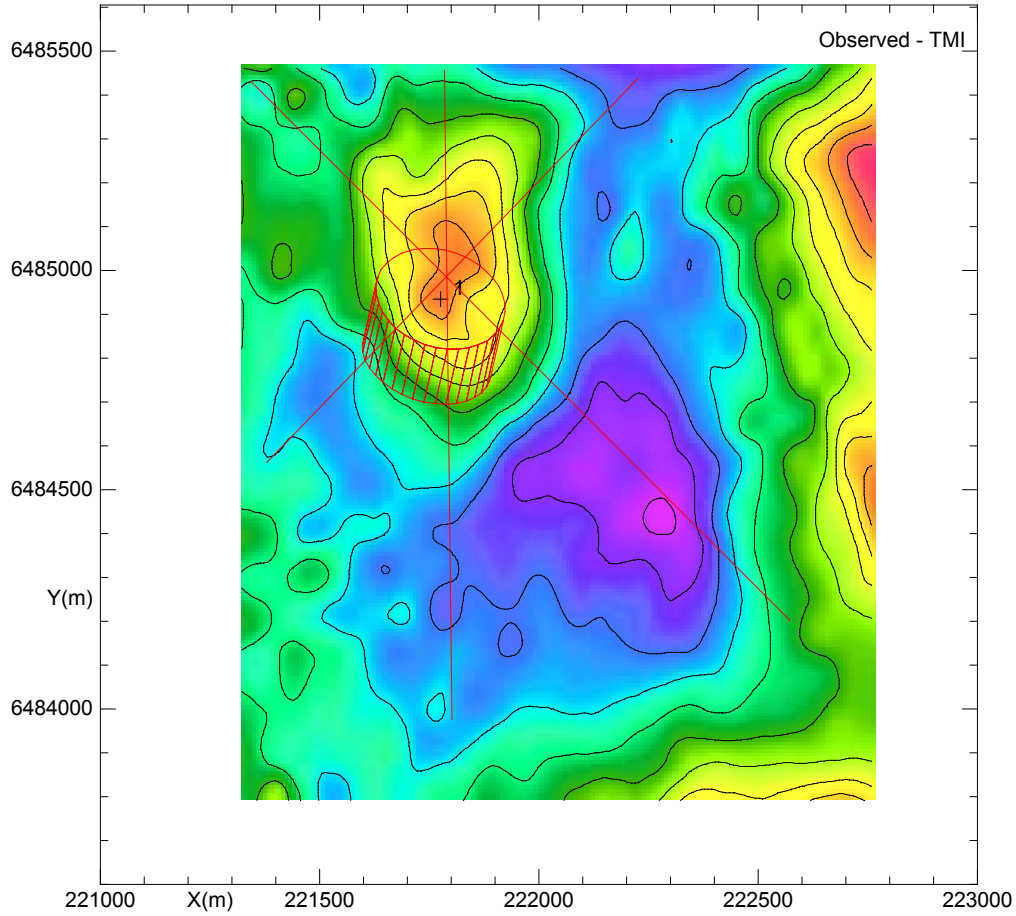
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		221776.4	6484935.7	-217.0	-70.4	19.8	2.3	1.000	0.0042	204.524	303.395	411.066	68.397



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		221776.4	6484935.7	-217.0	-70.4	19.8	2.3	1.000	0.0042	204.524	303.395	411.066	68.397



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
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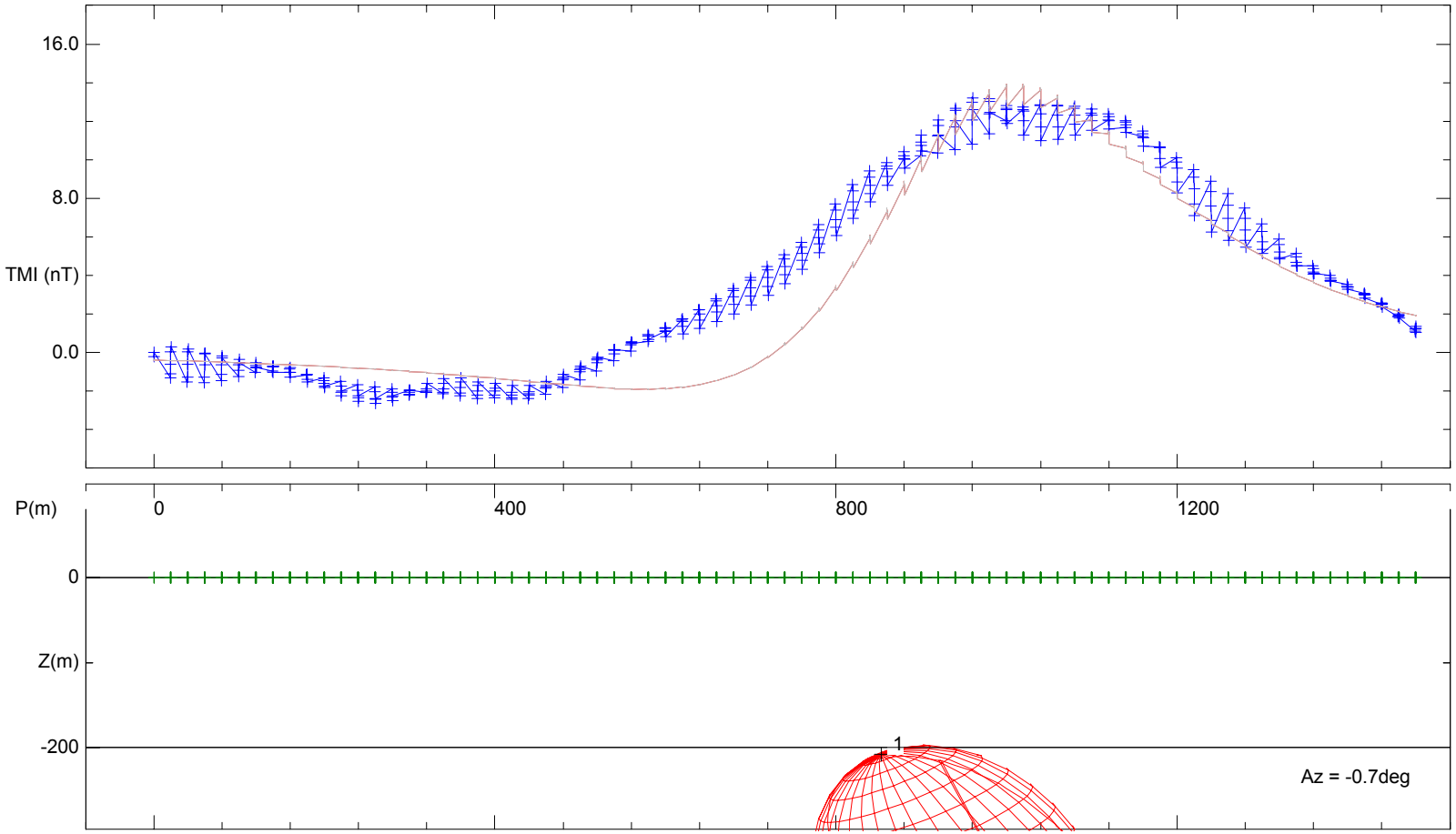
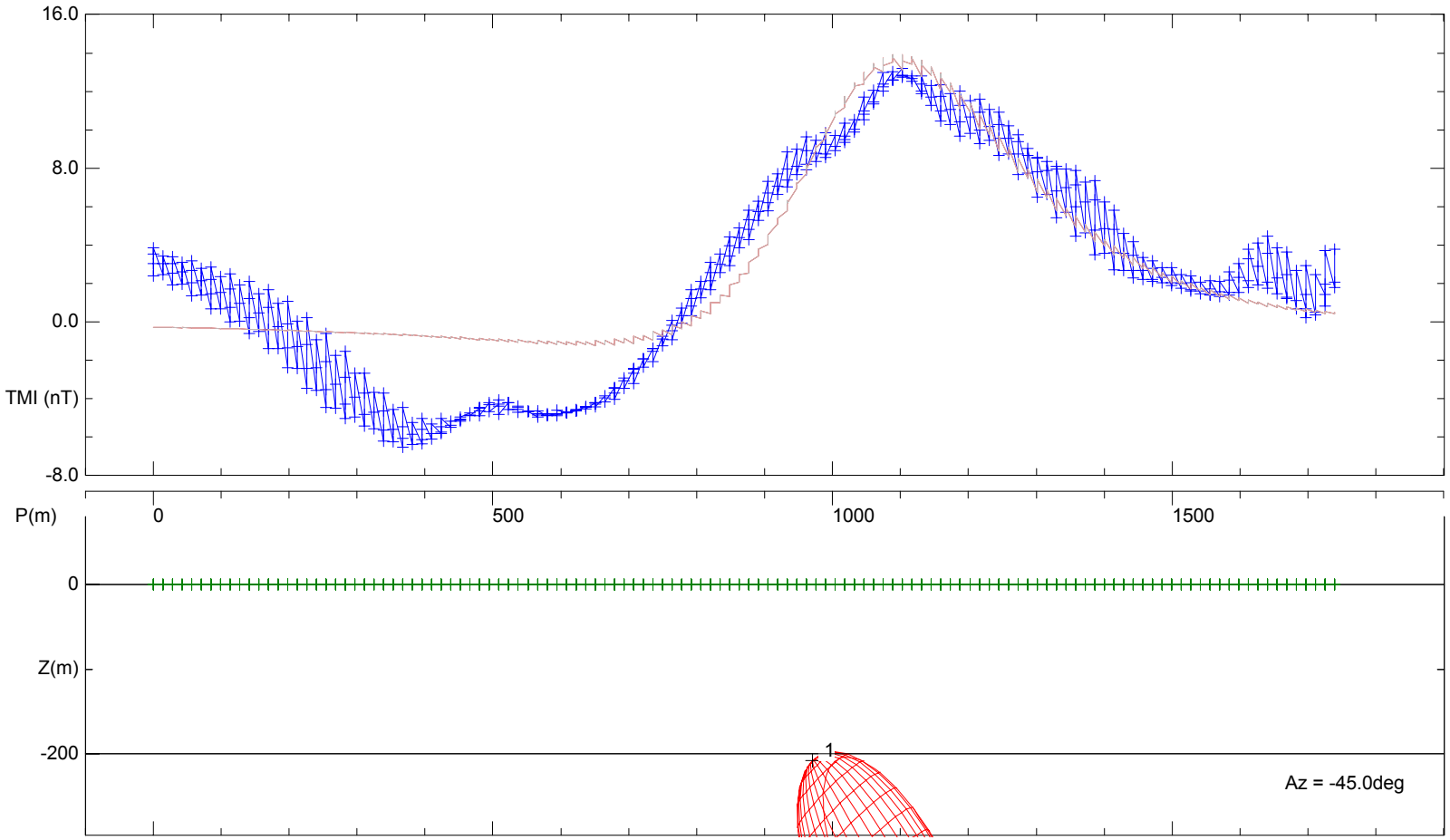


Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

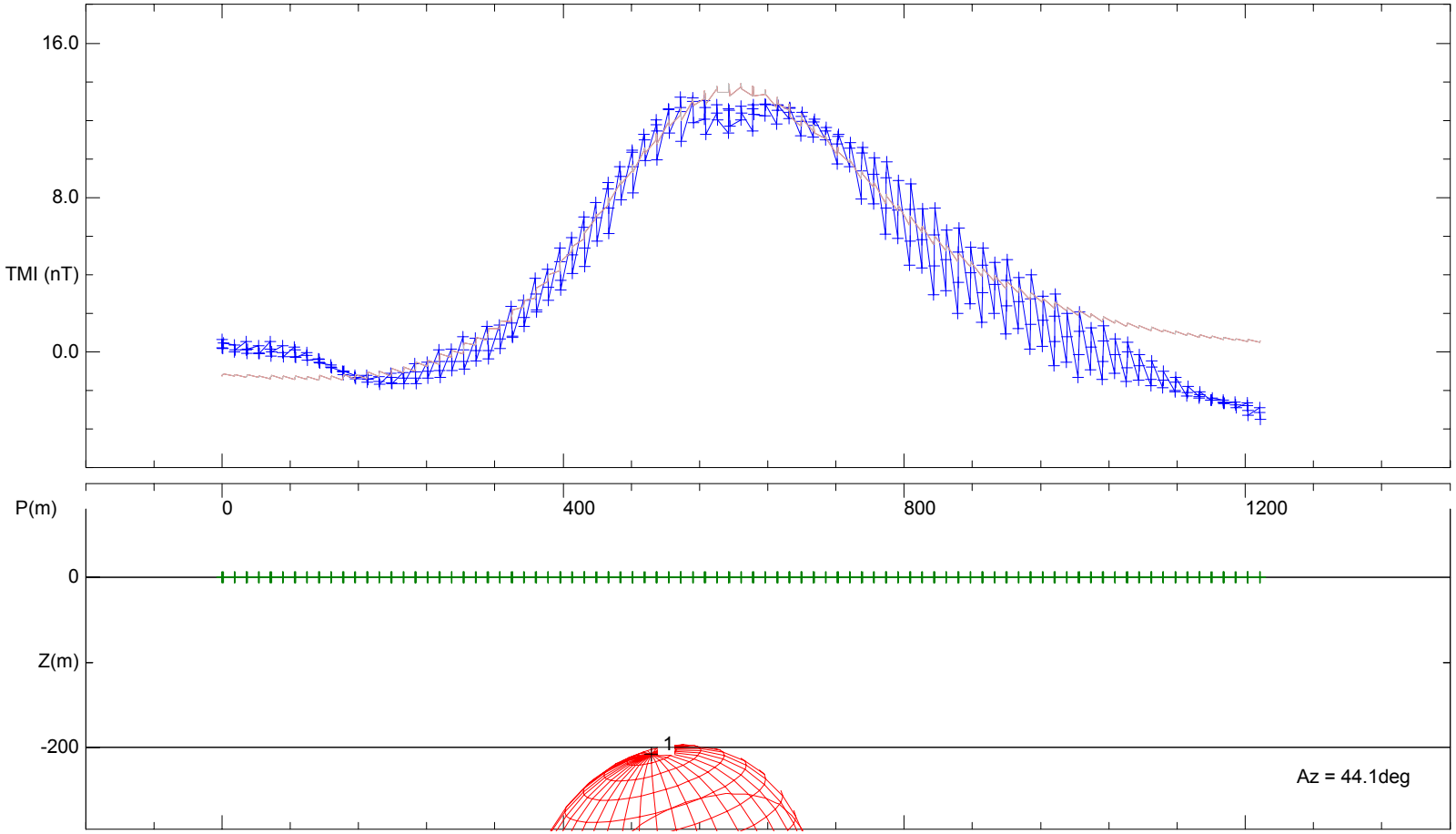
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221828.2	6484830.6	-208.1	19.2	29.0	-19.0	1.000	0.0076	153.153	352.931	419.195



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

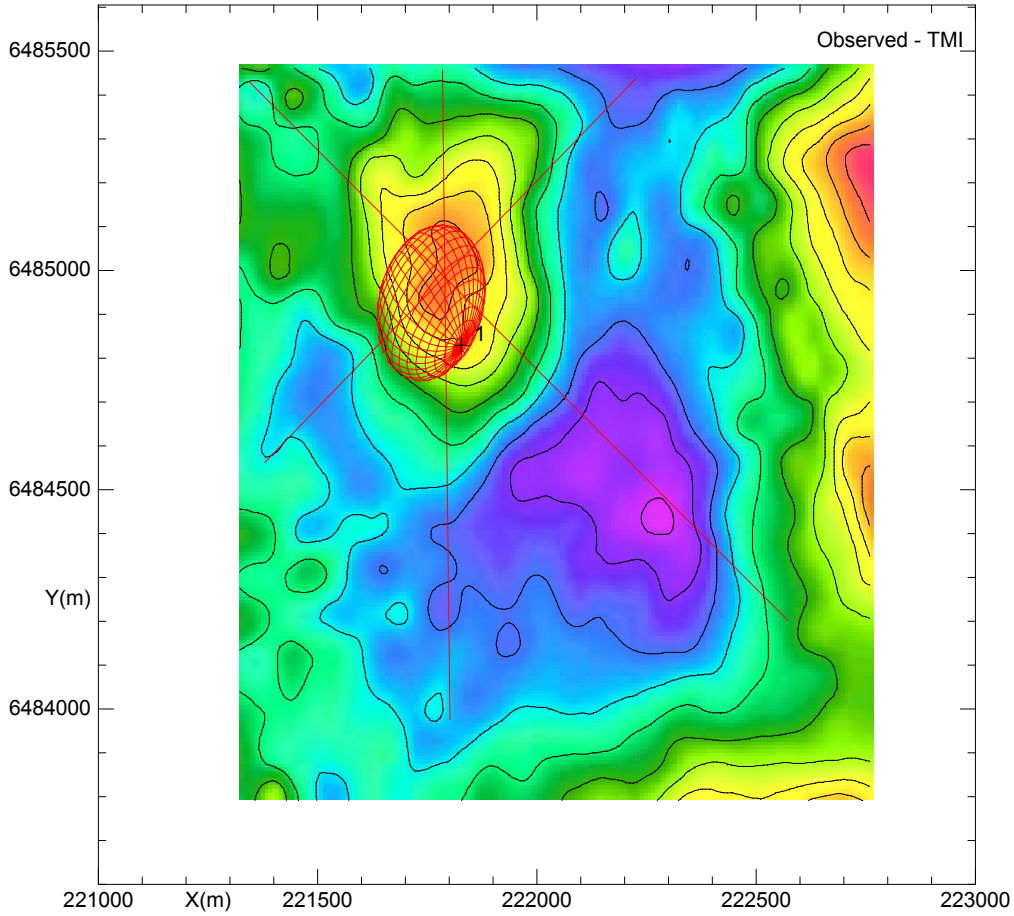
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221828.2	6484830.6	-208.1	19.2	29.0	-19.0	1.000	0.0076	153.153	352.931	419.195



Model Summary

IGRF : H = 57987; Az = 7.4; Inc = -64.4

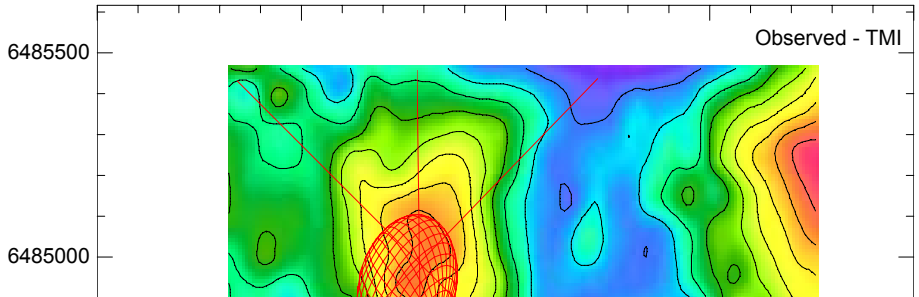
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221828.2	6484830.6	-208.1	19.2	29.0	-19.0	1.000	0.0076	153.153	352.931	419.195

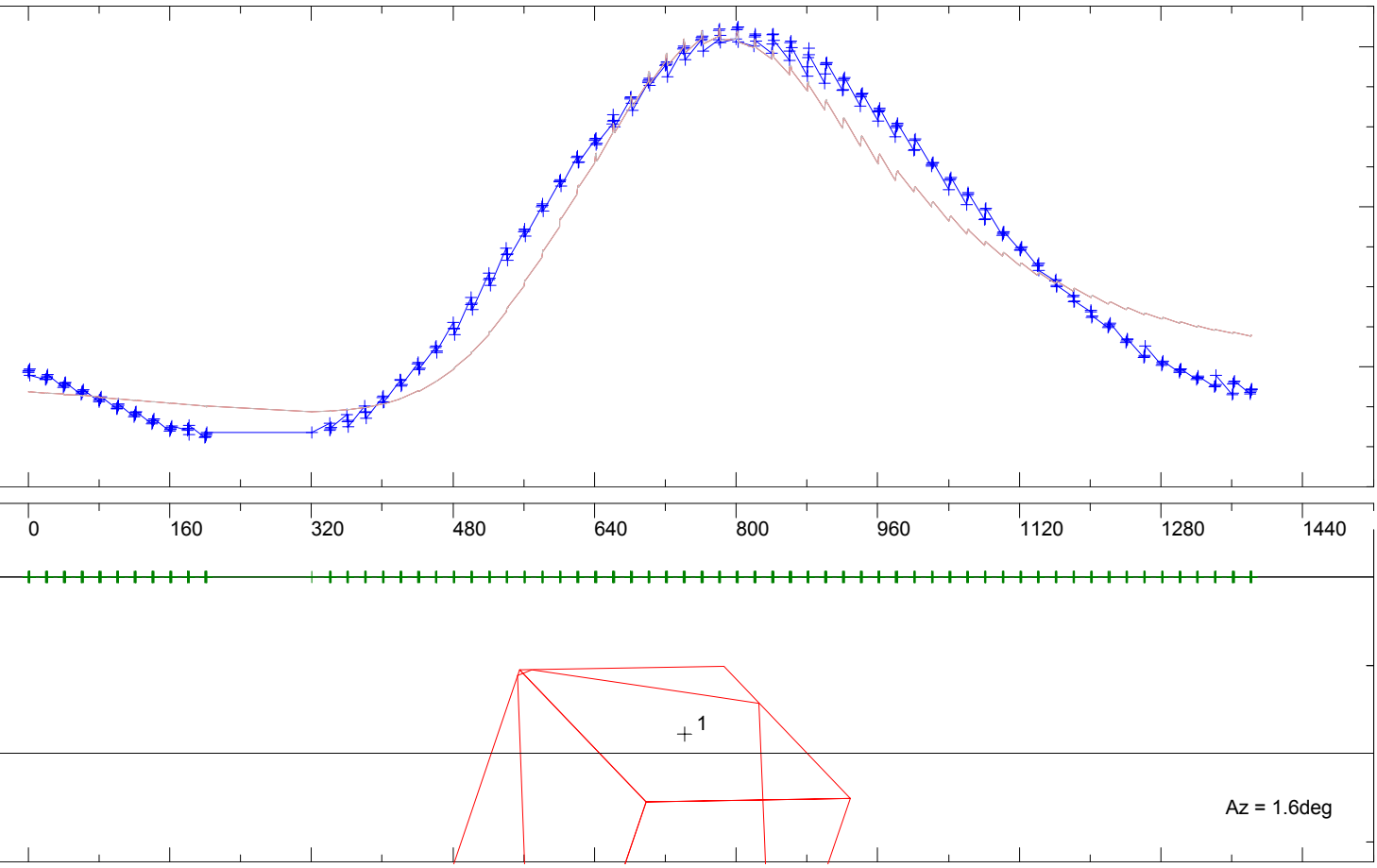


Model Summary

IGRF : H = 57987; Az =

Body Type	Descriptio
1 Ellipsoid	

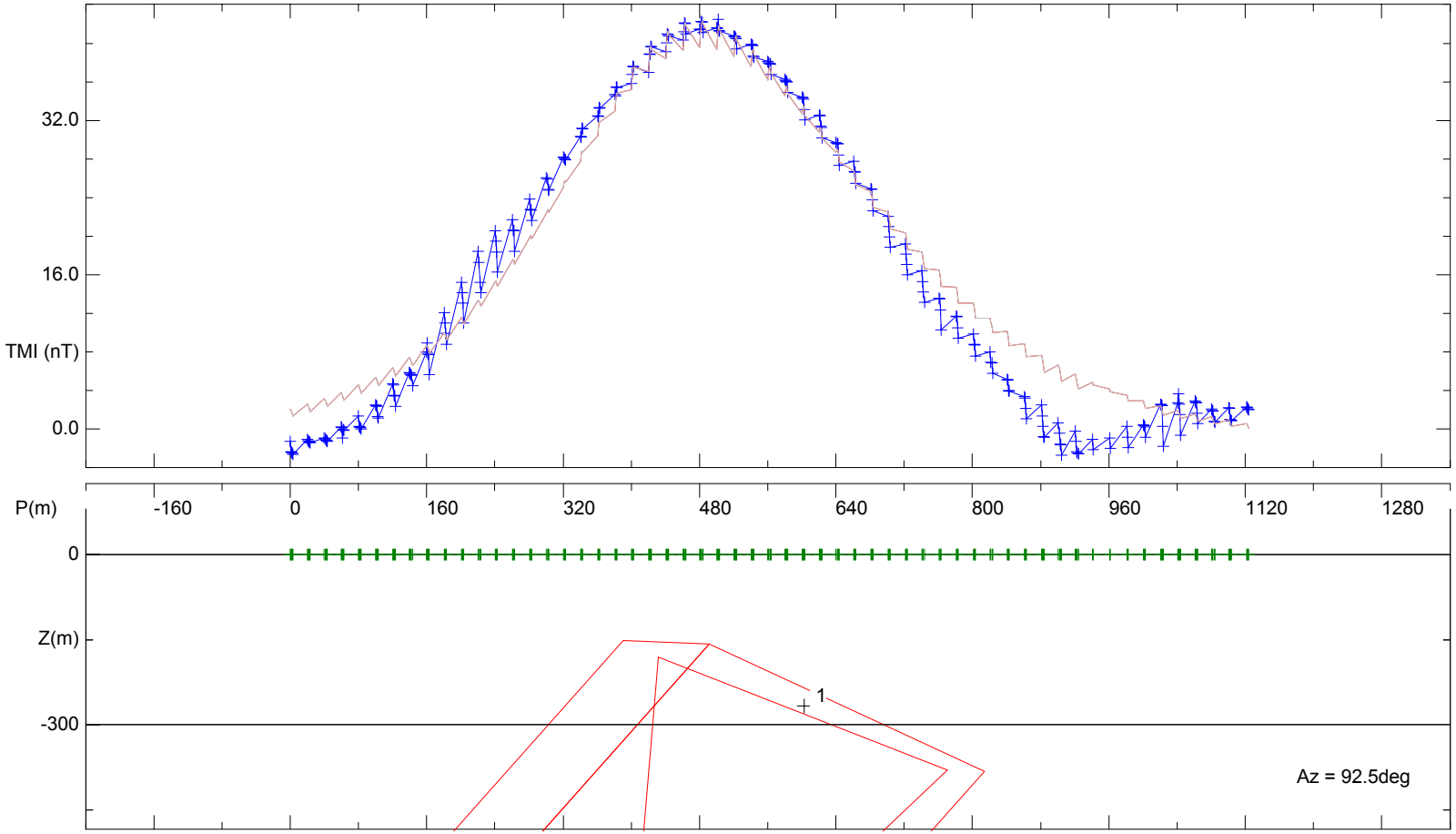




mmary

7821; Az = 7.3; Inc = -64.1

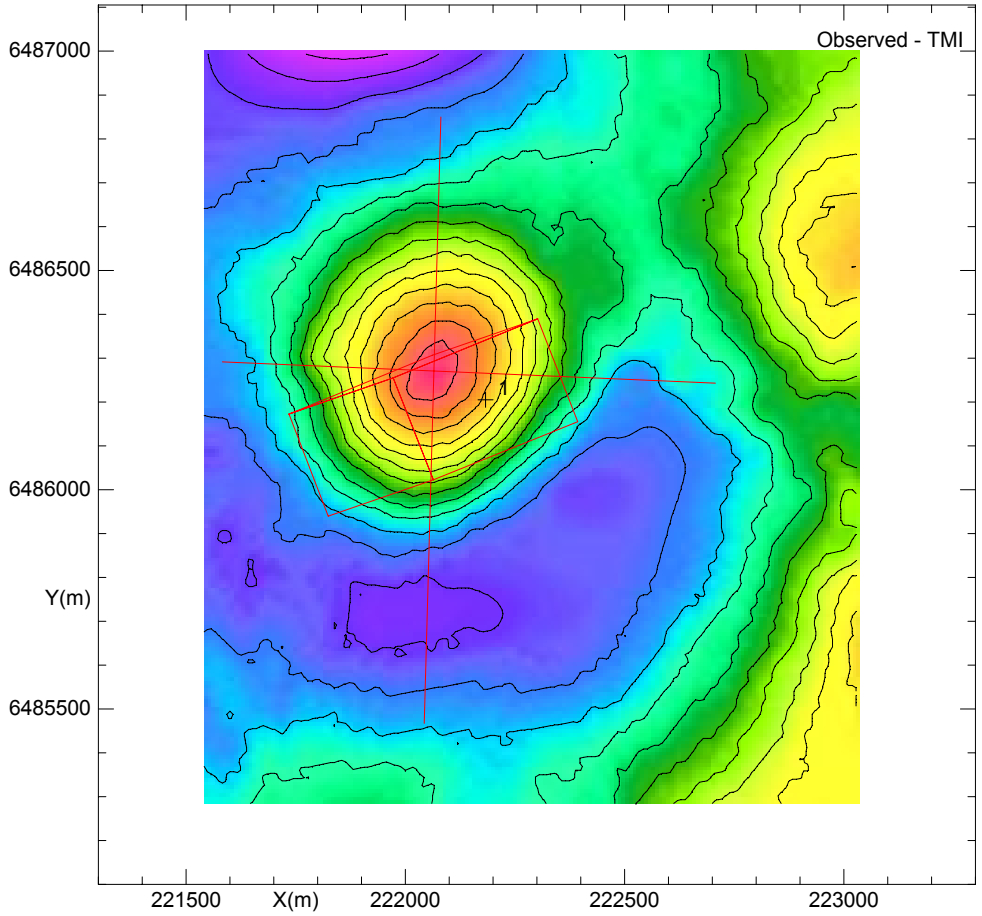
	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
m		222183.6	6486206.5	-266.9	-111.3	-1.3	-32.4	1.000	0.0086	250.452	420.177	471.927



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

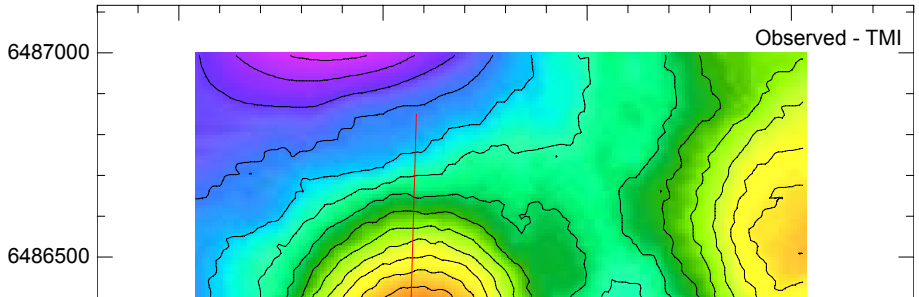
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		222183.6	6486206.5	-266.9	-111.3	-1.3	-32.4	1.000	0.0086	250.452	420.177	471.927

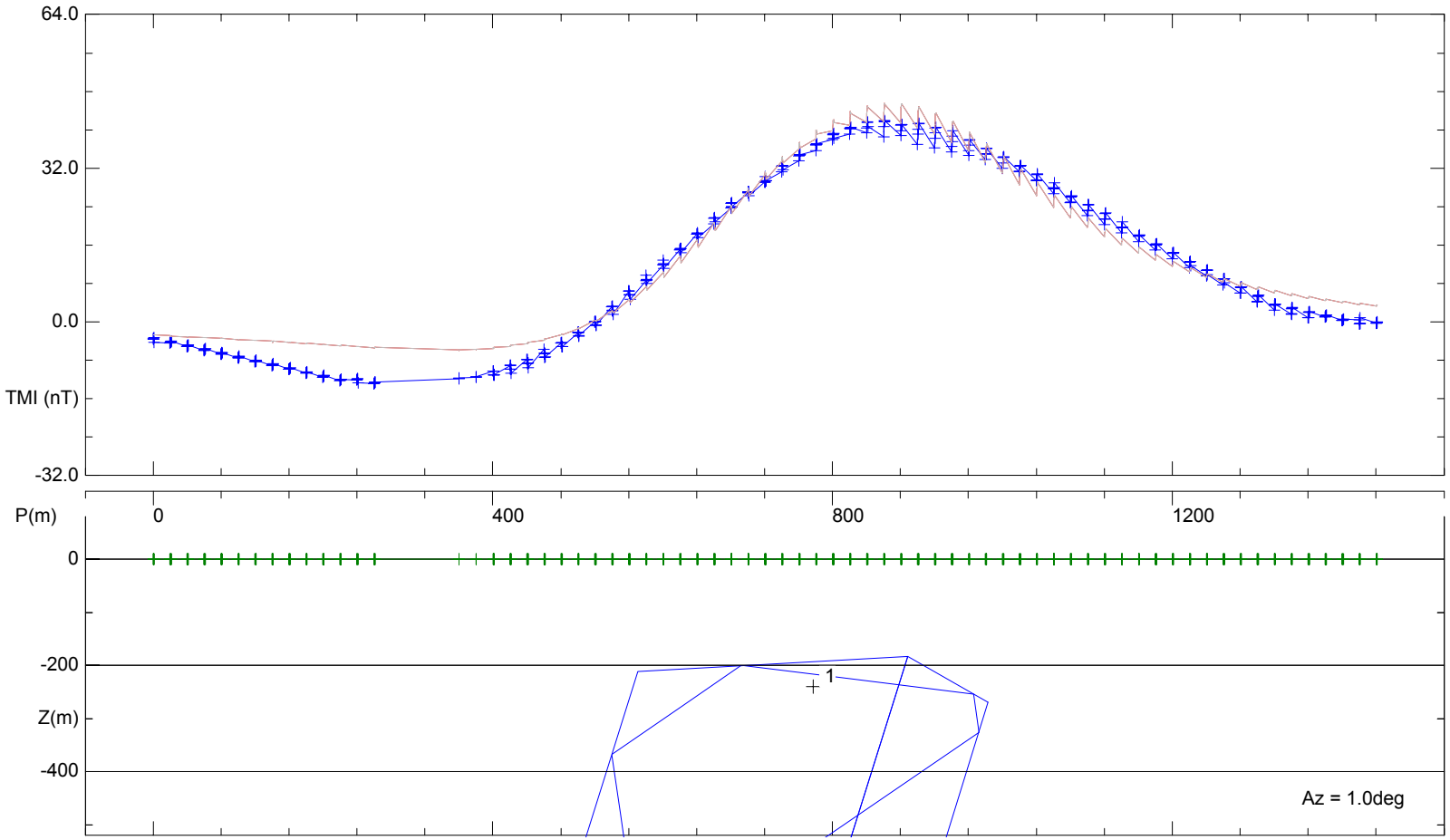


Model Summary

IGRF : H = 57821; Az =

Body	Type	Descript
1	RectPrism	

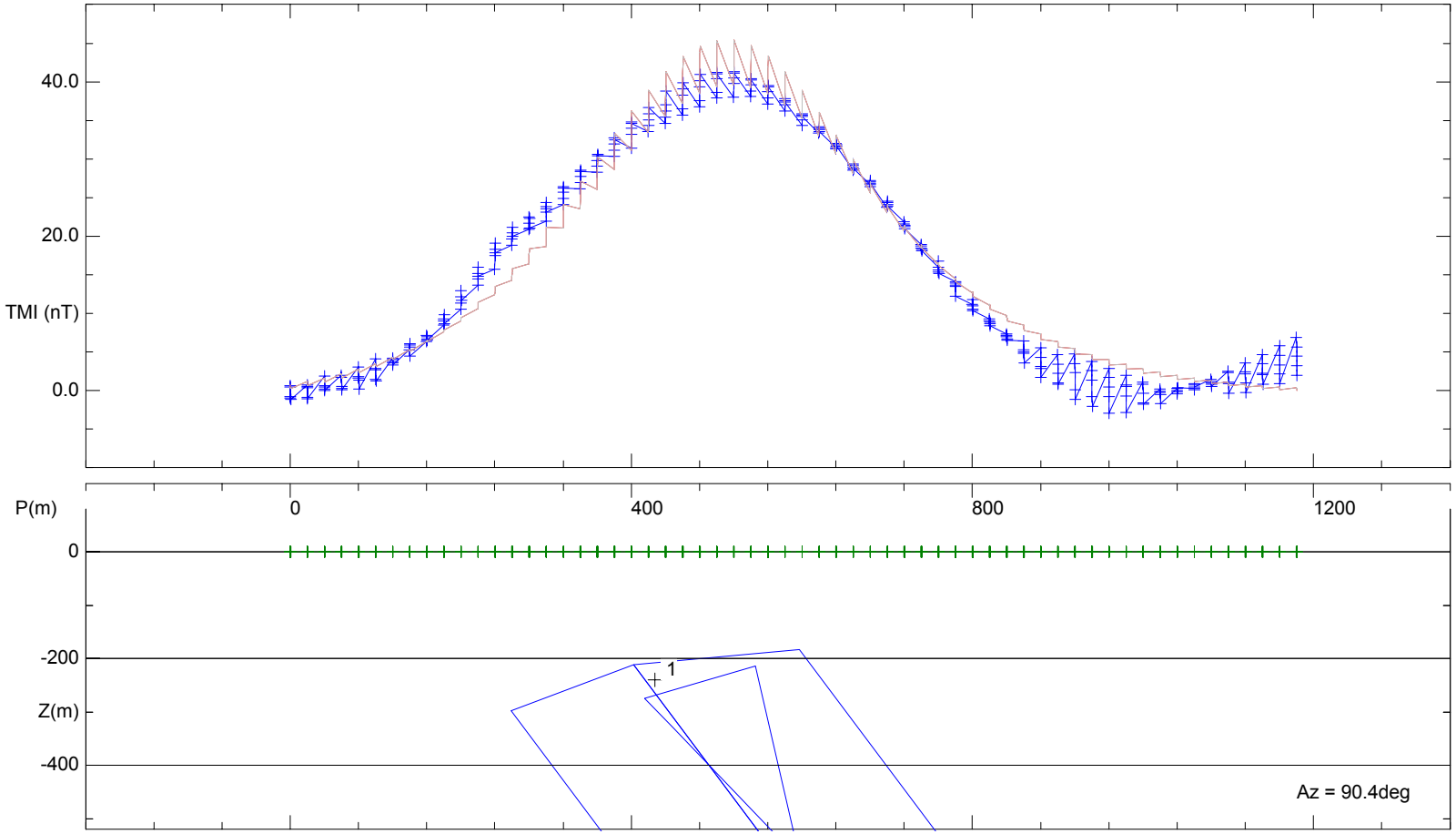




Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

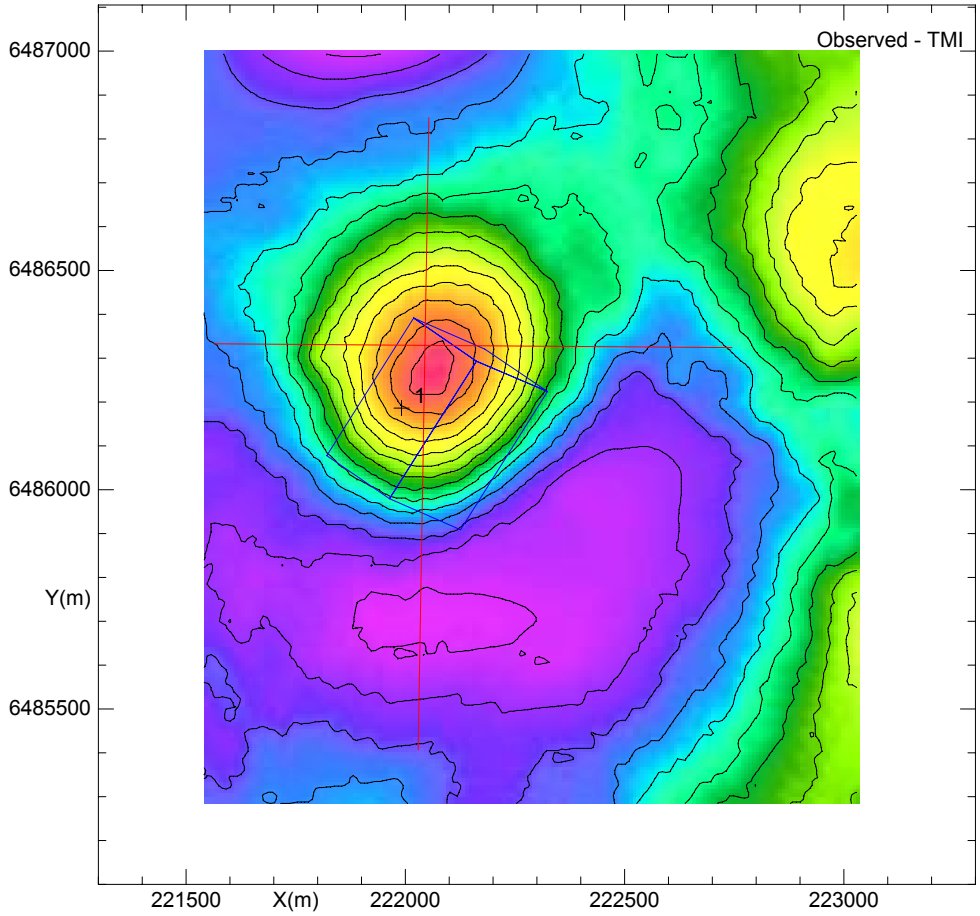
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221992.3	6486186.3	-239.7	-145.7	26.5	4.9	1.000	0.0135	193.485	372.123	389.193



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

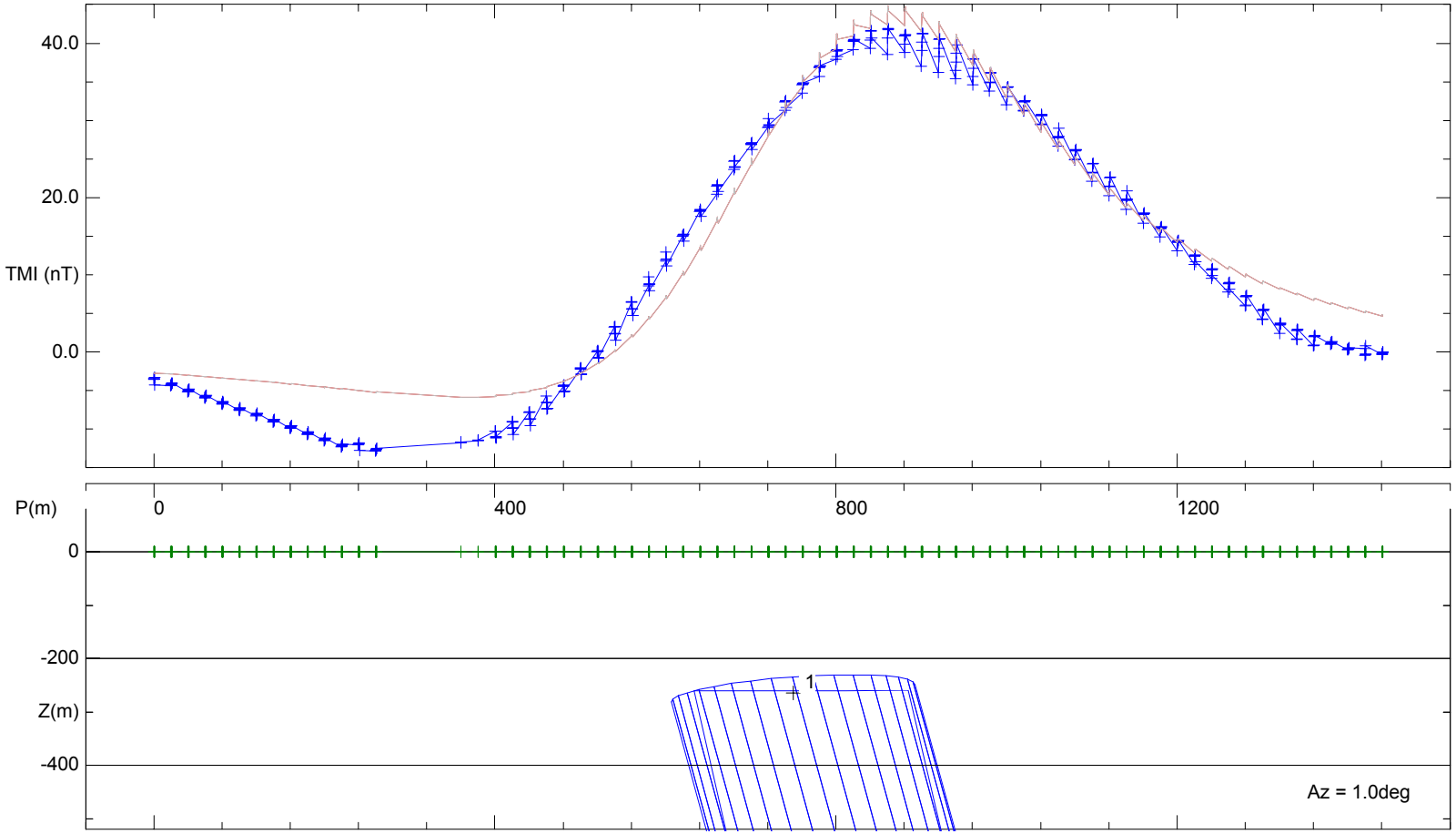
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221992.3	6486186.3	-239.7	-145.7	26.5	4.9	1.000	0.0135	193.485	372.123	389.193



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

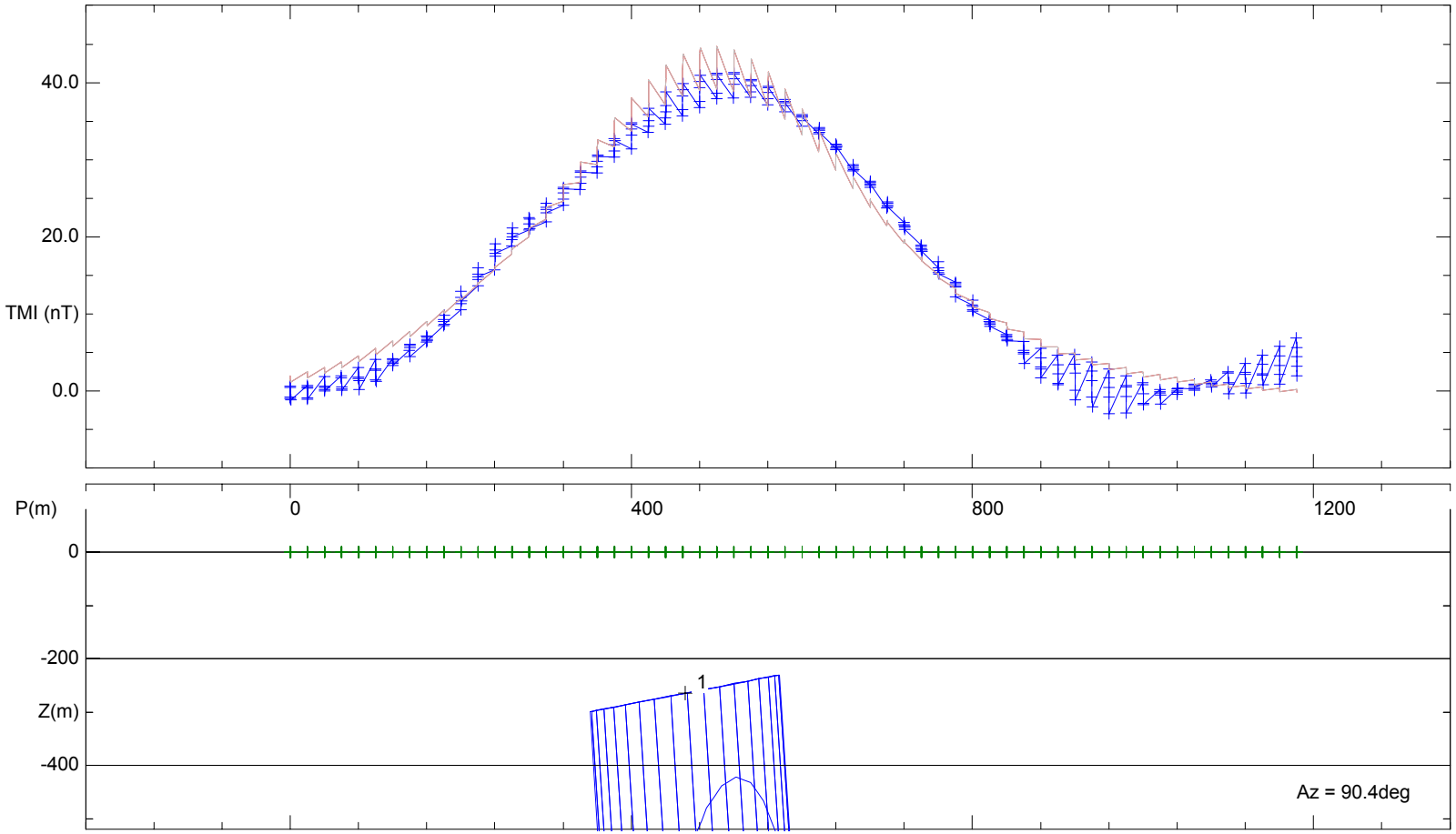
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		221992.3	6486186.3	-239.7	-145.7	26.5	4.9	1.000	0.0135	193.485	372.123	389.193



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

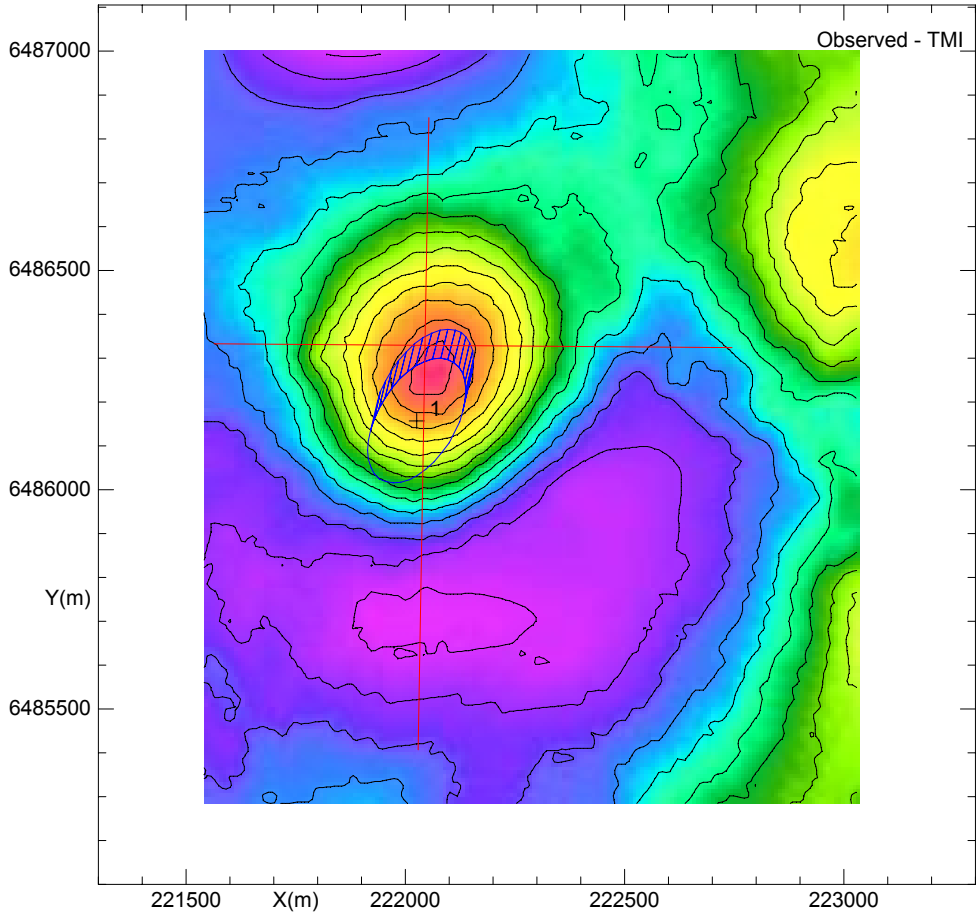
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222027.0	6486158.4	-264.4	-148.0	-3.2	9.4	1.000	0.0248	175.269	318.935	405.757	107.764



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

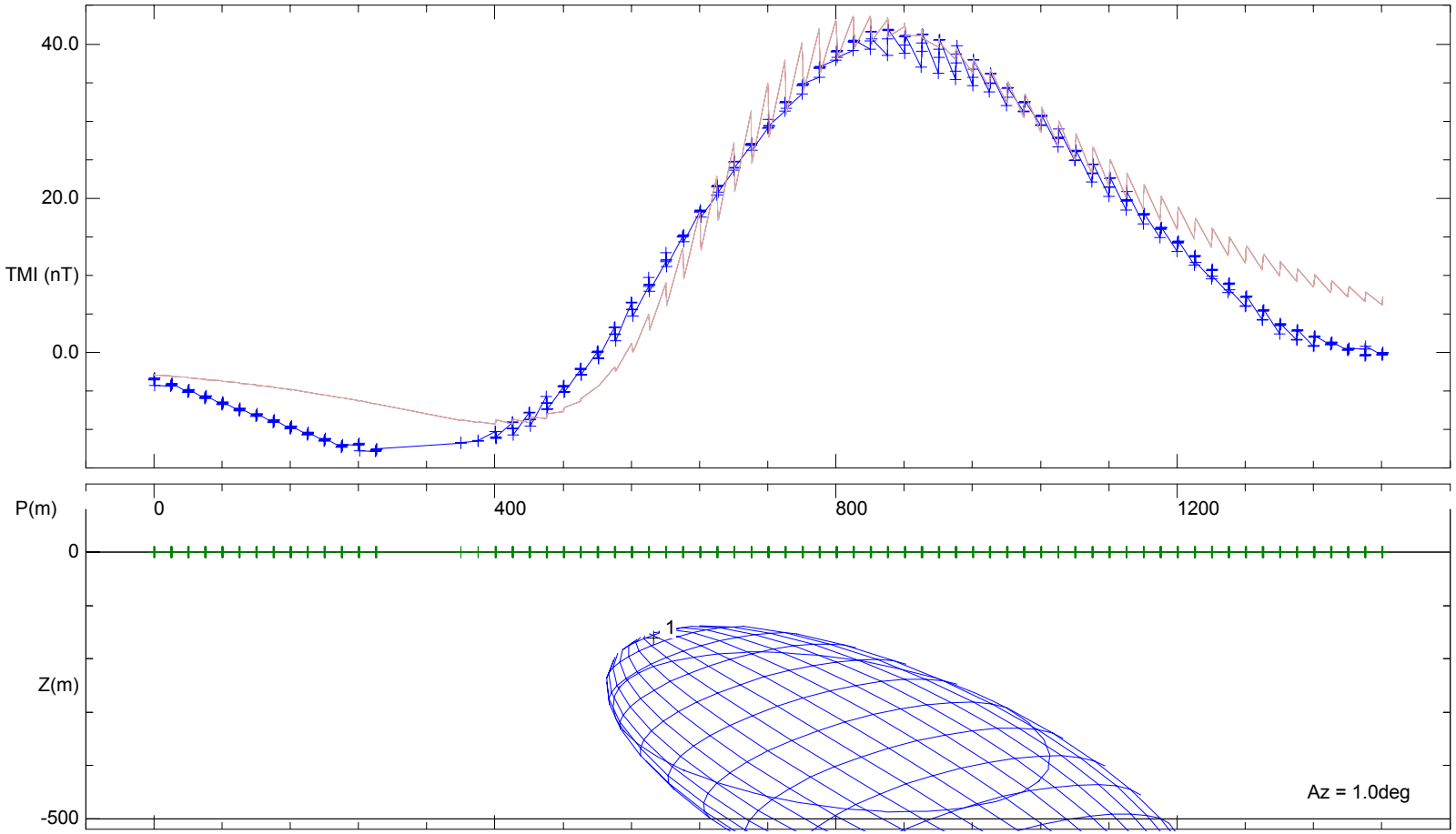
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222027.0	6486158.4	-264.4	-148.0	-3.2	9.4	1.000	0.0248	175.269	318.935	405.757	107.764



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

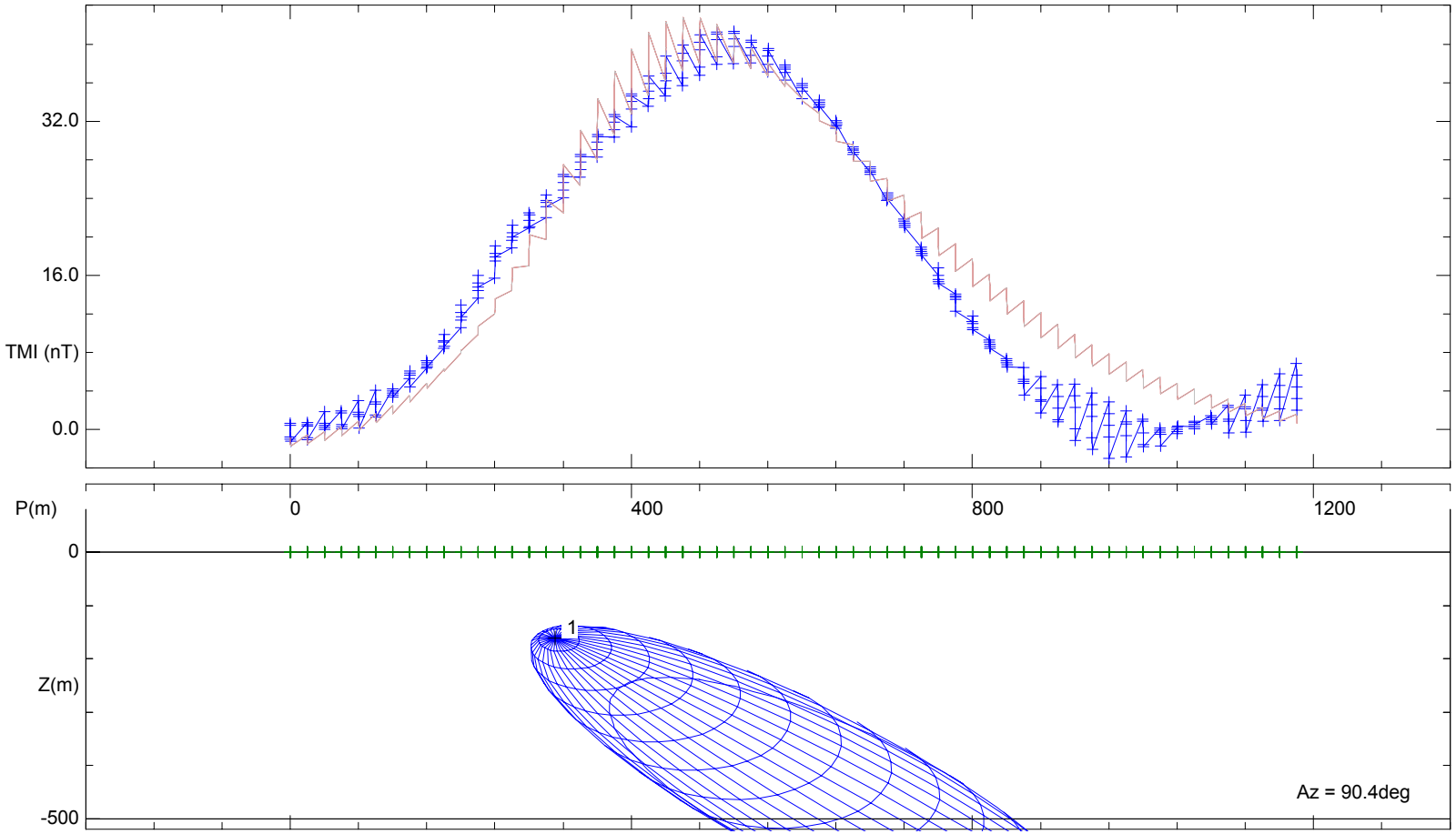
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222027.0	6486158.4	-264.4	-148.0	-3.2	9.4	1.000	0.0248	175.269	318.935	405.757	107.764



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

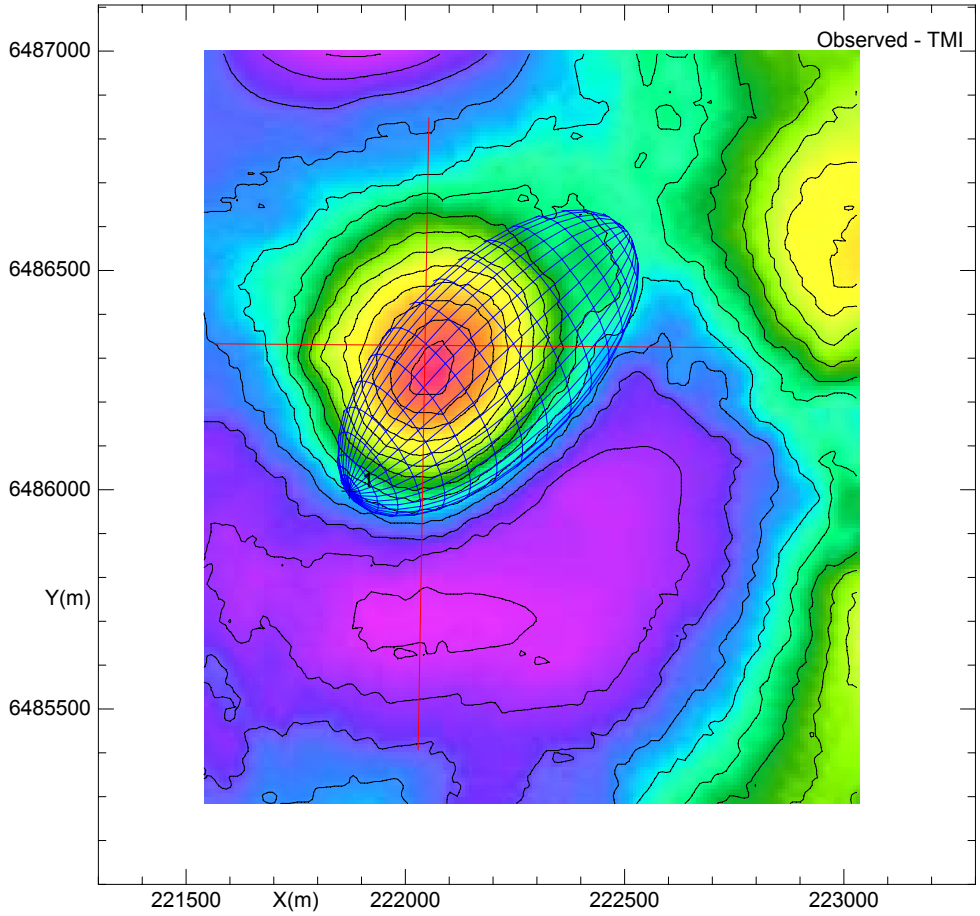
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221873.4	6485997.4	-160.3	-7.3	-50.4	-28.8	1.000	0.0083	250.457	467.171	1036.316



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

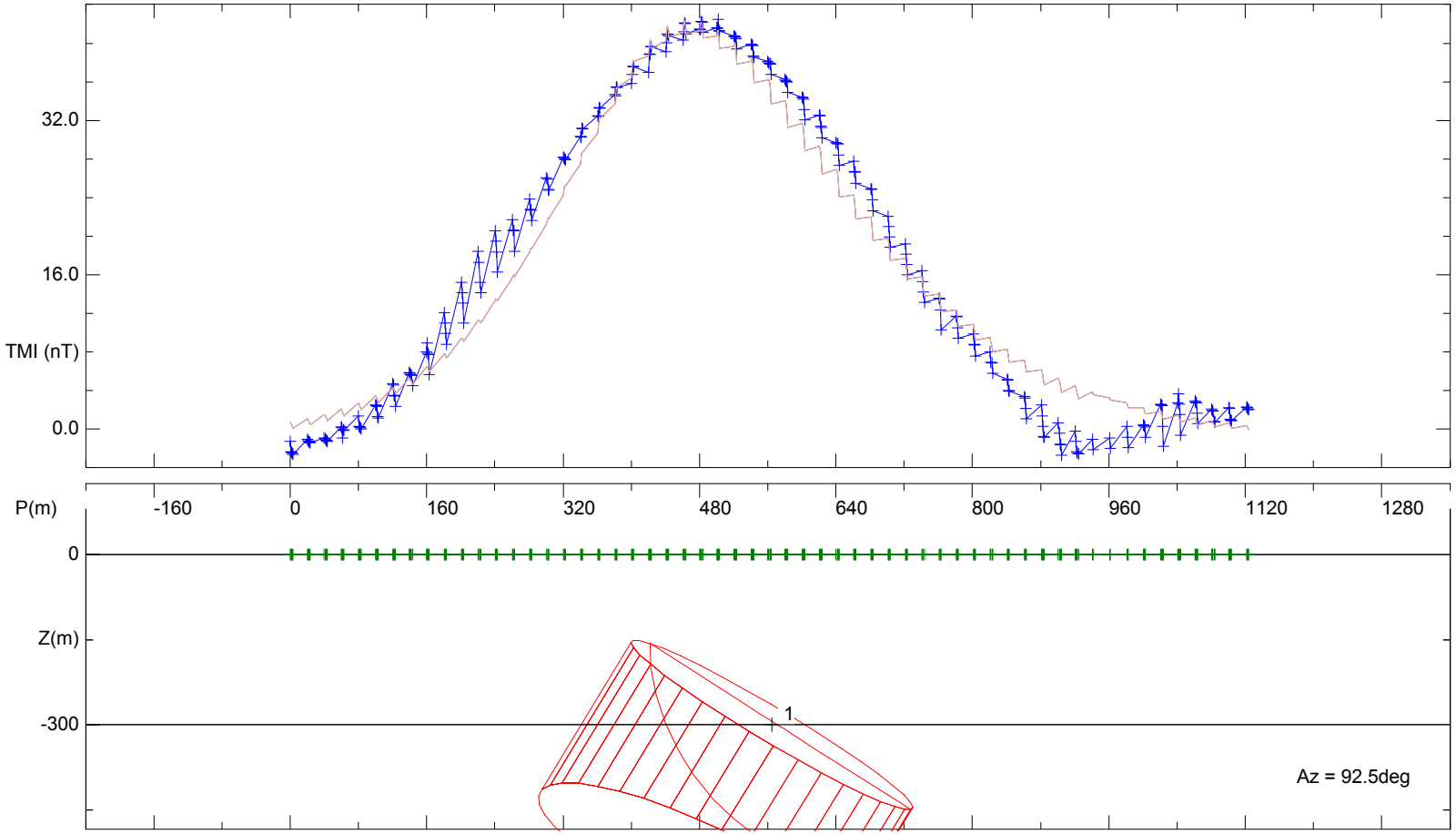
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221873.4	6485997.4	-160.3	-7.3	-50.4	-28.8	1.000	0.0083	250.457	467.171	1036.316



Model Summary

IGRF : H = 57950; Az = 7.5; Inc = -64.3

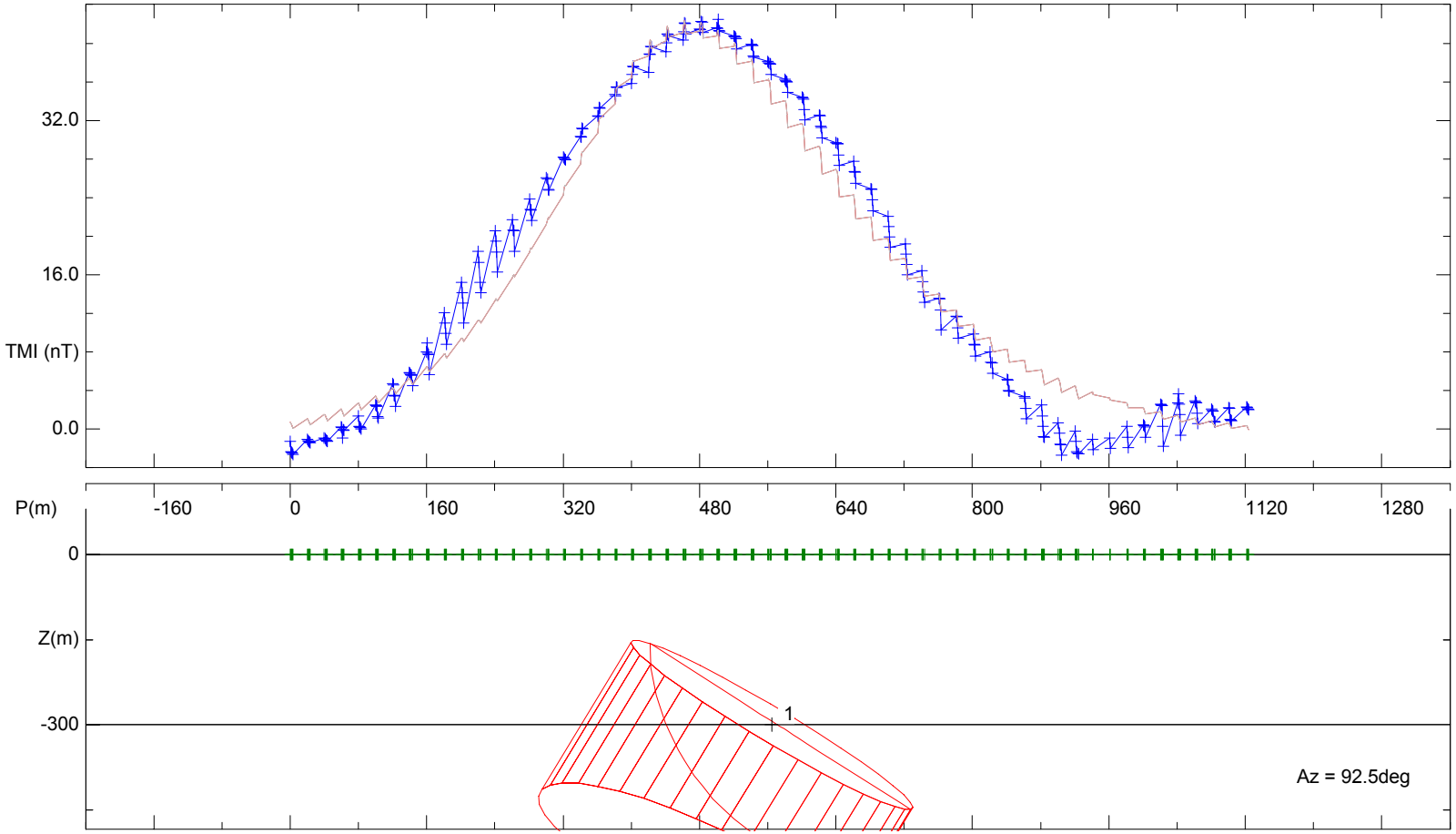
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221873.4	6485997.4	-160.3	-7.3	-50.4	-28.8	1.000	0.0083	250.457	467.171	1036.316



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

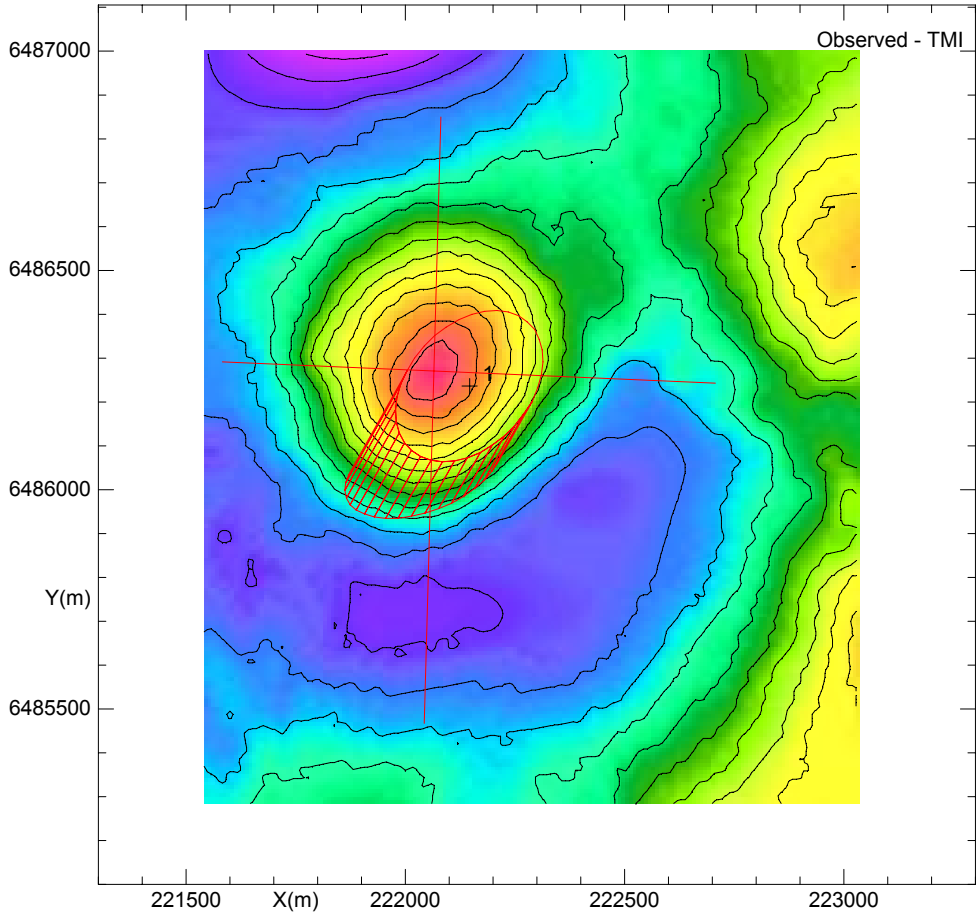
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222147.1	6486237.5	-300.2	-129.8	17.6	-38.5	1.000	0.0141	213.533	460.291	324.953	40.206



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

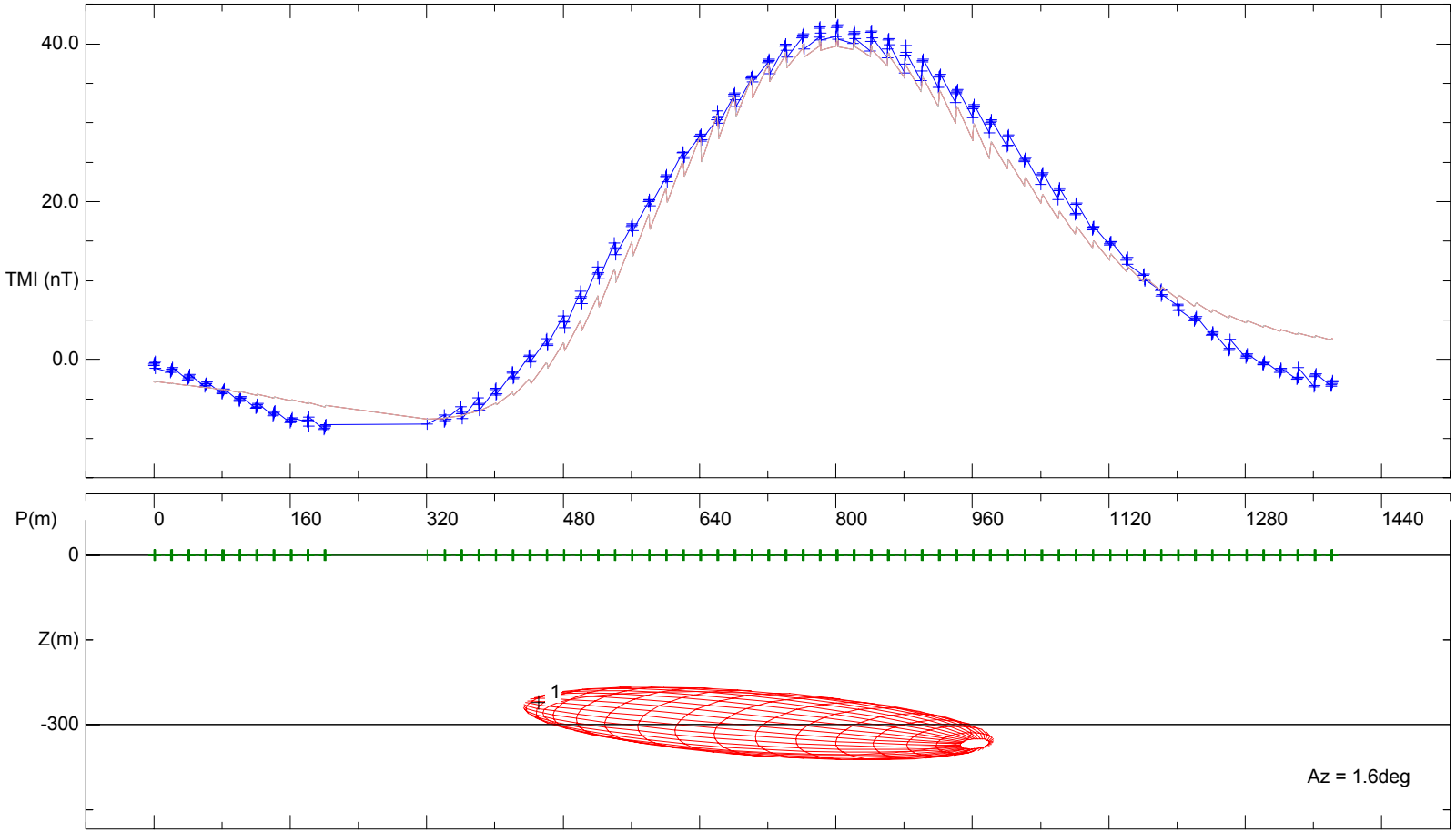
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222147.1	6486237.5	-300.2	-129.8	17.6	-38.5	1.000	0.0141	213.533	460.291	324.953	40.206



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

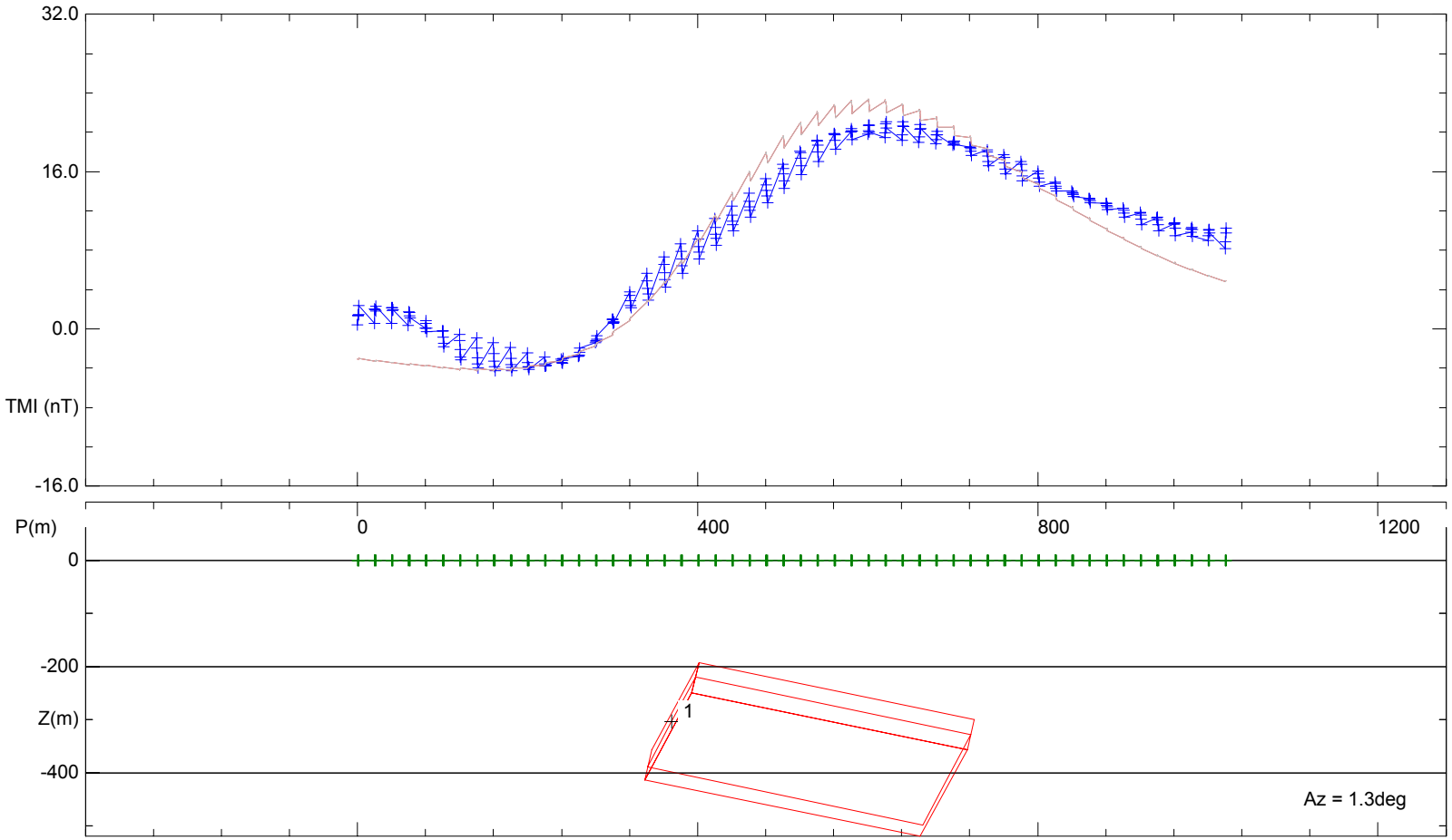
Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C	Slope
1	Cylinder		222147.1	6486237.5	-300.2	-129.8	17.6	-38.5	1.000	0.0141	213.533	460.291	324.953	40.206



Model Summary

IGRF : H = 57821; Az = 7.3; Inc = -64.1

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	Ellipsoid		221902.4	6485923.6	-261.0	-30.6	-82.3	-26.4	1.000	0.0202	104.718	374.113	606.867



Model Summary

IGRF : H = 57785; Az = 7.5; Inc = -64.0

Body	Type	Description	X	Y	Z	Strike	Dip	Plunge	Density	Susc.	A	B	C
1	RectPrism		223044.2	6486303.5	-303.1	-59.7	-68.9	-29.2	1.000	0.0090	176.457	324.450	341.502

```
  ************************************************
   Intrepid Gravity v3.6 (release) cut 158 (static)
   Start processing - 29/ 3/2002 15:53:13
  ************************************************

Gravity AGSO Field Data Checking Report
---------------------------------------

Starting from AGSO field and checking loops, GPS etc.
.. If you want to produce profiles, use LINE_POSITION keyword
.. and start each GPS record with an additional line number entry
------- ---- ---------- ------

Survey 1212: Torrens

1: Position Data
Full 3-D projection / datum conversion requested from MGA54/WGS84  to
GEODETIC/AGD66
1.1: Position Set 1
     Coordinate Reference Frame   - UNKNOWN
     Ellipsoid                    - WGS
     Horizontal Datum             - WGS84
     Vertical Datum               - AHD
     Coordinate Projection        - MGA54
     Position Accuracy            -   0.000001
     Elevation Accuracy           -      0.020
     Data Bounds
     Number of Stations           - 184
     Longitudes/latitudes
     transformed to horizontal
     datum                        - AGD66
     Longitude (Maximum, Minimum) - 138.084290 (  1002.000), 137.967337 (
2001.000)
     Latitude  (Maximum, Minimum) - -31.667746 ( 19107.000), -31.818125 (
2001.000)
     Elevation (Maximum, Minimum) -     78.884 ( 13101.000),  53.442000 (
16101.000)

1.2: Position Set 2
     Coordinate Reference Frame   - UNKNOWN
     Ellipsoid                    - WGS
     Horizontal Datum             - WGS84
     Vertical Datum               - AHD
     Coordinate Projection        - MGA54
     Position Accuracy            -   0.000001
     Elevation Accuracy           -      0.020
     Data Bounds
     Number of Stations           - 1
     Longitudes/latitudes
     transformed to horizontal
     datum                        - AGD66
     Longitude (Maximum, Minimum) - 137.993502 (  8782.000), 137.993502 (
8782.000)
     Latitude  (Maximum, Minimum) - -31.707137 (  8782.000), -31.707137 (
8782.000)
     Elevation (Maximum, Minimum) -     55.676 (  8782.000),  55.676000 (
8782.000)

1.3: Total Number of Stations     - 185

2: Control Gravity Data
2.1: Station List
     Station   Obs Gravity   Precision   Datum      Theoretical  Comments
```

```
         8782  9794142.3300      0.1000   IGSN71   9794597.6149

2.2: Primary Control Gravity Station -       8782

3: Gravity Meter Calibration Loop Data
No Gravity Meter Calibration Data
4: Gravity Observation Loop Data
Loop header possible error LOOP
4.1: Gravity Meter Loop Set 1
     Gravimeter          - LCR_G(LCR): Meter - G212, Adjustment to Manufacturers
Scale Factor 1.057500
     Gravimeter Reader   - Jim Allender
     Number of Loops     - 12
     Loop   Number   Readings   BaseIn  BaseOut      Start              End
       1    100.010      3       1002     1002   19/ 5/2002 10:46   19/ 5/2002
11:33
       2    102.010     29       8782     8782   19/ 5/2002 13: 1   19/ 5/2002
16: 7
       3    103.010     23       8782     8782   19/ 5/2002 16: 8   20/ 5/2002
10:30
       4    104.010     16       8782     8782   20/ 5/2002 10:31   20/ 5/2002
11:48
       5    105.010     18       8782     8782   20/ 5/2002 11:58   20/ 5/2002
13:20
       6    106.010      5       1001     1001   20/ 5/2002 14: 3   20/ 5/2002
15: 9
       7    107.010      3       8777     8777   20/ 5/2002 15:37   20/ 5/2002
16:17
       8    108.010     20       8777     8777   20/ 5/2002  7:50   21/ 5/2002
9:48
       9    109.010     21       8777     8777   21/ 5/2002  9:50   21/ 5/2002
11:46
      10    110.010     25       8777     8777   21/ 5/2002 11:46   21/ 5/2002
13:39
      11    111.010     20       8777     8777   21/ 5/2002 13:41   21/ 5/2002
15:13
      12    112.010      7       8777     8777   21/ 5/2002 15:15   21/ 5/2002
15:48


5: Node List
   X - node in loop
   D - node in loop used for drift control
   F - fixed node in loop
5.1: Gravity Meter Loop Set 1 validation test
 Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed
stations
Number of Unique Nodes = 4


     Loop  |  1  2  3  4  5  6  7  8  9 10 11 12
 __________|_____________________________________
     Node  |
      1002 |  D                 X
      1001 |  X              D
      8782 |     D  D  D  D
      8777 |                 X  D  D  D  D  D  D


6: Global Nodes - Nodes common to more than one Gravimeter
Warning - NO GLOBAL NODES FOUND
 You have only one loop/one gravity meter
```

```
 No global adjustment will be attempted


7: Internal Loop repeat stations

7.1: Gravity Meter Loop Set 1
Loop        Station       No. Repeats

   1
   2
   3
   4
   5
   6
   7
   8
   9
  10
  11
  12

Total Number of Repeats 0



8: Data Structure Check
8.1: Data Structure Check for Gravity Meter Loop Set 1
Loop   FirstAndLast   TimeOrder  Tares  Position  Nodes
   1        ok           ok        ok      ok        ok
   2        ok           ok        ok      ok        ok
   3        ok           ok        ok      ok        ok
   4        ok           ok        ok      ok        ok
   5        ok           ok        ok      ok        ok
   6        ok           ok        ok      ok        ok
   7        ok           ok        ok      ok        ok
   8        ok           ok        ok      ok        ok
   9        ok           ok        ok      ok        ok
  10        ok           ok        ok      ok        ok
  11        ok           ok        ok      ok        ok
  12        ok           ok        ok      ok        ok
SaveLoopDB
Loop DB output in GEODETIC proj, AGD66 datum
 *** 190 stations output in newly created intrepid gravity loop database
                data stored in ->  Survey1212_LoopDB
Gravity output DB created Survey1212_ControlDB,  in GEODETIC proj, AGD66 datum
 *** 1 stations output in newly created gravity database
       data stored in Intrepid format ->  Survey1212_ControlDB

  ************************************************
   End   processing - 29/ 3/2002 15:53:18, Log =
J:/Mara/Mara_gravity_September_2002/processing_1212.rpt
  ************************************************



  ************************************************
   Intrepid Gravity v3.6 (release) cut 158 (static)
   Start processing - 29/ 3/2002 15:53:28
  ************************************************

Gravity Processing Report
-------------------------

Starting from Loop Data Base and doing All adjustments

5: Node List
```

X - node in loop
D - node in loop used for drift control
F - fixed node in loop

5.1: Gravity Meter Loop Set 1 validation test
Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed stations
Number of Unique Nodes = 4

Loop	1	2	3	4	5	6	7	8	9	10	11	12
Node												
1002	D						X					
1001	X					D						
8782		D	D	D	D							
8777						X	D	D	D	D	D	D

6: Global Nodes - Nodes common to more than one Gravimeter
Warning - NO GLOBAL NODES FOUND
You have only one loop/one gravity meter
No global adjustment will be attempted

7: Internal Loop repeat stations

7.1: Gravity Meter Loop Set 1

Loop	Station	No. Repeats
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Total Number of Repeats 0

8: Data Structure Check
8.1: Data Structure Check for Gravity Meter Loop Set 1

Loop	FirstAndLast	TimeOrder	Tares	Position	Nodes
1	ok	ok	ok	ok	ok
2	ok	ok	ok	ok	ok
3	ok	ok	ok	ok	ok
4	ok	ok	ok	ok	ok
5	ok	ok	ok	ok	ok
6	ok	ok	ok	ok	ok
7	ok	ok	ok	ok	ok
8	ok	ok	ok	ok	ok
9	ok	ok	ok	ok	ok
10	ok	ok	ok	ok	ok
11	ok	ok	ok	ok	ok
12	ok	ok	ok	ok	ok

9: MeterCorrections

MeterCorrections for set number 1

10: EarthTide

EarthTide correction for set number 1

11: Gravity Drift Corrections

11.1 Gravity Meter Drift Correction for set number 1
Least Squares Polynomial Fitting - multi-loop

Rejecting Too small an Interval (Time Segment) for Base Stations
Skipping time segment as too small (less than 0.480 of hour)

Base = 8782, Obs.Drift = 0.017047, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = -0.037090, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = 0.096548, Time interval = 0.166667 (hrs)
Base = 8777, Obs.Drift = -0.006136, Time interval = -17.933333 (hrs)
StartTime = 2452415.178472 End Time = 2452414.431250 decimal days ***** note negative interval
Base = 8777, Obs.Drift = -0.029981, Time interval = 0.016667 (hrs)
Base = 8777, Obs.Drift = -0.039718, Time interval = 0.016667 (hrs)
Base = 8777, Obs.Drift = -0.020273, Time interval = 0.016667 (hrs)
Base = 8777, Obs.Drift = 0.008595, Time interval = 0.016667 (hrs)

Initial Goodness of fit for drift curve polynominal of order 2 is = 26.001245 (ChiSqr)
Probability that observed ChiSqr for a correct model be less than this is = 0.961990

Rejecting Outlier Intervals(Time Segments) for Base
Note, the gradient drift polynominal uses X = MidTime, Y = Obs.Drift
The Calc. Drift is the Least Squares Estimated drift

Base	StartTime (hrs)	interval Calc (hrs)	MidTime (hrs from start)	Obs.Drift (per hr)	Calc.Drift (per hr)	status
1002	0.0000	0.8000	0.4000	-0.18350	-0.05291	
1002	0.8000	37.9000	19.7500	-0.00650	-0.01671	
1001	0.6667	26.6333	13.9833	-0.01579	-0.02750	
1001	27.3000	1.1000	27.8500	-0.03205	-0.00156	
8782	2.2667	3.1000	3.8167	-0.05836	-0.04652	
8782	5.3833	18.3500	14.5583	0.01407	-0.02642	
8782	23.7500	1.2833	24.3917	0.18760	-0.00803	
8782	25.2000	1.3833	25.8917	-0.67170	-0.00522	ignored(2.9)
8777	27.7167	10.6500	33.0417	-0.00683	0.00816	
8777	38.3667	0.6500	38.6917	0.08331	0.01873	
8777	21.0833	25.9667	34.0667	0.00421	0.01007	

```
   8777    47.0667         1.9333          48.0333       -0.06462
0.03620
   8777    49.0167         1.8833          49.9583        0.03520
0.03981
   8777    50.9167         1.5500          51.6917        0.30105
0.04305
   8777    52.4833         0.5500          52.7583       -0.23637
0.04504

Final Goodness of fit for drift curve polynominal of order 2 is = 9.687899
(ChiSqr)
Probability that observed ChiSqr for a correct model be less than this is =
0.161101

Final polynominal coeff for time =-1.287836, time**2 = 1.077624



 A long term drift correction is found by integrating the final polynominal
drift curve
Integrated Correction Polynomial coeff for time = 0.000000,time**2 = -
1.287836,time**3 = 0.538812
Correction Polynomial base value (estimated long term drift correction) = -
0.021314


11.3 Estimating Loop Precision for set number 1 after drift

Number of repeat stations candidates for Precision Estimate = 0

11.4 Print node values for set number 1 after drift corrections


  Node =        1002
     Loop     Original Reading   Drifted Val
   100.010         2891.220       3055.782
   100.010         2891.100       3055.678
   107.010         2890.840       3056.065

  Node =        1001
     Loop     Original Reading   Drifted Val
   100.010         2899.180       3064.223
   106.010         2898.810       3064.535
   106.010         2898.770       3064.501

  Node =        8782
     Loop     Original Reading   Drifted Val
   102.010         2895.700       3060.601
   102.010         2895.500       3060.564
   103.010         2895.500       3060.565
   103.010         2895.700       3061.308
   104.010         2895.700       3061.308
   104.010         2895.970       3061.559
   105.010         2895.990       3061.576
   105.010         2895.140       3060.654

  Node =        8777
     Loop     Original Reading   Drifted Val
   106.010         2897.590       3063.245
   107.010         2897.470       3063.086
   107.010         2897.520       3063.128
   108.010         2897.520       3063.284
   108.010         2897.650       3063.131
   109.010         2897.650       3063.130
   109.010         2897.600       3062.935
```

```
   110.010         2897.600       3062.934
   110.010         2897.720       3062.925
   111.010         2897.720       3062.924
   111.010         2898.170       3063.324
   112.010         2898.170       3063.324
   112.010         2898.040       3063.169

12: Node Connections Analysis & Levelling


12.0a CreateNodeListFromLoops for set number 1

 Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed
stations
Number of Unique Nodes = 4

12.0b Strict view of what constitutes a loop node.
Look for station numbers that are repeated, and arrange in time order
A node is defined as a station that appears in more than one loop.
First and last stations in a loop are not used if not repeated. Neither are
fixed stations
  Node ,   Observed_Grav.
       1002     3055.782
       1001     3064.223
       1002     3055.678
       8782     3060.601
       8782     3060.564
       8782     3060.565
       8782     3061.308
       8782     3061.308
       8782     3061.559
       8782     3061.576
       8782     3060.654
       1001     3064.535
       8777     3063.245
       1001     3064.501
       8777     3063.086
       1002     3056.065
       8777     3063.128
       8777     3063.284
       8777     3063.131
       8777     3063.130
       8777     3062.935
       8777     3062.934
       8777     3062.925
       8777     3062.924
       8777     3063.324
       8777     3063.324
       8777     3063.169

Number of Time-ordered Nodes (includes all repeats) = 27


12.1 NodeConnectionLevelling for set number 1



       Loop connection search commenced (Nodes in time order)

12.2 LoopAdjust for set number 1

          Loop adjustment search - control parameters
```

```
          Stop if Max Loop Change less than :  0.010
          Stop after Max Loop Itererations  :     20

          Issue warning if misclosure exceed:   20.0

   Iteration      1 forward
   Average misclosure change   0.000000
   New average                 3061.831749
   Running Sum of all changes  0.000000
   Absolute Sum of all changes 0.000000
   Max improvement at              8782 of 0.000000

Loop Adjustment could make no improvement
12.3 Update Loopset Node Observations
     Report mean & estimate loopset node precision
      Node    Count  Mean Value   Standard Deviation
     1002      3      3055.841            0.200
     1001      3      3064.419            0.171
     8782      8      3061.017            0.461
     8777     13      3063.118            0.151


 Loop Adjusted values for strict view of nodes taking time into account


12.4 Estimating Loop Precision for set number 1 after loop adjustment

Number of repeat stations candidates for Precision Estimate = 0

 Loop Precision used: 0.000000 (StdDev of differences of repeats)



13: GlobalAdjustment


No Global Adjustment attempted

14: Applying Meter Scale factor to all loop data

15: Calculating adjustments to global nodes
         Doing tie in to control value at fixed stations
Primary Fixed Node adjustment to GMLS 1
   Fixed Node (type)   Adjustment + Meter * Units  = Required
          8782   2   9761772.075     3061.017   10.0   9794142.330

 Mean                    9761772.074986
16: Final Values
Simple Bouguer Anomaly
 land Density : 2.670
 Datum : IGSN71

Station      Latitude   Longitude   Observed  StdDev    No.    Height
Vert_Offset   Free Air   Bouguer
    1002   -31.75776 138.08429 9794087.598  0.0000   3      76.806         0.00
-313.8821    -399.8281
    1001   -31.74652 138.01211 9794178.310  0.0000   3      62.858         0.00
-257.1257    -327.4638
    8782   -31.70714 137.99350 9794142.330  0.0000   8      55.649         0.00
-283.5292    -345.8004
   19108   -31.66783 138.04983 9794127.297           1      60.633         0.00
-251.4420    -319.2903
   19107   -31.66775 138.04445 9794131.816           1      59.928         0.00
-249.0282    -316.0876
```

19106	-31.66781	138.03930	9794136.773	1	59.405	0.00
-245.7353	-312.2095					
19105	-31.66806	138.03412	9794137.377	1	59.228	0.00
-245.8804	-312.1566					
19104	-31.66805	138.02885	9794128.348	1	60.370	0.00
-251.3803	-318.9343					
19103	-31.66811	138.02368	9794120.460	1	60.739	0.00
-258.1754	-326.1424					
19102	-31.66818	138.01821	9794123.527	1	58.757	0.00
-261.2844	-327.0334					
19101	-31.66848	138.01314	9794129.415	1	55.958	0.00
-264.2748	-326.8918					
18108	-31.67072	138.00709	9794127.754	1	54.046	0.00
-273.6484	-334.1259					
17110	-31.67651	137.99480	9794128.956	1	54.583	0.00
-275.4576	-336.5360					
17109	-31.67767	138.00090	9794131.154	1	57.468	0.00
-265.2958	-329.6024					
18107	-31.67179	138.01203	9794131.277	1	54.509	0.00
-269.5613	-330.5568					
18106	-31.67288	138.01710	9794124.650	1	57.102	0.00
-269.0615	-332.9586					
18105	-31.67424	138.02201	9794118.919	1	60.504	0.00
-265.3930	-333.0970					
18104	-31.67467	138.02734	9794130.829	1	58.057	0.00
-261.3798	-326.3456					
18103	-31.67561	138.03252	9794133.354	1	59.418	0.00
-255.4160	-321.9047					
18102	-31.67678	138.03799	9794139.782	1	60.416	0.00
-246.8469	-314.4524					
18101	-31.67803	138.04390	9794141.859	1	61.877	0.00
-241.2743	-310.5147					
18100	-31.68073	138.05226	9794130.622	1	62.804	0.00
-251.8296	-322.1073					
17101	-31.68559	138.04137	9794123.391	1	63.825	0.00
-259.8361	-331.2563					
17102	-31.68372	138.03715	9794130.616	1	60.341	0.00
-261.8505	-329.3721					
17103	-31.68260	138.03127	9794134.136	1	57.566	0.00
-265.9888	-330.4051					
17104	-31.68185	138.02599	9794137.879	1	56.510	0.00
-264.9004	-328.1351					
17105	-31.68098	138.02077	9794137.918	1	56.267	0.00
-264.9089	-327.8717					
17106	-31.68024	138.01569	9794140.978	1	56.141	0.00
-261.6382	-324.4600					
17107	-31.67927	138.01059	9794144.162	1	55.147	0.00
-260.7414	-322.4508					
17108	-31.67837	138.00546	9794141.205	1	55.810	0.00
-260.9288	-323.3802					
8780	-31.73165	137.99905	9794164.790	1	59.566	0.00
-268.7840	-335.4383					
4110	-31.73868	137.98929	9794162.273	1	58.517	0.00
-280.2231	-345.7036					
4109	-31.73888	137.99377	9794168.562	1	60.162	0.00
-269.0214	-336.3427					
4108	-31.73960	137.99798	9794160.690	1	65.940	0.00
-259.6384	-333.4253					
4107	-31.74103	138.00297	9794175.622	1	62.022	0.00
-257.9529	-327.3555					
3110	-31.73003	137.99102	9794150.311	1	57.454	0.00
-288.4759	-352.7670					
3109	-31.73035	137.99549	9794150.268	1	61.882	0.00
-275.1101	-344.3561					

3108	-31.73097	138.00063	9794169.224	1	58.406	0.00
-267.3810	-332.7373					
3107	-31.73165	138.00587	9794176.128	1	58.237	0.00
-261.5541	-326.7213					
3106	-31.73275	138.01104	9794169.147	1	61.265	0.00
-260.0760	-328.6316					
3105	-31.73466	138.01604	9794168.643	1	62.225	0.00
-259.1568	-328.7866					
3104	-31.73424	138.02117	9794145.661	1	70.483	0.00
-256.3134	-335.1838					
3103	-31.73427	138.02649	9794146.040	1	68.472	0.00
-262.1724	-338.7926					
3102	-31.73435	138.03206	9794156.511	1	63.037	0.00
-268.5345	-339.0729					
3101	-31.73504	138.03724	9794152.773	1	64.457	0.00
-268.4481	-340.5755					
4101	-31.74379	138.03484	9794165.682	1	65.457	0.00
-259.5255	-332.7719					
4102	-31.74319	138.03057	9794167.190	1	65.809	0.00
-256.4482	-330.0884					
4103	-31.74256	138.02563	9794171.283	1	65.101	0.00
-254.0322	-326.8802					
4104	-31.74185	138.02024	9794177.289	1	64.981	0.00
-247.8231	-320.5368					
4105	-31.74118	138.01498	9794175.776	1	64.592	0.00
-249.9945	-322.2730					
4106	-31.74073	138.00960	9794180.539	1	61.428	0.00
-254.6326	-323.3705					
16105	-31.69037	138.02414	9794147.345	1	58.328	0.00
-256.7052	-321.9742					
16104	-31.69004	138.01875	9794151.361	1	55.824	0.00
-260.1498	-322.6169					
16103	-31.69026	138.01334	9794132.663	1	58.087	0.00
-272.0379	-337.0373					
16102	-31.68997	138.00848	9794137.165	1	55.585	0.00
-275.0276	-337.2272					
16101	-31.69072	138.00274	9794140.924	1	53.442	0.00
-278.4911	-338.2927					
15108	-31.69359	137.99508	9794139.793	1	53.829	0.00
-280.7465	-340.9811					
15107	-31.69472	137.99923	9794143.776	1	54.238	0.00
-276.4117	-337.1040					
15106	-31.69579	138.00438	9794144.737	1	55.264	0.00
-273.1503	-334.9907					
15105	-31.69672	138.00967	9794144.507	1	55.869	0.00
-272.2631	-334.7805					
15104	-31.69803	138.01501	9794137.117	1	58.808	0.00
-271.6357	-337.4419					
15103	-31.69860	138.01986	9794139.718	1	58.278	0.00
-271.1316	-336.3447					
15102	-31.69985	138.02497	9794126.655	1	62.791	0.00
-271.2762	-341.5393					
15101	-31.70134	138.03052	9794120.121	1	62.787	0.00
-279.0232	-349.2818					
2007	-31.70765	138.01792	9794142.524	1	58.916	0.00
-273.6706	-339.5976					
1101	-31.71407	137.99872	9794141.453	1	56.870	0.00
-286.2388	-349.8763					
1102	-31.71538	138.00604	9794149.743	1	58.426	0.00
-274.2067	-339.5854					
1103	-31.71565	138.01133	9794150.309	1	59.747	0.00
-269.7835	-336.6404					
1104	-31.71656	138.01663	9794145.617	1	61.637	0.00
-269.3743	-338.3461					

```
    1105   -31.71762 138.02191 9794148.425           1      60.857          0.00
-269.8336    -337.9326
    1106   -31.71786 138.02712 9794146.309           1      60.729          0.00
-272.5401    -340.4958
    1107   -31.71862 138.03240 9794139.267           1      61.582          0.00
-277.5631    -346.4734
    1108   -31.71967 138.03754 9794130.661           1      64.136          0.00
-279.1296    -350.8977
    2108   -31.72473 138.03527 9794129.892           1      67.229          0.00
-274.4437    -349.6730
    2107   -31.72407 138.02886 9794150.829           1      61.886          0.00
-269.4618    -338.7122
    2106   -31.72406 138.02458 9794149.499           1      63.776          0.00
-264.9482    -336.3135
    2105   -31.72386 138.01962 9794134.630           1      69.899          0.00
-260.7635    -338.9805
    2104   -31.72391 138.01406 9794151.660           1      62.214          0.00
-267.4936    -337.1110
    2103   -31.72384 138.00891 9794148.206           1      62.301          0.00
-270.6206    -340.3354
    2102   -31.72342 138.00358 9794152.025           1      59.892          0.00
-273.8927    -340.9118
    2101   -31.72323 137.99808 9794156.404           1      55.960          0.00
-281.5006    -344.1198
    1006   -31.78591 138.00534 9794164.953           1      68.307          0.00
-285.5181    -361.9536
    8777   -31.78591 138.00534 9794164.552  0.0000  13      68.291          0.00
-285.9733    -362.3910
    8775   -31.81646 138.00408 9794184.210           1      65.816          0.00
-298.6686    -372.3167
   10106   -31.78560 138.00412 9794164.315           1      67.698          0.00
-287.7866    -363.5407
   10107   -31.78571 137.99864 9794173.583           1      64.434          0.00
-288.6843    -360.7859
   10108   -31.78490 137.99312 9794169.296           1      67.061          0.00
-284.2017    -359.2430
   11108   -31.80036 137.99479 9794187.256           1      64.512          0.00
-286.6147    -358.8037
   11107   -31.80015 137.99899 9794170.059           1      67.096          0.00
-295.6738    -370.7542
   11106   -31.79994 138.00361 9794160.635           1      69.120          0.00
-298.6799    -376.0252
   12105   -31.80839 138.00159 9794164.839           1      69.639          0.00
-299.7102    -377.6363
   12106   -31.80841 137.99627 9794171.629           1      68.423          0.00
-296.6883    -373.2537
   12107   -31.80810 137.99111 9794196.052           1      62.894          0.00
-289.0795    -359.4579
   12108   -31.80810 137.98548 9794205.854           1      62.397          0.00
-280.8104    -350.6326
    2001   -31.81812 137.96734 9794213.239           1      61.830          0.00
-283.2890    -352.4768
    2002   -31.81803 137.97221 9794224.946           1      57.955          0.00
-283.4653    -348.3169
    2003   -31.81732 137.97668 9794224.137           1      58.915          0.00
-280.7383    -346.6642
    2004   -31.81757 137.98145 9794214.711           1      59.901          0.00
-287.3195    -354.3487
    2005   -31.81731 137.98683 9794202.925           1      63.077          0.00
-289.0937    -359.6769
   13107   -31.81707 137.99204 9794176.422           1      71.740          0.00
-288.6671    -368.9441
   13106   -31.81679 137.99765 9794183.546           1      64.880          0.00
-302.4895    -375.0902
```

2008	-31.79505	138.00494	9794157.218	1	67.877	0.00
-301.9792	-377.9335					
8779	-31.74630	138.00650	9794180.209	1	62.147	0.00
-257.2481	-326.7906					
5108	-31.74653	138.00160	9794190.531	1	62.472	0.00
-246.1083	-316.0145					
5109	-31.74593	137.99757	9794174.111	1	64.075	0.00
-257.0911	-328.7910					
5110	-31.74578	137.99222	9794170.659	1	62.382	0.00
-265.6510	-335.4565					
5111	-31.74552	137.98613	9794157.925	1	61.248	0.00
-281.6716	-350.2081					
6109	-31.75318	137.99328	9794179.448	1	62.406	0.00
-262.7710	-332.6033					
6108	-31.75479	137.99770	9794174.442	1	67.141	0.00
-254.4606	-329.5914					
6107	-31.75561	138.00323	9794186.321	1	64.849	0.00
-250.3181	-322.8842					
7107	-31.76326	138.00273	9794185.123	1	65.695	0.00
-255.0925	-328.6053					
7108	-31.76287	137.99733	9794188.503	1	63.866	0.00
-257.0429	-328.5090					
7109	-31.76231	137.99237	9794185.383	1	62.843	0.00
-262.8692	-333.1905					
7110	-31.76213	137.98634	9794175.671	1	62.858	0.00
-272.3883	-342.7264					
8110	-31.77015	137.98506	9794180.289	1	63.344	0.00
-272.7533	-343.6352					
8109	-31.77071	137.98896	9794183.322	1	65.057	0.00
-264.8848	-337.6836					
8108	-31.77064	137.99395	9794174.723	1	70.883	0.00
-255.4509	-334.7689					
8107	-31.77101	137.99929	9794174.408	1	70.126	0.00
-258.3951	-336.8661					
9106	-31.77853	138.00332	9794169.961	1	69.668	0.00
-270.3402	-348.2987					
9107	-31.77759	137.99771	9794169.974	1	70.892	0.00
-265.7888	-345.1170					
9108	-31.77674	137.99235	9794183.197	1	68.571	0.00
-259.0445	-335.7755					
5106	-31.74827	138.01192	9794171.981	1	65.916	0.00
-255.4320	-329.1920					
5105	-31.74916	138.01708	9794169.803	1	67.285	0.00
-254.1002	-329.3921					
5104	-31.75007	138.02239	9794171.766	1	67.034	0.00
-253.6548	-328.6659					
5103	-31.75071	138.02745	9794166.693	1	67.373	0.00
-258.1926	-333.5830					
5102	-31.75169	138.03263	9794159.481	1	68.446	0.00
-262.8852	-339.4763					
6101	-31.76055	138.03373	9794164.105	1	69.140	0.00
-263.2876	-340.6553					
6102	-31.75983	138.02922	9794166.628	1	68.366	0.00
-262.5686	-339.0701					
6103	-31.75874	138.02432	9794169.836	1	69.398	0.00
-255.2917	-332.9480					
6104	-31.75780	138.01898	9794174.150	1	68.769	0.00
-252.1594	-329.1119					
6105	-31.75706	138.01390	9794176.004	1	65.560	0.00
-259.6112	-332.9728					
6106	-31.75610	138.00878	9794172.039	1	66.264	0.00
-260.6306	-334.7800					
7106	-31.76394	138.00778	9794169.281	1	68.345	0.00
-263.3017	-339.7798					

7105	-31.76449	138.01304	9794166.212	1	68.372	0.00
-266.7323	-343.2405					
7104	-31.76500	138.01833	9794164.610	1	69.545	0.00
-265.1296	-342.9505					
7103	-31.76559	138.02352	9794165.111	1	68.674	0.00
-267.7935	-344.6397					
7102	-31.76637	138.02882	9794159.034	1	70.535	0.00
-268.7540	-347.6827					
7101	-31.76708	138.03388	9794161.461	1	70.051	0.00
-268.3952	-346.7822					
2006	-31.77313	138.03401	9794151.312	1	74.115	0.00
-270.8992	-353.8339					
8102	-31.77317	138.03088	9794157.208	1	72.233	0.00
-270.8391	-351.6678					
8103	-31.77220	138.02583	9794148.650	1	73.409	0.00
-274.9896	-357.1343					
8104	-31.77203	138.02038	9794150.834	1	72.943	0.00
-274.1020	-355.7252					
8105	-31.77199	138.01502	9794149.560	1	73.645	0.00
-273.1758	-355.5846					
8106	-31.77190	138.00966	9794157.473	1	71.026	0.00
-273.2743	-352.7524					
13104	-31.81615	138.00959	9794180.829	1	67.965	0.00
-295.1698	-371.2227					
13103	-31.81592	138.01471	9794174.955	1	70.564	0.00
-292.8324	-371.7935					
13102	-31.81562	138.01991	9794151.684	1	76.107	0.00
-298.7512	-383.9150					
13101	-31.81540	138.02594	9794137.868	1	78.884	0.00
-303.8186	-392.0898					
12101	-31.80853	138.02318	9794144.755	1	76.563	0.00
-298.5387	-384.2127					
12102	-31.80822	138.01772	9794162.885	1	71.546	0.00
-295.6445	-375.7045					
12103	-31.80853	138.01224	9794174.079	1	67.494	0.00
-297.2011	-372.7269					
12104	-31.80812	138.00720	9794164.856	1	69.934	0.00
-298.5654	-376.8216					
11105	-31.79924	138.00660	9794156.027	1	71.512	0.00
-295.3402	-375.3621					
11104	-31.79945	138.01177	9794148.315	1	71.431	0.00
-303.4667	-383.3980					
11103	-31.79885	138.01695	9794146.757	1	71.797	0.00
-303.4100	-383.7509					
11102	-31.79868	138.02232	9794141.119	1	74.638	0.00
-300.1476	-383.6675					
11101	-31.79841	138.02712	9794149.186	1	72.213	0.00
-299.3448	-380.1511					
10101	-31.79018	138.02877	9794150.375	1	73.458	0.00
-287.6537	-369.8532					
10102	-31.78933	138.02365	9794145.195	1	73.571	0.00
-291.7959	-374.1218					
10103	-31.78851	138.01832	9794149.572	1	73.473	0.00
-287.0610	-369.2773					
10104	-31.78745	138.01293	9794147.013	1	73.644	0.00
-288.2361	-370.6438					
10105	-31.78704	138.00826	9794150.326	1	72.366	0.00
-288.5345	-369.5121					
9105	-31.77905	138.00854	9794156.781	1	70.822	0.00
-280.3794	-359.6292					
9104	-31.77969	138.01389	9794142.026	1	76.068	0.00
-279.4630	-364.5831					
9103	-31.78057	138.01875	9794133.810	1	77.831	0.00
-282.9496	-370.0425					

```
    9102   -31.78141 138.02473 9794148.017           1      72.814         0.00
-284.9038    -366.3826
    9101   -31.78187 138.02958 9794145.733           1      75.006         0.00
-280.7946    -364.7263

   Average       Observed            Free Air           Bouguer
Indicative_Survey_StdDev.
              9794157.032          -272.037         -344.202            0.00000
Gravity output DB created Survey1212,  in GEODETIC proj, AGD66 datum
 *** 167 stations output in newly created gravity database
       data stored in Intrepid format ->  Survey1212

  ************************************************
   End   processing - 29/ 3/2002 15:53:34, Log =
J:/Mara/Mara_gravity_September_2002/processing_1212.rpt
  ************************************************
```

```
  ************************************************
   Intrepid Gravity v3.6 (release) cut 158 (static)
   Start processing - 29/ 3/2002 15:31:14
  ************************************************

Gravity AGSO Field Data Checking Report
---------------------------------------

Starting from AGSO field and checking loops, GPS etc.
.. If you want to produce profiles, use LINE_POSITION keyword
.. and start each GPS record with an additional line number entry
------- ---- ---------- ------

Survey 92002: Torrens

1: Position Data
Full 3-D projection / datum conversion requested from MGA54/WGS84  to
GEODETIC/AGD66
1.1: Position Set 1
     Coordinate Reference Frame   - UNKNOWN
     Ellipsoid                    - WGS
     Horizontal Datum             - WGS84
     Vertical Datum               - AHD
     Coordinate Projection        - MGA54
     Position Accuracy            -   0.000001
     Elevation Accuracy           -      0.020
     Data Bounds
     Number of Stations           - 337
     Longitudes/latitudes
     transformed to horizontal
     datum                        - AGD66
     Longitude (Maximum, Minimum) - 138.083714 (1001116.000), 137.989407
(1021115.000)
     Latitude  (Maximum, Minimum) - -31.675467 (1013113.000), -31.785909 (
8777.000)
     Elevation (Maximum, Minimum) -     74.470 (1001111.000),  53.693000
(1015116.000)

1.2: Position Set 2
     Coordinate Reference Frame   - UNKNOWN
     Ellipsoid                    - WGS
     Horizontal Datum             - WGS84
     Vertical Datum               - AHD
     Coordinate Projection        - MGA54
     Position Accuracy            -   0.000001
     Elevation Accuracy           -      0.020
     Data Bounds
     Number of Stations           - 2
     Longitudes/latitudes
     transformed to horizontal
     datum                        - AGD66
     Longitude (Maximum, Minimum) - 138.005337 (  8777.000), 137.993509 (
8782.000)
     Latitude  (Maximum, Minimum) - -31.707132 (  8782.000), -31.785918 (
8777.000)
     Elevation (Maximum, Minimum) -     68.295 (  8777.000),  55.676000 (
8782.000)

1.3: Total Number of Stations     - 339

2: Control Gravity Data
2.1: Station List
     Station   Obs Gravity   Precision   Datum      Theoretical  Comments
```

```
        8782  9794142.3300      0.1000   IGSN71   9794597.6105   BM_8782
        8777  9794168.8500      0.1000   IGSN71   9794661.2985   BM_8777

2.2: Primary Control Gravity Station -       8782

3: Gravity Meter Calibration Loop Data
No Gravity Meter Calibration Data
4: Gravity Observation Loop Data
Duplicate time in loop record.. station 1013110.000000
1013110,2002,9,11,11:35,2895.35
4.1: Gravity Meter Loop Set 1
     Gravimeter          - LCR_G(LCR): Meter - G212, Adjustment to Manufacturers
Scale Factor 1.057500
     Gravimeter Reader   - Jim Allender
     Number of Loops     - 14
     Loop   Number   Readings   BaseIn  BaseOut      Start              End
       1    200.010     29       8782     8782   11/ 9/2002 10:31   11/ 9/2002
13:20
       2    201.010     25       8782     8782   11/ 9/2002 13:22   11/ 9/2002
15:28
       3    202.010     29       8782     8782   11/ 9/2002 15:30   11/ 9/2002
17:15
       4    203.010     33       8782     8782   12/ 9/2002  7:30   12/ 9/2002
10:43
       5    204.010     35       8782     8782   12/ 9/2002 10:43   12/ 9/2002
13: 9
       6    205.010     32       8782     8782   12/ 9/2002 13: 9   12/ 9/2002
15:13
       7    206.010     26       8782     8782   12/ 9/2002 15:15   12/ 9/2002
16:49
       8    207.010     39       8777     8777   13/ 9/2002  7:58   13/ 9/2002
11:13
       9    208.010     18       8777     8777   14/ 9/2002  7:46   14/ 9/2002
9:15
      10    209.010     21    1004101  1004101   14/ 9/2002 10:50   14/ 9/2002
12: 7
      11    210.010     20    1004101  1004101   14/ 9/2002 12: 7   14/ 9/2002
13:31
      12    211.010     10    1004101  1004101   14/ 9/2002 13:33   14/ 9/2002
14: 3
      13    212.010     25    1004101  1004101   14/ 9/2002 14: 3   14/ 9/2002
15:52
      14    212.010      3    1004101  1004101   14/ 9/2002 15:54   14/ 9/2002
16:17


5: Node List
   X - node in loop
   D - node in loop used for drift control
   F - fixed node in loop
5.1: Gravity Meter Loop Set 1 validation test
 Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed
stations
Number of Unique Nodes = 3


     Loop  |  1  2  3  4  5  6  7  8  9 10 11 12 13 14
 __________|_____________________________________________
     Node  |
      8782 |  D  D  D  D  D  D  D                    F
      8777 |                        D  D
   1004101 |                              D  D  D  D  D
```

```
6: Global Nodes - Nodes common to more than one Gravimeter
Warning - NO GLOBAL NODES FOUND
 You have only one loop/one gravity meter
 No global adjustment will be attempted


7: Internal Loop repeat stations

7.1: Gravity Meter Loop Set 1
Loop        Station       No. Repeats

   1
   2
   3
   4
   5
   6
   7
   8
   9
  10
  11
  12
  13
  14

Total Number of Repeats 0



8: Data Structure Check
8.1: Data Structure Check for Gravity Meter Loop Set 1
Loop   FirstAndLast   TimeOrder  Tares  Position  Nodes
   1        ok          ok        ok      ok        ok
   2        ok          ok        ok      ok        ok
   3        ok          ok        ok      ok        ok
   4        ok          ok        ok      ok        ok
   5        ok          ok        ok      ok        ok
   6        ok          ok        ok      ok        ok
   7        ok          ok        ok      ok        ok
   8        ok          ok        ok      ok        ok
   9        ok          ok        ok      ok        ok
  10        ok          ok        ok      ok        ok
  11        ok          ok        ok      ok        ok
  12        ok          ok        ok      ok        ok
  13        ok          ok        ok      ok        ok
  14        ok          ok        ok      ok        ok
SaveLoopDB
Loop DB output in GEODETIC proj, AGD66 datum
 *** 345 stations output in newly created intrepid gravity loop database
                data stored in ->  Survey92002_LoopDB
Gravity output DB created Survey92002_ControlDB,  in GEODETIC proj, AGD66 datum
 *** 2 stations output in newly created gravity database
       data stored in Intrepid format ->  Survey92002_ControlDB

  ************************************************
   End   processing - 29/ 3/2002 15:31:19, Log =
J:/Mara/Mara_gravity_September_2002/processing_92002.rpt
  ************************************************


  ************************************************
   Intrepid Gravity v3.6 (release) cut 158 (static)
```

```
   Start processing - 29/ 3/2002 15:31:27
  ************************************************

Gravity Processing Report
-------------------------

Starting from Loop Data Base and doing All adjustments

5: Node List
   X - node in loop
   D - node in loop used for drift control
   F - fixed node in loop
5.1: Gravity Meter Loop Set 1 validation test
 Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed
stations
Number of Unique Nodes = 3


     Loop  |  1  2  3  4  5  6  7  8  9 10 11 12 13 14
 __________|_____________________________________________
     Node  |
      8782 |  D  D  D  D  D  D  D                    F
      8777 |                        D  D
   1004101 |                              D  D  D  D  D


6: Global Nodes - Nodes common to more than one Gravimeter
Warning - NO GLOBAL NODES FOUND
 You have only one loop/one gravity meter
 No global adjustment will be attempted


7: Internal Loop repeat stations

7.1: Gravity Meter Loop Set 1
Loop        Station       No. Repeats

   1
   2
   3
   4
   5
   6
   7
   8
   9
  10
  11
  12
  13
  14

Total Number of Repeats 0



8: Data Structure Check
8.1: Data Structure Check for Gravity Meter Loop Set 1
Loop   FirstAndLast   TimeOrder  Tares  Position  Nodes
   1        ok          ok        ok      ok        ok
   2        ok          ok        ok      ok        ok
   3        ok          ok        ok      ok        ok
```

4	ok	ok	ok	ok	ok
5	ok	ok	ok	ok	ok
6	ok	ok	ok	ok	ok
7	ok	ok	ok	ok	ok
8	ok	ok	ok	ok	ok
9	ok	ok	ok	ok	ok
10	ok	ok	ok	ok	ok
11	ok	ok	ok	ok	ok
12	ok	ok	ok	ok	ok
13	ok	ok	ok	ok	ok
14	ok	ok	ok	ok	ok

9: MeterCorrections

MeterCorrections for set number 1

10: EarthTide

EarthTide correction for set number 1

11: Gravity Drift Corrections

11.1 Gravity Meter Drift Correction for set number 1
Least Squares Polynomial Fitting - multi-loop

*****Excessive gravity gradient suspected for LoopSeq 13, Loop 212.010, Station 1004101.00 gradient -151.733 mGals per day - please check
probably due to too short a time interval between base readings.. so will be ignored for drift
Rejecting Too small an Interval (Time Segment) for Base Stations
Skipping time segment as too small (less than 0.480 of hour)

Base = 8782, Obs.Drift = 0.038325, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = -0.006125, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = 0.028975, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = 0.041466, Time interval = 0.016667 (hrs)
Base = 8782, Obs.Drift = 0.016949, Time interval = 0.016667 (hrs)
Base = 1004101, Obs.Drift = 0.013077, Time interval = 0.016667 (hrs)
Base = 1004101, Obs.Drift = 0.023264, Time interval = 0.016667 (hrs)
Base = 1004101, Obs.Drift = -6.322221, Time interval = 0.016667 (hrs)
Base = 1004101, Obs.Drift = 0.028167, Time interval = 0.033333 (hrs)
Base = 1004101, Obs.Drift = -0.138172, Time interval = 0.383333 (hrs)

Initial Goodness of fit for drift curve polynominal of order 2 is = 14.230482 (ChiSqr)
Probability that observed ChiSqr for a correct model be less than this is = 0.418452

Rejecting Outlier Intervals(Time Segments) for Base
Note, the gradient drift polynominal uses X = MidTime, Y = Obs.Drift
The Calc. Drift is the Least Squares Estimated drift

Base	StartTime (hrs)	interval Calc (hrs)	MidTime (hrs from start)	Obs.Drift (per hr)	Calc.Drift (per hr)	status
8782	0.0000	2.8333	1.4167	0.00177	-0.02106	
8782	2.8500	2.1167	3.9083	-0.20754	-0.01879	
8782	4.9833	1.7667	5.8667	0.19792	-0.01701	

```
   8782     6.7500        14.2333          13.8667        0.00156        -
0.00973
   8782    20.9833         3.2167          22.5917        0.03379        -
0.00180
   8782    24.2167         2.4167          25.4250       -0.06613
0.00078
   8782    26.6500         2.0667          27.6833        0.04682
0.00283
   8782    28.7333         1.5833          29.5250        0.30342
0.00451   ignored(1.8)
   8782    30.3167        47.2333          53.9333       -0.01127
0.02671
   8777    45.4500         3.2667          47.0833       -0.11362
0.02048
   8777    48.7167        20.5500          58.9917        0.00024
0.03131
   8777    69.2667         1.4667          70.0000        0.00980
0.04132
 1004101    72.3333         1.2667          72.9667        0.22549
0.04402
 1004101    73.6167         1.4000          74.3167        0.21485
0.04525
 1004101    75.0333         0.5000          75.2833       -0.25036
0.04613   ignored(1.6)
 1004101    75.5500         1.8000          76.4500       -0.14216
0.04719

Final Goodness of fit for drift curve polynominal of order 2 is = 9.263984
(ChiSqr)
Probability that observed ChiSqr for a correct model be less than this is =
0.097855

Final polynominal coeff for time =-0.536271, time**2 = 0.523896



 A long term drift correction is found by integrating the final polynominal
drift curve
Integrated Correction Polynomial coeff for time = 0.000000,time**2 = -
0.536271,time**3 = 0.261948
Correction Polynomial base value (estimated long term drift correction) = -
0.030742


11.3 Estimating Loop Precision for set number 1 after drift

Number of repeat stations candidates for Precision Estimate = 0

11.4 Print node values for set number 1 after drift corrections


  Node =        8782
     Loop     Original Reading   Drifted Val
   200.010          2895.590       3060.387
   200.010          2895.470       3060.451
   201.010          2895.470       3060.452
   201.010          2895.020       3060.053
   202.010          2895.020       3060.053
   202.010          2895.390       3060.433
   203.010          2895.550       3060.594
   203.010          2895.640       3060.708
   204.010          2895.640       3060.708
   204.010          2895.400       3060.547
   205.010          2895.400       3060.547
   205.010          2895.430       3060.638
```

206.010	2895.430	3060.639
206.010	2895.880	3061.112
212.010	2895.430	3059.318

Node = 8777

Loop	Original Reading	Drifted Val
207.010	2898.120	3063.129
207.010	2897.760	3062.691
208.010	2897.760	3062.052
208.010	2897.780	3062.006

Node = 1004101

Loop	Original Reading	Drifted Val
209.010	2893.940	3057.874
209.010	2894.200	3058.104
210.010	2894.200	3058.104
210.010	2894.460	3058.341
211.010	2894.460	3058.341
211.010	2894.330	3058.193
212.010	2894.230	3058.086
212.010	2893.940	3057.746
212.010	2893.940	3057.745
212.010	2893.880	3057.673

12: Node Connections Analysis & Levelling

12.0a CreateNodeListFromLoops for set number 1

Relaxed view of what constitutes a loop node.
Look for station numbers that are repeated
A node is defined as a station that appears in more than one loop.
Default all first and last stations in a loop to a node. Also add all fixed stations
Number of Unique Nodes = 3

12.0b Strict view of what constitutes a loop node.
Look for station numbers that are repeated, and arrange in time order
A node is defined as a station that appears in more than one loop.
First and last stations in a loop are not used if not repeated. Neither are fixed stations

Node ,	Observed_Grav.
8782	3060.387
8782	3060.451
8782	3060.452
8782	3060.053
8782	3060.053
8782	3060.433
8782	3060.594
8782	3060.708
8782	3060.708
8782	3060.547
8782	3060.547
8782	3060.638
8782	3060.639
8782	3061.112
8777	3063.129
8777	3062.691
8777	3062.052
8777	3062.006
1004101	3057.874
1004101	3058.104
1004101	3058.104
1004101	3058.341
1004101	3058.341

```
    1004101     3058.193
    1004101     3058.086
    1004101     3057.746
    1004101     3057.745
       8782     3059.318
    1004101     3057.673

Number of Time-ordered Nodes (includes all repeats) = 29


12.1 NodeConnectionLevelling for set number 1



       Loop connection search commenced (Nodes in time order)

12.2 LoopAdjust for set number 1

          Loop adjustment search - control parameters
          Stop if Max Loop Change less than :  0.010
          Stop after Max Loop Itererations  :     20

          Issue warning if misclosure exceed:   20.0

   Iteration      1 forward
   Average misclosure change   0.000000
   New average                 3059.887043
   Running Sum of all changes  0.000000
   Absolute Sum of all changes 0.000000
   Max improvement at           1004101 of 0.000000
12.3 Update Loopset Node Observations
     Report mean & estimate loopset node precision
      Node    Count  Mean Value   Standard Deviation
     8782     15      3060.443            0.404
     8777      4      3062.469            0.539
  1004101     10      3058.021            0.246


 Loop Adjusted values for strict view of nodes taking time into account


12.4 Estimating Loop Precision for set number 1 after loop adjustment

Number of repeat stations candidates for Precision Estimate = 0

 Loop Precision used: 0.000000 (StdDev of differences of repeats)



13: GlobalAdjustment


No Global Adjustment attempted

14: Applying Meter Scale factor to all loop data

15: Calculating adjustments to global nodes
         Doing tie in to control value at fixed stations
Primary Fixed Node adjustment to GMLS 1
   Fixed Node (type)   Adjustment + Meter * Units  = Required
          8782   2   9761778.149     3060.443   10.0   9794142.330

 Mean                    9761778.148948
16: Final Values
Simple Bouguer Anomaly
```

land Density : 2.670
Datum : IGSN71

Station	Latitude	Longitude	Observed	StdDev	No.	Height	Vert_Offset	Free Air	Bouguer
8782	-31.70712	137.99351	9794142.330	0.0000	15	55.788	0.00	-283.0913	-345.5181
1013101	-31.67641	138.04596	9794133.464		1	63.121	0.00	-244.5223	-315.1547
1013102	-31.67624	138.04430	9794135.750		1	62.856	0.00	-242.9155	-313.2514
1013103	-31.67615	138.04335	9794135.455		1	63.389	0.00	-241.4898	-312.4221
1013104	-31.67612	138.04205	9794138.629		1	62.718	0.00	-240.3680	-310.5494
1013105	-31.67609	138.04120	9794138.662		1	61.176	0.00	-245.0701	-313.5261
1013106	-31.67603	138.04006	9794143.291		1	59.898	0.00	-244.3384	-311.3643
1013107	-31.67600	138.03908	9794141.887		1	59.860	0.00	-245.8330	-312.8163
1013108	-31.67588	138.03805	9794139.683		1	59.799	0.00	-248.1245	-315.0396
1013109	-31.67574	138.03693	9794140.156		1	58.872	0.00	-250.4055	-316.2832
1013111	-31.67574	138.03693	9794140.165		1	58.872	0.00	-250.3969	-316.2747
1131101	-31.67564	138.03588	9794138.985		1	58.829	0.00	-251.6225	-317.4521
1013113	-31.67547	138.03381	9794135.740		1	58.617	0.00	-255.3848	-320.9772
1013112	-31.67551	138.03262	9794133.363		1	58.901	0.00	-256.9176	-322.8278
1012101	-31.68004	138.03460	9794132.312		1	59.006	0.00	-261.3067	-327.3345
1012102	-31.68010	138.03558	9794133.360		1	59.413	0.00	-259.0450	-325.5281
1012103	-31.68037	138.03666	9794134.624		1	59.359	0.00	-258.1646	-324.5873
1012104	-31.68056	138.03771	9794137.231		1	59.502	0.00	-255.2751	-321.8578
1012105	-31.68068	138.03860	9794138.062		1	59.625	0.00	-254.1601	-320.8805
1012106	-31.68083	138.03973	9794139.101		1	60.088	0.00	-251.8115	-319.0500
1012107	-31.68096	138.04076	9794140.811		1	60.455	0.00	-249.0796	-316.7287
1012108	-31.68110	138.04193	9794141.274		1	60.614	0.00	-248.2334	-316.0605
1012109	-31.68122	138.04286	9794142.416		1	60.674	0.00	-247.0052	-314.8994
1012110	-31.68137	138.04383	9794142.223		1	60.893	0.00	-246.6450	-314.7843
1012111	-31.68162	138.04483	9794138.553		1	62.509	0.00	-245.5285	-315.4761
1012112	-31.68181	138.04592	9794137.792		1	63.846	0.00	-242.3169	-313.7606
1012113	-31.68197	138.04707	9794140.387		1	62.810	0.00	-243.0464	-313.3308
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1002310	-31.73075	138.06925	9794110.838	1	68.553	0.00
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1001106	-31.73521	138.07317	9794102.795	1	73.177	0.00
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 1001116   -31.73664 138.08371 9794091.404           1      72.954         0.00
-304.8867    -386.5222

   Average       Observed            Free Air           Bouguer
Indicative_Survey_StdDev.
              9794139.295          -263.305         -335.339            0.00000
Gravity output DB created Survey92002,  in GEODETIC proj, AGD66 datum
 *** 319 stations output in newly created gravity database
       data stored in Intrepid format ->  Survey92002

  ************************************************
   End   processing - 29/ 3/2002 15:31:33, Log =
J:/Mara/Mara_gravity_September_2002/processing_92002.rpt
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Gravity Reduction Program J.F. Allender 1990 Formulae from Wellman 1985 and The Australian Geodetic Datum Technical Manual

	Base	Easting	Northing	Elevation	Absolute	Observed										
Project	Station						Rho1	Rho2	Rho3	Rho04	Rho5	Rho06	Rho07	Rho08	Rho09	Rho10
Code	BB 1600						1.9	2.1	2.2	2.3	2.5	2.67	2.9	3.1	3.3	3.5
88EO	Tabl mgal	2959.32	Observed	~(Corrected Dial reading-Table value)*Table gradient +(Base "Observed" Gravity-Table mgal value)												
Table Dial	Value	2800	Gravity	where ~Table Value & Gradient are from meter instruction book.												
Gradient va		1.05805	979394.3	Hawker Cricket Pitch	2860.633											

GRID TO SPHEROID TRANSFORMATION

***Need to enter either Corrected dial reading or Observed Gravity and Elevation,Easting,Northing along with each station no *** Zone 54

Project	Station	Corrected	Observed	Latitude	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Bouger FA	Elevation	Easting	Northing	Latitude	Longitude	Latitude	Longitude	K0	E'	E'/K0	N'	m
Code	No	Dial	Gravity	Correction	Rho1	Rho2	Rho3	Rho04	Rho5	Rho06	Rho07	Rho08	Rho09	Rho10				radians	radians	DDD.MMSS	DDD.MMSS					
Boolcunda	1	2884.61	9793782	9795034	-609.7007	-633.2129	-644.969	-656.9187	-680.2373	-700.2226	-727.2616	-750.7738	-774.286	-797.7982	280.575	249667.6	6429241	-0.56279	2.414542	-32.14438	138.2035	0.9996	-250332.4	-250432.6	-3570759	-3572188
	BB 1600	2886.633	9793803	9795036	-557.6771	-582.3914	-594.7485	-607.3092	-631.82	-652.8271	-681.2486	-705.9629	-730.6772	-755.3915	294.92	248482	6428907	-0.562838	2.414321	-32.14537	138.1949	0.9996	-251518	-251618.6	-3571093	-3572522
	GRAVITY I	2888	9793818	9831959	-37979.74	-37985.65	-37988.6	-37991.6	-37997.46	-38002.48	-38009.27	-38015.18	-38021.08	-38026.99	70.476	6482869	223951.8	829925.5	2839789	47551226	1.63E+08	0.9996	5982869	5985263	-9776048	-9779960
	GRAVITY I	2888	9794093	9794637	-368.4944	-374.9119	-378.1206	-381.3821	-387.7467	-393.2015	-400.5815	-406.9989	-413.4163	-419.8337	76.58	223951.8	6482869	-0.554252	2.410051	-31.45226	138.0509	0.9996	-276048.3	-276158.7	-3517131	-3518538
	G100	2888.105	9794094	9794635	-365.3527	-371.7994	-375.0228	-378.2992	-384.6929	-390.1726	-397.5863	-404.0331	-410.4798	-416.9265	76.93	223995.7	6483039	-0.554225	2.41006	-31.45172	138.051	0.9996	-276004.3	-276114.8	-3516961	-3518369
	G101	2887.411	9794087	9794636	-374.3467	-380.7383	-383.9341	-387.1826	-393.5215	-398.9544	-406.3047	-412.6963	-419.0879	-425.4795	76.272	224434.1	6483031	-0.554228	2.41014	-31.45178	138.0527	0.9996	-275565.9	-275676.1	-3516969	-3518376
	N001	2886.747	9794080	9794636	-381.7724	-388.1672	-391.3647	-394.6147	-400.9569	-406.3926	-413.7467	-420.1415	-426.5364	-432.9313	76.311	224953.8	6482978	-0.554239	2.410236	-31.45199	138.0547	0.9996	-275046.2	-275156.3	-3517022	-3518429
	G102	2887.023	9794083	9794635	-378.581	-384.9346	-388.1114	-391.3404	-397.6417	-403.0422	-410.3488	-416.7023	-423.0559	-429.4094	75.818	224882.6	6483169	-0.554208	2.410223	-31.45137	138.0544	0.9996	-275117.4	-275227.5	-3516831	-3518238
	G103	2886.187	9794074	9794633	-381.3056	-387.8343	-391.0986	-394.4167	-400.8917	-406.441	-413.949	-420.4777	-427.0064	-433.5351	77.908	225385.8	6483366	-0.554179	2.410317	-31.45077	138.0604	0.9996	-274614.2	-274724.1	-3516634	-3518041
	G104	2885.851	9794070	9794633	-378.6352	-385.3649	-388.7298	-392.1501	-398.8244	-404.5447	-412.2838	-419.0136	-425.7433	-432.473	80.307	225876.9	6483480	-0.554164	2.410408	-31.45045	138.0622	0.9996	-274123.1	-274232.8	-3516520	-3517927
	G105	2886.249	9794074	9794631	-374.0028	-380.6906	-384.0345	-387.4335	-394.0662	-399.7509	-407.4419	-414.1297	-420.8175	-427.5054	79.807	226374.7	6483708	-0.55413	2.410501	-31.44575	138.0641	0.9996	-273625.3	-273734.8	-3516292	-3517699
	G106	2886.317	9794075	9794630	-371.4257	-378.1377	-381.4938	-384.9051	-391.5618	-397.2671	-404.9859	-411.698	-418.41	-425.1221	80.096	226618.1	6483879	-0.554104	2.410546	-31.44522	138.0651	0.9996	-273381.9	-273491.2	-3516121	-3517528
	G107	2886.224	9794074	9794629	-367.9667	-374.7965	-378.2114	-381.6825	-388.4561	-394.2614	-402.1156	-408.9454	-415.7752	-422.605	81.501	227200.9	6484062	-0.554078	2.410655	-31.44467	138.0713	0.9996	-272799.1	-272908.2	-3515938	-3517345
	G108	2886.315	9794075	9794627	-363.9903	-370.8605	-374.2956	-377.7873	-384.601	-390.4408	-398.3415	-405.2118	-412.0821	-418.9523	81.984	227615.8	6484335	-0.554036	2.410732	-31.44382	138.0729	0.9996	-272384.2	-272493.2	-3515665	-3517072
	G109	2886.408	9794076	9794626	-360.6452	-367.5698	-371.0322	-374.5515	-381.4191	-387.3051	-395.2684	-402.1931	-409.1177	-416.0424	82.633	228166.7	6484469	-0.554018	2.410834	-31.44343	138.075	0.9996	-271833.3	-271942.1	-3515531	-3516937
	G110	2886.29	9794075	9794624	-360.8325	-367.7387	-371.1917	-374.7017	-381.5509	-387.4211	-395.3632	-402.2693	-409.1754	-416.0815	82.412	228600.6	6484696	-0.553984	2.410915	-31.44274	138.0807	0.9996	-271399.4	-271508	-3515304	-3516710
	INTER001	2885.205	9794063	9794628	-358.5855	-366.1166	-369.8821	-373.7096	-381.1786	-387.58	-396.2406	-403.7717	-411.3027	-418.8337	89.869	228849	6484243	-0.554056	2.410959	-31.44423	138.0816	0.9996	-271151	-271259.5	-3515757	-3517163
	INTER002	2886.1	9794073	9794631	-359.6087	-366.8811	-370.5173	-374.2134	-381.426	-387.6075	-395.9708	-403.2432	-410.5156	-417.788	86.783	228780.1	6483771	-0.55413	2.410944	-31.44575	138.0813	0.9996	-271219.9	-271328.4	-3516229	-3517636
	INTER003	2886.593	9794078	9794635	-357.8137	-365.1124	-368.7618	-372.4713	-379.7099	-385.9138	-394.3074	-401.6061	-408.9048	-416.2035	87.097	228672.4	6483199	-0.55422	2.410921	-31.4516	138.0808	0.9996	-271327.6	-271436.1	-3516801	-3518208
	INTER004	2887.162	9794084	9794636	-352.7064	-360.0169	-363.6722	-367.3877	-374.638	-380.852	-389.2591	-396.5697	-403.8802	-411.1908	87.238	228710.9	6483030	-0.554246	2.410927	-31.45215	138.0809	0.9996	-271289.1	-271397.7	-3516970	-3518377
	INTER005	2887.52	9794088	9794640	-347.7241	-355.195	-358.9304	-362.7274	-370.1367	-376.4869	-385.0784	-392.5493	-400.0201	-407.491	89.151	228814.1	6482595	-0.554315	2.410944	-31.45357	138.0813	0.9996	-271185.9	-271294.5	-3517405	-3518812
	INTER006	2885.139	9794063	9794644	-345.982	-354.6061	-358.9181	-363.3012	-371.8543	-379.1848	-389.1025	-397.7266	-406.3507	-414.9748	102.913	228886.5	6481971	-0.554413	2.410955	-31.4556	138.0815	0.9996	-271113.5	-271222	-3518029	-3519437
	INTER008	2885.677	9794068	9794648	-348.4759	-356.9538	-361.1927	-365.5015	-373.9096	-381.1158	-390.8653	-399.3432	-407.8211	-416.299	101.168	228887.7	6481395	-0.554504	2.410952	-31.46147	138.0815	0.9996	-271112.3	-271220.8	-3518605	-3520013
	INTER009	2884.896	9794060	9794652	-341.1205	-350.3129	-354.9092	-359.5811	-368.6978	-376.5114	-387.0827	-396.2752	-405.4676	-414.66	109.695	228871	6480860	-0.554588	2.410946	-31.4632	138.0813	0.9996	-271129	-271237.5	-3519140	-3520549
	INTER010	2884.824	9794059	9794656	-341.0804	-350.422	-355.0928	-359.8406	-369.1052	-377.0456	-387.7885	-397.1301	-406.4717	-415.8133	111.475	228099	6480390	-0.554659	2.410802	-31.46466	138.0744	0.9996	-271901	-272009.8	-3519610	-3521019
	INTER011	2885.902	9794071	9794653	-350.0011	-358.5077	-362.761	-367.0844	-375.521	-382.7516	-392.5342	-401.0408	-409.5475	-418.0541	101.511	227953	6480727	-0.554605	2.410777	-31.46356	138.0738	0.9996	-272047	-272155.8	-3519273	-3520682
	INTER012	2886.93	9794082	9794650	-356.9145	-364.6574	-368.5289	-372.4641	-380.1433	-386.7248	-395.6292	-403.3722	-411.1151	-418.8581	92.398	227700.8	6481141	-0.554539	2.410732	-31.46219	138.0729	0.9996	-272299.2	-272408.2	-3518859	-3520267
	INTER013	2886.836	9794081	9794650	-365.4489	-372.9051	-376.6332	-380.4227	-387.8175	-394.1552	-402.7298	-410.186	-417.6422	-425.0984	88.976	227196.3	6481169	-0.554533	2.41064	-31.46206	138.071	0.9996	-272803.7	-272912.8	-3518831	-3520240
	INTER014	2887.165	9794084	9794648	-370.9952	-378.0689	-381.6058	-385.2009	-392.2164	-398.229	-406.3638	-413.4375	-420.5113	-427.585	84.412	226832	6481355	-0.554502	2.410573	-31.46142	138.0656	0.9996	-273168	-273277.3	-3518645	-3520053
	INTER015	2888.343	9794097	9794649	-364.6267	-371.4914	-374.9238	-378.4127	-385.2209	-391.0559	-398.9503	-405.8151	-412.6798	-419.5445	81.918	226301.1	6481286	-0.55451	2.410475	-31.4616	138.0636	0.9996	-273698.9	-273808.4	-3518714	-3520122
	INTER016	2888.862	9794102	9794649	-362.2455	-369.0119	-372.395	-375.8339	-382.5446	-388.296	-396.0773	-402.8436	-409.61	-416.3763	80.744	225870.2	6481217	-0.55452	2.410396	-31.46179	138.062	0.9996	-274129.8	-274239.5	-3518783	-3520191
	INTER017	2887.79	9794091	9794649	-368.7562	-375.6997	-379.1714	-382.7004	-389.5867	-395.4887	-403.4737	-410.4172	-417.3607	-424.3042	82.858	225405	6481205	-0.55452	2.41031	-31.46179	138.0602	0.9996	-274595	-274704.9	-3518795	-3520203
	INTER018	2887.007	9794082	9794646	-379.7634	-386.5017	-389.8709	-393.2956	-399.9784	-405.706	-413.4552	-420.1935	-426.9319	-433.6702	80.41	225133.3	6481594	-0.554457	2.410262	-31.4605	138.0552	0.9996	-274866.7	-274976.7	-3518406	-3519814
	INTER019	2886.746	9794080	9794643	-385.6955	-392.1844	-395.4289	-398.7267	-405.1622	-410.6777	-418.14	-424.6288	-431.1177	-437.6066	77.433	225039.8	6482092	-0.554379	2.410247	-31.45488	138.0549	0.9996	-274960.2	-275070.2	-3517908	-3519316
	INTER020	2886.495	9794077	9794640	-388.0276	-394.4357	-397.6398	-400.8966	-407.2519	-412.6988	-420.0681	-426.4762	-432.8843	-439.2924	76.469	224705.8	6482430	-0.554324	2.410187	-31.45375	138.0537	0.9996	-275294.2	-275404.3	-3517570	-3518977
	INTER021	2887.142	9794084	9794639	-382.0936	-388.4329	-391.6026	-394.8245	-401.1117	-406.5002	-413.7905	-420.1299	-426.4693	-432.8086	75.649	224306.4	6482551	-0.554303	2.410114	-31.45332	138.0522	0.9996	-275693.6	-275803.9	-3517449	-3518857
	INTER022	2888	9794093	9794637	-368.4124	-374.8333	-378.0437	-381.307	-387.675	-393.1327	-400.5166	-406.9375	-413.3583	-419.7792	76.621	223951.5	6482867	-0.554252	2.410051	-31.45227	138.0509	0.9996	-276048.5	-276159	-3517133	-3518540
	G099	2887.444	9794087	9794637	-369.9652	-376.5503	-379.8429	-383.1897	-389.7207	-395.3181	-402.891	-409.4762	-416.0614	-422.6465	78.582	223450.1	6482833	-0.554255	2.409958	-31.45233	138.045	0.9996	-276549.9	-276660.6	-3517167	-3518574
	G098	2888.824	9794102	9794637	-364.0793	-370.3391	-373.469	-376.6504	-382.8587	-388.1795	-395.3782	-401.638	-407.8978	-414.1575	74.699	222892.8	6482841	-0.554252	2.409856	-31.45226	138.0428	0.9996	-277107.2	-277218	-3517159	-3518566
	G043	2890.724	9794122	9794639	-354.9199	-360.8478	-363.8118	-366.8246	-372.7037	-377.7424	-384.5595	-390.4875	-396.4154	-402.3433	70.739	222385.9	6482567	-0.554292	2.409761	-31.4531	138.0409	0.9996	-277614.1	-277725.1	-3517433	-3518840
	G042	2889.752	9794111	9794642	-363.0167	-369.1604	-372.2322	-375.3546	-381.4476	-386.6697	-393.7349	-399.8785	-406.0221	-412.1658	73.313	222432.6	6482061	-0.554372	2.409767	-31.45475	138.041	0.9996	-277567.4	-277678.5	-3517939	-3519347
	G041	2889.577	9794110	9794646	-369.4714	-375.5725	-378.6231	-381.7239	-387.7748	-392.9608	-399.9771	-406.0782	-412.1794	-418.2805	72.806	222383.9	6481587	-0.554447	2.409756	-31.46028	138.0408	0.9996	-277616.1	-277727.2	-3518413	-3519820
	G040	2888.916	9794103	9794650	-374.4107	-380.7393	-383.9036	-387.1201	-393.3966	-398.776	-406.054	-412.3826	-418.7113	-425.0399	75.521	222232	6481013	-0.554536	2.409725	-31.46213	138.0401	0.9996	-277768	-277879.1	-3518987	-3520395
	G039	2887.968	9794093	9794653	-377.9511	-384.6341	-387.9756	-391.3721	-398	-403.6805	-411.366	-418.0489	-424.7319	-431.4148	79.749	222096.7	6480572	-0.554605	2.409698	-31.46355	138.0356	0.9996	-277903.3	-278014.5	-3519428	-3520836
	G038	2888.376	9794097	9794657	-375.7621	-382.4997	-385.8685	-389.2928	-395.9749	-401.7019	-409.4502	-416.1878	-422.9254	-429.663	80.401	221855.2	6480068	-0.554683	2.409651	-31.46516	138.0346	0.9996	-278144.8	-278256.1	-3519932	-3521340
	G037	2888.531	9794098	9794659	-378.2762	-384.9306	-388.2578	-391.6398	-398.2394	-403.8956	-411.5482	-418.2026	-424.8569	-431.5113	79.408	221784.7	6479809	-0.554724	2.409637	-31.466	138.0343	0.9996	-278215.3	-278326.6	-3520191	-3521600
	G036	2888.106	9794094	9794661	-378.842	-385.7103	-389.1444	-392.6351	-399.4468	-405.2848	-413.1833	-420.0515	-426.9197	-433.788	81.96	221602.9	6479542	-0.554765	2.409602	-31.47085	138.0336	0.9996	-278397.1	-278508.5	-3520458	-3521867
	G035	2888.72	9794100	9794664	-375.1846	-382.0712	-385.5145	-389.0145	-395.8444	-401.698	-409.6176	-416.5042	-423.3908	-430.2774	82.179	221291.8	6479073	-0.554837	2.409542	-31.47234	138.0324	0.9996	-278708.2	-278819.7	-3520927	-3522336
	G034	2888.312	9794096	9794666	-378.4379	-385.432	-388.9291	-392.4837	-399.4203	-405.3652	-413.4085	-420.4026	-427.3967	-434.3908	83.462	221202.8	6478814	-0.554878	2.409525	-31.47317	138.032	0.9996	-278797.2	-278908.7	-3521186	-3522595
	G033	2888.684	9794100	9794668	-383.9913	-390.7115	-394.0717	-397.4871	-404.152	-409.8643	-417.5926	-424.3128	-431.0331	-437.7533	80.194	221130.3	6478537	-0.554921	2.40951	-31.47407	138.0317	0.9996	-278869.7	-278981.3	-3521463	-3522872
	G032	2889.203	9794106	9794671	-379.0442	-385.8666	-389.2779	-392.7452	-399.5115	-405.3105	-413.1563	-419.9787	-426.8011	-433.6235	81.413	220594.5	6478065	-0.554993	2.409409	-31.47555	138.0256	0.9996	-279405.5	-279517.3	-3521935	-3523345
	G031	2889.511	9794109	9794673	-383.508	-390.1121	-393.4141	-396.7706	-403.3203	-408.9338	-416.5285	-423.1326	-429.7368	-436.3409	78.808	220502.7	6477821	-0.555031	2.409391	-31.48033	138.0252	0.9996	-279497.3	-279609.1	-3522179	-3523588
	G030	2888.576	9794099	9794675	-386.1403	-393.0801	-396.55	-400.0771	-406.9597	-412.8586	-420.8394	-427.7792	-434.719	-441.6588	82.814	220390.7	6477556	-0.555072	2.409369	-31.48118	138.0248	0.9996	-279609.3	-279721.2	-3522444	-3523853
	SW001	2889.022	9794104	9794678	-386.0712	-392.9673	-396.4153	-399.9202	-406.7594	-412.6211	-420.5516	-427.4477	-434.3437	-441.2398	82.292	220024.2	6477072	-0.555147	2.409299	-31.48272	138.0234	0.9996	-279975.8	-280087.8	-3522928	-3524337
	GATE SW	2889.783	9794112	9794681	-387.1496	-393.8191	-397.1538	-400.5435	-407.1581	-412.8271	-420.497	-427.1665	-433.836	-440.5054	79.588	219680.2	6476660	-0.55521	2.409233	-31.48403	138.022	0.9996	-280319.8	-280431.9	-3523340	-3524750
	G029 SUB	2891.28	9794128	9794683	-377.212	-383.7364	-386.9985	-390.3144	-396.785	-402.3307	-409.8337	-416.358	-422.8824	-429.4067	77.856	219050.6	6476375	-0.555252	2.409116	-31.4849	138.0156	0.9996	-280949.4	-281061.8	-3523625	-3525035
	G028	2890.883	9794123	9794681	-378.1945	-384.7759	-388.0666	-391.4115	-397.9387	-403.5329	-411.1015	-417.6829	-424.2643	-430.8457	78.537	218968.3	6476600	-0.555216	2.409102	-31.48416	138.0153	0.9996	-281031.7	-281144.1	-3523400	-3524810
	G027	2891.591	9794131	9794678	-374.9038	-381.1946	-384.34	-387.5372	-393.7762	-399.1233	-406.3577	-412.6485	-418.9393	-425.2301	75.069	218729.3	6477107	-0.555136	2.409061	-31.48249	138.0144	0.9996	-281270.7	-281383.2	-3522893	-3524303
	G026	2891.406	9794129	9794674	-372.0182	-378.3517	-381.5184	-384.7374	-391.0187	-396.4022	-403.6858	-410.0193	-416.3528	-422.6863	75.579	218670.6	6477609	-0.555056	2.409052	-31.48086	138.0143	0.9996	-281329.4	-281442	-3522391	-3523800
	G025	2892.541	9794141	9794670	-367.6358	-373.5545	-376.5139	-379.5221	-385.3921	-390.4231	-397.2297	-403.1485	-409.0673	-414.9861	70.63	218822.8	6478121	-0.554976	2.409083	-31.47521	138.0149	0.9996	-281177.2	-281289.7	-3521879	-3523288
	G024	2892.087	9794136	9794667	-362.8166	-368.9636	-372.0372	-375.1613	-381.2578	-386.4828	-393.5519	-399.699	-405.846	-411.9931	73.354	219059	6478592	-0.554903	2.409129	-31.4737	138.0158	0.9996	-280941	-281053.4	-3521408	-3522817

SW N NOF	2892.035	9794136	9794663	-354.9063	-361.2227	-364.3808	-367.591	-373.8554	-379.2242	-386.488	-392.8044	-399.1207	-405.4371	75.374	219314.3	6479126	-0.554821	2.409178	-31.472	138.0209	0.9996	-280685.7	-280798	-3520874	-3522283
G023	2891.137	9794126	9794661	-353.5825	-360.2311	-363.5553	-366.9343	-373.5281	-379.1794	-386.8252	-393.4737	-400.1222	-406.7707	79.338	219300.3	6479366	-0.554783	2.409177	-31.47122	138.0208	0.9996	-280699.7	-280812.1	-3520634	-3522043
G022	2890.45	9794119	9794657	-347.8572	-354.8395	-358.3306	-361.8793	-368.8041	-374.739	-382.7687	-389.751	-396.7333	-403.7156	83.321	219275.6	6479896	-0.554699	2.409175	-31.46549	138.0208	0.9996	-280724.4	-280836.7	-3520104	-3521512
G068	2890.475	9794119	9794658	-351.4843	-358.3378	-361.7646	-365.2477	-372.0448	-377.8703	-385.7518	-392.6053	-399.4588	-406.3123	81.784	219880.4	6479862	-0.554707	2.409286	-31.46566	138.0231	0.9996	-280119.6	-280231.7	-3520138	-3521547
G069	2887.443	9794087	9794658	-364.025	-371.6067	-375.3975	-379.2507	-386.7699	-393.2143	-401.9332	-409.5148	-417.0965	-424.6781	90.473	220406.7	6479830	-0.554715	2.409383	-31.46581	138.0251	0.9996	-279593.3	-279705.2	-3520170	-3521579
G070	2888.111	9794094	9794658	-361.6844	-369.0778	-372.7745	-376.5321	-383.8646	-390.149	-398.6515	-406.0449	-413.4383	-420.8317	88.227	220857.5	6479899	-0.554706	2.409466	-31.46563	138.0308	0.9996	-279142.5	-279254.2	-3520101	-3521510
G071	2887.618	9794089	9794657	-377.4806	-384.4541	-387.9408	-391.485	-398.4011	-404.3286	-412.3481	-419.3216	-426.2951	-433.2686	83.216	221423.6	6480038	-0.554686	2.409571	-31.46523	138.033	0.9996	-278576.4	-278687.9	-3519962	-3521371
G071A	2887.145	9794084	9794657	-374.7513	-382.013	-385.6438	-389.3344	-396.5363	-402.7088	-411.0597	-418.3214	-425.5831	-432.8448	86.655	221286.1	6480015	-0.554689	2.409546	-31.46529	138.0325	0.9996	-278713.9	-278825.4	-3519985	-3521393
G071B	2887.569	9794088	9794657	-377.4992	-384.491	-387.9869	-391.5404	-398.4747	-404.4178	-412.4584	-419.4503	-426.4421	-433.434	83.435	221417.5	6480036	-0.554686	2.40957	-31.46523	138.033	0.9996	-278582.5	-278694	-3519964	-3521372
SURVEYB,	2888	9794093	9794637	-368.4919	-374.91	-378.119	-381.3809	-387.7461	-393.2015	-400.5823	-407.0003	-413.4184	-419.8365	76.588	223950.8	6482867	-0.554252	2.410051	-31.45227	138.0509	0.9996	-276049.2	-276159.6	-3517133	-3518541
SURVEYB,	2888	9794093	9794637	-368.542	-374.9583	-378.1664	-381.4274	-387.7909	-393.2448	-400.6235	-407.0399	-413.4562	-419.8725	76.567	223950.1	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.9	-276160.4	-3517133	-3518541
D2 FENCE	2888.462	9794098	9794634	-361.0578	-367.4712	-370.6779	-373.9374	-380.2979	-385.7493	-393.1247	-399.5381	-405.9515	-412.3648	76.532	223499.2	6483221	-0.554194	2.409969	-31.45108	138.0452	0.9996	-276500.8	-276611.5	-3516779	-3518186
D2 FENCE	2889.403	9794108	9794633	-356.9625	-363.1134	-366.1889	-369.315	-375.4152	-380.6435	-387.7171	-393.868	-400.0189	-406.1698	73.4	223000.7	6483387	-0.554166	2.409878	-31.4505	138.0433	0.9996	-276999.3	-277110.1	-3516613	-3518020
G045	2889.984	9794114	9794631	-354.1077	-360.087	-363.0767	-366.1157	-372.0458	-377.1283	-384.0046	-389.9839	-395.9633	-401.9427	71.353	222476.4	6483565	-0.554136	2.409783	-31.44588	138.0413	0.9996	-277523.6	-277634.6	-3516435	-3517842
G046	2889.584	9794110	9794627	-351.4486	-357.5315	-360.573	-363.6646	-369.6974	-374.868	-381.8634	-387.9463	-394.0293	-400.1122	72.589	222669.9	6484127	-0.554048	2.409821	-31.44407	138.0421	0.9996	-277330.1	-277441	-3515873	-3517280
G047	2889.235	9794106	9794624	-348.9919	-355.1884	-358.2866	-361.4358	-367.5812	-372.8482	-379.9741	-386.1705	-392.3669	-398.5633	73.943	222737.2	6484548	-0.553983	2.409835	-31.44271	138.0424	0.9996	-277262.8	-277373.7	-3515452	-3516859
G048	2889.506	9794109	9794621	-348.5936	-354.5757	-357.5668	-360.6071	-366.54	-371.6248	-378.5043	-384.4865	-390.4686	-396.4508	71.386	222878.2	6485017	-0.553909	2.409864	-31.4412	138.043	0.9996	-277121.8	-277232.7	-3514983	-3516390
G049	2889.381	9794107	9794617	-346.634	-352.5885	-355.5657	-358.592	-364.4975	-369.5588	-376.4064	-382.3609	-388.3154	-394.2699	71.056	223018.9	6485575	-0.553822	2.409892	-31.4354	138.0436	0.9996	-276981.1	-277092	-3514425	-3515831
G139EN R	2889.765	9794112	9794616	-346.3496	-352.1526	-355.0541	-358.0034	-363.7586	-368.6911	-375.3646	-381.1675	-386.9705	-392.7735	69.248	222505.6	6485610	-0.553815	2.409798	-31.43524	138.0417	0.9996	-277494.4	-277605.5	-3514390	-3515796
G139	2890.908	9794124	9794617	-336.5613	-342.2847	-345.1465	-348.0553	-353.7317	-358.5966	-365.1786	-370.902	-376.6255	-382.3489	68.299	222001.6	6485578	-0.553817	2.409705	-31.4353	138.0357	0.9996	-277998.4	-278109.6	-3514422	-3515828
G050	2889.251	9794106	9794613	-347.5096	-353.3433	-356.2601	-359.225	-365.0106	-369.9692	-376.6779	-382.5116	-388.3452	-394.1789	69.614	223013.6	6486097	-0.55374	2.409894	-31.43371	138.0436	0.9996	-276986.4	-277097.2	-3513903	-3515309
D2 INT001	2888.338	9794096	9794613	-354.5897	-360.5217	-363.4877	-366.5026	-372.3858	-377.428	-384.2498	-390.1819	-396.1139	-402.0459	70.788	223572.5	6486099	-0.553742	2.409997	-31.43375	138.0458	0.9996	-276427.5	-276538.1	-3513901	-3515308
D2 INT002	2888.136	9794094	9794612	-352.1706	-358.2291	-361.2584	-364.3375	-370.3461	-375.4958	-382.4631	-388.5216	-394.58	-400.6385	72.297	224301	6486269	-0.553718	2.410132	-31.43326	138.0525	0.9996	-275699	-275809.3	-3513731	-3515137
D2 INT003	2888.572	9794099	9794611	-343.5509	-349.7272	-352.8153	-355.9542	-362.0796	-367.3294	-374.4321	-380.6083	-386.7845	-392.9607	73.702	224826.9	6486390	-0.553702	2.410229	-31.43292	138.0545	0.9996	-275173.1	-275283.2	-3513610	-3515016
D2 INT004	2891.16	9794126	9794617	-333.5845	-339.3219	-342.1906	-345.1066	-350.7968	-355.6736	-362.2717	-368.0092	-373.7466	-379.4841	68.466	222072.6	6485570	-0.553819	2.409718	-31.43534	138.04	0.9996	-277927.4	-278038.6	-3514430	-3515836
G140	2891.996	9794135	9794620	-326.8277	-332.6081	-335.4983	-338.436	-344.1688	-349.0821	-355.7295	-361.5099	-367.2902	-373.0706	68.978	221894.5	6485116	-0.55389	2.409683	-31.44079	138.0353	0.9996	-278105.5	-278216.8	-3514884	-3516290
G148	2891.455	9794129	9794623	-333.4968	-339.3552	-342.2845	-345.2619	-351.0722	-356.0519	-362.7891	-368.6475	-374.506	-380.3645	69.91	222189.5	6484702	-0.553956	2.409735	-31.44216	138.0404	0.9996	-277810.5	-277921.6	-3515298	-3516705
G147	2891.936	9794135	9794624	-324.0042	-330.0468	-333.0681	-336.1391	-342.1319	-347.2681	-354.217	-360.2596	-366.3022	-372.3447	72.107	221667.7	6484601	-0.55397	2.409639	-31.44244	138.0344	0.9996	-278332.3	-278443.7	-3515399	-3516805
G146	2892.217	9794138	9794625	-320.6628	-326.7717	-329.8261	-332.9308	-338.9894	-344.1819	-351.2071	-357.3159	-363.4248	-369.5336	72.898	221189.9	6484390	-0.554001	2.40955	-31.44309	138.0325	0.9996	-278810.1	-278921.7	-3515610	-3517016
d2 int005	2891.998	9794135	9794628	-328.6892	-334.697	-337.7009	-340.7543	-346.7126	-351.8192	-358.7282	-364.736	-370.7438	-376.7516	71.692	221273.9	6483988	-0.554064	2.409563	-31.4444	138.0328	0.9996	-278726.1	-278837.6	-3516012	-3517419
d2 int006	2892.131	9794137	9794630	-330.934	-336.8631	-339.8277	-342.8411	-348.7213	-353.7611	-360.5795	-366.5086	-372.4377	-378.3668	70.753	221791.6	6483796	-0.554097	2.409658	-31.44507	138.0348	0.9996	-278208.4	-278319.7	-3516204	-3517611
d2 int007	2891.529	9794130	9794630	-339.6524	-345.5217	-348.4563	-351.4393	-357.2602	-362.2491	-368.9988	-374.868	-380.7373	-386.6066	70.039	222033.7	6483705	-0.554112	2.409702	-31.44538	138.0357	0.9996	-277966.3	-278077.5	-3516295	-3517702
d2 int008	2891.92	9794134	9794630	-334.6383	-340.5399	-343.4906	-346.49	-352.3429	-357.3592	-364.146	-370.0475	-375.9491	-381.8506	70.424	221079.3	6483678	-0.554112	2.409526	-31.44539	138.032	0.9996	-278920.7	-279032.3	-3516322	-3517729
G015	2893.876	9794155	9794633	-322.1591	-327.8596	-330.7098	-333.6069	-339.2604	-344.1057	-350.6612	-356.3616	-362.062	-367.7624	68.024	220529.5	6483288	-0.554171	2.409423	-31.4506	138.0259	0.9996	-279470.5	-279582.3	-3516712	-3518120
G016	2894.147	9794158	9794637	-322.9746	-328.6703	-331.5182	-334.413	-340.0618	-344.9031	-351.4532	-357.1489	-362.8447	-368.5404	67.968	220500.8	6482799	-0.554248	2.409415	-31.45219	138.0258	0.9996	-279499.2	-279611	-3517201	-3518608
G017	2893.984	9794156	9794640	-325.1533	-330.9627	-333.8674	-336.82	-342.5816	-347.5196	-354.2004	-360.0099	-365.8193	-371.6287	69.325	220478	6482310	-0.554325	2.409409	-31.45377	138.0256	0.9996	-279522	-279633.8	-3517690	-3519097
G018	2893.97	9794156	9794644	-325.503	-331.4424	-334.4122	-337.4308	-343.3214	-348.37	-355.2004	-361.1399	-367.0794	-373.0189	70.877	220159.5	6481785	-0.554406	2.409347	-31.45545	138.0244	0.9996	-279840.5	-279952.4	-3518215	-3519623
G019	2893.367	9794150	9794647	-326.9746	-333.2107	-336.3287	-339.4981	-345.6828	-350.9835	-358.1549	-364.391	-370.627	-376.8631	74.416	219874.1	6481340	-0.554475	2.409293	-31.46086	138.0232	0.9996	-280125.9	-280238	-3518660	-3520068
G020	2892.462	9794140	9794651	-331.8937	-338.4495	-341.7274	-345.0592	-351.561	-357.1334	-364.6725	-371.2283	-377.784	-384.3398	78.231	219618.7	6480774	-0.554563	2.409243	-31.46268	138.0222	0.9996	-280381.3	-280493.5	-3519226	-3520634
G021	2892.798	9794144	9794654	-333.1528	-339.6441	-342.8898	-346.1889	-352.6268	-358.1444	-365.6094	-372.1007	-378.592	-385.0833	77.462	219403.1	6480348	-0.554629	2.409201	-31.46404	138.0213	0.9996	-280596.9	-280709.2	-3519652	-3521060
G092	2893.883	9794155	9794647	-327.0355	-333.064	-336.0783	-339.1421	-345.121	-350.2452	-357.178	-363.2065	-369.2349	-375.2634	71.939	219335.4	6481345	-0.554472	2.409193	-31.4608	138.0212	0.9996	-280664.6	-280776.9	-3518655	-3520063
G093	2894	9794156	9794646	-324.67	-330.6884	-333.6976	-336.7564	-342.7253	-347.8409	-354.7621	-360.7806	-366.799	-372.8174	71.819	219900.7	6481554	-0.554441	2.409299	-31.46017	138.0233	0.9996	-280099.3	-280211.4	-3518446	-3519854
G094	2893.646	9794153	9794645	-327.7693	-333.7987	-336.8134	-339.8778	-345.8575	-350.9825	-357.9163	-363.9458	-369.9752	-376.0046	71.95	220417.7	6481615	-0.554434	2.409394	-31.46002	138.0253	0.9996	-279582.3	-279694.2	-3518385	-3519793
G095	2892.488	9794140	9794644	-338.8265	-344.8468	-347.857	-350.9168	-356.8875	-362.0048	-368.9283	-374.9486	-380.969	-386.9893	71.842	220886.2	6481827	-0.554403	2.409481	-31.45537	138.0311	0.9996	-279113.8	-279225.5	-3518173	-3519581
G096	2892.184	9794137	9794642	-343.0204	-348.9408	-351.9011	-354.9101	-360.7818	-365.8142	-372.6227	-378.5432	-384.4637	-390.3841	70.65	221361	6482080	-0.554365	2.40957	-31.4546	138.0329	0.9996	-278639	-278750.5	-3517920	-3519328
G097	2891.771	9794133	9794640	-345.7581	-351.6593	-354.61	-357.6092	-363.4619	-368.478	-375.2645	-381.1657	-387.067	-392.9683	70.421	221961.1	6482393	-0.554318	2.409682	-31.45363	138.0353	0.9996	-278038.9	-278150.1	-3517607	-3519015
D2 GRAV I	2888	9794093	9794637	-368.5515	-374.9674	-378.1753	-381.436	-387.799	-393.2524	-400.6306	-407.0464	-413.4622	-419.878	76.561	223950.9	6482867	-0.554252	2.410051	-31.45227	138.0509	0.9996	-276049.1	-276159.6	-3517133	-3518540
D2OHSHIT	2886.8	9794080	9794650	-353.9689	-361.8812	-365.8374	-369.8587	-377.7059	-384.4313	-393.5305	-401.4428	-409.3551	-417.2674	94.419	227884.6	6481104	-0.554546	2.410766	-31.46233	138.0736	0.9996	-272115.4	-272224.3	-3518896	-3520304
D2ROAD0(	2887.401	9794087	9794658	-339.178	-347.6848	-351.9381	-356.2616	-364.6983	-371.9291	-381.7119	-390.2187	-398.7255	-407.2323	101.513	227909.5	6480033	-0.554714	2.410765	-31.4658	138.0736	0.9996	-272090.5	-272199.4	-3519967	-3521376
D2ROAD0(	2887.275	9794085	9794662	-333.2666	-342.1873	-346.6477	-351.1815	-360.0288	-367.6115	-377.8704	-386.7911	-395.7119	-404.6327	106.453	228024.2	6479477	-0.554802	2.410784	-31.47162	138.074	0.9996	-271975.8	-272084.6	-3520523	-3521932
D2ROAD0(	2887.783	9794091	9794666	-328.4303	-337.4759	-341.9987	-346.596	-355.5671	-363.2559	-373.6584	-382.704	-391.7496	-400.7953	107.943	228089.1	6478937	-0.554887	2.410793	-31.47337	138.0742	0.9996	-271910.9	-272019.7	-3521063	-3522472
D2ROAD0(	2886.749	9794080	9794669	-328.8764	-338.4245	-343.1986	-348.0512	-357.5207	-365.6366	-376.6169	-386.165	-395.7131	-405.2611	113.939	228276.3	6478499	-0.554957	2.410825	-31.47481	138.0748	0.9996	-271723.7	-271832.4	-3521501	-3522910
D2ROAD0(	2886.596	9794078	9794673	-327.0991	-336.9169	-341.8258	-346.8156	-356.5526	-364.8978	-376.1883	-386.0061	-395.824	-405.6418	117.158	228280.4	6477954	-0.555043	2.410824	-31.48058	138.0748	0.9996	-271719.6	-271828.3	-3522046	-3523456
D2ROAD0(	2887.834	9794091	9794676	-317.7966	-327.5845	-332.4785	-337.453	-347.1603	-355.4801	-366.7362	-376.5241	-386.312	-396.1	116.801	228425.4	6477549	-0.555107	2.410848	-31.48191	138.0753	0.9996	-271574.6	-271683.3	-3522451	-3523861
D2ROAD0(	2886.93	9794082	9794680	-328.1571	-338.0507	-342.9975	-348.0258	-357.8379	-366.2475	-377.6251	-387.5187	-397.4123	-407.3059	118.062	228289.7	6477040	-0.555187	2.410821	-31.48355	138.0747	0.9996	-271710.3	-271819	-3522960	-3524370
D2ROAD0(	2886.254	9794074	9794684	-329.1838	-339.4343	-344.5596	-349.7692	-359.9353	-368.6483	-380.4363	-390.6868	-400.9373	-411.1878	122.321	227979.9	6476536	-0.555265	2.410761	-31.48515	138.0735	0.9996	-272020.1	-272128.9	-3523464	-3524874
D2ROAD0(	2886.6	9794078	9794687	-342.9761	-352.7268	-357.6021	-362.5578	-372.2282	-380.5163	-391.7296	-401.4804	-411.2311	-420.9818	116.357	227708	6476008	-0.555346	2.410709	-31.49084	138.0724	0.9996	-272292	-272401	-3523992	-3525403
D2ROAD0:	2887.687	9794090	9794691	-338.5911	-348.2043	-353.0109	-357.8967	-367.4307	-375.602	-386.6571	-396.2703	-405.8835	-415.4967	114.716	227439.3	6475539	-0.555419	2.410657	-31.49234	138.0714	0.9996	-272560.7	-272669.7	-3524461	-3525872
D2ROAD0:	2888.102	9794094	9794693	-327.9098	-337.8497	-342.8197	-347.8715	-357.7296	-366.1786	-377.6095	-387.5494	-397.4894	-407.4293	118.615	228034.2	6475193	-0.555476	2.410765	-31.49351	138.0736	0.9996	-271965.8	-272074.6	-3524807	-3526218
G173	2887.037	9794083	9794690	-329.1515	-339.3164	-344.3988	-349.5649	-359.6461	-368.2862	-379.9758	-390.1407	-400.3055	-410.4704	121.299	228122.4	6475727	-0.555392	2.410784	-31.49179	138.074	0.9996	-271877.7	-271986.4	-3524273	-3525683
G172	2887.532	9794088	9794695	-317.1274	-327.7255	-333.0246	-338.4109	-348.9217	-357.9301	-370.118	-380.7161	-391.3142	-401.9123	126.469	228642.1	6475049	-0.555501	2.410876	-31.49403	138.0759	0.9996	-271357.9	-271466.4	-3524951	-3526362
G171	2887.574	9794088	9794698	-323.5619	-334.0409	-339.2805	-344.6063	-354.999	-363.9062	-375.957	-386.4361	-396.9151	-407.3941	125.048	228297.7	6474542	-0.555579	2.41081	-31.49565	138.0745	0.9996	-271702.3	-271811	-3525458	-3526868
G170	2887.289	9794085	9794702	-323.5855	-334.3023	-339.6608	-345.1074	-355.736	-364.8454	-377.1697	-387.8866	-398.6034	-409.3203	127.886	228082.2	6474056	-0.555655	2.410768	-31.50121	138.0737	0.9996	-271917.8	-272026.6	-3525944	-3527355
G169	2887.284	9794085	9794705	-325.9326	-336.6879	-342.0655	-347.5316	-358.1983	-367.3403	-379.7088	-390.464	-401.2192	-411.9744	128.344	227884.2	6473593	-0.555727	2.410729	-31.50269	138.0729	0.9996	-272115.8	-272224.7	-3526407	-3527819
G168	2886.341	9794075	9794709	-325.3802	-336.6499	-342.2848	-348.0125	-359.1894	-368.7687	-381.729	-392.9987	-404.2685	-415.5382	134.484	227760.6	6473107	-0.555803	2.410704	-31.50426	138.0723	0.9996	-272239.4	-272348.3	-3526893	-3528305
G167	2885.834	9794070	9794711	-324.1954	-335.7822	-341.5756	-347.4644	-358.9557	-368.8045	-382.1293	-393.7161	-405.3028	-416.8896	138.267	227603	6472813	-0.555848	2.410674	-31.5052	138.0717	0.9996	-272397	-272506	-3527187	-3528599
G166	2885.117	9794062	9794712	-321.1815	-333.209	-339.2227	-345.3355	-357.2639	-367.4873	-381.3189	-393.3464	-405.3739	-417.4013	143.526	227471.9	6472611	-0.55588	2.410649	-31.50584	138.0712	0.9996	-272528.1	-272637.2	-3527389	-3528800
G165	2879.816	9794006	9794714	-310.3547	-324.906	-332.1817	-339.5771	-354.0086	-366.3772	-383.1112	-397.6624	-412.2137	-426.765	173.643	227331.4	6472332	-0.555923	2.410621	-31.51073	138.0706	0.9996	-272668.6	-272777.7	-3527668	-3529080
D2HILL001	2880.044	9794009	9794716	-304.2982	-319.0336	-326.4013	-333.8903	-348.5044	-361.0295	-377.9752	-392.7106	-407.446	-422.1813	175.84	227532.9	6472146	-0.555953	2.410657	-31.51135	138.0714	0.9996	-272467.1	-272576.1	-3527854	-3529266
D2HILL002	2883.725	9794048	9794712	-312.5347	-325.4137	-331.8533	-338.3988	-351.1718	-362.119	-376.9299	-389.809	-402.6881	-415.5671	153.688	227776.5	6472636	-0.555877	2.410705	-31.50579	138.0724	0.9996	-272223.5	-272332.4	-3527364	-3528776
D2HILL003	2884.073	9794051	9794710	-312.9518	-325.6188	-331.9522	-338.39	-350.9527	-361.7196	-376.2866	-388.9535	-401.6205	-414.2875	151.157	228175	6472878	-0.555841	2.410779	-31.50503	138.0739	0.9996	-271825	-271933.8	-3527122	-3528533
D2HILL004	2881.884	9794028	9794708	-310.6916	-324.2	-330.9542	-337.8197	-351.2168	-362.699	-378.2336	-391.742	-405.2504	-418.7588	161.198	228671.4	6473226	-0.555788	2.410873	-31.50395	138.0758	0.9996	-271328.6	-271437.1	-3526774	-3528185
MINOTAUF	2884.162	9794052	9794705	-325.0466	-337.0532	-343.0564	-349.1586	-361.0662	-371.2718	-385.0793	-397.0858	-409.0923	-421.0989	143.276	228518.2	6473574	-0.555733	2.410846	-31.50281	138.0753	0.9996	-271481.8	-271590.5	-3526426	-3527837
D2HILL05	2882.941	9794039	9794703	-318.5292	-331.1713	-337.4924	-343.9176	-356.4557	-367.2015	-381.74	-394.3821	-407.0243	-419.6664	150.861	228619	6473861	-0.555688	2.410866	-31.50189	138.0757	0.9996	-271381	-271489.6	-3526139	-3527550
PTAUGUS	2886.864	9794081	9794697	-314.4019	-325.4282	-330.9413	-336.5453	-347.4808	-356.8532	-369.5335	-380.5598	-391.5861	-402.6124	131.579	228835.2	6474792	-0.555542	2.41091	-31.49488	138.0806	0.9996	-271164.8	-271273.4	-3525208	-3526619

D2 GRAV I	2888	9794093	9794637	-368.5113	-374.9288	-378.1375	-381.3991	-387.7638	-393.2186	-400.5988	-407.0162	-413.4337	-419.8512	76.581	223950.5	6482866	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.5	-276160	-3517134	-3518541
G066	2887.092	9794083	9794643	-382.0129	-388.512	-391.7616	-395.0647	-401.5103	-407.0345	-414.5085	-421.0076	-427.5067	-434.0058	77.555	225328.6	6482063	-0.554384	2.4103	-31.455	138.06	0.9996	-274671.4	-274781.3	-3517937	-3519345
G063W	2888.044	9794093	9794650	-372.746	-379.4769	-382.8423	-386.2632	-392.9387	-398.6599	-406.4005	-413.1314	-419.8623	-426.5932	80.321	225001.9	6481073	-0.554538	2.410235	-31.46218	138.0547	0.9996	-274998.1	-275108.2	-3518927	-3520335
G063	2888.14	9794094	9794653	-365.6871	-372.7616	-376.2988	-379.8943	-386.9105	-392.9238	-401.0595	-408.134	-415.2084	-422.2829	84.421	224841	6480611	-0.554611	2.410203	-31.46366	138.054	0.9996	-275159	-275269.1	-3519389	-3520798
G062	2887.624	9794089	9794657	-364.1788	-371.6354	-375.3637	-379.1534	-386.5486	-392.8868	-401.4619	-408.9185	-416.3751	-423.8317	88.981	224542.5	6480126	-0.554686	2.410146	-31.46521	138.0528	0.9996	-275457.5	-275567.7	-3519874	-3521283
G076	2888.678	9794100	9794659	-360.833	-368.0852	-371.7113	-375.3971	-382.5896	-388.754	-397.0941	-404.3463	-411.5985	-418.8507	86.542	224425.2	6479818	-0.554733	2.410123	-31.4702	138.0524	0.9996	-275574.8	-275685.1	-3520182	-3521591
G061	2886.694	9794079	9794661	-368.3636	-376.1718	-380.0758	-384.0442	-391.788	-398.425	-407.4043	-415.2125	-423.0206	-430.8288	93.176	224289.5	6479578	-0.554771	2.410097	-31.47097	138.0518	0.9996	-275710.5	-275820.9	-3520422	-3521831
G060	2885.989	9794072	9794663	-365.5467	-373.8124	-377.9453	-382.1462	-390.3438	-397.3696	-406.8752	-415.1409	-423.4066	-431.6723	98.636	224008.9	6479266	-0.554819	2.410043	-31.47195	138.0507	0.9996	-275991.1	-276101.6	-3520734	-3522143
G075	2887.794	9794091	9794659	-372.0196	-379.1975	-382.7865	-386.4346	-393.5535	-399.6547	-407.9094	-415.0874	-422.2654	-429.4433	85.656	223957.5	6479832	-0.554729	2.410037	-31.47011	138.0506	0.9996	-276042.5	-276152.9	-3520168	-3521576
G074	2887.052	9794083	9794659	-376.2427	-383.5632	-387.2235	-390.944	-398.2042	-404.4267	-412.8453	-420.1658	-427.4863	-434.8068	87.357	223355.8	6479780	-0.554735	2.409926	-31.47023	138.0443	0.9996	-276644.2	-276754.9	-3520220	-3521628
G073	2886.567	9794078	9794659	-380.1602	-387.5122	-391.1882	-394.9248	-402.2162	-408.4655	-416.9203	-424.2723	-431.6243	-438.9764	87.733	222876.9	6479816	-0.554727	2.409838	-31.47007	138.0425	0.9996	-277123.1	-277234	-3520184	-3521593
G072	2886.912	9794081	9794658	-380.0462	-387.2524	-390.8555	-394.518	-401.6649	-407.7901	-416.0773	-423.2835	-430.4897	-437.6959	85.993	222396.3	6479865	-0.554718	2.409749	-31.46587	138.0407	0.9996	-277603.7	-277714.8	-3520135	-3521544
G059I	2885.665	9794068	9794662	-381.0182	-388.8156	-392.7143	-396.6771	-404.4103	-411.038	-420.0049	-427.8023	-435.5996	-443.397	93.047	223029.7	6479343	-0.554802	2.409864	-31.47162	138.043	0.9996	-276970.3	-277081.1	-3520657	-3522066
G059	2886.248	9794074	9794666	-369.6826	-377.8213	-381.8907	-386.0271	-394.0988	-401.0168	-410.3763	-418.515	-426.6538	-434.7925	97.121	223615.8	6478787	-0.554892	2.409969	-31.47347	138.0452	0.9996	-276384.2	-276494.8	-3521213	-3522622
G058	2886.63	9794078	9794670	-371.2898	-379.3504	-383.3808	-387.4775	-395.4717	-402.3233	-411.593	-419.6536	-427.7143	-435.7749	96.189	223379.6	6478299	-0.554968	2.409923	-31.47503	138.0442	0.9996	-276620.4	-276731.1	-3521701	-3523110
G057	2886.645	9794079	9794673	-371.9783	-380.1264	-384.2004	-388.3416	-396.4226	-403.3485	-412.7189	-420.867	-429.0151	-437.1633	97.233	223156.3	6477848	-0.555038	2.409879	-31.48048	138.0433	0.9996	-276843.7	-276954.5	-3522152	-3523561
G056	2887.391	9794086	9794677	-372.9079	-380.8573	-384.832	-388.8722	-396.7562	-403.5132	-412.655	-420.6045	-428.5539	-436.5033	94.862	222861.4	6477375	-0.555111	2.409823	-31.48199	138.0422	0.9996	-277138.6	-277249.5	-3522625	-3524034
G056X	2887.574	9794088	9794681	-370.1976	-378.3334	-382.4013	-386.5362	-394.605	-401.5205	-410.8767	-419.0125	-427.1483	-435.2841	97.086	223068.5	6476788	-0.555204	2.409858	-31.48391	138.0429	0.9996	-276931.5	-277042.3	-3523212	-3524622
G089	2883.446	9794045	9794652	-337.165	-347.0383	-351.9749	-356.9928	-366.7847	-375.177	-386.5312	-396.4044	-406.2776	-416.1509	117.819	230647.9	6481002	-0.554573	2.411274	-31.46289	138.0921	0.9996	-269352.1	-269459.9	-3518998	-3520406
G088	2882.731	9794037	9794656	-332.682	-343.1419	-348.3719	-353.688	-364.0618	-372.9527	-384.9816	-395.4415	-405.9014	-416.3613	124.82	230237.6	6480445	-0.554659	2.411196	-31.46467	138.0905	0.9996	-269762.4	-269870.3	-3519555	-3520964
G087	2884.156	9794052	9794655	-332.797	-342.6772	-347.6173	-352.6388	-362.4376	-370.8358	-382.198	-392.0782	-401.9584	-411.8385	117.902	229861.6	6480524	-0.554645	2.411127	-31.46438	138.0851	0.9996	-270138.4	-270246.5	-3519476	-3520885
G086	2885.458	9794066	9794656	-327.3917	-337.004	-341.8102	-346.6955	-356.2288	-364.3993	-375.4535	-385.0658	-394.6782	-404.2906	114.706	229413.9	6480366	-0.554668	2.411044	-31.46485	138.0834	0.9996	-270586.1	-270694.3	-3519634	-3521042
G085	2886.58	9794078	9794656	-326.2529	-335.4732	-340.0833	-344.7694	-353.9137	-361.751	-372.3543	-381.5745	-390.7948	-400.015	110.027	228896.3	6480349	-0.554669	2.410949	-31.46486	138.0814	0.9996	-271103.7	-271212.2	-3519651	-3521059
G084	2886.919	9794081	9794657	-336.1971	-344.9423	-349.3149	-353.7595	-362.4327	-369.8662	-379.9231	-388.6683	-397.4135	-406.1587	104.358	228392.8	6480261	-0.55468	2.410855	-31.46511	138.0755	0.9996	-271607.2	-271715.9	-3519739	-3521148
D2 GRAVE	2888	9794093	9794637	-368.4628	-374.882	-378.0916	-381.354	-387.7203	-393.1766	-400.5587	-406.9778	-413.397	-419.8162	76.601	223949.6	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276050.4	-276160.9	-3517133	-3518541
BM8782	2892.669	9794142	9794596	-326.0565	-330.7199	-333.0516	-335.4217	-340.0467	-344.0106	-349.3735	-354.0369	-358.7002	-363.3636	55.649	215187.5	6488253	-0.553368	2.408465	-31.42203	137.5942	0.9996	-284812.5	-284926.5	-3511747	-3513152
D3ROAD0(	2893.587	9794152	9794595	-309.5578	-314.4491	-316.8947	-319.3806	-324.2315	-328.3891	-334.014	-338.9053	-343.7965	-348.6877	58.368	217030.1	6488380	-0.553356	2.408805	-31.42178	138.0052	0.9996	-282969.9	-283083.1	-3511620	-3513025
D3ROAD0(	2892.996	9794146	9794597	-314.4494	-319.4453	-321.9432	-324.4822	-329.4369	-333.6833	-339.4285	-344.4244	-349.4202	-354.416	59.616	217986.9	6488201	-0.553388	2.40898	-31.42244	138.0128	0.9996	-282013.1	-282125.9	-3511799	-3513204
G149	2891.225	9794127	9794596	-319.4724	-324.9506	-327.6896	-330.4738	-335.9069	-340.5634	-346.8633	-352.3414	-357.8196	-363.2978	65.372	218599	6488293	-0.553376	2.409093	-31.4222	138.0151	0.9996	-281401	-281513.6	-3511707	-3513113
G150	2891.044	9794125	9794594	-327.0565	-332.246	-334.8407	-337.4782	-342.6249	-347.036	-353.0039	-358.1934	-363.3829	-368.5723	61.927	219111.2	6488613	-0.553328	2.409189	-31.42121	138.0211	0.9996	-280888.8	-281001.2	-3511387	-3512793
G004	2890.902	9794124	9794592	-328.0978	-333.2432	-335.8159	-338.431	-343.534	-347.9076	-353.8248	-358.9702	-364.1156	-369.261	61.401	219500.7	6488852	-0.553292	2.409261	-31.42047	138.0226	0.9996	-280499.3	-280611.6	-3511148	-3512553
G003	2889.511	9794109	9794589	-321.5661	-327.3581	-330.254	-333.1977	-338.9419	-343.865	-350.5258	-356.3177	-362.1096	-367.9015	69.116	219244.5	6489338	-0.553214	2.409217	-31.41486	138.0217	0.9996	-280755.5	-280867.9	-3510662	-3512066
G002	2892.187	9794137	9794585	-311.5806	-316.5658	-319.0585	-321.5921	-326.5364	-330.7738	-336.5069	-341.4921	-346.4774	-351.4627	59.49	218852.6	6489836	-0.553134	2.409147	-31.41322	138.0202	0.9996	-281147.4	-281259.9	-3510164	-3511569
G001	2892.765	9794143	9794581	-302.5006	-307.4587	-309.9377	-312.4575	-317.3747	-321.589	-327.2908	-332.2488	-337.2068	-342.1648	59.165	218401.5	6490333	-0.553054	2.409067	-31.41156	138.0146	0.9996	-281598.5	-281711.2	-3509667	-3511071
D3INT001	2892.133	9794137	9794582	-308.0213	-313.0318	-315.5371	-318.0837	-323.053	-327.312	-333.0741	-338.0847	-343.0953	-348.1058	59.792	219103	6490315	-0.55306	2.409196	-31.41168	138.0212	0.9996	-280897	-281009.4	-3509685	-3511089
D3INT002	2891.211	9794127	9794584	-318.3722	-323.4502	-325.9892	-328.57	-333.6063	-337.9226	-343.7623	-348.8403	-353.9184	-358.9964	60.597	219552.1	6489992	-0.553113	2.409277	-31.41277	138.0229	0.9996	-280447.9	-280560.1	-3510008	-3511412
D3INT003	2891.25	9794127	9794586	-316.9438	-322.135	-324.7305	-327.3689	-332.5173	-336.9298	-342.8996	-348.0908	-353.2819	-358.4731	61.947	220072.5	6489722	-0.553158	2.409371	-31.41369	138.0248	0.9996	-279927.5	-280039.5	-3510278	-3511683
G152	2891.038	9794125	9794589	-313.0413	-318.5553	-321.3122	-324.1146	-329.5832	-334.27	-340.6111	-346.125	-351.639	-357.153	65.799	220373.7	6489362	-0.553215	2.409425	-31.41489	138.0259	0.9996	-279626.3	-279738.2	-3510638	-3512043
G151	2889.922	9794113	9794591	-324.4118	-330.007	-332.8047	-335.6484	-341.1975	-345.9535	-352.388	-357.9833	-363.5785	-369.1737	66.769	219888.8	6489105	-0.553254	2.409334	-31.41568	138.0241	0.9996	-280111.2	-280223.3	-3510895	-3512300
G005	2889.2	9794106	9794596	-336.6736	-342.3078	-345.1249	-347.9884	-353.5762	-358.3653	-364.8446	-370.4788	-376.113	-381.7472	67.234	219915.7	6488325	-0.553377	2.409335	-31.42221	138.0241	0.9996	-280084.3	-280196.4	-3511675	-3513081
G006	2890.498	9794119	9794600	-331.4554	-336.9097	-339.6368	-342.4089	-347.8183	-352.4544	-358.7268	-364.1811	-369.6354	-375.0897	65.087	220165.5	6487836	-0.553455	2.409379	-31.42382	138.025	0.9996	-279834.5	-279946.5	-3512164	-3513569
D3INT004	2891.266	9794127	9794603	-329.5108	-334.8722	-337.5529	-340.2778	-345.5951	-350.1523	-356.318	-361.6794	-367.0408	-372.4023	63.979	219831.7	6487326	-0.553533	2.409315	-31.42544	138.0237	0.9996	-280168.3	-280280.4	-3512674	-3514080
G141	2890.124	9794115	9794607	-326.9033	-332.9449	-335.9656	-339.0362	-345.028	-350.1633	-357.1111	-363.1527	-369.1942	-375.2358	72.095	219656.8	6486787	-0.553617	2.40928	-31.43118	138.023	0.9996	-280343.2	-280455.4	-3513213	-3514619
G008	2891.21	9794127	9794607	-326.4822	-332.1114	-334.9261	-337.7871	-343.37	-348.1548	-354.6285	-360.2578	-365.887	-371.5163	67.175	220167.1	6486828	-0.553613	2.409374	-31.43109	138.0249	0.9996	-279832.9	-279944.9	-3513172	-3514578
G009	2891.428	9794129	9794611	-324.6763	-330.4208	-333.2931	-336.2126	-341.9098	-346.7926	-353.3988	-359.1433	-364.8878	-370.6323	68.55	220374.4	6486332	-0.553692	2.40941	-31.43272	138.0256	0.9996	-279625.6	-279737.5	-3513668	-3515074
G010	2892.826	9794144	9794615	-321.4531	-326.9151	-329.6462	-332.4222	-337.8393	-342.4821	-348.7635	-354.2256	-359.6876	-365.1497	65.18	220502	6485804	-0.553775	2.40943	-31.43444	138.0301	0.9996	-279498	-279609.9	-3514196	-3515602
G131	2892.605	9794142	9794614	-323.8858	-329.3329	-332.0565	-334.8248	-340.2271	-344.8571	-351.1212	-356.5683	-362.0154	-367.4625	65.001	219828.3	6485830	-0.553768	2.409307	-31.43429	138.0235	0.9996	-280171.7	-280283.9	-3514170	-3515576
G131I	2892.703	9794143	9794617	-320.6232	-326.2612	-329.0802	-331.9456	-337.5372	-342.3294	-348.8131	-354.4511	-360.0891	-365.7271	67.279	220154.2	6485429	-0.553833	2.409365	-31.43563	138.0247	0.9996	-279845.8	-279957.8	-3514571	-3515978
G011	2892.701	9794143	9794618	-318.7769	-324.5088	-327.3747	-330.2878	-335.9725	-340.8445	-347.4361	-353.168	-358.8998	-364.6316	68.399	220517.4	6485343	-0.553848	2.409431	-31.43594	138.0301	0.9996	-279482.6	-279594.4	-3514657	-3516064
G012	2893.199	9794148	9794622	-318.4739	-324.1556	-326.9964	-329.884	-335.5189	-340.3482	-346.8821	-352.5638	-358.2454	-363.9271	67.8	220541.7	6484849	-0.553926	2.409433	-31.44154	138.0301	0.9996	-279458.3	-279570.1	-3515151	-3516558
G145I	2893.648	9794153	9794623	-318.9459	-324.489	-327.2606	-330.0778	-335.5753	-340.2869	-346.6615	-352.2046	-357.7477	-363.2909	66.147	220188.9	6484642	-0.553957	2.409367	-31.44218	138.0248	0.9996	-279811.1	-279923	-3515358	-3516765
G145	2893.026	9794146	9794625	-316.7306	-322.6808	-325.6558	-328.6799	-334.581	-339.6386	-346.4813	-352.4314	-358.3816	-364.3317	71.004	219863.4	6484314	-0.554007	2.409305	-31.44322	138.0235	0.9996	-280136.6	-280248.7	-3515686	-3517093
G013	2893.265	9794149	9794625	-320.3921	-326.106	-328.9629	-331.8669	-337.5338	-342.3906	-348.9616	-354.6755	-360.3894	-366.1033	68.185	220517.6	6484368	-0.554001	2.409426	-31.4431	138.026	0.9996	-279482.4	-279594.2	-3515632	-3517039
G014	2891.982	9794135	9794629	-321.2432	-327.5535	-330.7086	-333.9156	-340.1739	-345.5376	-352.7944	-359.1046	-365.4148	-371.725	75.301	220504.9	6483878	-0.554078	2.409421	-31.44469	138.0259	0.9996	-279495.1	-279607	-3516122	-3517529
D3 GRAV I	2888	9794093	9794637	-368.4877	-374.906	-378.1152	-381.3772	-387.7427	-393.1983	-400.5793	-406.9977	-413.416	-419.8343	76.591	223950.1	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.9	-276160.4	-3517133	-3518541
D3 GRAV I	2888	9794093	9794637	-368.6207	-375.0339	-378.2404	-381.4998	-387.8601	-393.3113	-400.6864	-407.0995	-413.5126	-419.9258	76.529	223950.4	6482868	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.6	-276160.1	-3517132	-3518540
BM8782 PI	2892.669	9794142	9794596	-326.1344	-330.7959	-333.1266	-335.4957	-340.1188	-344.0811	-349.4417	-354.1032	-358.7647	-363.4261	55.626	215188.1	6488251	-0.553368	2.408465	-31.42203	137.5942	0.9996	-284811.9	-284925.8	-3511749	-3513155
G142	2892.661	9794142	9794607	-314.3137	-319.8293	-322.5871	-325.3903	-330.8606	-335.5488	-341.8918	-347.4075	-352.9231	-358.4387	65.819	220843.7	6486834	-0.553615	2.409498	-31.43113	138.0315	0.9996	-279156.3	-279268	-3513166	-3514572
G143	2892.514	9794141	9794606	-312.5296	-318.1059	-320.894	-323.7281	-329.2585	-333.9983	-340.4111	-345.9874	-351.5637	-357.14	66.543	221403.6	6487080	-0.553579	2.409603	-31.43038	138.0336	0.9996	-278596.4	-278707.9	-3512920	-3514325
G137	2891.647	9794131	9794607	-320.5967	-326.2833	-329.1266	-332.0167	-337.6564	-342.49	-349.0296	-354.7162	-360.4028	-366.0894	67.859	221843.4	6486831	-0.55362	2.409682	-31.43123	138.0353	0.9996	-278156.6	-278267.9	-3513169	-3514575
G138	2891.74	9794132	9794611	-319.3115	-325.1357	-328.0479	-331.0079	-336.7843	-341.7349	-348.4328	-354.2571	-360.0813	-365.9056	69.502	221879.7	6486356	-0.553695	2.409687	-31.43277	138.0354	0.9996	-278120.3	-278231.6	-3513644	-3515050
G132	2893.423	9794150	9794615	-314.1408	-319.6334	-322.3797	-325.1712	-330.6186	-335.2873	-341.6037	-347.0963	-352.5889	-358.0815	65.544	221130.1	6485844	-0.553772	2.409546	-31.43437	138.0325	0.9996	-278870	-278981.5	-3514156	-3515562
G133	2892.415	9794140	9794614	-319.311	-324.9798	-327.8142	-330.6952	-336.3173	-341.1357	-347.6547	-353.3235	-358.9922	-364.6609	67.646	221599.7	6485951	-0.553757	2.409633	-31.43406	138.0343	0.9996	-278400.3	-278511.7	-3514049	-3515455
G134	2890.71	9794122	9794613	-323.4825	-329.6439	-332.7246	-335.856	-341.9667	-347.2039	-354.2895	-360.4509	-366.6123	-372.7736	73.525	221938.5	6486016	-0.553748	2.409696	-31.43388	138.0355	0.9996	-278061.5	-278172.8	-3513984	-3515390
G135	2890.185	9794116	9794613	-327.0146	-333.2385	-336.3505	-339.5137	-345.6864	-350.9767	-358.1342	-364.3581	-370.582	-376.8059	74.271	222147.2	6486066	-0.553741	2.409734	-31.43373	138.0403	0.9996	-277852.8	-277964	-3513934	-3515340
G136	2890.505	9794119	9794612	-334.099	-339.9109	-342.8169	-345.7707	-351.5348	-356.475	-363.1587	-368.9707	-374.7826	-380.5946	69.355	222569	6486185	-0.553724	2.409813	-31.43338	138.042	0.9996	-277431	-277542.1	-3513815	-3515221
G051	2888.037	9794093	9794610	-337.8896	-344.4169	-347.6805	-350.9979	-357.4714	-363.0196	-370.5259	-377.0532	-383.5805	-390.1077	77.891	222889.2	6486577	-0.553664	2.409873	-31.43214	138.0432	0.9996	-277110.8	-277221.7	-3513423	-3514829
G052	2890.501	9794119	9794606	-328.8513	-334.6161	-337.4985	-340.4283	-346.1456	-351.0457	-357.6752	-363.4399	-369.2047	-374.9695	68.792	222619.6	6487090	-0.553582	2.409826	-31.43045	138.0422	0.9996	-277380.4	-277491.4	-3512910	-3514316
G053	2891.026	9794125	9794604	-324.401	-330.066	-332.8985	-335.7777	-341.3961	-346.2114	-352.7262	-358.3913	-364.0563	-369.7214	67.602	222133.3	6487300	-0.553547	2.409738	-31.42573	138.0404	0.9996	-277866.7	-277977.9	-3512700	-3514106
G054	2891.67	9794132	9794602	-316.3617	-321.9854	-324.7972	-327.6553	-333.2327	-338.0128	-344.48	-350.1036	-355.7273	-361.3509	67.108	221852.3	6487615	-0.553496	2.409688	-31.42468	138.0354	0.9996	-278147.7	-278259	-3512385	-3513791
G055	2892.013	9794135	9794600	-312.376	-317.9495	-320.7362	-323.5688	-329.0964	-333.8338	-340.2433	-345.8167	-351.3902	-356.9636	66.509	221693.9	6487848	-0.553459	2.40966	-31.42392	138.0348	0.9996	-278306.1	-278417.4	-3512152	-3513558
G144 EN F	2891.148	9794126	9794601	-319.0462	-324.7318	-327.5746	-330.4642	-336.103	-340.9357	-347.4741	-353.1597	-358.8453	-364.5309	67.847	222201.5	6487783	-0.553472	2.409753	-31.42417	138.0407	0.9996	-277798.5	-277909.7	-3512217	-3513623
G144	2889.433	9794108	9794602	-326.5694	-332.7005	-335.7661	-338.8821	-344.9628	-350.1743	-357.2251	-363.3562	-369.4874	-375.6185	73.164	222676.4	6487582	-0.553505	2.409839	-31.42486	138.0425	0.9996	-277323.6	-277434.6	-3512418	-3513823
D3ROAD0(	2889.798	9794112	9794603	-330.1566	-336.036	-338.9757	-341.9638	-347.7948	-352.7923	-359.5536	-365.433	-371.3124	-377.1918	70.16	223268.6	6487521	-0.553517	2.409948	-31.42511	138.0447	0.9996	-276731.4	-276842.1	-3512479	-3513885
D3ROAD0(	2889.204	9794106	9794602	-332.2337	-338.2409	-341.2444	-344.2974	-350.2551	-355.3611	-362.2693	-368.2765	-374.2836	-380.2907	71.684	223757.5	6487633	-0.553502	2.410038	-31.42479	138.0506	0.9996	-276242.5	-276353	-3512367	-3513773

D3ROAD0(	2889	9794103	9794603	-333.3921	-339.4589	-342.4922	-345.5756	-351.5924	-356.7492	-363.726	-369.7928	-375.8596	-381.9263	72.396	224294.1	6487561	-0.553515	2.410137	-31.42507	138.0526	0.9996	-275705.9	-275816.3	-3512439	-3513844
D3ROAD0(	2888.775	9794101	9794603	-333.8011	-339.9587	-343.0374	-346.1669	-352.2737	-357.5077	-364.5888	-370.7464	-376.9039	-383.0614	73.479	224843.5	6487505	-0.553526	2.410238	-31.4253	138.0547	0.9996	-275156.5	-275266.6	-3512495	-3513901
D3ROAD0(	2888.621	9794099	9794604	-333.9118	-340.1517	-343.2716	-346.443	-352.6315	-357.9354	-365.1114	-371.3513	-377.5912	-383.8311	74.462	225385	6487419	-0.553542	2.410337	-31.42563	138.0608	0.9996	-274615	-274724.9	-3512581	-3513987
D3ROAD0(	2888.006	9794093	9794605	-338.2227	-344.5847	-347.7657	-350.9991	-357.3087	-362.7164	-370.0327	-376.3947	-382.7567	-389.1188	75.919	225918.5	6487278	-0.553567	2.410434	-31.43013	138.0628	0.9996	-274081.5	-274191.2	-3512722	-3514128
D3ROAD0:	2887.512	9794088	9794606	-341.5859	-348.0616	-351.2995	-354.5907	-361.0131	-366.5175	-373.9645	-380.4403	-386.916	-393.3917	77.276	226444.5	6487122	-0.553593	2.41053	-31.43068	138.0648	0.9996	-273555.5	-273665	-3512878	-3514284
D3ROAD0:	2887.089	9794083	9794610	-347.9928	-354.5362	-357.8078	-361.1334	-367.6229	-373.1847	-380.7096	-387.2529	-393.7963	-400.3397	78.083	226624.6	6486607	-0.553675	2.410561	-31.43237	138.0654	0.9996	-273375.4	-273484.8	-3513393	-3514799
D3ROAD0:	2886.885	9794081	9794614	-351.4447	-358.0912	-361.4145	-364.7925	-371.3843	-377.0338	-384.6773	-391.3238	-397.9703	-404.6168	79.314	226706.2	6486045	-0.553764	2.410573	-31.4342	138.0656	0.9996	-273293.8	-273403.2	-3513955	-3515361
D3ROAD0:	2886.44	9794076	9794618	-359.6949	-366.3441	-369.6687	-373.048	-379.6425	-385.2943	-392.9409	-399.5901	-406.2393	-412.8885	79.346	226990.8	6485555	-0.553842	2.410623	-31.43581	138.0707	0.9996	-273009.2	-273118.4	-3514445	-3515851
D3ROAD0:	2885.926	9794071	9794615	-361.086	-367.7926	-371.1459	-374.5545	-381.2058	-386.9064	-394.619	-401.3256	-408.0322	-414.7388	80.031	227341.9	6485906	-0.553788	2.410689	-31.4347	138.072	0.9996	-272658.1	-272767.2	-3514094	-3515501
D3ROAD0:	2885.872	9794070	9794613	-358.2466	-365.0046	-368.3836	-371.8183	-378.5207	-384.265	-392.0368	-398.7949	-405.5529	-412.311	80.645	227797	6486193	-0.553745	2.410775	-31.43381	138.0738	0.9996	-272203.1	-272312	-3513807	-3515213
D3ROAD0:	2885.508	9794066	9794613	-358.9804	-365.8251	-369.2475	-372.7262	-379.5145	-385.3325	-393.2039	-400.0486	-406.8933	-413.738	81.679	228251.3	6486309	-0.553729	2.410859	-31.43347	138.0755	0.9996	-271748.7	-271857.4	-3513691	-3515097
D3ROAD0:	2884.912	9794060	9794613	-360.6642	-367.6926	-371.2068	-374.7788	-381.7494	-387.7235	-395.8061	-402.8345	-409.8629	-416.8913	83.871	228908.9	6486271	-0.553737	2.41098	-31.43365	138.082	0.9996	-271091.1	-271199.6	-3513729	-3515135
D3ROAD0:	2883.447	9794045	9794615	-361.4164	-369.0546	-372.8737	-376.7557	-384.331	-390.8235	-399.6074	-407.2457	-414.8839	-422.5221	91.148	229412.9	6486023	-0.553778	2.411071	-31.4345	138.0839	0.9996	-270587.1	-270695.4	-3513977	-3515383
G153	2884.716	9794058	9794619	-360.9059	-368.2133	-371.8671	-375.5809	-382.8282	-389.0395	-397.4431	-404.7506	-412.058	-419.3654	87.201	229424.2	6485490	-0.553862	2.411071	-31.44023	138.0839	0.9996	-270575.8	-270684	-3514510	-3515916
G111	2885.17	9794063	9794623	-363.9757	-371.1444	-374.7287	-378.3721	-385.4817	-391.5751	-399.8191	-406.9877	-414.1564	-421.3251	85.545	229133	6484921	-0.553951	2.411014	-31.44205	138.0827	0.9996	-270867	-270975.4	-3515079	-3516485
G112	2885.063	9794062	9794622	-362.8436	-370.0749	-373.6905	-377.3657	-384.5374	-390.684	-399	-406.2312	-413.4625	-420.6938	86.292	229602.2	6485010	-0.553939	2.411101	-31.4418	138.0845	0.9996	-270397.8	-270506	-3514990	-3516397
G113	2885.326	9794065	9794621	-357.4281	-364.724	-368.3719	-372.0799	-379.3157	-385.5172	-393.9075	-401.2034	-408.4992	-415.7951	87.063	230135.3	6485142	-0.55392	2.4112	-31.44142	138.0906	0.9996	-269864.7	-269972.7	-3514858	-3516264
G114	2885.141	9794063	9794621	-354.2479	-361.71	-365.4411	-369.2336	-376.6343	-382.9771	-391.5586	-399.0207	-406.4829	-413.945	89.047	230623.7	6485238	-0.553907	2.41129	-31.44115	138.0924	0.9996	-269376.3	-269484.1	-3514762	-3516169
G115	2885.337	9794065	9794621	-349.9015	-357.4455	-361.2175	-365.0516	-372.5335	-378.9459	-387.6215	-395.1655	-402.7095	-410.2536	90.024	231131.9	6485256	-0.553906	2.411384	-31.44113	138.0944	0.9996	-268868.1	-268975.7	-3514744	-3516151
G116	2884.37	9794054	9794620	-344.367	-352.4706	-356.5224	-360.6409	-368.6778	-375.5659	-384.8851	-392.9887	-401.0924	-409.196	96.702	231595.3	6485334	-0.553896	2.411469	-31.44092	138.1001	0.9996	-268404.7	-268512.1	-3514666	-3516073
G117	2885.01	9794061	9794620	-341.3222	-349.2923	-353.2774	-357.328	-365.2326	-372.0072	-381.1728	-389.143	-397.1131	-405.0832	95.109	232165.6	6485337	-0.553898	2.411574	-31.44096	138.1023	0.9996	-267834.4	-267941.6	-3514663	-3516070
G121	2884.89	9794060	9794622	-348.8477	-356.6512	-360.553	-364.519	-372.2583	-378.8913	-387.8654	-395.6689	-403.4724	-411.276	93.121	231150.4	6485076	-0.553935	2.411386	-31.44172	138.0944	0.9996	-268849.6	-268957.2	-3514924	-3516330
122	2884.076	9794051	9794617	-347.8006	-355.7631	-359.7443	-363.7911	-371.6879	-378.456	-387.6128	-395.5752	-403.5376	-411.5	95.017	231602.4	6485819	-0.55382	2.411473	-31.43535	138.1002	0.9996	-268397.6	-268505	-3514181	-3515588
123	2884.061	9794051	9794613	-345.2594	-353.1899	-357.1551	-361.1857	-369.0509	-375.7918	-384.9119	-392.8424	-400.7729	-408.7034	94.636	231881.6	6486317	-0.553742	2.411527	-31.43376	138.1013	0.9996	-268118.4	-268225.7	-3513683	-3515089
G124	2884.014	9794051	9794609	-343.7253	-351.5911	-355.524	-359.5217	-367.3227	-374.0086	-383.0543	-390.9201	-398.7859	-406.6517	93.864	232023.4	6486843	-0.55366	2.411555	-31.43206	138.1019	0.9996	-267976.6	-268083.8	-3513157	-3514563
G125	2883.878	9794049	9794606	-344.6447	-352.3995	-356.2769	-360.2182	-367.9092	-374.5008	-383.4189	-391.1738	-398.9286	-406.6835	92.54	232144.4	6487333	-0.553584	2.41158	-31.43048	138.1024	0.9996	-267855.6	-267962.8	-3512667	-3514073
D3 001	2884.301	9794054	9794605	-341.6603	-349.3208	-353.151	-357.0443	-364.6418	-371.1532	-379.9627	-387.6232	-395.2837	-402.9442	91.414	231631	6487469	-0.55356	2.411486	-31.426	138.1005	0.9996	-268369	-268476.4	-3512531	-3513937
D3 002	2884.399	9794055	9794605	-344.0839	-351.6291	-355.4018	-359.2365	-366.7197	-373.1332	-381.8102	-389.3555	-396.9008	-404.446	90.039	231075.6	6487412	-0.553567	2.411384	-31.43013	138.0944	0.9996	-268924.4	-269032	-3512588	-3513993
D3 003	2884.584	9794057	9794608	-349.6615	-357.0342	-360.7205	-364.4675	-371.7794	-378.0462	-386.5247	-393.8974	-401.27	-408.6427	87.979	230636.7	6487012	-0.553628	2.411301	-31.43139	138.0927	0.9996	-269363.3	-269471.1	-3512988	-3514393
D3 004	2884.86	9794060	9794610	-354.3786	-361.5669	-365.161	-368.8144	-375.9435	-382.0535	-390.32	-397.5083	-404.6966	-411.8849	85.779	230217.2	6486644	-0.553684	2.411222	-31.43255	138.091	0.9996	-269782.8	-269890.7	-3513356	-3514761
D3 005	2884.686	9794058	9794613	-359.6157	-366.756	-370.3261	-373.9551	-381.0365	-387.1058	-395.3171	-402.4573	-409.5976	-416.7378	85.206	229700	6486345	-0.553729	2.411125	-31.43348	138.085	0.9996	-270300	-270408.1	-3513655	-3515061
G154	2883.531	9794046	9794615	-362.4787	-370.0458	-373.8293	-377.6751	-385.1799	-391.6119	-400.314	-407.8811	-415.4481	-423.0152	90.299	229504	6486025	-0.553778	2.411088	-31.4345	138.0843	0.9996	-270496	-270604.3	-3513975	-3515381
G155	2884.556	9794056	9794613	-360.8352	-367.9872	-371.5632	-375.1981	-382.2912	-388.3704	-396.5952	-403.7472	-410.8992	-418.0512	85.346	229730.7	6486323	-0.553733	2.411131	-31.43355	138.0851	0.9996	-270269.3	-270377.4	-3513677	-3515083
G156	2884.342	9794054	9794609	-359.3204	-366.4842	-370.066	-373.7069	-380.8116	-386.9008	-395.1391	-402.3028	-409.4665	-416.6302	85.486	229835	6486801	-0.553658	2.411153	-31.43201	138.0856	0.9996	-270165	-270273.1	-3513199	-3514605
G157	2884.395	9794055	9794605	-352.5074	-359.7621	-363.3895	-367.0766	-374.2716	-380.4381	-388.781	-396.0358	-403.2905	-410.5452	86.572	230005.2	6487323	-0.553576	2.411186	-31.43033	138.0903	0.9996	-269994.8	-270102.9	-3512677	-3514083
G158	2883.96	9794050	9794602	-350.3594	-357.7308	-361.4165	-365.1629	-372.4736	-378.7392	-387.2163	-394.5877	-401.9591	-409.3305	87.964	230134.8	6487817	-0.553499	2.411213	-31.42474	138.0908	0.9996	-269865.2	-269973.2	-3512183	-3513589
G162	2883.613	9794046	9794600	-348.7513	-356.2456	-359.9927	-363.8016	-371.2342	-377.6044	-386.2229	-393.7172	-401.2115	-408.7058	89.431	230601.4	6488093	-0.553458	2.4113	-31.42389	138.0926	0.9996	-269398.6	-269506.4	-3511907	-3513313
G159	2883.493	9794045	9794598	-348.0723	-355.5693	-359.3178	-363.1281	-370.5633	-376.9358	-385.5573	-393.0543	-400.5513	-408.0483	89.463	230217.2	6488340	-0.553417	2.41123	-31.42305	138.0912	0.9996	-269782.8	-269890.8	-3511660	-3513065
G161	2883.843	9794049	9794596	-344.6848	-352.1039	-355.8134	-359.584	-366.942	-373.2482	-381.7801	-389.1992	-396.6183	-404.0373	88.533	229649.6	6488574	-0.553378	2.411127	-31.42225	138.0851	0.9996	-270350.4	-270458.6	-3511426	-3512831
G160	2883.553	9794046	9794595	-342.5988	-350.1474	-353.9216	-357.7581	-365.2445	-371.6607	-380.3415	-387.8901	-395.4386	-402.9871	90.078	230279.5	6488814	-0.553343	2.411244	-31.42152	138.0915	0.9996	-269720.5	-269828.4	-3511186	-3512591
BASE	2888	9794093	9794637	-361.1511	-367.8415	-371.1866	-374.5869	-381.2221	-386.9089	-394.6028	-401.2932	-407.9835	-414.6739	79.837	224070	6482856	-0.554254	2.410072	-31.45231	138.0513	0.9996	-275930	-276040.5	-3517144	-3518551
XXXX	2888	9794093	9794637	-368.4616	-374.881	-378.0908	-381.3533	-387.7199	-393.1764	-400.5587	-406.9781	-413.3975	-419.817	76.604	223950.4	6482866	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.6	-276160.1	-3517134	-3518541
G130	2885.861	9794070	9794633	-337.934	-346.1605	-350.2737	-354.4547	-362.6135	-369.606	-379.0664	-387.2929	-395.5194	-403.7459	98.168	232663.4	6483616	-0.55417	2.411658	-31.45058	138.104	0.9996	-267336.6	-267443.5	-3516384	-3517791
G129	2885.554	9794067	9794633	-339.4742	-347.7659	-351.9118	-356.1259	-364.3493	-371.3972	-380.9326	-389.2243	-397.516	-405.8076	98.946	232170	6483593	-0.554172	2.411567	-31.45062	138.1021	0.9996	-267830	-267937.2	-3516407	-3517814
G128	2885.646	9794068	9794633	-339.0125	-347.2843	-351.4203	-355.6243	-363.828	-370.859	-380.3716	-388.6434	-396.9152	-405.187	98.709	231625.4	6483583	-0.554171	2.411467	-31.4506	138.1001	0.9996	-268374.6	-268482	-3516417	-3517824
D4INT001	2886.798	9794080	9794634	-335.8664	-343.831	-347.8133	-351.8612	-359.7602	-366.5301	-375.6894	-383.654	-391.6186	-399.5832	95.043	231126.8	6483480	-0.554185	2.411374	-31.45089	138.0942	0.9996	-268873.2	-268980.8	-3516520	-3517927
D4INT002	2886.983	9794082	9794633	-338.8205	-346.5875	-350.4711	-354.4186	-362.1217	-368.7237	-377.6559	-385.423	-393.1901	-400.9572	92.686	230625.9	6483534	-0.554175	2.411282	-31.45068	138.0923	0.9996	-269374.1	-269481.9	-3516466	-3517873
G118	2886.699	9794079	9794633	-343.2839	-350.9822	-354.8314	-358.7439	-366.3788	-372.9223	-381.7754	-389.4737	-397.1719	-404.8702	91.865	230101.5	6483579	-0.554166	2.411186	-31.45049	138.0903	0.9996	-269898.5	-270006.6	-3516421	-3517828
G119	2886.021	9794072	9794629	-349.1413	-356.7602	-360.5697	-364.4419	-371.9981	-378.4741	-387.2359	-394.8548	-402.4738	-410.0927	90.918	230486	6484068	-0.55409	2.411259	-31.44493	138.0918	0.9996	-269514	-269621.8	-3515932	-3517339
G120	2884.436	9794055	9794626	-351.2256	-359.2743	-363.2987	-367.3893	-375.3718	-382.2132	-391.4693	-399.518	-407.5668	-415.6155	96.047	230599.4	6484475	-0.554027	2.411282	-31.44362	138.0923	0.9996	-269400.6	-269508.4	-3515525	-3516932
D2INT003	2885.521	9794067	9794636	-338.3192	-346.7693	-350.9944	-355.2891	-363.6696	-370.8522	-380.5699	-389.02	-397.4702	-405.9203	100.837	232391.7	6483211	-0.554233	2.411606	-31.45187	138.1029	0.9996	-267608.3	-267715.4	-3516789	-3518196
D4INT004	2886.407	9794076	9794639	-337.5708	-345.8364	-349.9692	-354.1701	-362.3676	-369.3934	-378.8989	-387.1645	-395.4301	-403.6957	98.635	232104.8	6482711	-0.55431	2.411551	-31.45347	138.1018	0.9996	-267895.2	-268002.4	-3517289	-3518696
D4INT005	2887.27	9794085	9794644	-332.2923	-340.5668	-344.704	-348.9094	-357.1157	-364.1491	-373.6647	-381.9392	-390.2137	-398.4882	98.741	231786.1	6482140	-0.554399	2.411489	-31.4553	138.1005	0.9996	-268213.9	-268321.2	-3517860	-3519267
D4INT006	2887.243	9794085	9794647	-332.5062	-340.9094	-345.1111	-349.3819	-357.716	-364.8588	-374.5226	-382.9259	-391.3292	-399.7325	100.278	231474.3	6481659	-0.554473	2.411429	-31.46083	138.0953	0.9996	-268525.7	-268633.2	-3518341	-3519749
D4INT007	2887.656	9794089	9794652	-326.7461	-335.3724	-339.6855	-344.0697	-352.625	-359.9573	-369.8775	-378.5038	-387.1301	-395.7564	102.939	231117.5	6481004	-0.554575	2.411361	-31.46293	138.0939	0.9996	-268882.5	-268990.1	-3518996	-3520404
D4INT008	2888.769	9794101	9794658	-316.3868	-325.1792	-329.5754	-334.044	-342.7639	-350.2375	-360.3487	-369.1411	-377.9335	-386.7258	104.921	230617.2	6480173	-0.554703	2.411265	-31.46558	138.0919	0.9996	-269382.8	-269490.6	-3519827	-3521235
D4INT009	2889.531	9794109	9794662	-307.1132	-316.1179	-320.6202	-325.1968	-334.1273	-341.7814	-352.1368	-361.1415	-370.1463	-379.151	107.455	230166	6479530	-0.554803	2.411178	-31.47163	138.0901	0.9996	-269834	-269942	-3520470	-3521878
D4INT010	2888.684	9794100	9794667	-313.7103	-322.9775	-327.6111	-332.321	-341.5119	-349.389	-360.0462	-369.3134	-378.5806	-387.8478	110.587	229637.3	6478858	-0.554906	2.411078	-31.47376	138.084	0.9996	-270362.7	-270470.9	-3521142	-3522551
D4INT011	2889.206	9794106	9794670	-305.6416	-315.126	-319.8682	-324.6885	-334.0948	-342.1566	-353.0636	-362.548	-372.0324	-381.5168	113.179	229275.9	6478383	-0.554979	2.411009	-31.47527	138.0826	0.9996	-270724.1	-270832.4	-3521617	-3523027
D4INT012	2888.339	9794096	9794675	-309.6999	-319.5546	-324.4819	-329.4904	-339.264	-347.6405	-358.9734	-368.8281	-378.6829	-388.5376	117.598	228886.8	6477687	-0.555087	2.410934	-31.4815	138.0811	0.9996	-271113.2	-271221.7	-3522313	-3523723
G083	2886.737	9794080	9794656	-345.2431	-353.7229	-357.9628	-362.2726	-370.6825	-377.8904	-387.6421	-396.122	-404.6018	-413.0816	101.191	227872.2	6480264	-0.554678	2.41076	-31.46505	138.0735	0.9996	-272127.8	-272236.7	-3519736	-3521144
G082	2887.06	9794083	9794657	-347.335	-355.6293	-359.7764	-363.9919	-372.2179	-379.268	-388.8064	-397.1007	-405.3949	-413.6892	98.977	227366.6	6480192	-0.554687	2.410666	-31.46524	138.0716	0.9996	-272633.4	-272742.4	-3519808	-3521217
G081	2888.404	9794097	9794658	-346.0183	-353.8933	-357.8308	-361.8332	-369.6434	-376.3371	-385.3934	-393.2684	-401.1435	-409.0185	93.974	226898.8	6479979	-0.554719	2.410579	-31.46589	138.0658	0.9996	-273101.2	-273210.5	-3520021	-3521430
G080	2888.168	9794095	9794658	-346.5509	-354.4896	-358.4589	-362.4935	-370.3668	-377.1146	-386.2441	-394.1827	-402.1213	-410.0599	94.733	226397.5	6479997	-0.554714	2.410487	-31.46579	138.0639	0.9996	-273602.5	-273712	-3520003	-3521411
G079	2889.162	9794105	9794659	-345.0522	-352.6806	-356.4948	-360.3719	-367.9374	-374.4216	-383.1942	-390.8226	-398.451	-406.0794	91.031	225765.3	6479906	-0.554725	2.41037	-31.47003	138.0614	0.9996	-274234.7	-274344.4	-3520094	-3521503
G078	2888.793	9794101	9794659	-349.7948	-357.4013	-361.2046	-365.0705	-372.6144	-379.0799	-387.8274	-395.4339	-403.0405	-410.647	90.77	225379.9	6479862	-0.554731	2.410299	-31.47014	138.056	0.9996	-274620.1	-274730	-3520138	-3521546
G077	2888.967	9794103	9794659	-350.4869	-358.0063	-361.766	-365.5876	-373.045	-379.4365	-388.0838	-395.6032	-403.1225	-410.6419	89.73	224907.3	6479829	-0.554734	2.410212	-31.47021	138.0542	0.9996	-275092.7	-275202.8	-3520171	-3521580
D4GRAVB/	2888	9794093	9794637	-368.5379	-374.9543	-378.1625	-381.4236	-387.7871	-393.2411	-400.6199	-407.0363	-413.4527	-419.8691	76.568	223950.4	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.6	-276160.1	-3517133	-3518541
BASE DUM	2888	9794093	9794637	-368.5379	-374.9543	-378.1625	-381.4236	-387.7871	-393.2411	-400.6199	-407.0363	-413.4527	-419.8691	76.568	223950.4	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.6	-276160.1	-3517133	-3518541
D5001	2893.041	9794146	9794596	-318.9479	-323.7305	-326.1218	-328.5525	-333.2958	-337.361	-342.861	-347.6437	-352.4263	-357.2089	57.072	216344.5	6488273	-0.553369	2.408678	-31.42206	138.0025	0.9996	-283655.5	-283769	-3511727	-3513132
D5002	2892.201	9794137	9794596	-331.2428	-335.8988	-338.2267	-340.593	-345.2106	-349.1682	-354.5225	-359.1784	-363.8343	-368.4903	55.56	215187.9	6488250	-0.553368	2.408465	-31.42204	137.5942	0.9996	-284812.1	-284926.1	-3511750	-3513155
D5003	2891.972	9794135	9794594	-322.9119	-327.8903	-330.3795	-332.9097	-337.8471	-342.0787	-347.8038	-352.7822	-357.7606	-362.739	59.408	215799.4	6488534	-0.553326	2.408579	-31.42117	138.0005	0.9996	-284200.6	-284314.3	-3511466	-3512871
D5004	2893.532	9794151	9794591	-314.0142	-318.6237	-320.9285	-323.2713	-327.8429	-331.7611	-337.0621	-341.6717	-346.2813	-350.8909	55.007	216219.1	6488883	-0.553273	2.408658	-31.42007	138.0021	0.9996	-283780.9	-283894.5	-3511117	-3512522
D5005	2893.269	9794149	9794589	-312.8331	-317.4985	-319.8313	-322.2024	-326.8295	-330.7952	-336.1605	-340.826	-345.4914	-350.1569	55.674	216596.1	6489229	-0.55322	2.408729	-31.41498	138.0036	0.9996	-283403.9	-283517.3	-3510771	-3512176
D5006	2893.084	9794147	9794586	-310.7002	-315.4094	-317.764	-320.1574	-324.8279	-328.8307	-334.2463	-338.9556	-343.6648	-348.374	56.196	216923.1	6489636	-0.553158	2.408791	-31.4137	138.0049	0.9996	-283076.9	-283190.2	-3510364	-3511769

D5007	2892.755	9794143	9794585	-310.5283	-315.3448	-317.753	-320.2009	-324.9778	-329.0718	-334.6107	-339.4272	-344.2437	-349.0602	57.476	217457.5	6489750	-0.553142	2.40889	-31.41337	138.0109	0.9996	-282542.5	-282655.5	-3510250	-3511655
D5008	2892.355	9794139	9794585	-312.661	-317.5481	-319.9916	-322.4754	-327.3222	-331.4762	-337.0963	-341.9833	-346.8704	-351.7574	58.318	218005.5	6489789	-0.553138	2.408991	-31.4133	138.013	0.9996	-281994.5	-282107.4	-3510211	-3511616
D5009	2892.107	9794136	9794585	-314.0559	-318.9856	-321.4504	-323.9559	-328.845	-333.0352	-338.7044	-343.6341	-348.5638	-353.4935	58.827	218553	6489813	-0.553137	2.409092	-31.41326	138.0151	0.9996	-281447	-281559.6	-3510187	-3511592
D5010	2890.968	9794124	9794584	-321.2995	-326.3693	-328.9042	-331.4808	-336.5089	-340.8183	-346.6486	-351.7184	-356.7882	-361.858	60.499	219458.2	6489972	-0.553116	2.409259	-31.41283	138.0225	0.9996	-280541.8	-280654.1	-3510028	-3511432
D5011	2890.609	9794120	9794584	-322.292	-327.4601	-330.0441	-332.6706	-337.7961	-342.1889	-348.1322	-353.3002	-358.4682	-363.6363	61.671	219946	6490002	-0.553113	2.409349	-31.41277	138.0244	0.9996	-280054	-280166.1	-3509998	-3511402
D5012	2891.21	9794127	9794585	-314.4158	-319.6601	-322.2822	-324.9476	-330.1487	-334.6063	-340.6372	-345.8815	-351.1258	-356.3701	62.581	220466.6	6489938	-0.553125	2.409444	-31.41303	138.0304	0.9996	-279533.4	-279645.2	-3510062	-3511466
D5013	2891.621	9794131	9794585	-308.4417	-313.7677	-316.4308	-319.1377	-324.4199	-328.9471	-335.0721	-340.3981	-345.7242	-351.0503	63.557	221053.2	6489870	-0.553138	2.409552	-31.4133	138.0326	0.9996	-278946.8	-279058.5	-3510130	-3511534
D5014	2891.492	9794130	9794585	-308.0105	-313.4121	-316.1129	-318.8581	-324.2152	-328.8066	-335.0184	-340.42	-345.8215	-351.2231	64.458	221526.4	6489847	-0.553144	2.409639	-31.41342	138.0344	0.9996	-278473.6	-278585.1	-3510153	-3511558
D5015	2891.112	9794126	9794586	-310.7452	-316.2145	-318.9492	-321.7289	-327.1531	-331.802	-338.0917	-343.561	-349.0303	-354.4996	65.266	222039.6	6489783	-0.553156	2.409733	-31.41367	138.0403	0.9996	-277960.4	-278071.7	-3510217	-3511622
D5016	2890.923	9794124	9794587	-311.6051	-317.1433	-319.9123	-322.727	-328.2196	-332.9271	-339.296	-344.8341	-350.3723	-355.9105	66.088	222574.9	6489696	-0.553172	2.409831	-31.414	138.0423	0.9996	-277425.1	-277536.1	-3510304	-3511709
D5017	2890.594	9794120	9794587	-313.0306	-318.6421	-321.4479	-324.2999	-329.8653	-334.6352	-341.0885	-346.7001	-352.3116	-357.9232	66.964	223096.2	6489717	-0.553171	2.409927	-31.41397	138.0443	0.9996	-276903.8	-277014.6	-3510283	-3511688
D5018	2889.945	9794113	9794588	-318.8724	-324.566	-327.4127	-330.3064	-335.953	-340.7925	-347.3401	-353.0337	-358.7272	-364.4207	67.942	223569	6489563	-0.553197	2.410013	-31.41452	138.0501	0.9996	-276431	-276541.6	-3510437	-3511842
D5019	2889.916	9794113	9794591	-320.2953	-326.0789	-328.9708	-331.9102	-337.6462	-342.5623	-349.2134	-354.9971	-360.7807	-366.5643	69.017	223705.5	6489075	-0.553275	2.410036	-31.42011	138.0506	0.9996	-276294.5	-276405	-3510925	-3512330
D5020	2889.226	9794106	9794595	-325.2265	-331.2367	-334.2418	-337.2963	-343.257	-348.3656	-355.2772	-361.2874	-367.2975	-373.3076	71.72	223716	6488550	-0.553357	2.410035	-31.42181	138.0505	0.9996	-276284	-276394.6	-3511450	-3512855
D5021	2889.087	9794104	9794598	-331.0765	-337.0393	-340.0207	-343.0512	-348.9649	-354.0333	-360.8905	-366.8533	-372.8161	-378.7789	71.155	223475.8	6488121	-0.553424	2.409989	-31.42319	138.0456	0.9996	-276524.2	-276634.8	-3511879	-3513285
D5022	2889.958	9794114	9794599	-326.6186	-332.4453	-335.3587	-338.32	-344.0987	-349.0514	-355.7521	-361.5788	-367.4055	-373.2322	69.531	222935.7	6487963	-0.553446	2.409889	-31.42365	138.0435	0.9996	-277064.3	-277175.2	-3512037	-3513443
D5023	2891.769	9794133	9794603	-322.3133	-327.7272	-330.4341	-333.1855	-338.5548	-343.1565	-349.3824	-354.7962	-360.21	-365.6239	64.604	220593.1	6487407	-0.553524	2.409455	-31.42525	138.0306	0.9996	-279406.9	-279518.7	-3512593	-3513999
D5024	2891.561	9794131	9794611	-317.4768	-323.4461	-326.4308	-329.4646	-335.3848	-340.4587	-347.3234	-353.2928	-359.2621	-365.2314	71.233	221013.6	6486300	-0.5537	2.409527	-31.43288	138.0321	0.9996	-278986.4	-279098.1	-3513700	-3515106
D5025	2893.072	9794147	9794613	-316.1271	-321.6175	-324.3627	-327.1531	-332.5983	-337.2652	-343.5791	-349.0695	-354.5599	-360.0503	65.518	221072.8	6486088	-0.553733	2.409537	-31.43357	138.0323	0.9996	-278927.2	-279038.8	-3513912	-3515318
D5026	2891.993	9794135	9794617	-318.7328	-324.7072	-327.6944	-330.7307	-336.6559	-341.7341	-348.6046	-354.579	-360.5533	-366.5277	71.293	221124.8	6485484	-0.553828	2.409543	-31.43553	138.0324	0.9996	-278875.2	-278986.8	-3514516	-3515922
D5027	2892.824	9794144	9794620	-318.2525	-324.0225	-326.9075	-329.8399	-335.5624	-340.4669	-347.1023	-352.8723	-358.6423	-364.4122	68.854	221168.6	6485110	-0.553887	2.40955	-31.44075	138.0325	0.9996	-278831.4	-278942.9	-3514890	-3516296
D5028	2892.805	9794144	9794622	-318.0643	-323.9383	-326.8753	-329.8607	-335.6864	-340.6793	-347.4345	-353.3085	-359.1826	-365.0566	70.096	221160.7	6484773	-0.55394	2.409546	-31.44184	138.0325	0.9996	-278839.3	-278950.9	-3515227	-3516634
D5029	2891.936	9794135	9794611	-325.7394	-331.2658	-334.0291	-336.8378	-342.3187	-347.0162	-353.3716	-358.898	-364.4245	-369.9509	65.948	220384	6486265	-0.553703	2.409411	-31.43294	138.0257	0.9996	-279616	-279727.9	-3513735	-3515141
D5030	2892.377	9794139	9794612	-323.1833	-328.6504	-331.384	-334.1625	-339.5846	-344.2317	-350.5189	-355.986	-361.4531	-366.9202	65.24	220658.9	6486205	-0.553713	2.409461	-31.43315	138.0307	0.9996	-279341.1	-279452.8	-3513795	-3515201
D5031	2892.858	9794144	9794612	-317.6553	-323.1462	-325.8917	-328.6824	-334.1281	-338.7953	-345.1099	-350.6008	-356.0917	-361.5826	65.524	220903.6	6486183	-0.553718	2.409506	-31.43325	138.0316	0.9996	-279096.4	-279208.1	-3513817	-3515223
D5032	2892.38	9794139	9794599	-309.7852	-315.2728	-318.0166	-320.8055	-326.2479	-330.9123	-337.223	-342.7106	-348.1981	-353.6857	65.484	220991.5	6487974	-0.553436	2.409531	-31.42344	138.0322	0.9996	-279008.5	-279120.1	-3512026	-3513431
D5033	2892.321	9794139	9794596	-305.7018	-311.2416	-314.0116	-316.8271	-322.3213	-327.0302	-333.401	-338.9409	-344.4807	-350.0206	66.108	220997.4	6488425	-0.553366	2.409535	-31.42198	138.0322	0.9996	-279002.6	-279114.3	-3511575	-3512981
D5034	2892.002	9794135	9794592	-305.3685	-310.9038	-313.6715	-316.4847	-321.9745	-326.6795	-333.0451	-338.5804	-344.1158	-349.6511	66.054	220969.5	6488951	-0.553283	2.409532	-31.42027	138.0322	0.9996	-279030.5	-279142.1	-3511049	-3512454
D5035	2891.943	9794135	9794588	-306.4086	-311.8002	-314.4959	-317.2361	-322.5832	-327.166	-333.3663	-338.7578	-344.1493	-349.5408	64.338	220992.7	6489434	-0.553207	2.409539	-31.41471	138.0323	0.9996	-279007.3	-279119	-3510566	-3511971
D5036	2888	9794093	9794637	-368.5161	-374.9333	-378.1419	-381.4034	-387.7678	-393.2224	-400.6023	-407.0195	-413.4367	-419.854	76.578	223950.2	6482867	-0.554252	2.41005	-31.45227	138.0509	0.9996	-276049.8	-276160.3	-3517133	-3518541
BM 8782	2892.669	9794142	9794596	-326.9126	-331.5451	-333.8614	-336.2158	-340.8102	-344.7479	-350.0753	-354.7079	-359.3404	-363.973	55.281	215188.8	6488252	-0.553368	2.408465	-31.42203	137.5942	0.9996	-284811.2	-284925.2	-3511748	-3513153
D6002	2892.367	9794139	9794594	-331.6184	-336.1305	-338.3866	-340.6798	-345.1548	-348.9901	-354.179	-358.6912	-363.2033	-367.7154	53.844	214751.7	6488484	-0.553329	2.408386	-31.42124	137.5925	0.9996	-285248.3	-285362.5	-3511516	-3512921
D6003	2892.016	9794135	9794591	-335.2154	-339.6361	-341.8465	-344.0932	-348.4775	-352.2351	-357.3189	-361.7396	-366.1603	-370.581	52.753	214370.2	6488833	-0.553273	2.408318	-31.42007	137.5911	0.9996	-285629.8	-285744.1	-3511167	-3512572
D6004	2891.486	9794130	9794589	-338.5534	-342.9674	-345.1745	-347.4179	-351.7956	-355.5476	-360.6238	-365.0378	-369.4519	-373.866	52.674	213945.7	6489160	-0.55322	2.408241	-31.41497	137.5855	0.9996	-286054.3	-286168.8	-3510840	-3512245
D6005	2891.105	9794126	9794587	-342.6896	-347.0237	-349.1907	-351.3934	-355.6918	-359.3757	-364.3599	-368.6939	-373.028	-377.362	51.719	213467.2	6489432	-0.553175	2.408155	-31.41405	137.5838	0.9996	-286532.8	-286647.4	-3510568	-3511973
D6006	2890.615	9794121	9794585	-346.3067	-350.6191	-352.7753	-354.9671	-359.244	-362.9096	-367.8688	-372.1813	-376.4937	-380.8061	51.461	212938.6	6489714	-0.553128	2.408059	-31.41308	137.5818	0.9996	-287061.4	-287176.3	-3510286	-3511690
D6007	2890.694	9794121	9794582	-347.4665	-351.6219	-353.6996	-355.8115	-359.9327	-363.4648	-368.2435	-372.3989	-376.5543	-380.7097	49.587	212482.6	6490016	-0.553078	2.407977	-31.41206	137.5801	0.9996	-287517.4	-287632.5	-3509984	-3511388
D6008	2890.254	9794117	9794582	-353.9629	-358.0356	-360.0719	-362.1418	-366.181	-369.6427	-374.3263	-378.399	-382.4717	-386.5444	48.6	211928.4	6490060	-0.553069	2.407875	-31.41187	137.574	0.9996	-288071.6	-288186.9	-3509940	-3511345
D6009	2889.903	9794113	9794581	-359.4131	-363.3706	-365.3493	-367.3606	-371.2855	-374.6493	-379.2004	-383.1579	-387.1153	-391.0728	47.225	211479.3	6490241	-0.553039	2.407793	-31.41124	137.5723	0.9996	-288520.7	-288636.1	-3509759	-3511163
D6010	2888.992	9794103	9794581	-372.4643	-376.295	-378.2103	-380.1572	-383.9563	-387.2124	-391.6176	-395.4483	-399.279	-403.1096	45.712	210644.9	6490225	-0.553038	2.40764	-31.41122	137.5651	0.9996	-289355.1	-289470.9	-3509775	-3511179
D6011	2888.642	9794100	9794580	-379.6712	-383.3612	-385.2062	-387.0815	-390.7411	-393.8776	-398.1211	-401.811	-405.501	-409.191	44.033	209900.6	6490252	-0.55303	2.407503	-31.41106	137.5623	0.9996	-290099.4	-290215.5	-3509748	-3511152
D6012	2888.141	9794094	9794582	-386.9315	-390.6305	-392.48	-394.36	-398.0285	-401.1727	-405.4266	-409.1256	-412.8246	-416.5236	44.141	209419.3	6489935	-0.553078	2.407413	-31.41205	137.5605	0.9996	-290580.7	-290697	-3510065	-3511469
D6013	2888.301	9794096	9794583	-388.284	-391.8773	-393.674	-395.5003	-399.064	-402.1184	-406.2507	-409.8441	-413.4374	-417.0308	42.88	208862.8	6489899	-0.553081	2.40731	-31.41212	137.5543	0.9996	-291137.2	-291253.7	-3510101	-3511506
D6014	2888.83	9794102	9794585	-386.5391	-390.0942	-391.8718	-393.6786	-397.2045	-400.2263	-404.3147	-407.8698	-411.425	-414.9801	42.424	208550.3	6489503	-0.553142	2.407251	-31.41337	137.5531	0.9996	-291449.7	-291566.4	-3510497	-3511902
D6015	2889.46	9794108	9794588	-382.1533	-385.7122	-387.4917	-389.3005	-392.8301	-395.8551	-399.9479	-403.5068	-407.0657	-410.6246	42.469	208168.4	6489165	-0.553193	2.407179	-31.41443	137.5516	0.9996	-291831.6	-291948.4	-3510835	-3512240
D6016	2890.079	9794115	9794589	-374.7253	-378.3499	-380.1622	-382.0043	-385.5991	-388.68	-392.8483	-396.4729	-400.0975	-403.7221	43.253	207634.4	6489023	-0.553213	2.40708	-31.41484	137.5456	0.9996	-292365.7	-292482.6	-3510977	-3512382
D6017	2890.049	9794115	9794592	-375.6581	-379.3893	-381.2548	-383.1511	-386.8515	-390.0229	-394.3137	-398.0448	-401.7759	-405.507	44.524	207395	6488532	-0.553289	2.407033	-31.42041	137.5446	0.9996	-292605	-292722.1	-3511468	-3512873
D6018	2890.878	9794123	9794596	-370.3146	-374.0504	-375.9183	-377.8169	-381.522	-384.6974	-388.9936	-392.7294	-396.4652	-400.201	44.58	207149.3	6488035	-0.553366	2.406985	-31.422	137.5436	0.9996	-292850.7	-292967.9	-3511965	-3513370
D6019	2891.248	9794127	9794597	-365.5093	-369.3362	-371.2497	-373.1946	-376.99	-380.2429	-384.6438	-388.4707	-392.2976	-396.1245	45.667	206626.1	6487801	-0.553401	2.406888	-31.42271	137.5416	0.9996	-293373.9	-293491.3	-3512199	-3513605
BM 8782	2892.669	9794142	9794596	-326.9126	-331.5451	-333.8614	-336.2158	-340.8102	-344.7479	-350.0753	-354.7079	-359.3404	-363.973	55.281	215188.8	6488252	-0.553368	2.408465	-31.42203	137.5942	0.9996	-284811.2	-284925.2	-3511748	-3513153

sigma	Phi'	Sec(Phi')	rho'	Nu'	Phi'	t'/K0rho'	E'/K0/Nu'	R^3	R^5	t'	t'2	t'4	t'6	Psi	Psi2	Psi3	Psi4	term1	term2	term3	term1	term2	term3	latitude DDD.ddd	Longitude DDD.ddd
-0.561006	-0.563278	1.182719	6353643	6384256	-0.563278	-9.94E-08	-0.039227	-6.04E-05	-9.29E-08	-0.631525	0.398824	0.159061	0.063437	1.004818	1.009659	1.014524	1.019412	0.000488	-3.87E-07	3.33E-10	-0.046394	2.14E-05	-1.83E-08	32.2455	138.343
-0.561058	-0.563331	1.182758	6353646	6384257	-0.563331	-9.94E-08	-0.039412	-6.12E-05	-9.51E-08	-0.631599	0.398917	0.159135	0.063482	1.004818	1.009659	1.014523	1.019411	0.000493	-3.95E-07	3.43E-10	-0.046615	2.18E-05	-1.88E-08	32.24825	138.3304
-1.535925	-1.5361	28.82743	6399539	6399591	-1.5361	-4.50E-06	0.935257	0.818075	0.715575	-28.81008	830.0206	688934.2	5.72E+08	1.000008	1.000016	1.000024	1.000032	12.60027	-2291.562	832206	26.96106	-6528.721	2846288	-47551226	1.63E+08
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043257	-8.09E-05	-1.51E-07	-0.619776	0.384122	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.77E-10	-0.050892	2.81E-05	-2.87E-08	31.75628	138.0857
-0.552553	-0.554807	1.176468	6353156	6384093	-0.554807	-9.76E-08	-0.04325	-8.09E-05	-1.51E-07	-0.619739	0.384076	0.147515	0.056657	1.004869	1.009763	1.01468	1.01962	0.000582	-5.58E-07	5.77E-10	-0.050883	2.81E-05	-2.87E-08	31.75476	138.0862
-0.552555	-0.554808	1.176469	6353156	6384093	-0.554808	-9.76E-08	-0.043182	-8.05E-05	-1.50E-07	-0.61974	0.384078	0.147516	0.056658	1.004869	1.009763	1.01468	1.01962	0.000581	-5.54E-07	5.71E-10	-0.050802	2.80E-05	-2.85E-08	31.75494	138.0909
-0.552563	-0.554817	1.176475	6353157	6384093	-0.554817	-9.76E-08	-0.0431	-8.01E-05	-1.49E-07	-0.619752	0.384093	0.147527	0.056664	1.004869	1.009762	1.014679	1.01962	0.000578	-5.50E-07	5.65E-10	-0.050706	2.78E-05	-2.82E-08	31.75554	138.0963
-0.552533	-0.554787	1.176453	6353155	6384092	-0.554787	-9.76E-08	-0.043111	-8.01E-05	-1.49E-07	-0.619711	0.384041	0.147488	0.056641	1.00487	1.009763	1.01468	1.019621	0.000579	-5.50E-07	5.66E-10	-0.050719	2.79E-05	-2.82E-08	31.7538	138.0956
-0.552502	-0.554755	1.17643	6353153	6384092	-0.554755	-9.76E-08	-0.043033	-7.97E-05	-1.48E-07	-0.619667	0.383988	0.147447	0.056618	1.00487	1.009763	1.01468	1.019622	0.000577	-5.46E-07	5.60E-10	-0.050625	2.77E-05	-2.80E-08	31.75215	138.101
-0.552484	-0.554738	1.176417	6353152	6384091	-0.554738	-9.76E-08	-0.042956	-7.93E-05	-1.46E-07	-0.619643	0.383957	0.147423	0.056604	1.00487	1.009763	1.014681	1.019622	0.000574	-5.42E-07	5.54E-10	-0.050534	2.76E-05	-2.77E-08	31.75124	138.1062
-0.552448	-0.554702	1.176391	6353150	6384091	-0.554702	-9.76E-08	-0.042878	-7.88E-05	-1.45E-07	-0.619593	0.383896	0.147376	0.056577	1.00487	1.009764	1.014681	1.019623	0.000572	-5.38E-07	5.47E-10	-0.050441	2.74E-05	-2.75E-08	31.74931	138.1115
-0.552421	-0.554675	1.176371	6353149	6384090	-0.554675	-9.76E-08	-0.04284	-7.86E-05	-1.44E-07	-0.619556	0.383849	0.14734	0.056557	1.00487	1.009764	1.014682	1.019624	0.000571	-5.36E-07	5.44E-10	-0.050395	2.73E-05	-2.73E-08	31.74782	138.1141
-0.552393	-0.554646	1.17635	6353147	6384090	-0.554646	-9.76E-08	-0.042748	-7.81E-05	-1.43E-07	-0.619516	0.3838	0.147302	0.056535	1.00487	1.009765	1.014682	1.019624	0.000569	-5.32E-07	5.37E-10	-0.050287	2.71E-05	-2.70E-08	31.74632	138.1203
-0.55235	-0.554603	1.176319	6353145	6384089	-0.554603	-9.75E-08	-0.042683	-7.78E-05	-1.42E-07	-0.619456	0.383726	0.147246	0.056502	1.004871	1.009765	1.014683	1.019625	0.000567	-5.28E-07	5.32E-10	-0.050209	2.70E-05	-2.68E-08	31.74395	138.1248
-0.552329	-0.554582	1.176304	6353144	6384088	-0.554582	-9.75E-08	-0.042597	-7.73E-05	-1.40E-07	-0.619427	0.38369	0.147218	0.056486	1.004871	1.009765	1.014684	1.019626	0.000565	-5.24E-07	5.26E-10	-0.050107	2.69E-05	-2.66E-08	31.74287	138.1306
-0.552293	-0.554546	1.176277	6353141	6384088	-0.554546	-9.75E-08	-0.042529	-7.69E-05	-1.39E-07	-0.619378	0.383629	0.147171	0.056459	1.004871	1.009766	1.014684	1.019627	0.000563	-5.21E-07	5.21E-10	-0.050026	2.67E-05	-2.63E-08	31.74093	138.1353
-0.552364	-0.554617	1.176329	6353146	6384089	-0.554617	-9.75E-08	-0.04249	-7.67E-05	-1.38E-07	-0.619476	0.383751	0.147265	0.056513	1.004871	1.009765	1.014683	1.019625	0.000562	-5.19E-07	5.18E-10	-0.049982	2.67E-05	-2.62E-08	31.74507	138.1378
-0.552438	-0.554692	1.176384	6353150	6384090	-0.554692	-9.76E-08	-0.042501	-7.68E-05	-1.39E-07	-0.619579	0.383879	0.147363	0.056569	1.00487	1.009764	1.014682	1.019623	0.000562	-5.20E-07	5.19E-10	-0.049997	2.67E-05	-2.63E-08	31.74931	138.1369
-0.552528	-0.554782	1.176449	6353155	6384092	-0.554782	-9.76E-08	-0.042518	-7.69E-05	-1.39E-07	-0.619704	0.384033	0.147481	0.056638	1.00487	1.009763	1.01468	1.019621	0.000563	-5.21E-07	5.21E-10	-0.05002	2.67E-05	-2.63E-08	31.75444	138.1356
-0.552555	-0.554808	1.176469	6353156	6384093	-0.554808	-9.76E-08	-0.042512	-7.68E-05	-1.39E-07	-0.619741	0.384079	0.147516	0.056658	1.004869	1.009763	1.01468	1.01962	0.000563	-5.20E-07	5.20E-10	-0.050014	2.67E-05	-2.63E-08	31.75597	138.136
-0.552623	-0.554877	1.176519	6353160	6384094	-0.554877	-9.76E-08	-0.042495	-7.67E-05	-1.39E-07	-0.619836	0.384196	0.147607	0.05671	1.004869	1.009762	1.014678	1.019619	0.000562	-5.20E-07	5.19E-10	-0.049997	2.67E-05	-2.63E-08	31.75991	138.1369
-0.552721	-0.554975	1.17659	6353166	6384096	-0.554975	-9.76E-08	-0.042484	-7.67E-05	-1.38E-07	-0.619972	0.384365	0.147736	0.056785	1.004868	1.009761	1.014676	1.019616	0.000562	-5.19E-07	5.19E-10	-0.049986	2.67E-05	-2.63E-08	31.76555	138.1375
-0.552812	-0.555066	1.176656	6353171	6384098	-0.555066	-9.76E-08	-0.042484	-7.67E-05	-1.38E-07	-0.620097	0.384521	0.147856	0.056854	1.004868	1.009759	1.014675	1.019614	0.000562	-5.19E-07	5.19E-10	-0.049989	2.67E-05	-2.63E-08	31.77075	138.1374
-0.552896	-0.55515	1.176718	6353176	6384099	-0.55515	-9.77E-08	-0.042486	-7.67E-05	-1.38E-07	-0.620214	0.384665	0.147967	0.056918	1.004867	1.009758	1.014673	1.019612	0.000562	-5.20E-07	5.19E-10	-0.049995	2.67E-05	-2.63E-08	31.77557	138.1371
-0.55297	-0.555224	1.176772	6353180	6384101	-0.555224	-9.77E-08	-0.042607	-7.73E-05	-1.40E-07	-0.620316	0.384792	0.148065	0.056974	1.004867	1.009758	1.014672	1.01961	0.000566	-5.26E-07	5.28E-10	-0.050139	2.69E-05	-2.67E-08	31.77961	138.1288
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-0.552818	-0.555072	1.176661	6353172	6384098	-0.555072	-9.76E-08	-0.042806	-7.84E-05	-1.44E-07	-0.620106	0.384531	0.147864	0.056859	1.004868	1.009759	1.014675	1.019614	0.000571	-5.35E-07	5.43E-10	-0.050368	2.73E-05	-2.73E-08	31.77062	138.1157
-0.552829	-0.555083	1.176669	6353172	6384098	-0.555083	-9.76E-08	-0.042889	-7.89E-05	-1.45E-07	-0.620121	0.38455	0.147879	0.056867	1.004868	1.009759	1.014674	1.019614	0.000573	-5.40E-07	5.49E-10	-0.050466	2.74E-05	-2.76E-08	31.77111	138.1101
-0.55284	-0.555094	1.176677	6353173	6384098	-0.555094	-9.76E-08	-0.042957	-7.93E-05	-1.46E-07	-0.620136	0.384569	0.147893	0.056875	1.004868	1.009759	1.014674	1.019613	0.000575	-5.43E-07	5.54E-10	-0.050546	2.76E-05	-2.78E-08	31.77163	138.1055
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-0.552781	-0.555035	1.176634	6353169	6384097	-0.555035	-9.76E-08	-0.043072	-7.99E-05	-1.48E-07	-0.620054	0.384467	0.147815	0.05683	1.004868	1.00976	1.014675	1.019615	0.000578	-5.49E-07	5.63E-10	-0.05068	2.78E-05	-2.81E-08	31.76806	138.0978
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-0.552649	-0.554903	1.176538	6353162	6384094	-0.554903	-9.76E-08	-0.043139	-8.03E-05	-1.49E-07	-0.619872	0.384241	0.147641	0.05673	1.004869	1.009761	1.014678	1.019618	0.00058	-5.52E-07	5.68E-10	-0.050755	2.79E-05	-2.83E-08	31.76042	138.0936
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-0.552872	-0.555126	1.1767	6353175	6384099	-0.555126	-9.77E-08	-0.043527	-8.25E-05	-1.56E-07	-0.620181	0.384624	0.147936	0.0569	1.004868	1.009759	1.014674	1.019613	0.00059	-5.72E-07	6.00E-10	-0.051218	2.87E-05	-2.97E-08	31.77259	138.0671
-0.552941	-0.555196	1.176751	6353179	6384100	-0.555196	-9.77E-08	-0.043548	-8.26E-05	-1.57E-07	-0.620277	0.384743	0.148027	0.056952	1.004867	1.009758	1.014672	1.019611	0.000591	-5.74E-07	6.02E-10	-0.051245	2.87E-05	-2.97E-08	31.77653	138.0655
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-0.553061	-0.555316	1.176839	6353186	6384102	-0.555316	-9.77E-08	-0.043597	-8.29E-05	-1.57E-07	-0.620443	0.38495	0.148186	0.057044	1.004866	1.009756	1.01467	1.019608	0.000593	-5.76E-07	6.06E-10	-0.051306	2.88E-05	-2.99E-08	31.78333	138.062
-0.553103	-0.555358	1.17687	6353188	6384103	-0.555358	-9.77E-08	-0.043625	-8.30E-05	-1.58E-07	-0.620501	0.385022	0.148242	0.057076	1.004866	1.009756	1.014669	1.019607	0.000593	-5.78E-07	6.09E-10	-0.051341	2.89E-05	-3.00E-08	31.78569	138.06
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-0.553217	-0.555472	1.176953	6353195	6384105	-0.555472	-9.77E-08	-0.043688	-8.34E-05	-1.59E-07	-0.62066	0.385219	0.148394	0.057164	1.004865	1.009754	1.014667	1.019604	0.000595	-5.82E-07	6.15E-10	-0.051419	2.90E-05	-3.03E-08	31.79215	138.0556
-0.553261	-0.555516	1.176985	6353197	6384106	-0.555516	-9.77E-08	-0.043699	-8.34E-05	-1.59E-07	-0.62072	0.385294	0.148451	0.057197	1.004865	1.009754	1.014667	1.019603	0.000596	-5.82E-07	6.16E-10	-0.051433	2.91E-05	-3.03E-08	31.79463	138.0547
-0.553335	-0.55559	1.177039	6353201	6384108	-0.55559	-9.78E-08	-0.043783	-8.39E-05	-1.61E-07	-0.620823	0.385422	0.14855	0.057254	1.004865	1.009753	1.014665	1.019601	0.000598	-5.87E-07	6.23E-10	-0.051535	2.92E-05	-3.06E-08	31.79876	138.049
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-0.553556	-0.555812	1.177201	6353214	6384112	-0.555812	-9.78E-08	-0.043927	-8.48E-05	-1.64E-07	-0.62113	0.385802	0.148844	0.057424	1.004863	1.00975	1.014661	1.019596	0.000602	-5.95E-07	6.36E-10	-0.05171	2.95E-05	-3.12E-08	31.81119	138.0389
-0.5536	-0.555856	1.177234	6353217	6384113	-0.555856	-9.78E-08	-0.044025	-8.53E-05	-1.65E-07	-0.621192	0.38588	0.148903	0.057459	1.004863	1.00975	1.01466	1.019595	0.000605	-6.00E-07	6.45E-10	-0.051828	2.97E-05	-3.15E-08	31.8136	138.0322
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-0.553146	-0.555401	1.176901	6353190	6384104	-0.555401	-9.77E-08	-0.043248	-8.09E-05	-1.51E-07	-0.620561	0.385096	0.148299	0.05711	1.004866	1.009755	1.014669	1.019606	0.000583	-5.58E-07	5.78E-10	-0.050899	2.82E-05	-2.88E-08	31.78876	138.0853
-0.553057	-0.555312	1.176836	6353185	6384102	-0.555312	-9.77E-08	-0.043256	-8.09E-05	-1.51E-07	-0.620438	0.384943	0.148181	0.057041	1.004866	1.009756	1.01467	1.019608	0.000583	-5.59E-07	5.79E-10	-0.050906	2.82E-05	-2.88E-08	31.78365	138.0849
-0.553065	-0.55532	1.176842	6353186	6384102	-0.55532	-9.77E-08	-0.043351	-8.15E-05	-1.53E-07	-0.620449	0.384957	0.148192	0.057048	1.004866	1.009756	1.01467	1.019608	0.000586	-5.64E-07	5.86E-10	-0.051017	2.84E-05	-2.91E-08	31.78397	138.0786
-0.55306	-0.555315	1.176838	6353185	6384102	-0.555315	-9.77E-08	-0.043426	-8.19E-05	-1.54E-07	-0.620442	0.384948	0.148185	0.057043	1.004866	1.009756	1.01467	1.019608	0.000588	-5.67E-07	5.92E-10	-0.051105	2.85E-05	-2.93E-08	31.78354	138.0735
-0.553052	-0.555307	1.176832	6353185	6384102	-0.555307	-9.77E-08	-0.043501	-8.23E-05	-1.56E-07	-0.620431	0.384934	0.148175	0.057037	1.004866	1.009757	1.01467	1.019608	0.00059	-5.71E-07	5.98E-10	-0.051193	2.87E-05	-2.96E-08	31.78298	138.0685
-0.553134	-0.555389	1.176892	6353190	6384104	-0.555389	-9.77E-08	-0.043402	-8.18E-05	-1.54E-07	-0.620545	0.385076	0.148283	0.0571	1.004866	1.009756	1.014669	1.019606	0.000587	-5.66E-07	5.91E-10	-0.051079	2.85E-05	-2.93E-08	31.78783	138.075
-0.553221	-0.555477	1.176956	6353195	6384105	-0.555477	-9.77E-08	-0.04331	-8.12E-05	-1.52E-07	-0.620666	0.385226	0.148399	0.057167	1.004865	1.009754	1.014667	1.019604	0.000585	-5.62E-07	5.83E-10	-0.050974	2.83E-05	-2.90E-08	31.79298	138.081
-0.553298	-0.555553	1.177012	6353199	6384107	-0.555553	-9.77E-08	-0.043347	-8.14E-05	-1.53E-07	-0.620772	0.385358	0.148501	0.057226	1.004865	1.009754	1.014666	1.019602	0.000586	-5.64E-07	5.87E-10	-0.05102	2.84E-05	-2.91E-08	31.79732	138.0784
-0.553369	-0.555624	1.177064	6353203	6384108	-0.555624	-9.78E-08	-0.043382	-8.16E-05	-1.54E-07	-0.620871	0.38548	0.148595	0.05728	1.004864	1.009753	1.014665	1.0196	0.000587	-5.66E-07	5.90E-10	-0.051063	2.84E-05	-2.92E-08	31.80133	138.0759
-0.553443	-0.555699	1.177119	6353207	6384110	-0.555699	-9.78E-08	-0.043428	-8.19E-05	-1.54E-07	-0.620974	0.385609	0.148694	0.057338	1.004864	1.009752	1.014663	1.019599	0.000588	-5.68E-07	5.93E-10	-0.05112	2.85E-05	-2.94E-08	31.80552	138.0727
-0.553536	-0.555791	1.177186	6353213	6384112	-0.555791	-9.78E-08	-0.043396	-8.17E-05	-1.54E-07	-0.621102	0.385768	0.148817	0.057409	1.004863	1.009751	1.014662	1.019596	0.000588	-5.67E-07	5.91E-10	-0.051085	2.85E-05	-2.93E-08	31.81086	138.0747
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-0.552961	-0.555216	1.176766	6353180	6384100	-0.555216	-9.77E-08	-0.042272	-7.55E-05	-1.35E-07	-0.620304	0.384777	0.148054	0.056968	1.004867	1.009758	1.014672	1.01961	0.000557	-5.09E-07	5.04E-10	-0.049745	2.63E-05	-2.56E-08	31.77963	138.1514
-0.552949	-0.555203	1.176757	6353179	6384100	-0.555203	-9.77E-08	-0.042331	-7.59E-05	-1.36E-07	-0.620287	0.384756	0.148037	0.056958	1.004867	1.009758	1.014672	1.019611	0.000558	-5.12E-07	5.08E-10	-0.049814	2.64E-05	-2.58E-08	31.77883	138.1474
-0.552973	-0.555228	1.176775	6353181	6384101	-0.555228	-9.77E-08	-0.042401	-7.62E-05	-1.37E-07	-0.620321	0.384799	0.14807	0.056977	1.004867	1.009757	1.014672	1.01961	0.00056	-5.16E-07	5.13E-10	-0.049897	2.65E-05	-2.60E-08	31.78014	138.1426
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-0.55299	-0.555245	1.176787	6353181	6384101	-0.555245	-9.77E-08	-0.042561	-7.71E-05	-1.40E-07	-0.620345	0.384827	0.148092	0.05699	1.004867	1.009757	1.014672	1.01961	0.000565	-5.24E-07	5.25E-10	-0.050086	2.68E-05	-2.65E-08	31.78085	138.1318
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384123	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.7563	138.0857
-0.551734	-0.553986	1.17587	6353109	6384077	-0.553986	-9.74E-08	-0.044631	-8.89E-05	-1.77E-07	-0.618603	0.38267	0.146436	0.056037	1.004874	1.009773	1.014695	1.019641	0.000619	-6.31E-07	6.94E-10	-0.05248	3.08E-05	-3.34E-08	31.70563	137.9949
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-0.551564	-0.553815	1.175745	6353100	6384074	-0.553815	-9.74E-08	-0.043995	-8.52E-05	-1.65E-07	-0.618367	0.382377	0.146212	0.055908	1.004875	1.009775	1.014698	1.019645	0.000601	-5.95E-07	6.36E-10	-0.051727	2.95E-05	-3.11E-08	31.69685	138.038
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-0.551503	-0.553755	1.175702	6353096	6384072	-0.553755	-9.74E-08	-0.043865	-8.44E-05	-1.62E-07	-0.618283	0.382274	0.146134	0.055863	1.004876	1.009775	1.014699	1.019646	0.000598	-5.88E-07	6.25E-10	-0.051573	2.93E-05	-3.06E-08	31.69359	138.0468
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-0.551723	-0.553975	1.175862	6353109	6384077	-0.553975	-9.74E-08	-0.04389	-8.45E-05	-1.63E-07	-0.618587	0.38265	0.146421	0.056028	1.004874	1.009773	1.014695	1.019641	0.000599	-5.90E-07	6.28E-10	-0.051608	2.93E-05	-3.08E-08	31.70615	138.0447
-0.5518	-0.554052	1.175918	6353113	6384078	-0.554052	-9.74E-08	-0.043851	-8.43E-05	-1.62E-07	-0.618694	0.382782	0.146522	0.056086	1.004874	1.009772	1.014693	1.019639	0.000598	-5.88E-07	6.25E-10	-0.051565	2.93E-05	-3.06E-08	31.71061	138.0472
-0.55188	-0.554132	1.175976	6353118	6384080	-0.554132	-9.74E-08	-0.043903	-8.46E-05	-1.63E-07	-0.618805	0.38292	0.146627	0.056146	1.004874	1.009771	1.014692	1.019637	0.000599	-5.91E-07	6.29E-10	-0.051629	2.94E-05	-3.08E-08	31.71512	138.0436
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-0.551958	-0.55421	1.176033	6353122	6384081	-0.55421	-9.75E-08	-0.043985	-8.43E-05	-1.62E-07	-0.618913	0.383054	0.14673	0.056206	1.004873	1.00977	1.01469	1.019635	0.000598	-5.88E-07	6.25E-10	-0.05157	2.93E-05	-3.07E-08	31.7197	138.047
-0.552036	-0.554289	1.17609	6353127	6384083	-0.554289	-9.75E-08	-0.043818	-8.41E-05	-1.62E-07	-0.619021	0.383187	0.146833	0.056264	1.004873	1.009769	1.014689	1.019633	0.000597	-5.86E-07	6.22E-10	-0.051534	2.92E-05	-3.06E-08	31.72421	138.049
-0.552119	-0.554372	1.17615	6353131	6384084	-0.554372	-9.75E-08	-0.043798	-8.40E-05	-1.61E-07	-0.619136	0.38333	0.146942	0.056327	1.004872	1.009768	1.014687	1.019631	0.000597	-5.85E-07	6.21E-10	-0.051513	2.92E-05	-3.05E-08	31.729	138.0502
-0.552115	-0.554367	1.176147	6353131	6384084	-0.554367	-9.75E-08	-0.043904	-8.46E-05	-1.63E-07	-0.619131	0.383323	0.146936	0.056324	1.004872	1.009768	1.014688	1.019631	0.0006	-5.91E-07	6.30E-10	-0.051637	2.94E-05	-3.09E-08	31.7286	138.0431
-0.552178	-0.554431	1.176193	6353135	6384085	-0.554431	-9.75E-08	-0.043852	-8.43E-05	-1.62E-07	-0.619218	0.383431	0.147019	0.056372	1.004872	1.009767	1.014686	1.01963	0.000598	-5.89E-07	6.26E-10	-0.051579	2.93E-05	-3.07E-08	31.7323	138.0464
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-0.552353	-0.554606	1.176321	6353145	6384089	-0.554606	-9.75E-08	-0.043898	-8.46E-05	-1.63E-07	-0.619461	0.383732	0.14725	0.056505	1.004871	1.009765	1.014683	1.019625	0.0006	-5.91E-07	6.30E-10	-0.051638	2.94E-05	-3.09E-08	31.74227	138.043
-0.552345	-0.554598	1.176315	6353144	6384089	-0.554598	-9.75E-08	-0.043795	-8.40E-05	-1.61E-07	-0.619449	0.383717	0.147239	0.056498	1.004871	1.009765	1.014683	1.019626	0.000597	-5.86E-07	6.21E-10	-0.051517	2.92E-05	-3.05E-08	31.74195	138.0499
-0.552422	-0.554675	1.176371	6353149	6384090	-0.554675	-9.76E-08	-0.043797	-8.40E-05	-1.61E-07	-0.619556	0.38385	0.147341	0.056557	1.00487	1.009764	1.014682	1.019624	0.000597	-5.86E-07	6.22E-10	-0.051522	2.92E-05	-3.05E-08	31.74636	138.0497
-0.552581	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384123	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.7563	138.0857
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384122	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.77E-10	-0.050892	2.81E-05	-2.87E-08	31.75629	138.0857
-0.551735	-0.553986	1.17587	6353109	6384077	-0.553986	-9.74E-08	-0.044631	-8.89E-05	-1.77E-07	-0.618604	0.38267	0.146437	0.056037	1.004874	1.009773	1.014695	1.019641	0.000619	-6.31E-07	6.94E-10	-0.05248	3.08E-05	-3.34E-08	31.70565	137.9949
-0.551957	-0.554209	1.176032	6353122	6384081	-0.554209	-9.75E-08	-0.043744	-8.37E-05	-1.60E-07	-0.618912	0.383052	0.146729	0.056205	1.004873	1.00977	1.01469	1.019635	0.000595	-5.82E-07	6.16E-10	-0.051445	2.91E-05	-3.03E-08	31.7198	138.0541
-0.551918	-0.554171	1.176004	6353120	6384080	-0.554171	-9.74E-08	-0.043657	-8.32E-05	-1.59E-07	-0.618858	0.382986	0.146678	0.056176	1.004873	1.00977	1.014691	1.019636	0.000593	-5.78E-07	6.08E-10	-0.05134	2.89E-05	-3.00E-08	31.71772	138.0601
-0.551958	-0.55421	1.176033	6353122	6384081	-0.55421	-9.75E-08	-0.043588	-8.28E-05	-1.57E-07	-0.618913	0.383053	0.14673	0.056205	1.004873	1.00977	1.01469	1.019635	0.000591	-5.74E-07	6.03E-10	-0.051261	2.87E-05	-2.97E-08	31.72008	138.0646
-0.552032	-0.554285	1.176087	6353127	6384083	-0.554285	-9.75E-08	-0.043582	-8.28E-05	-1.57E-07	-0.619016	0.383181	0.146828	0.056262	1.004873	1.009769	1.014689	1.019633	0.000591	-5.74E-07	6.03E-10	-0.051256	2.87E-05	-2.97E-08	31.72436	138.0649
-0.552113	-0.554365	1.176146	6353131	6384084	-0.554365	-9.75E-08	-0.0437	-8.35E-05	-1.59E-07	-0.619128	0.383319	0.146934	0.056322	1.004872	1.009768	1.014688	1.019631	0.000594	-5.80E-07	6.13E-10	-0.051397	2.90E-05	-3.02E-08	31.72879	138.0568
-0.552096	-0.554348	1.176134	6353130	6384084	-0.554348	-9.75E-08	-0.043626	-8.30E-05	-1.58E-07	-0.619104	0.38329	0.146911	0.05631	1.004872	1.009768	1.014688	1.019632	0.000592	-5.76E-07	6.06E-10	-0.05131	2.88E-05	-2.99E-08	31.72794	138.0618
-0.552086	-0.554338	1.176126	6353130	6384084	-0.554338	-9.75E-08	-0.043573	-8.27E-05	-1.57E-07	-0.61909	0.383273	0.146898	0.056302	1.004872	1.009768	1.014688	1.019632	0.000591	-5.73E-07	6.02E-10	-0.051247	2.87E-05	-2.97E-08	31.72744	138.0654
-0.552078	-0.55433	1.17612	6353129	6384084	-0.55433	-9.75E-08	-0.04354	-8.25E-05	-1.56E-07	-0.619079	0.383259	0.146888	0.056296	1.004872	1.009768	1.014688	1.019632	0.00059	-5.72E-07	5.99E-10	-0.051208	2.87E-05	-2.96E-08	31.72704	138.0676
-0.552059	-0.554312	1.176107	6353128	6384083	-0.554312	-9.75E-08	-0.043474	-8.22E-05	-1.55E-07	-0.619053	0.383227	0.146863	0.056282	1.004872	1.009769	1.014689	1.019633	0.000588	-5.68E-07	5.94E-10	-0.05113	2.85E-05	-2.94E-08	31.72607	138.0721
-0.551998	-0.55425	1.176062	6353125	6384082	-0.55425	-9.75E-08	-0.043424	-8.19E-05	-1.54E-07	-0.618968	0.383121	0.146782	0.056235	1.004873	1.009769	1.01469	1.019634	0.000586	-5.66E-07	5.89E-10	-0.051069	2.84E-05	-2.92E-08	31.72261	138.0756
-0.551917	-0.554169	1.176003	6353120	6384080	-0.554169	-9.74E-08	-0.043466	-8.21E-05	-1.55E-07	-0.618856	0.382983	0.146676	0.056174	1.004873	1.00977	1.014691	1.019636	0.000587	-5.68E-07	5.93E-10	-0.051116	2.85E-05	-2.93E-08	31.71793	138.0729
-0.551884	-0.554136	1.175979	6353118	6384080	-0.554136	-9.74E-08	-0.043542	-8.26E-05	-1.57E-07	-0.618811	0.382927	0.146633	0.05615	1.004873	1.009771	1.014692	1.019637	0.000589	-5.72E-07	5.99E-10	-0.051205	2.87E-05	-2.96E-08	31.71592	138.0678
-0.551834	-0.554086	1.175943	6353115	6384079	-0.554086	-9.74E-08	-0.043586	-8.28E-05	-1.57E-07	-0.618742	0.382842	0.146568	0.056112	1.004874	1.009771	1.014693	1.019638	0.000591	-5.74E-07	6.02E-10	-0.051255	2.87E-05	-2.97E-08	31.71301	138.0649
-0.551798	-0.55405	1.175916	6353113	6384078	-0.55405	-9.74E-08	-0.043611	-8.29E-05	-1.58E-07	-0.618691	0.382779	0.14652	0.056085	1.004874	1.009772	1.014693	1.019639	0.000591	-5.75E-07	6.04E-10	-0.051283	2.88E-05	-2.98E-08	31.71088	138.0633
-0.551808	-0.55406	1.175924	6353114	6384078	-0.55406	-9.74E-08	-0.043532	-8.25E-05	-1.56E-07	-0.618705	0.382796	0.146533	0.056092	1.004874	1.009772	1.014693	1.019639	0.000589	-5.71E-07	5.98E-10	-0.05119	2.86E-05	-2.95E-08	31.71158	138.0687
-0.55184	-0.554092	1.175947	6353115	6384079	-0.554092	-9.74E-08	-0.043457	-8.21E-05	-1.55E-07	-0.618749	0.38285	0.146574	0.056116	1.004874	1.009771	1.014693	1.019638	0.000587	-5.67E-07	5.92E-10	-0.051103	2.85E-05	-2.93E-08	31.7135	138.0736
-0.551849	-0.554101	1.175954	6353116	6384079	-0.554101	-9.74E-08	-0.043364	-8.15E-05	-1.53E-07	-0.618763	0.382867	0.146587	0.056123	1.004874	1.009771	1.014692	1.019638	0.000585	-5.62E-07	5.84E-10	-0.050995	2.83E-05	-2.90E-08	31.71421	138.0798
-0.551832	-0.554084	1.175941	6353115	6384079	-0.554084	-9.74E-08	-0.043288	-8.11E-05	-1.52E-07	-0.618738	0.382837	0.146564	0.05611	1.004874	1.009771	1.014693	1.019638	0.000583	-5.58E-07	5.78E-10	-0.050904	2.81E-05	-2.87E-08	31.71331	138.085

-0.551843	-0.554095	1.175949	6353116	6384079	-0.554095	-9.74E-08	-0.043204	-8.06E-05	-1.51E-07	-0.618754	0.382856	0.146579	0.056119	1.004874	1.009771	1.014693	1.019638	0.00058	-5.54E-07	5.71E-10	-0.050805	2.80E-05	-2.84E-08	31.71409	138.0907
-0.551852	-0.554104	1.175955	6353116	6384079	-0.554104	-9.74E-08	-0.043118	-8.02E-05	-1.49E-07	-0.618766	0.382871	0.14659	0.056125	1.004874	1.009771	1.014692	1.019638	0.000578	-5.50E-07	5.65E-10	-0.050704	2.78E-05	-2.82E-08	31.71473	138.0964
-0.551865	-0.554117	1.175965	6353117	6384079	-0.554117	-9.74E-08	-0.043033	-7.97E-05	-1.48E-07	-0.618785	0.382894	0.146608	0.056135	1.004874	1.009771	1.014692	1.019637	0.000576	-5.45E-07	5.58E-10	-0.050605	2.77E-05	-2.79E-08	31.71563	138.1021
-0.551887	-0.55414	1.175981	6353118	6384080	-0.55414	-9.74E-08	-0.042949	-7.92E-05	-1.46E-07	-0.618815	0.382932	0.146637	0.056152	1.004873	1.009771	1.014692	1.019637	0.000574	-5.41E-07	5.52E-10	-0.050507	2.75E-05	-2.76E-08	31.71703	138.1077
-0.551912	-0.554164	1.175999	6353120	6384080	-0.554164	-9.74E-08	-0.042867	-7.88E-05	-1.45E-07	-0.618849	0.382975	0.14667	0.056171	1.004873	1.00977	1.014691	1.019636	0.000571	-5.37E-07	5.45E-10	-0.050411	2.73E-05	-2.74E-08	31.71856	138.1132
-0.551993	-0.554245	1.176058	6353124	6384082	-0.554245	-9.75E-08	-0.042839	-7.86E-05	-1.44E-07	-0.618961	0.383113	0.146776	0.056232	1.004873	1.009769	1.01469	1.019634	0.000571	-5.36E-07	5.43E-10	-0.050381	2.73E-05	-2.73E-08	31.72324	138.115
-0.552081	-0.554334	1.176123	6353129	6384084	-0.554334	-9.75E-08	-0.042826	-7.85E-05	-1.44E-07	-0.619084	0.383265	0.146892	0.056299	1.004872	1.009768	1.014688	1.019632	0.00057	-5.35E-07	5.43E-10	-0.050368	2.73E-05	-2.73E-08	31.72833	138.1157
-0.552158	-0.554411	1.176179	6353134	6384085	-0.554411	-9.75E-08	-0.042781	-7.83E-05	-1.43E-07	-0.619191	0.383397	0.146993	0.056357	1.004872	1.009767	1.014687	1.01963	0.000569	-5.33E-07	5.39E-10	-0.050318	2.72E-05	-2.71E-08	31.73281	138.1185
-0.552103	-0.554356	1.176139	6353131	6384084	-0.554356	-9.75E-08	-0.042726	-7.80E-05	-1.42E-07	-0.619114	0.383302	0.146921	0.056315	1.004872	1.009768	1.014688	1.019632	0.000568	-5.30E-07	5.35E-10	-0.050252	2.71E-05	-2.69E-08	31.72973	138.1223
-0.552058	-0.55431	1.176106	6353128	6384083	-0.55431	-9.75E-08	-0.042655	-7.76E-05	-1.41E-07	-0.619052	0.383225	0.146861	0.056281	1.004872	1.009769	1.014689	1.019633	0.000566	-5.27E-07	5.30E-10	-0.050167	2.69E-05	-2.67E-08	31.72725	138.1272
-0.55204	-0.554292	1.176093	6353127	6384083	-0.554292	-9.75E-08	-0.042584	-7.72E-05	-1.40E-07	-0.619026	0.383194	0.146837	0.056267	1.004873	1.009769	1.014689	1.019633	0.000564	-5.23E-07	5.24E-10	-0.050082	2.68E-05	-2.65E-08	31.72632	138.132
-0.552046	-0.554298	1.176097	6353127	6384083	-0.554298	-9.75E-08	-0.042481	-7.67E-05	-1.38E-07	-0.619035	0.383204	0.146845	0.056272	1.004873	1.009769	1.014689	1.019633	0.000561	-5.18E-07	5.17E-10	-0.049961	2.66E-05	-2.62E-08	31.72681	138.139
-0.552085	-0.554337	1.176125	6353130	6384084	-0.554337	-9.75E-08	-0.042402	-7.62E-05	-1.37E-07	-0.619089	0.383271	0.146896	0.056301	1.004872	1.009768	1.014688	1.019632	0.000559	-5.14E-07	5.11E-10	-0.04987	2.65E-05	-2.59E-08	31.72916	138.1442
-0.552168	-0.554421	1.176186	6353134	6384085	-0.554421	-9.75E-08	-0.0424	-7.62E-05	-1.37E-07	-0.619205	0.383414	0.147007	0.056364	1.004872	1.009767	1.014687	1.01963	0.000559	-5.14E-07	5.11E-10	-0.04987	2.65E-05	-2.59E-08	31.73397	138.1442
-0.552258	-0.554511	1.176252	6353139	6384087	-0.554511	-9.75E-08	-0.042445	-7.65E-05	-1.38E-07	-0.619329	0.383568	0.147124	0.056432	1.004871	1.009766	1.014685	1.019628	0.000561	-5.17E-07	5.15E-10	-0.049927	2.66E-05	-2.61E-08	31.73903	138.1409
-0.552244	-0.554497	1.176242	6353139	6384087	-0.554497	-9.75E-08	-0.042372	-7.61E-05	-1.37E-07	-0.619309	0.383544	0.147106	0.056422	1.004871	1.009766	1.014685	1.019628	0.000559	-5.13E-07	5.09E-10	-0.04984	2.64E-05	-2.59E-08	31.73834	138.1459
-0.552223	-0.554476	1.176226	6353137	6384086	-0.554476	-9.75E-08	-0.042288	-7.56E-05	-1.35E-07	-0.619281	0.383508	0.147079	0.056406	1.004871	1.009767	1.014686	1.019629	0.000556	-5.09E-07	5.03E-10	-0.049741	2.63E-05	-2.56E-08	31.73727	138.1516
-0.552208	-0.554461	1.176215	6353137	6384086	-0.554461	-9.75E-08	-0.042212	-7.52E-05	-1.34E-07	-0.61926	0.383483	0.147059	0.056395	1.004872	1.009767	1.014686	1.019629	0.000554	-5.05E-07	4.98E-10	-0.04965	2.61E-05	-2.54E-08	31.73653	138.1567
-0.552205	-0.554458	1.176213	6353136	6384086	-0.554458	-9.75E-08	-0.042132	-7.48E-05	-1.33E-07	-0.619256	0.383478	0.147055	0.056392	1.004872	1.009767	1.014686	1.019629	0.000552	-5.02E-07	4.92E-10	-0.049556	2.60E-05	-2.51E-08	31.73649	138.1621
-0.552193	-0.554446	1.176204	6353136	6384086	-0.554446	-9.75E-08	-0.04206	-7.44E-05	-1.32E-07	-0.619239	0.383457	0.147039	0.056383	1.004872	1.009767	1.014686	1.019629	0.00055	-4.98E-07	4.87E-10	-0.049471	2.58E-05	-2.49E-08	31.73589	138.167
-0.552192	-0.554445	1.176204	6353136	6384086	-0.554445	-9.75E-08	-0.04197	-7.39E-05	-1.30E-07	-0.619238	0.383456	0.147038	0.056383	1.004872	1.009767	1.014686	1.019629	0.000548	-4.94E-07	4.81E-10	-0.049366	2.57E-05	-2.46E-08	31.736	138.173
-0.552233	-0.554486	1.176234	6353138	6384087	-0.554486	-9.75E-08	-0.042129	-7.48E-05	-1.33E-07	-0.619295	0.383526	0.147092	0.056414	1.004871	1.009766	1.014685	1.019628	0.000552	-5.01E-07	4.92E-10	-0.049554	2.60E-05	-2.51E-08	31.73811	138.1623
-0.552117	-0.554369	1.176149	6353131	6384084	-0.554369	-9.75E-08	-0.042058	-7.44E-05	-1.32E-07	-0.619133	0.383326	0.146939	0.056325	1.004872	1.009768	1.014688	1.019631	0.00055	-4.98E-07	4.87E-10	-0.049467	2.58E-05	-2.49E-08	31.73153	138.1672
-0.552038	-0.554291	1.176092	6353127	6384083	-0.554291	-9.75E-08	-0.042015	-7.42E-05	-1.31E-07	-0.619025	0.383191	0.146836	0.056266	1.004873	1.009769	1.014689	1.019633	0.000549	-4.96E-07	4.84E-10	-0.049413	2.58E-05	-2.48E-08	31.7271	138.1703
-0.551956	-0.554208	1.176031	6353122	6384081	-0.554208	-9.75E-08	-0.041993	-7.40E-05	-1.31E-07	-0.61891	0.38305	0.146727	0.056204	1.004873	1.00977	1.01469	1.019635	0.000548	-4.95E-07	4.82E-10	-0.049385	2.57E-05	-2.47E-08	31.7224	138.1719
-0.551879	-0.554131	1.175975	6353118	6384080	-0.554131	-9.74E-08	-0.041974	-7.39E-05	-1.30E-07	-0.618803	0.382918	0.146626	0.056146	1.004874	1.009771	1.014692	1.019637	0.000548	-4.94E-07	4.81E-10	-0.04936	2.57E-05	-2.46E-08	31.71801	138.1734
-0.551857	-0.55411	1.17596	6353117	6384079	-0.55411	-9.74E-08	-0.042054	-7.44E-05	-1.32E-07	-0.618774	0.382881	0.146598	0.05613	1.004874	1.009771	1.014692	1.019638	0.00055	-4.97E-07	4.86E-10	-0.049454	2.58E-05	-2.49E-08	31.71666	138.168
-0.551866	-0.554118	1.175966	6353117	6384079	-0.554118	-9.74E-08	-0.042141	-7.48E-05	-1.33E-07	-0.618786	0.382896	0.14661	0.056136	1.004874	1.009771	1.014692	1.019637	0.000552	-5.01E-07	4.92E-10	-0.049556	2.60E-05	-2.51E-08	31.71704	138.1621
-0.551929	-0.554181	1.176012	6353121	6384081	-0.554181	-9.75E-08	-0.04221	-7.52E-05	-1.34E-07	-0.618873	0.383004	0.146692	0.056184	1.004873	1.00977	1.014691	1.019636	0.000554	-5.05E-07	4.97E-10	-0.049639	2.61E-05	-2.53E-08	31.72054	138.1574
-0.551987	-0.554239	1.176054	6353124	6384082	-0.554239	-9.75E-08	-0.042276	-7.56E-05	-1.35E-07	-0.618953	0.383103	0.146768	0.056227	1.004873	1.009769	1.01469	1.019634	0.000556	-5.08E-07	5.02E-10	-0.049718	2.62E-05	-2.55E-08	31.72376	138.1528
-0.552034	-0.554286	1.176088	6353127	6384083	-0.554286	-9.75E-08	-0.042357	-7.60E-05	-1.36E-07	-0.619019	0.383184	0.14683	0.056263	1.004873	1.009769	1.014689	1.019633	0.000558	-5.12E-07	5.08E-10	-0.049815	2.64E-05	-2.58E-08	31.72633	138.1473
-0.552084	-0.554337	1.176125	6353130	6384084	-0.554337	-9.75E-08	-0.042387	-7.62E-05	-1.37E-07	-0.619088	0.38327	0.146896	0.056301	1.004872	1.009768	1.014688	1.019632	0.000559	-5.14E-07	5.10E-10	-0.049853	2.64E-05	-2.59E-08	31.72917	138.1452
-0.552037	-0.55429	1.176091	6353127	6384083	-0.55429	-9.75E-08	-0.042352	-7.60E-05	-1.36E-07	-0.619023	0.38319	0.146834	0.056265	1.004873	1.009769	1.014689	1.019633	0.000558	-5.12E-07	5.07E-10	-0.04981	2.64E-05	-2.58E-08	31.72654	138.1476
-0.551962	-0.554215	1.176036	6353123	6384081	-0.554215	-9.75E-08	-0.042335	-7.59E-05	-1.36E-07	-0.618919	0.383061	0.146736	0.056209	1.004873	1.00977	1.01469	1.019635	0.000557	-5.11E-07	5.06E-10	-0.049788	2.63E-05	-2.57E-08	31.72226	138.1489
-0.55188	-0.554133	1.175976	6353118	6384080	-0.554133	-9.74E-08	-0.042309	-7.57E-05	-1.36E-07	-0.618806	0.38292	0.146628	0.056147	1.004873	1.009771	1.014692	1.019637	0.000557	-5.09E-07	5.04E-10	-0.049754	2.63E-05	-2.56E-08	31.7176	138.1508
-0.551803	-0.554055	1.17592	6353113	6384078	-0.554055	-9.74E-08	-0.042289	-7.56E-05	-1.35E-07	-0.618698	0.382787	0.146526	0.056088	1.004874	1.009772	1.014693	1.019639	0.000556	-5.08E-07	5.02E-10	-0.049728	2.62E-05	-2.55E-08	31.71318	138.1523
-0.551759	-0.554011	1.175888	6353111	6384077	-0.554011	-9.74E-08	-0.042215	-7.52E-05	-1.34E-07	-0.618638	0.382713	0.146469	0.056056	1.004874	1.009772	1.014694	1.01964	0.000554	-5.05E-07	4.97E-10	-0.049641	2.61E-05	-2.53E-08	31.7108	138.1573
-0.551721	-0.553972	1.17586	6353109	6384077	-0.553972	-9.74E-08	-0.042276	-7.56E-05	-1.35E-07	-0.618584	0.382646	0.146418	0.056026	1.004874	1.009773	1.014695	1.019641	0.000555	-5.08E-07	5.01E-10	-0.04971	2.62E-05	-2.55E-08	31.70848	138.1533
-0.551684	-0.553935	1.175833	6353107	6384076	-0.553935	-9.74E-08	-0.042365	-7.60E-05	-1.36E-07	-0.618533	0.382583	0.14637	0.055999	1.004875	1.009773	1.014695	1.019642	0.000558	-5.12E-07	5.08E-10	-0.049814	2.64E-05	-2.58E-08	31.70624	138.1474
-0.551646	-0.553898	1.175806	6353104	6384075	-0.553898	-9.74E-08	-0.042266	-7.55E-05	-1.35E-07	-0.618481	0.382519	0.146321	0.05597	1.004875	1.009774	1.014696	1.019643	0.000555	-5.07E-07	5.00E-10	-0.049696	2.62E-05	-2.55E-08	31.70423	138.1541
-0.552582	-0.554836	1.176489	6353158	6384093	-0.554836	-9.76E-08	-0.043239	-8.08E-05	-1.51E-07	-0.619779	0.384126	0.147552	0.056679	1.004869	1.009762	1.014679	1.01962	0.000582	-5.57E-07	5.76E-10	-0.05087	2.81E-05	-2.87E-08	31.75642	138.087
-0.552581	-0.554834	1.176488	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619777	0.384123	0.14755	0.056678	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.75631	138.0857
-0.552463	-0.554716	1.176401	6353151	6384091	-0.554716	-9.76E-08	-0.041892	-7.35E-05	-1.29E-07	-0.619613	0.38392	0.147395	0.056588	1.00487	1.009764	1.014681	1.019623	0.000546	-4.91E-07	4.76E-10	-0.049282	2.56E-05	-2.45E-08	31.75162	138.1778
-0.552466	-0.55472	1.176404	6353151	6384091	-0.55472	-9.76E-08	-0.04197	-7.39E-05	-1.30E-07	-0.619618	0.383927	0.1474	0.056591	1.00487	1.009764	1.014681	1.019623	0.000548	-4.94E-07	4.81E-10	-0.049373	2.57E-05	-2.47E-08	31.75171	138.1726
-0.552468	-0.554721	1.176405	6353152	6384091	-0.554721	-9.76E-08	-0.042055	-7.44E-05	-1.32E-07	-0.61962	0.383929	0.147402	0.056592	1.00487	1.009764	1.014681	1.019623	0.000551	-4.98E-07	4.87E-10	-0.049474	2.59E-05	-2.49E-08	31.75167	138.1669
-0.552484	-0.554738	1.176417	6353152	6384091	-0.554738	-9.76E-08	-0.042133	-7.48E-05	-1.33E-07	-0.619643	0.383957	0.147423	0.056604	1.00487	1.009763	1.014681	1.019622	0.000553	-5.02E-07	4.93E-10	-0.049566	2.60E-05	-2.52E-08	31.75249	138.1616
-0.552476	-0.554729	1.176411	6353152	6384091	-0.554729	-9.76E-08	-0.042211	-7.52E-05	-1.34E-07	-0.619631	0.383942	0.147412	0.056598	1.00487	1.009764	1.014681	1.019622	0.000555	-5.06E-07	4.98E-10	-0.049658	2.61E-05	-2.54E-08	31.75188	138.1563
-0.552469	-0.554722	1.176406	6353152	6384091	-0.554722	-9.76E-08	-0.042294	-7.57E-05	-1.35E-07	-0.619621	0.38393	0.147403	0.056592	1.00487	1.009764	1.014681	1.019623	0.000557	-5.10E-07	5.04E-10	-0.049754	2.63E-05	-2.56E-08	31.75135	138.1508
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-0.552328	-0.554581	1.176303	6353143	6384088	-0.554581	-9.75E-08	-0.042216	-7.52E-05	-1.34E-07	-0.619426	0.383688	0.147217	0.056485	1.004871	1.009765	1.014684	1.019626	0.000555	-5.06E-07	4.98E-10	-0.049658	2.61E-05	-2.54E-08	31.74339	138.1563
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-0.552605	-0.554859	1.176505	6353159	6384094	-0.554859	-9.76E-08	-0.04198	-7.40E-05	-1.30E-07	-0.61981	0.384165	0.147583	0.056696	1.004869	1.009762	1.014679	1.019619	0.000549	-4.95E-07	4.82E-10	-0.049389	2.57E-05	-2.47E-08	31.75964	138.1717
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-0.552873	-0.555127	1.176701	6353175	6384099	-0.555127	-9.77E-08	-0.042134	-7.48E-05	-1.33E-07	-0.620182	0.384626	0.147937	0.056901	1.004867	1.009759	1.014674	1.019613	0.000553	-5.03E-07	4.94E-10	-0.04958	2.60E-05	-2.52E-08	31.77479	138.1608
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-0.553105	-0.55536	1.176871	6353188	6384103	-0.55536	-9.77E-08	-0.042283	-7.56E-05	-1.35E-07	-0.620504	0.385025	0.148244	0.057078	1.004866	1.009756	1.014669	1.019607	0.000557	-5.10E-07	5.05E-10	-0.049762	2.63E-05	-2.57E-08	31.78785	138.1503
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-0.553285	-0.55554	1.177003	6353198	6384107	-0.55554	-9.77E-08	-0.042423	-7.63E-05	-1.37E-07	-0.620754	0.385336	0.148484	0.057216	1.004865	1.009754	1.014666	1.019602	0.000561	-5.17E-07	5.15E-10	-0.049932	2.66E-05	-2.61E-08	31.79798	138.1406
-0.553394	-0.55565	1.177083	6353205	6384109	-0.55565	-9.78E-08	-0.042484	-7.67E-05	-1.38E-07	-0.620906	0.385524	0.148629	0.0573	1.004864	1.009752	1.014664	1.0196	0.000563	-5.20E-07	5.20E-10	-0.050007	2.67E-05	-2.63E-08	31.80416	138.1363
-0.552989	-0.555244	1.176786	6353181	6384101	-0.555244	-9.77E-08	-0.042643	-7.75E-05	-1.41E-07	-0.620344	0.384826	0.148091	0.056989	1.004867	1.009757	1.014672	1.01961	0.000567	-5.28E-07	5.31E-10	-0.050182	2.70E-05	-2.68E-08	31.78069	138.1264
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-0.553034	-0.555289	1.176819	6353184	6384102	-0.555289	-9.77E-08	-0.042795	-7.84E-05	-1.44E-07	-0.620406	0.384904	0.148151	0.057024	1.004867	1.009757	1.014671	1.019609	0.000571	-5.35E-07	5.43E-10	-0.050363	2.73E-05	-2.73E-08	31.78303	138.116
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-0.553046	-0.5553	1.176828	6353185	6384102	-0.5553	-9.77E-08	-0.042973	-7.94E-05	-1.47E-07	-0.620422	0.384923	0.148166	0.057033	1.004866	1.009757	1.014671	1.019608	0.000576	-5.44E-07	5.56E-10	-0.050572	2.76E-05	-2.78E-08	31.78342	138.104
-0.553053	-0.555307	1.176833	6353185	6384102	-0.555307	-9.77E-08	-0.043033	-7.97E-05	-1.48E-07	-0.620431	0.384935	0.148175	0.057038	1.004866	1.009757	1.01467	1.019608	0.000577	-5.47E-07	5.61E-10	-0.050643	2.77E-05	-2.80E-08	31.78372	138.0999
-0.553058	-0.555313	1.176836	6353185	6384102	-0.555313	-9.77E-08	-0.043108	-8.01E-05	-1.49E-07	-0.620439	0.384944	0.148182	0.057042	1.004866	1.009756	1.01467	1.019608	0.000579	-5.51E-07	5.67E-10	-0.05073	2.79E-05	-2.83E-08	31.7839	138.095
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384123	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.7563	138.0857
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384123	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.7563	138.0857
-0.551731	-0.553983	1.175867	6353109	6384077	-0.553983	-9.74E-08	-0.044449	-8.78E-05	-1.74E-07	-0.618599	0.382664	0.146432	0.056034	1.004874	1.009773	1.014695	1.019641	0.000614	-6.20E-07	6.77E-10	-0.052267	3.05E-05	-3.28E-08	31.70573	138.0071
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-0.55169	-0.553942	1.175838	6353107	6384076	-0.553942	-9.74E-08	-0.044535	-8.83E-05	-1.75E-07	-0.618542	0.382594	0.146378	0.056003	1.004875	1.009773	1.014695	1.019642	0.000616	-6.25E-07	6.85E-10	-0.052366	3.06E-05	-3.31E-08	31.70324	138.0014
-0.551635	-0.553887	1.175798	6353104	6384075	-0.553887	-9.74E-08	-0.044469	-8.79E-05	-1.74E-07	-0.618466	0.3825	0.146306	0.055962	1.004875	1.009774	1.014696	1.019643	0.000614	-6.21E-07	6.79E-10	-0.052287	3.05E-05	-3.28E-08	31.70021	138.0059
-0.551581	-0.553832	1.175758	6353101	6384074	-0.553832	-9.74E-08	-0.04441	-8.76E-05	-1.73E-07	-0.618391	0.382407	0.146235	0.055921	1.004875	1.009774	1.014697	1.019644	0.000613	-6.18E-07	6.73E-10	-0.052216	3.04E-05	-3.26E-08	31.69718	138.01
-0.551517	-0.553768	1.175711	6353097	6384073	-0.553768	-9.74E-08	-0.044359	-8.73E-05	-1.72E-07	-0.618302	0.382297	0.146151	0.055873	1.004876	1.009775	1.014699	1.019646	0.000611	-6.15E-07	6.68E-10	-0.052153	3.03E-05	-3.24E-08	31.6936	138.0136

-0.551499	-0.55375	1.175698	6353096	6384072	-0.55375	-9.74E-08	-0.044275	-8.68E-05	-1.70E-07	-0.618277	0.382267	0.146128	0.05586	1.004876	1.009775	1.014699	1.019646	0.000609	-6.10E-07	6.61E-10	-0.052054	3.01E-05	-3.21E-08	31.6927	138.0192
-0.551493	-0.553744	1.175694	6353096	6384072	-0.553744	-9.74E-08	-0.044189	-8.63E-05	-1.68E-07	-0.618269	0.382256	0.14612	0.055855	1.004876	1.009775	1.014699	1.019646	0.000607	-6.06E-07	6.53E-10	-0.051953	2.99E-05	-3.18E-08	31.69249	138.025
-0.551489	-0.55374	1.175691	6353095	6384072	-0.55374	-9.74E-08	-0.044103	-8.58E-05	-1.67E-07	-0.618263	0.38225	0.146115	0.055852	1.004876	1.009776	1.014699	1.019647	0.000604	-6.01E-07	6.46E-10	-0.051852	2.97E-05	-3.15E-08	31.6924	138.0308
-0.551464	-0.553715	1.175673	6353094	6384072	-0.553715	-9.74E-08	-0.043962	-8.50E-05	-1.64E-07	-0.618229	0.382207	0.146082	0.055834	1.004876	1.009776	1.014699	1.019647	0.0006	-5.93E-07	6.33E-10	-0.051684	2.95E-05	-3.10E-08	31.69119	138.0404
-0.551459	-0.553711	1.175669	6353094	6384072	-0.553711	-9.73E-08	-0.043885	-8.45E-05	-1.63E-07	-0.618222	0.382199	0.146076	0.05583	1.004876	1.009776	1.0147	1.019647	0.000598	-5.89E-07	6.27E-10	-0.051594	2.93E-05	-3.07E-08	31.69104	138.0455
-0.551469	-0.553721	1.175677	6353094	6384072	-0.553721	-9.74E-08	-0.043804	-8.40E-05	-1.61E-07	-0.618236	0.382216	0.146089	0.055838	1.004876	1.009776	1.014699	1.019647	0.000596	-5.85E-07	6.20E-10	-0.051499	2.91E-05	-3.04E-08	31.69174	138.051
-0.55148	-0.553731	1.175685	6353095	6384072	-0.553731	-9.74E-08	-0.043712	-8.35E-05	-1.60E-07	-0.618251	0.382234	0.146103	0.055846	1.004876	1.009776	1.014699	1.019647	0.000594	-5.80E-07	6.12E-10	-0.051391	2.90E-05	-3.01E-08	31.6925	138.0572
-0.551484	-0.553735	1.175687	6353095	6384072	-0.553735	-9.74E-08	-0.043638	-8.31E-05	-1.58E-07	-0.618256	0.382241	0.146108	0.055848	1.004876	1.009776	1.014699	1.019647	0.000592	-5.76E-07	6.06E-10	-0.051304	2.88E-05	-2.98E-08	31.69282	138.0621
-0.551494	-0.553745	1.175695	6353096	6384072	-0.553745	-9.74E-08	-0.043557	-8.26E-05	-1.57E-07	-0.61827	0.382258	0.146121	0.055856	1.004876	1.009775	1.014699	1.019646	0.000589	-5.72E-07	5.99E-10	-0.05121	2.87E-05	-2.96E-08	31.69352	138.0675
-0.551508	-0.553759	1.175705	6353096	6384073	-0.553759	-9.74E-08	-0.043473	-8.22E-05	-1.55E-07	-0.618289	0.382281	0.146139	0.055866	1.004876	1.009775	1.014699	1.019646	0.000587	-5.67E-07	5.92E-10	-0.051112	2.85E-05	-2.93E-08	31.69444	138.0731
-0.551504	-0.553755	1.175702	6353096	6384073	-0.553755	-9.74E-08	-0.043392	-8.17E-05	-1.54E-07	-0.618284	0.382276	0.146135	0.055864	1.004876	1.009775	1.014699	1.019646	0.000585	-5.63E-07	5.86E-10	-0.051016	2.83E-05	-2.90E-08	31.69437	138.0786
-0.551528	-0.55378	1.17572	6353098	6384073	-0.55378	-9.74E-08	-0.043317	-8.13E-05	-1.53E-07	-0.618318	0.382317	0.146166	0.055882	1.004876	1.009775	1.014698	1.019646	0.000583	-5.59E-07	5.80E-10	-0.050929	2.82E-05	-2.88E-08	31.69588	138.0836
-0.551605	-0.553857	1.175776	6353102	6384074	-0.553857	-9.74E-08	-0.043296	-8.12E-05	-1.52E-07	-0.618424	0.382448	0.146267	0.055939	1.004875	1.009774	1.014697	1.019644	0.000582	-5.58E-07	5.78E-10	-0.050906	2.81E-05	-2.87E-08	31.7003	138.0849
-0.551688	-0.553939	1.175836	6353107	6384076	-0.553939	-9.74E-08	-0.043294	-8.12E-05	-1.52E-07	-0.618538	0.38259	0.146375	0.056002	1.004875	1.009773	1.014695	1.019642	0.000583	-5.58E-07	5.78E-10	-0.050907	2.81E-05	-2.87E-08	31.70504	138.0849
-0.551755	-0.554007	1.175885	6353111	6384077	-0.554007	-9.74E-08	-0.043332	-8.14E-05	-1.53E-07	-0.618632	0.382705	0.146463	0.056052	1.004874	1.009772	1.014694	1.01964	0.000584	-5.60E-07	5.81E-10	-0.050953	2.82E-05	-2.89E-08	31.70885	138.0822
-0.55178	-0.554032	1.175903	6353112	6384078	-0.554032	-9.74E-08	-0.043417	-8.18E-05	-1.54E-07	-0.618666	0.382748	0.146496	0.056071	1.004874	1.009772	1.014694	1.019639	0.000586	-5.65E-07	5.88E-10	-0.051054	2.84E-05	-2.91E-08	31.71014	138.0765
-0.551867	-0.554119	1.175967	6353117	6384079	-0.554119	-9.74E-08	-0.043784	-8.39E-05	-1.61E-07	-0.618787	0.382898	0.146611	0.056137	1.004874	1.009771	1.014692	1.019637	0.000596	-5.84E-07	6.19E-10	-0.051488	2.91E-05	-3.04E-08	31.71458	138.0516
-0.552041	-0.554294	1.176094	6353127	6384083	-0.554294	-9.75E-08	-0.043718	-8.36E-05	-1.60E-07	-0.619028	0.383196	0.146839	0.056268	1.004873	1.009769	1.014689	1.019633	0.000594	-5.81E-07	6.14E-10	-0.051416	2.90E-05	-3.02E-08	31.72465	138.0557
-0.552074	-0.554327	1.176118	6353129	6384083	-0.554327	-9.75E-08	-0.043709	-8.35E-05	-1.60E-07	-0.619075	0.383253	0.146883	0.056293	1.004872	1.009768	1.014688	1.019632	0.000594	-5.81E-07	6.13E-10	-0.051406	2.90E-05	-3.02E-08	31.72658	138.0563
-0.552169	-0.554422	1.176187	6353134	6384085	-0.554422	-9.75E-08	-0.0437	-8.35E-05	-1.59E-07	-0.619206	0.383416	0.147008	0.056365	1.004872	1.009767	1.014687	1.01963	0.000594	-5.80E-07	6.13E-10	-0.0514	2.90E-05	-3.02E-08	31.73203	138.0567
-0.552228	-0.554481	1.17623	6353138	6384086	-0.554481	-9.75E-08	-0.043693	-8.34E-05	-1.59E-07	-0.619287	0.383517	0.147085	0.05641	1.004871	1.009767	1.014685	1.019628	0.000594	-5.80E-07	6.12E-10	-0.051394	2.90E-05	-3.01E-08	31.73541	138.057
-0.552281	-0.554534	1.176269	6353141	6384087	-0.554534	-9.75E-08	-0.043695	-8.34E-05	-1.59E-07	-0.619361	0.383608	0.147155	0.05645	1.004871	1.009766	1.014685	1.019627	0.000594	-5.80E-07	6.13E-10	-0.051397	2.90E-05	-3.02E-08	31.73845	138.0568
-0.552047	-0.554299	1.176098	6353127	6384083	-0.554299	-9.75E-08	-0.043816	-8.41E-05	-1.62E-07	-0.619036	0.383206	0.146847	0.056272	1.004872	1.009769	1.014689	1.019633	0.000597	-5.86E-07	6.22E-10	-0.051532	2.92E-05	-3.05E-08	31.72482	138.0491
-0.552056	-0.554308	1.176104	6353128	6384083	-0.554308	-9.75E-08	-0.043773	-8.39E-05	-1.61E-07	-0.619049	0.383222	0.146859	0.056279	1.004872	1.009769	1.014689	1.019633	0.000596	-5.84E-07	6.19E-10	-0.051482	2.91E-05	-3.04E-08	31.72542	138.052
-0.552059	-0.554312	1.176107	6353128	6384083	-0.554312	-9.75E-08	-0.043735	-8.37E-05	-1.60E-07	-0.619054	0.383228	0.146863	0.056282	1.004872	1.009769	1.014689	1.019633	0.000595	-5.82E-07	6.15E-10	-0.051437	2.90E-05	-3.03E-08	31.72568	138.0545
-0.551778	-0.55403	1.175902	6353112	6384078	-0.55403	-9.74E-08	-0.043721	-8.36E-05	-1.60E-07	-0.618664	0.382745	0.146494	0.05607	1.004874	1.009772	1.014694	1.019639	0.000594	-5.81E-07	6.14E-10	-0.051412	2.90E-05	-3.02E-08	31.70957	138.056
-0.551707	-0.553959	1.17585	6353108	6384076	-0.553959	-9.74E-08	-0.04372	-8.36E-05	-1.60E-07	-0.618566	0.382623	0.146401	0.056016	1.004875	1.009773	1.014695	1.019641	0.000594	-5.81E-07	6.13E-10	-0.051409	2.90E-05	-3.02E-08	31.70551	138.0562
-0.551625	-0.553876	1.17579	6353103	6384075	-0.553876	-9.74E-08	-0.043725	-8.36E-05	-1.60E-07	-0.618451	0.382482	0.146292	0.055954	1.004875	1.009774	1.014697	1.019643	0.000594	-5.81E-07	6.13E-10	-0.051411	2.90E-05	-3.02E-08	31.70076	138.056
-0.551549	-0.5538	1.175735	6353099	6384073	-0.5538	-9.74E-08	-0.043721	-8.36E-05	-1.60E-07	-0.618346	0.382352	0.146193	0.055897	1.004876	1.009775	1.014698	1.019645	0.000594	-5.80E-07	6.13E-10	-0.051404	2.90E-05	-3.01E-08	31.69641	138.0564
-0.55258	-0.554834	1.176487	6353158	6384093	-0.554834	-9.76E-08	-0.043258	-8.09E-05	-1.51E-07	-0.619776	0.384123	0.14755	0.056677	1.004869	1.009762	1.014679	1.01962	0.000583	-5.58E-07	5.78E-10	-0.050892	2.81E-05	-2.87E-08	31.7563	138.0857
-0.551734	-0.553986	1.17587	6353109	6384077	-0.553986	-9.74E-08	-0.044631	-8.89E-05	-1.77E-07	-0.618603	0.38267	0.146436	0.056037	1.004874	1.009773	1.014695	1.019641	0.000619	-6.31E-07	6.94E-10	-0.05248	3.08E-05	-3.34E-08	31.70563	137.9949
-0.551698	-0.55395	1.175843	6353107	6384076	-0.55395	-9.74E-08	-0.044699	-8.93E-05	-1.78E-07	-0.618553	0.382607	0.146388	0.056009	1.004875	1.009773	1.014695	1.019641	0.000621	-6.34E-07	7.00E-10	-0.052559	3.10E-05	-3.37E-08	31.70343	137.9904
-0.551643	-0.553895	1.175803	6353104	6384075	-0.553895	-9.74E-08	-0.044759	-8.97E-05	-1.80E-07	-0.618477	0.382513	0.146317	0.055968	1.004875	1.009774	1.014696	1.019643	0.000623	-6.38E-07	7.06E-10	-0.052628	3.11E-05	-3.39E-08	31.70019	137.9864
-0.551592	-0.553843	1.175766	6353101	6384074	-0.553843	-9.74E-08	-0.044825	-9.01E-05	-1.81E-07	-0.618406	0.382426	0.146249	0.055929	1.004875	1.009774	1.014697	1.019644	0.000624	-6.41E-07	7.12E-10	-0.052704	3.12E-05	-3.42E-08	31.69715	137.9821
-0.551549	-0.5538	1.175735	6353099	6384073	-0.5538	-9.74E-08	-0.0449	-9.05E-05	-1.82E-07	-0.618346	0.382352	0.146193	0.055897	1.004876	1.009775	1.014698	1.019645	0.000626	-6.46E-07	7.19E-10	-0.052791	3.14E-05	-3.44E-08	31.69458	137.9771
-0.551505	-0.553756	1.175702	6353096	6384073	-0.553756	-9.74E-08	-0.044983	-9.10E-05	-1.84E-07	-0.618285	0.382276	0.146135	0.055864	1.004876	1.009775	1.014699	1.019646	0.000629	-6.50E-07	7.27E-10	-0.052887	3.16E-05	-3.47E-08	31.6919	137.9716
-0.551457	-0.553708	1.175668	6353094	6384072	-0.553708	-9.73E-08	-0.045055	-9.15E-05	-1.86E-07	-0.618219	0.382195	0.146073	0.055828	1.004876	1.009776	1.0147	1.019647	0.000631	-6.54E-07	7.34E-10	-0.052969	3.17E-05	-3.50E-08	31.68906	137.9669
-0.55145	-0.553701	1.175663	6353093	6384071	-0.553701	-9.73E-08	-0.045142	-9.20E-05	-1.87E-07	-0.61821	0.382183	0.146064	0.055823	1.004876	1.009776	1.0147	1.019648	0.000633	-6.59E-07	7.42E-10	-0.053071	3.19E-05	-3.54E-08	31.68853	137.9611
-0.551424	-0.553675	1.175644	6353092	6384071	-0.553675	-9.73E-08	-0.045343	-9.32E-05	-1.92E-07	-0.618174	0.382139	0.14603	0.055804	1.004876	1.009776	1.0147	1.019648	0.000639	-6.71E-07	7.62E-10	-0.053307	3.23E-05	-3.61E-08	31.68672	137.9476
-0.55142	-0.553671	1.175641	6353091	6384071	-0.553671	-9.73E-08	-0.045459	-9.39E-05	-1.94E-07	-0.618168	0.382131	0.146024	0.055801	1.004876	1.009776	1.0147	1.019648	0.000642	-6.78E-07	7.74E-10	-0.053444	3.26E-05	-3.66E-08	31.68629	137.9398
-0.55147	-0.553721	1.175677	6353094	6384072	-0.553721	-9.74E-08	-0.045535	-9.44E-05	-1.96E-07	-0.618237	0.382217	0.14609	0.055838	1.004876	1.009776	1.014699	1.019647	0.000644	-6.83E-07	7.82E-10	-0.053534	3.27E-05	-3.69E-08	31.68902	137.9346
-0.551476	-0.553727	1.175681	6353095	6384072	-0.553727	-9.74E-08	-0.045622	-9.50E-05	-1.98E-07	-0.618245	0.382227	0.146097	0.055842	1.004876	1.009776	1.014699	1.019647	0.000647	-6.88E-07	7.91E-10	-0.053637	3.29E-05	-3.73E-08	31.68921	137.9287
-0.551538	-0.553789	1.175727	6353098	6384073	-0.553789	-9.74E-08	-0.045671	-9.53E-05	-1.99E-07	-0.618331	0.382333	0.146179	0.055889	1.004876	1.009775	1.014698	1.019645	0.000648	-6.91E-07	7.96E-10	-0.053696	3.30E-05	-3.75E-08	31.6927	137.9253
-0.551591	-0.553842	1.175765	6353101	6384074	-0.553842	-9.74E-08	-0.045731	-9.56E-05	-2.00E-07	-0.618404	0.382424	0.146248	0.055929	1.004875	1.009774	1.014697	1.019644	0.00065	-6.95E-07	8.03E-10	-0.053769	3.32E-05	-3.77E-08	31.69564	137.9212
-0.551613	-0.553865	1.175782	6353103	6384075	-0.553865	-9.74E-08	-0.045814	-9.62E-05	-2.02E-07	-0.618435	0.382462	0.146277	0.055946	1.004875	1.009774	1.014697	1.019644	0.000652	-7.00E-07	8.12E-10	-0.053868	3.34E-05	-3.81E-08	31.69679	137.9155
-0.55169	-0.553942	1.175838	6353107	6384076	-0.553942	-9.74E-08	-0.045852	-9.64E-05	-2.03E-07	-0.618542	0.382595	0.146379	0.056004	1.004875	1.009773	1.014695	1.019642	0.000653	-7.02E-07	8.16E-10	-0.053914	3.34E-05	-3.83E-08	31.70115	137.9128
-0.551768	-0.55402	1.175895	6353111	6384078	-0.55402	-9.74E-08	-0.04589	-9.66E-05	-2.04E-07	-0.61865	0.382728	0.146481	0.056062	1.004874	1.009772	1.014694	1.01964	0.000655	-7.05E-07	8.20E-10	-0.053962	3.35E-05	-3.84E-08	31.70556	137.9101
-0.551805	-0.554057	1.175922	6353114	6384078	-0.554057	-9.74E-08	-0.045972	-9.72E-05	-2.05E-07	-0.618701	0.382792	0.146529	0.05609	1.004874	1.009772	1.014693	1.019639	0.000657	-7.10E-07	8.29E-10	-0.05406	3.37E-05	-3.88E-08	31.70754	137.9045
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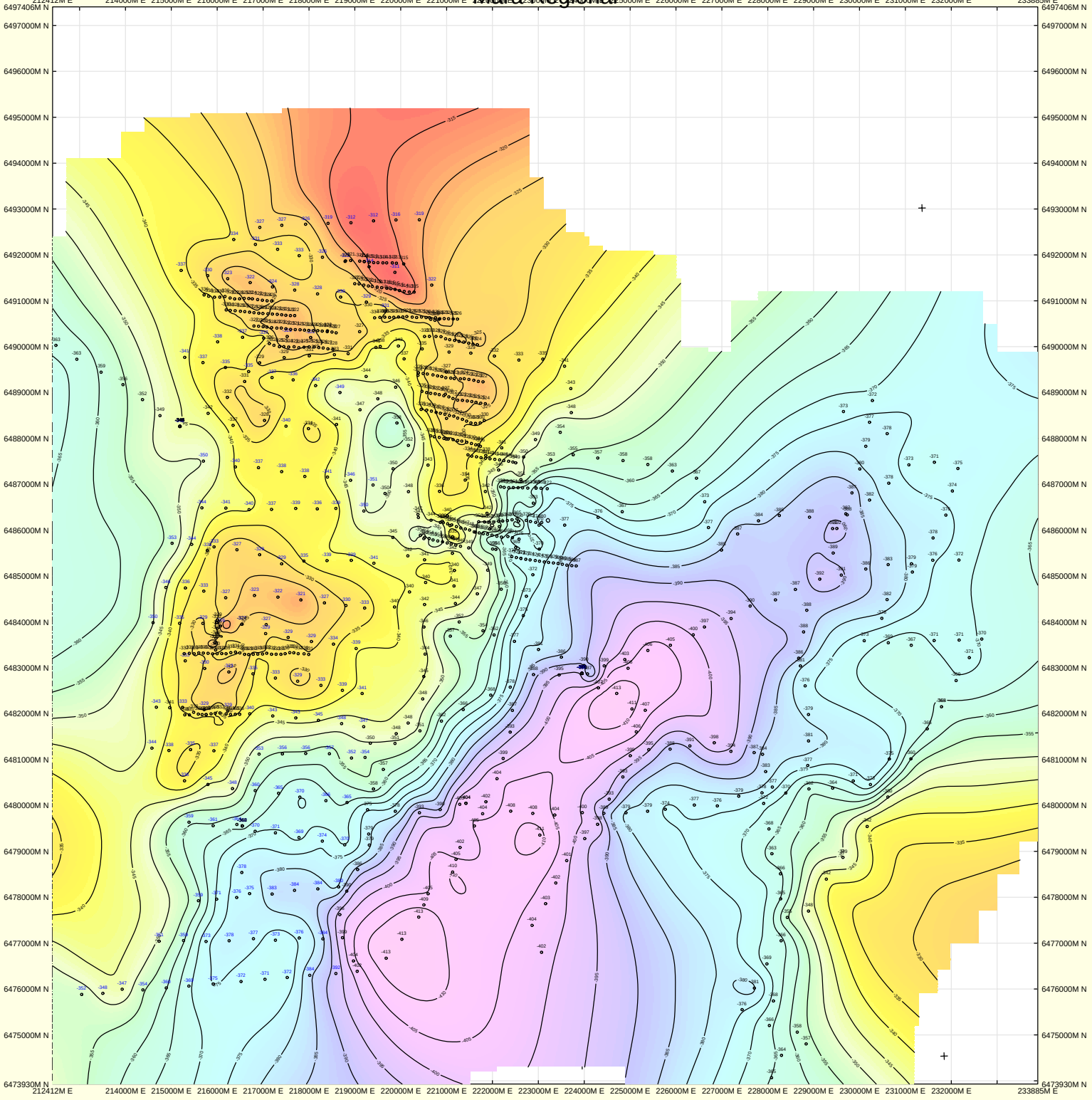
Mara Regional



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KILOMETRES

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WGS 1984 SPHEROID
CENTRAL MERIDIAN 141 00 00 E
Mapsheet datum: "Unknown"

ALLENDER EXPLORATION

Mara Pty Ltd

Bouguer Gravity rho=2.67g/cc

Date : April 9, 2002	Author : J.f.Allender
Original Scale : 1:50000	Drafted : Petroseis Software
Map Projection : UTM	Map Spheroid : WGS84
C.M. : 141 00 00E	Map Zone :54

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Scale 1:50 000

2 0 2 4

Kilometers

Bouguer contours over RTP image

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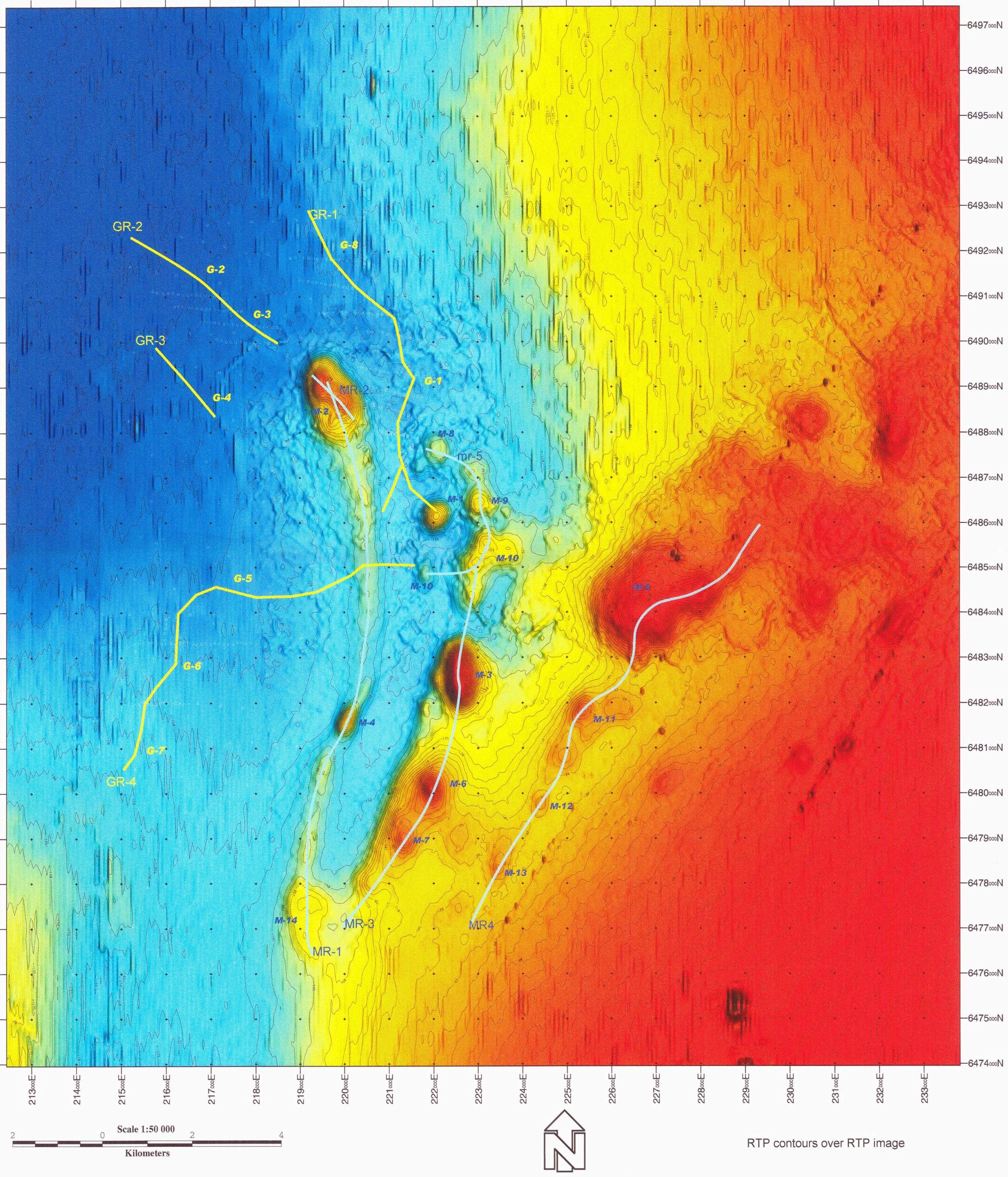
Kilometers

RTPcontours over Bouguer image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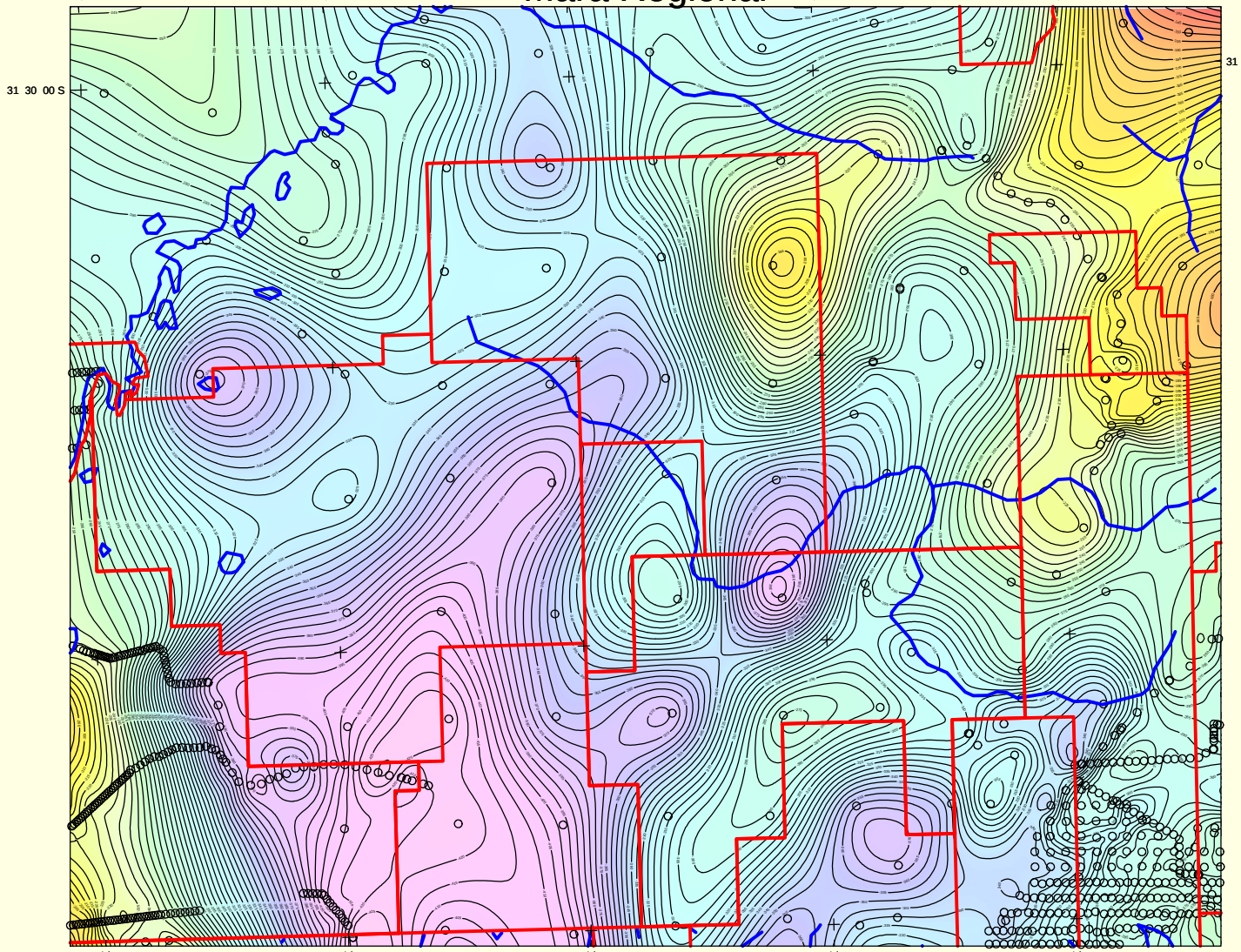
RTP contours over RTP image

Mara Regional



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KILOMETRES

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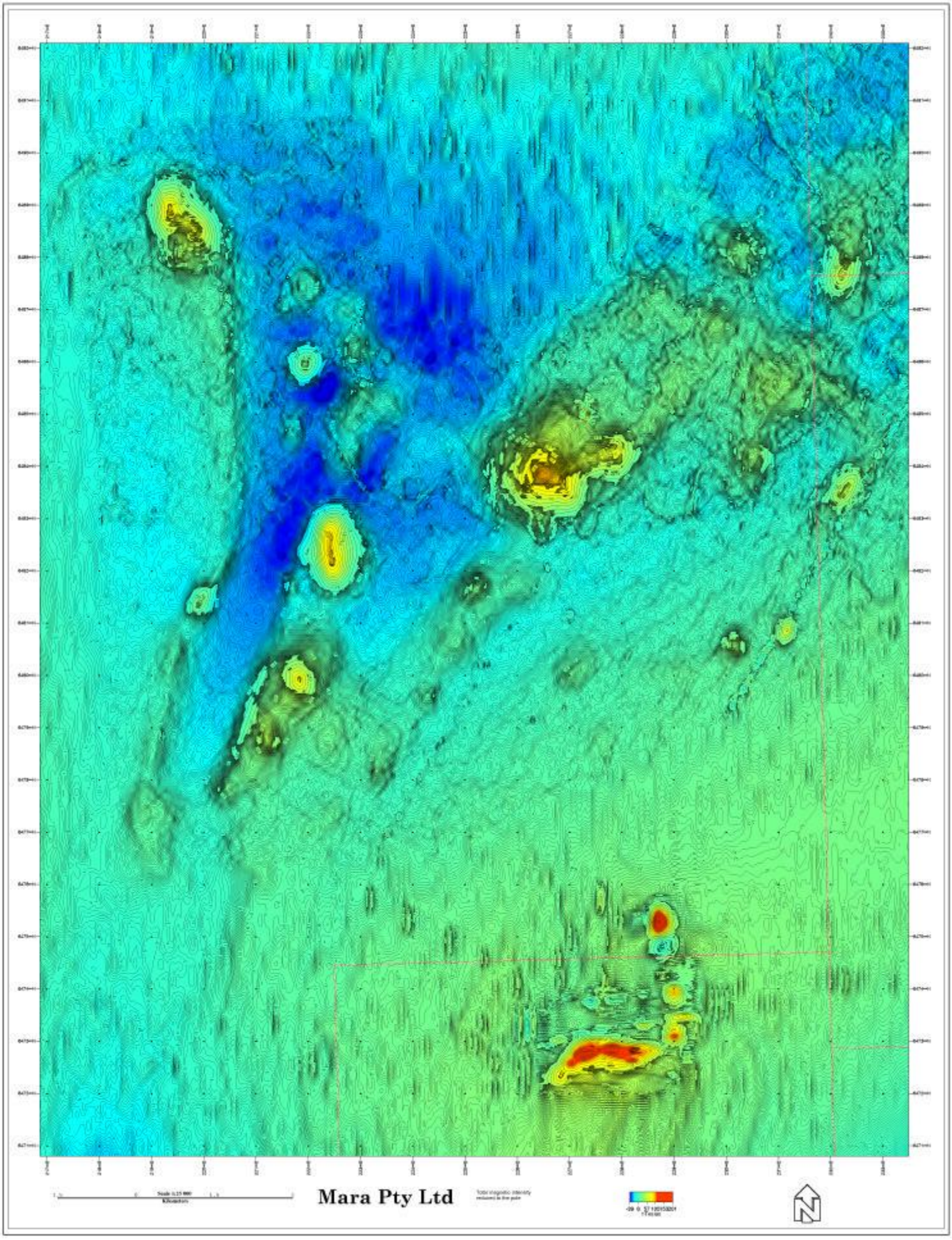
WGS 1984 SPHEROID
CENTRAL MERIDIAN 141 00 00 E
Mapsheet datum: "Unknown"

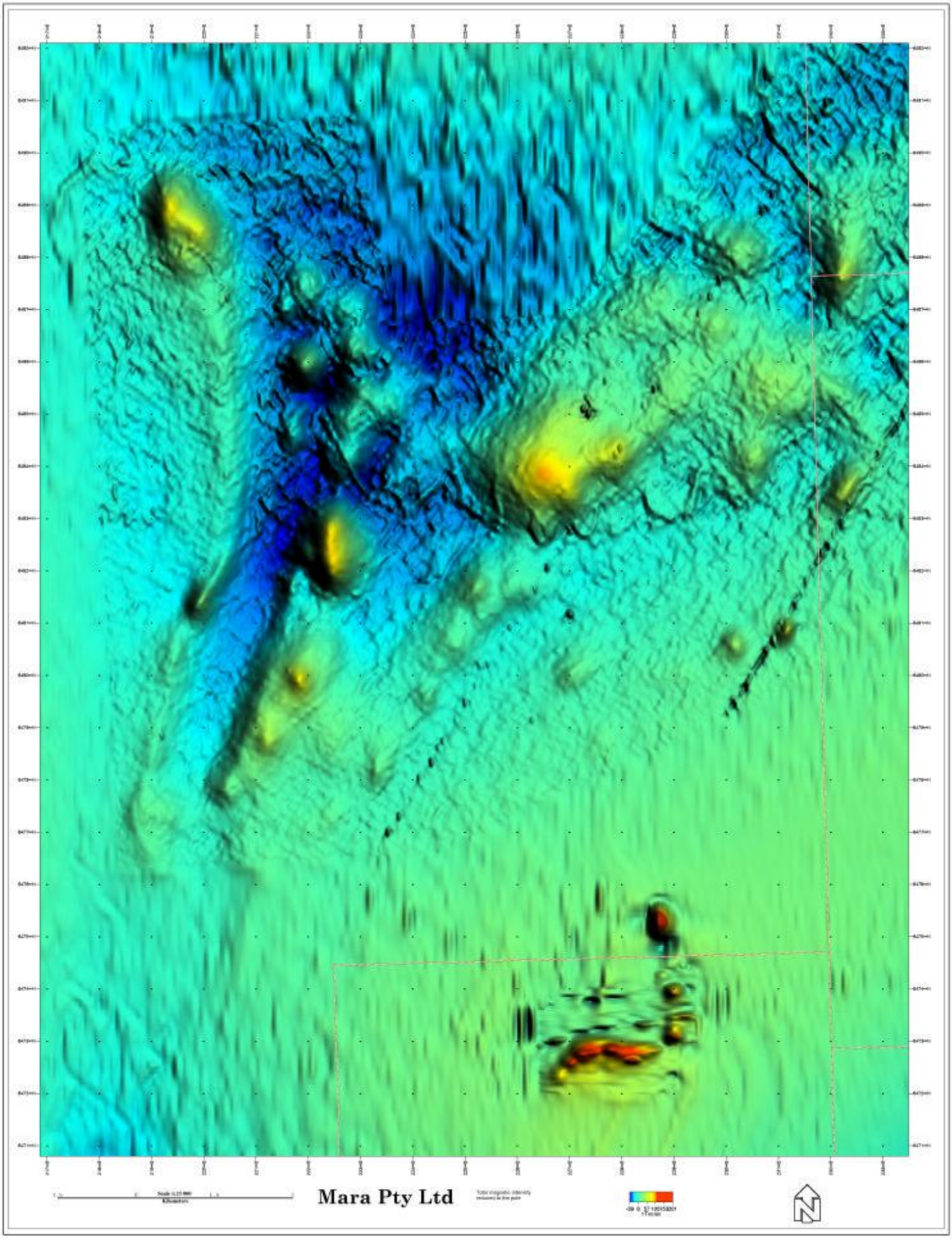
ALLENDER EXPLORATION

Bouguer Gravity
Contour Interval = 1 gravity unit (~1foot)

rho =2.67 gm/cc

Date : December 9, 2001	Author : J.f.Allender
Original Scale : 1:250000	Drafted : Petroseis Software
Map Projection : UTM	Map Spheroid : WGS84
C.M.: 141 00 00E	Map Zone :54


Mara Pty Ltd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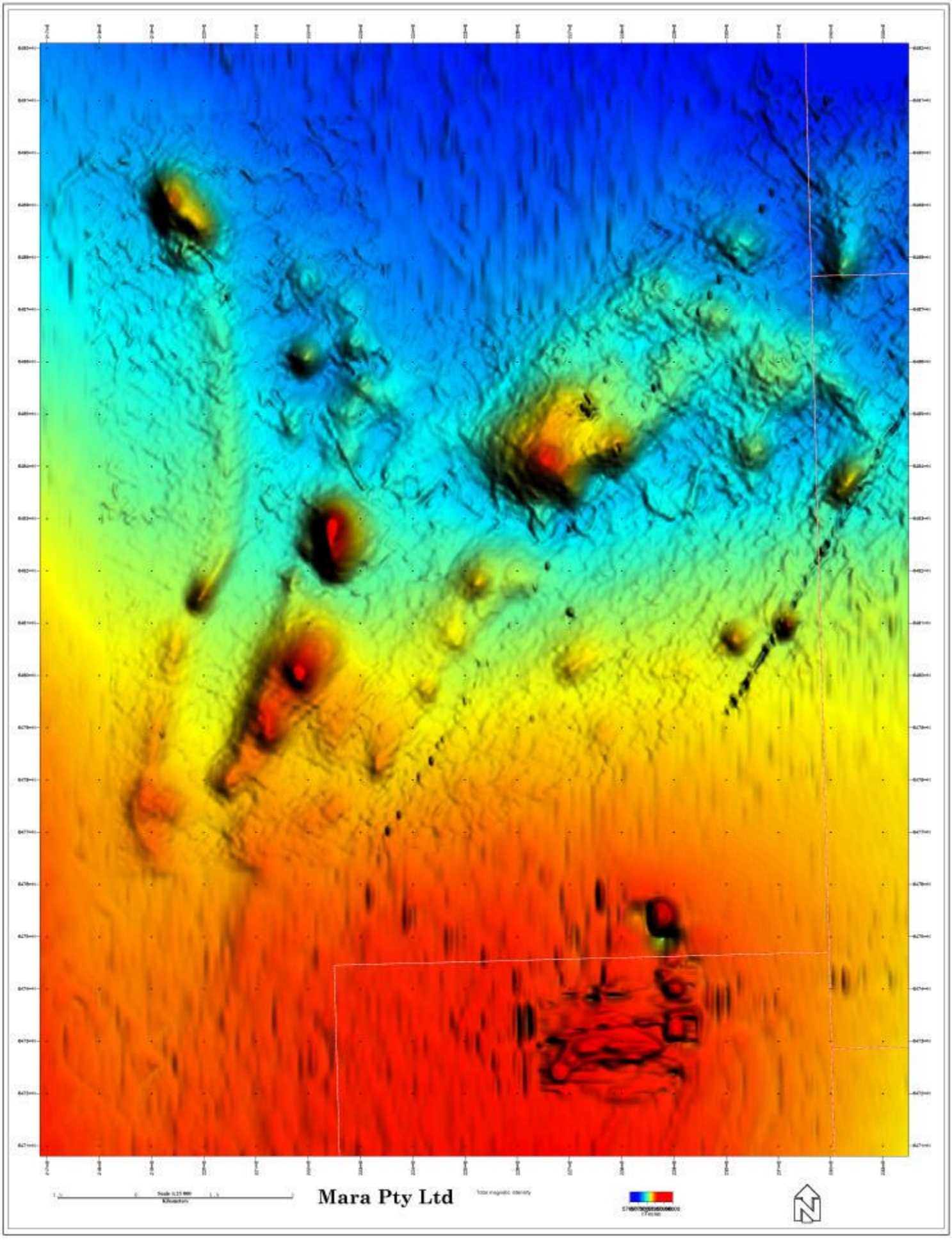
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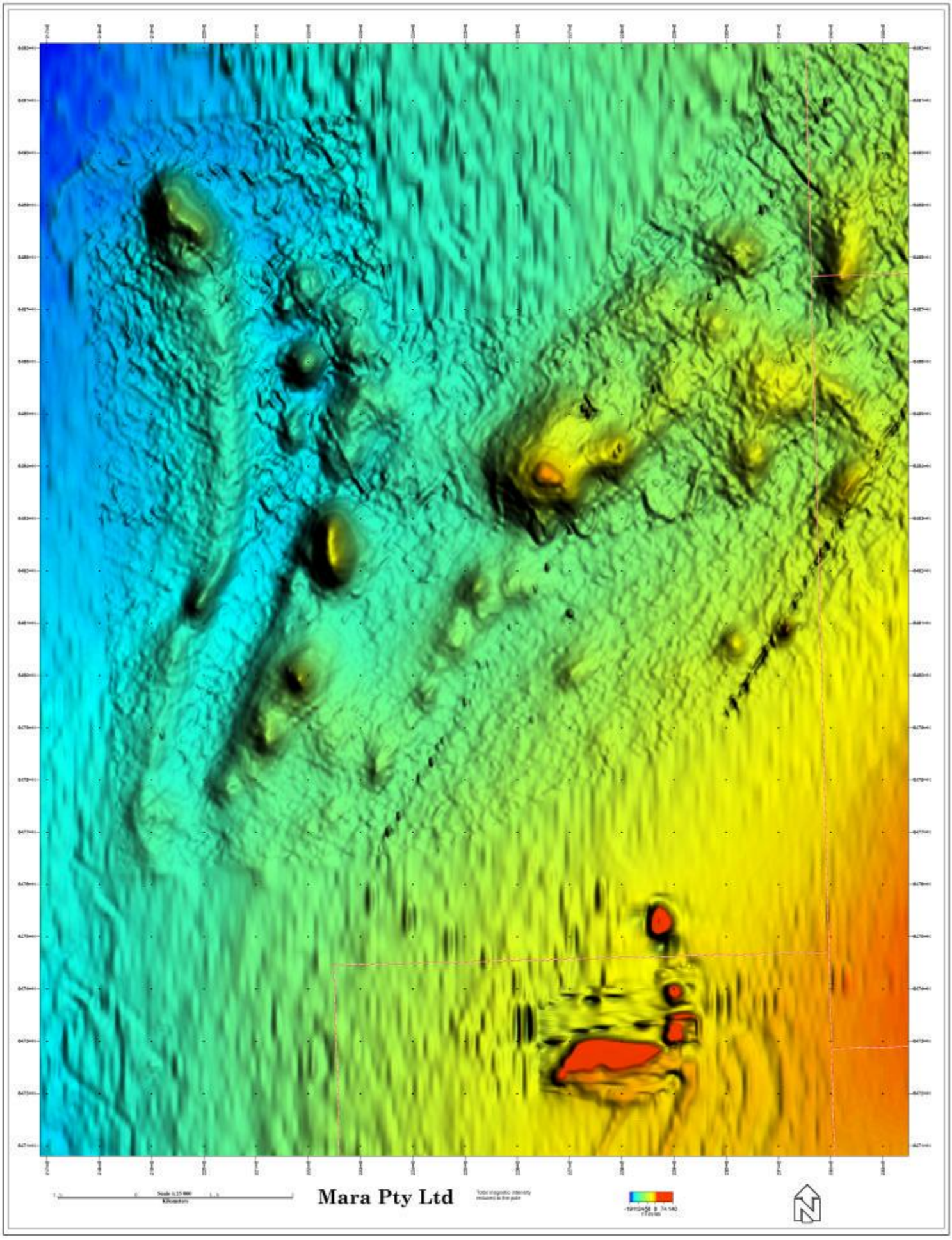
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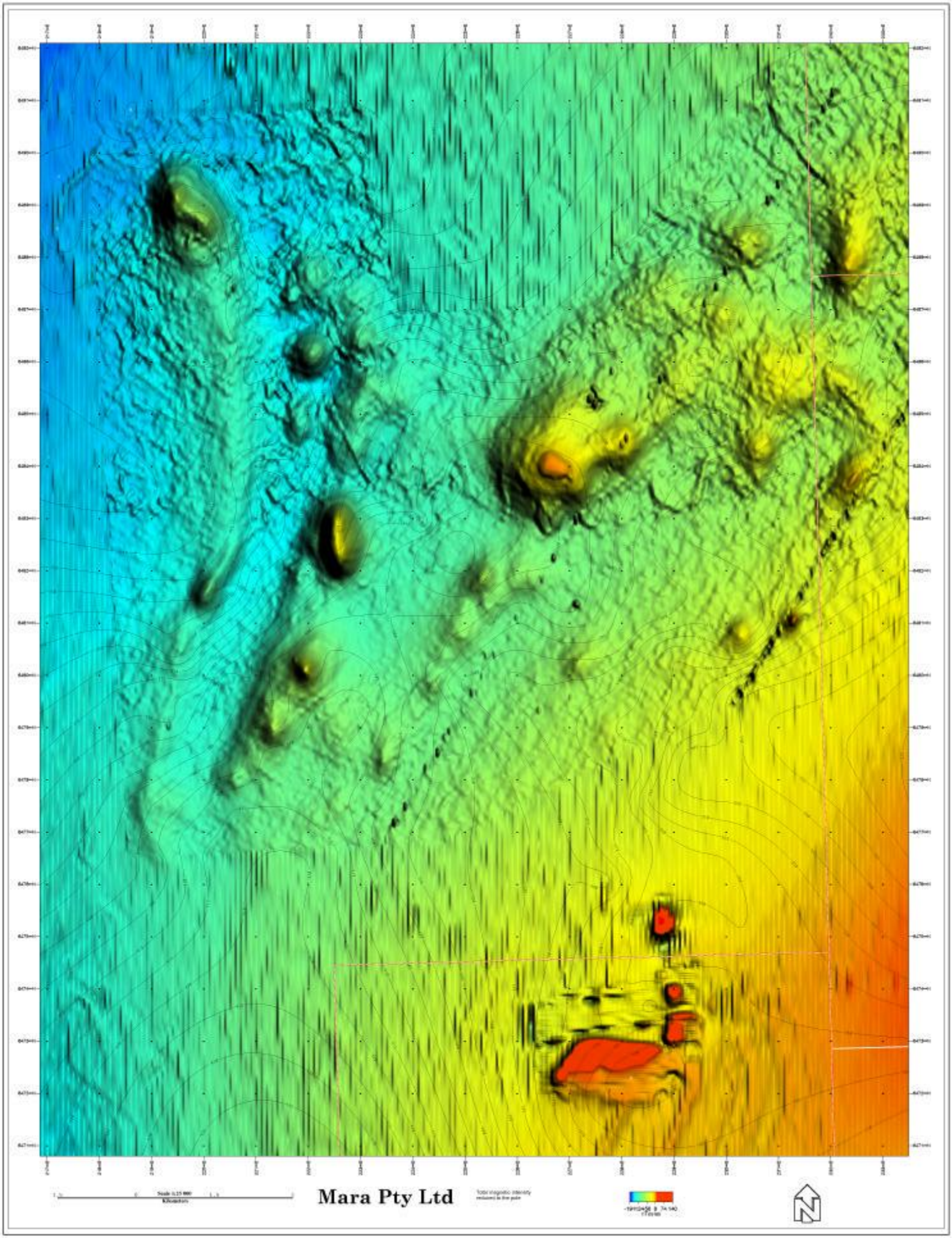
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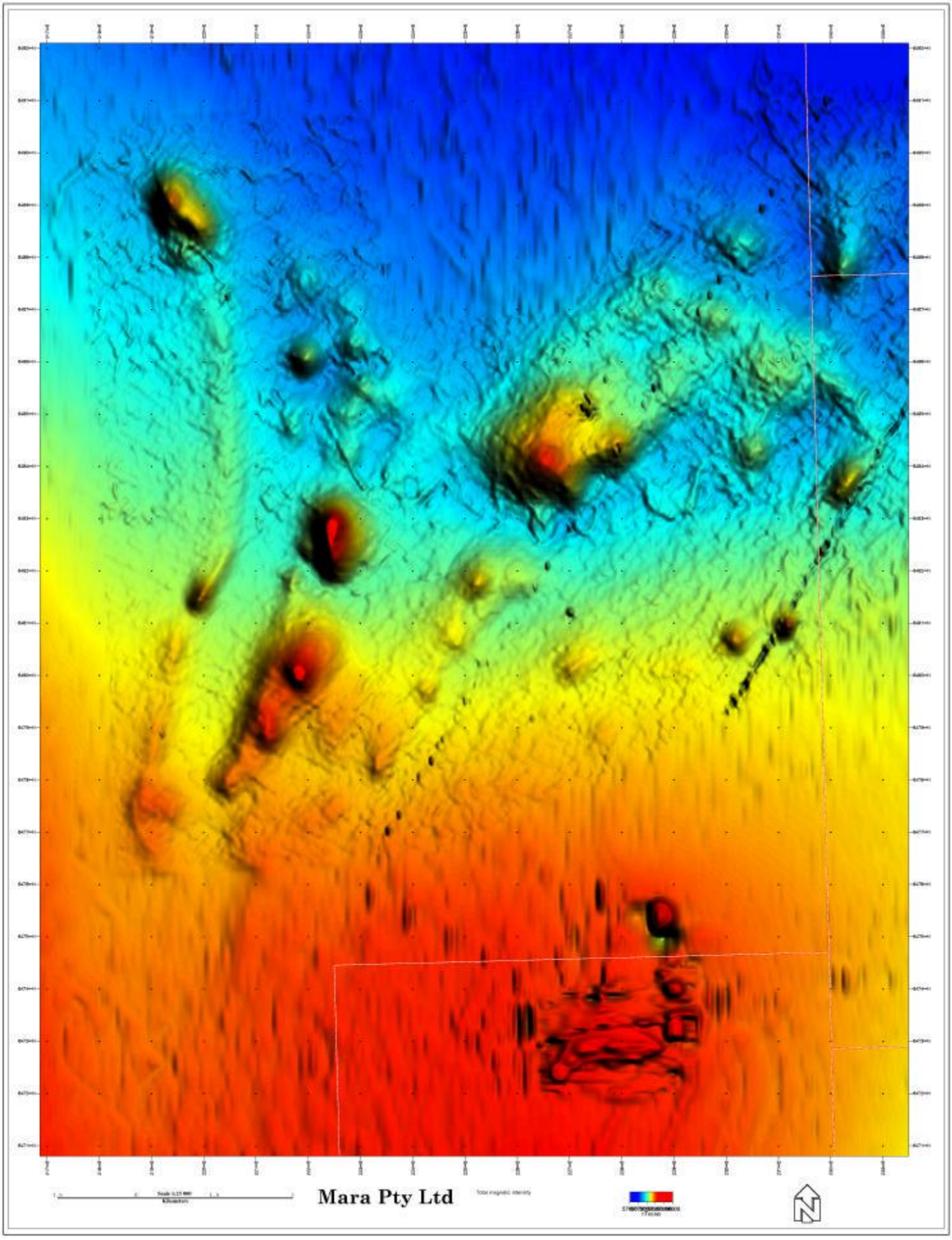
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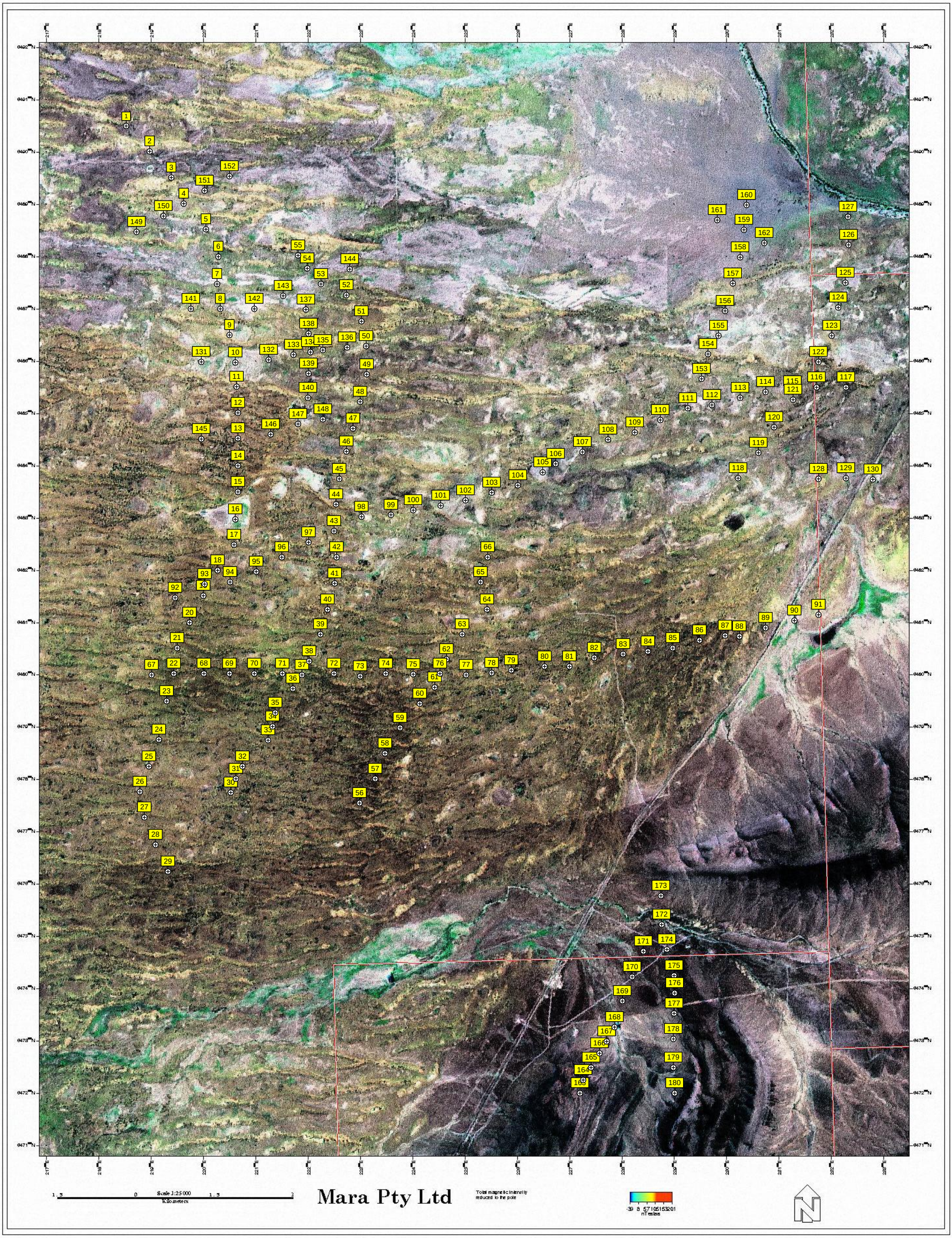
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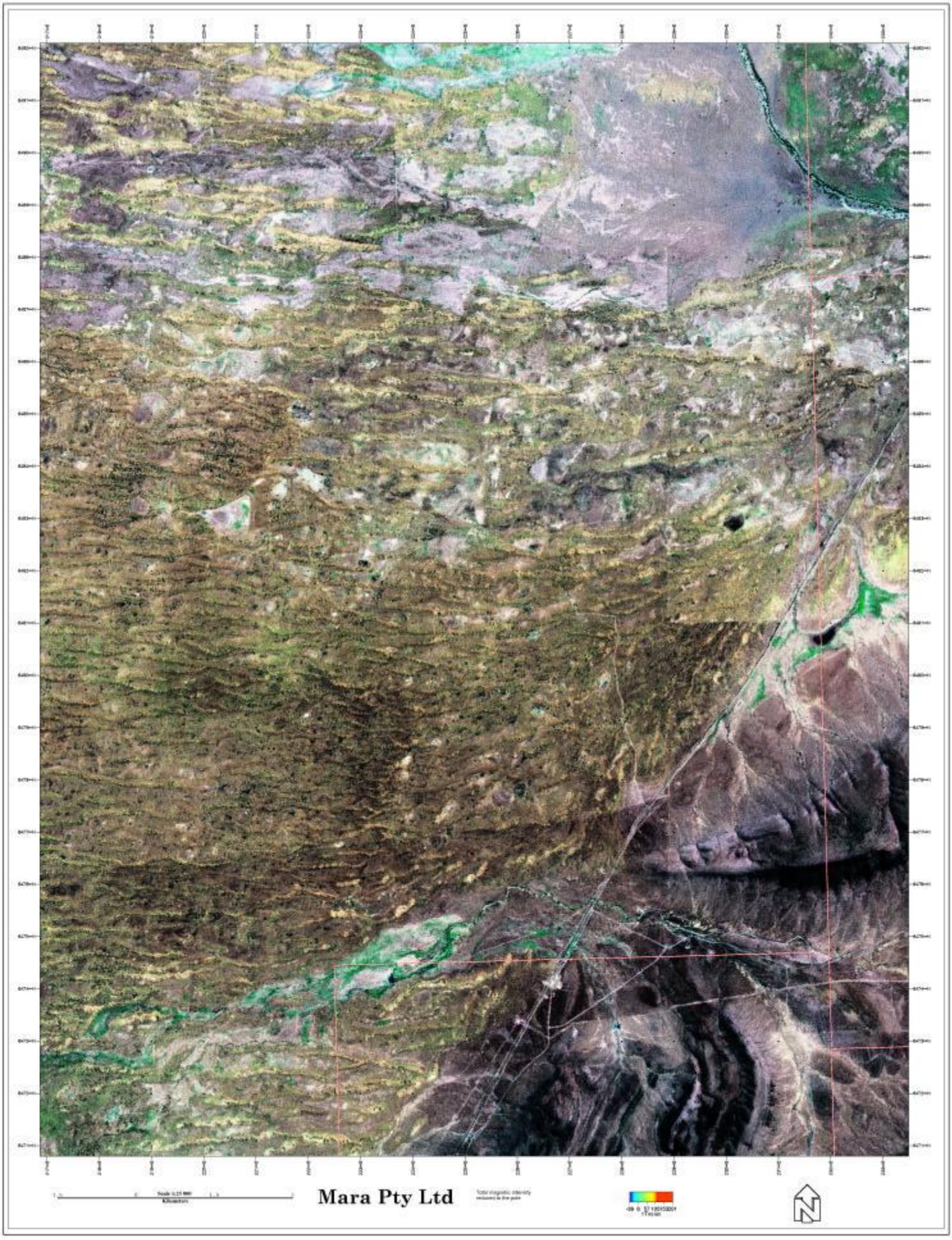
nTeslas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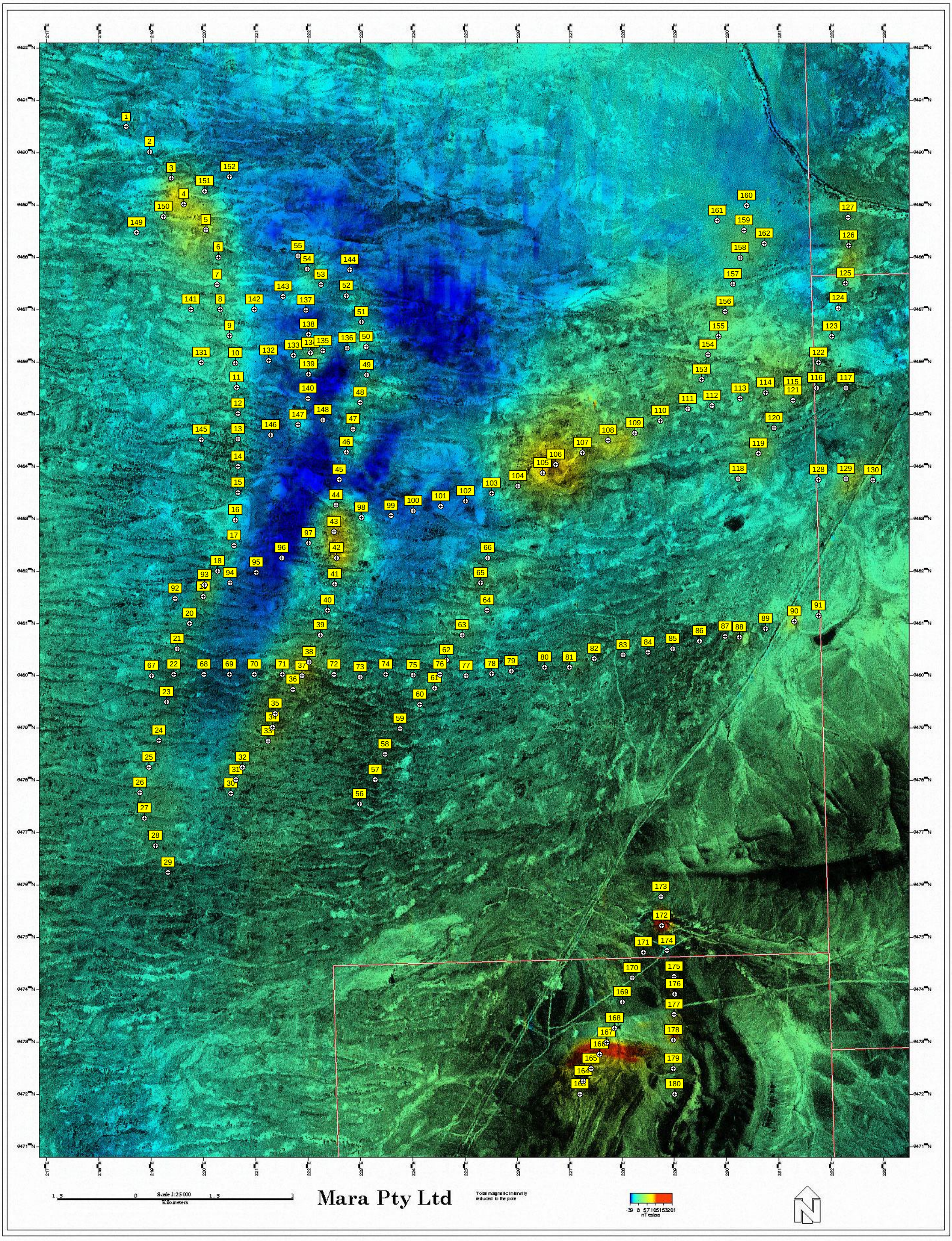
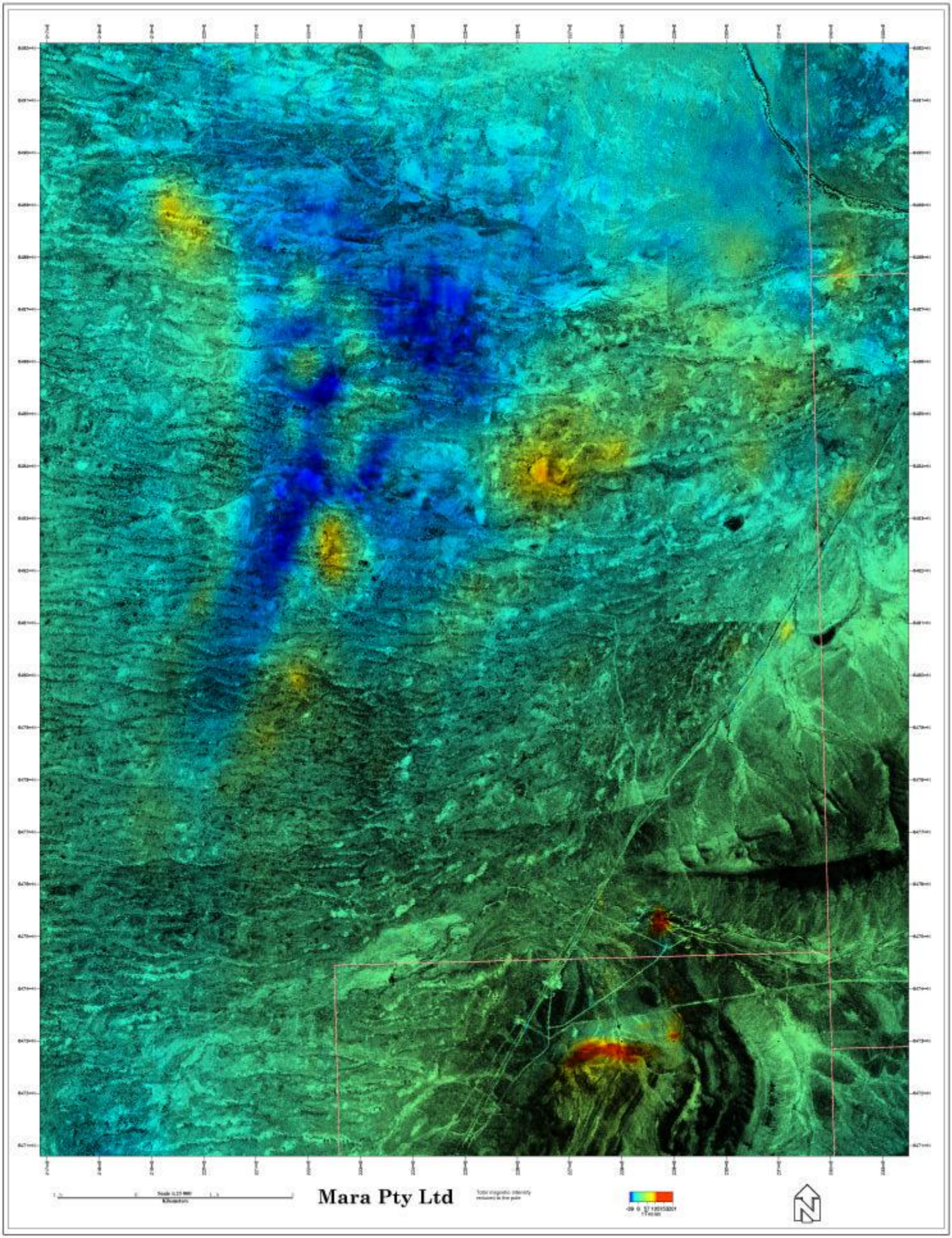

Mara Pty Ltd
Total magnetic intensity reduced to the pole
Scale 1:25 000
Kilometers
nTeslas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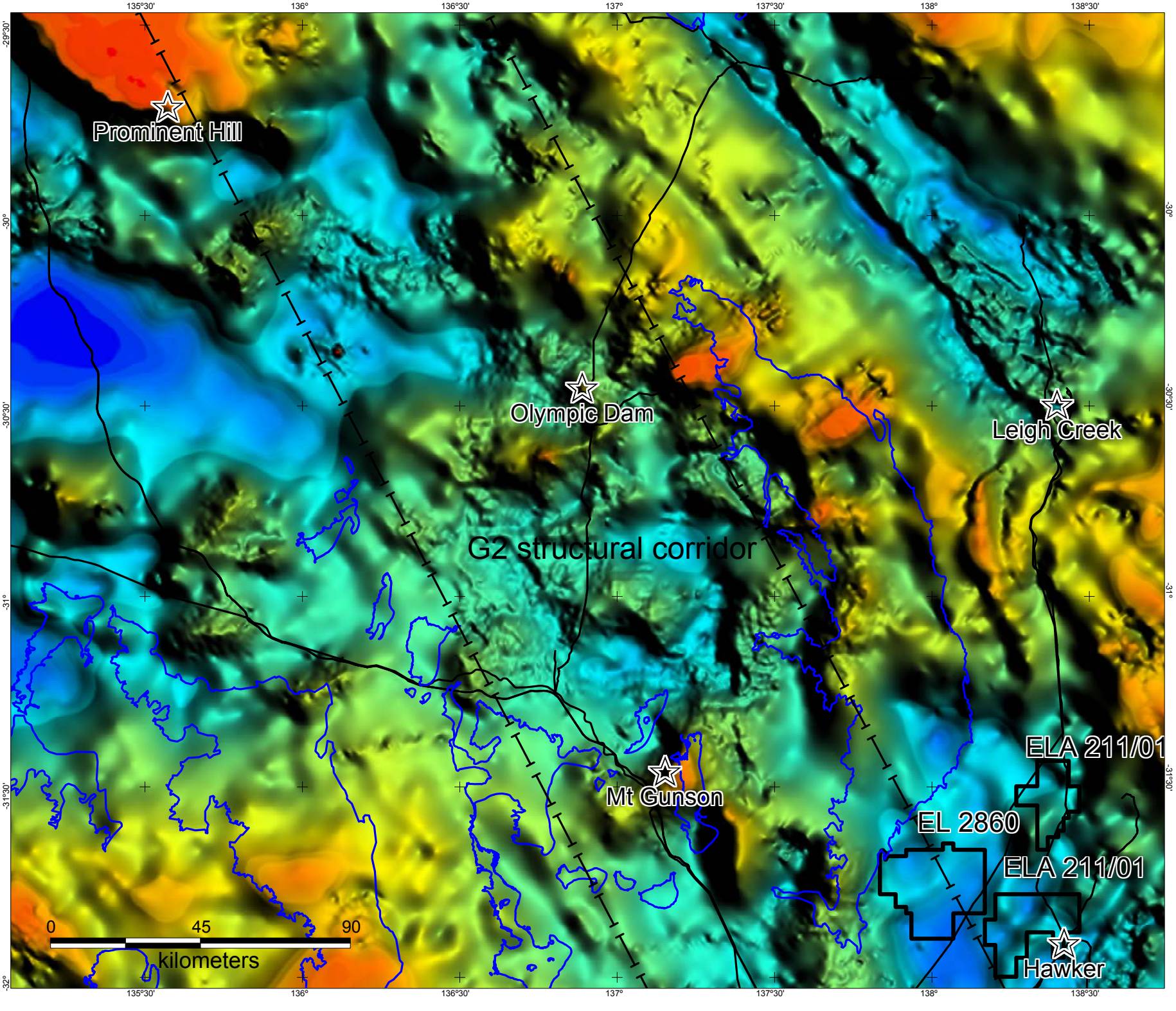
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Prominent Hill
Olympic Dam
Leigh Creek
G2 structural corridor
Mt Gunson
ELA 211/01
EL 2860
ELA 211/01
Hawker
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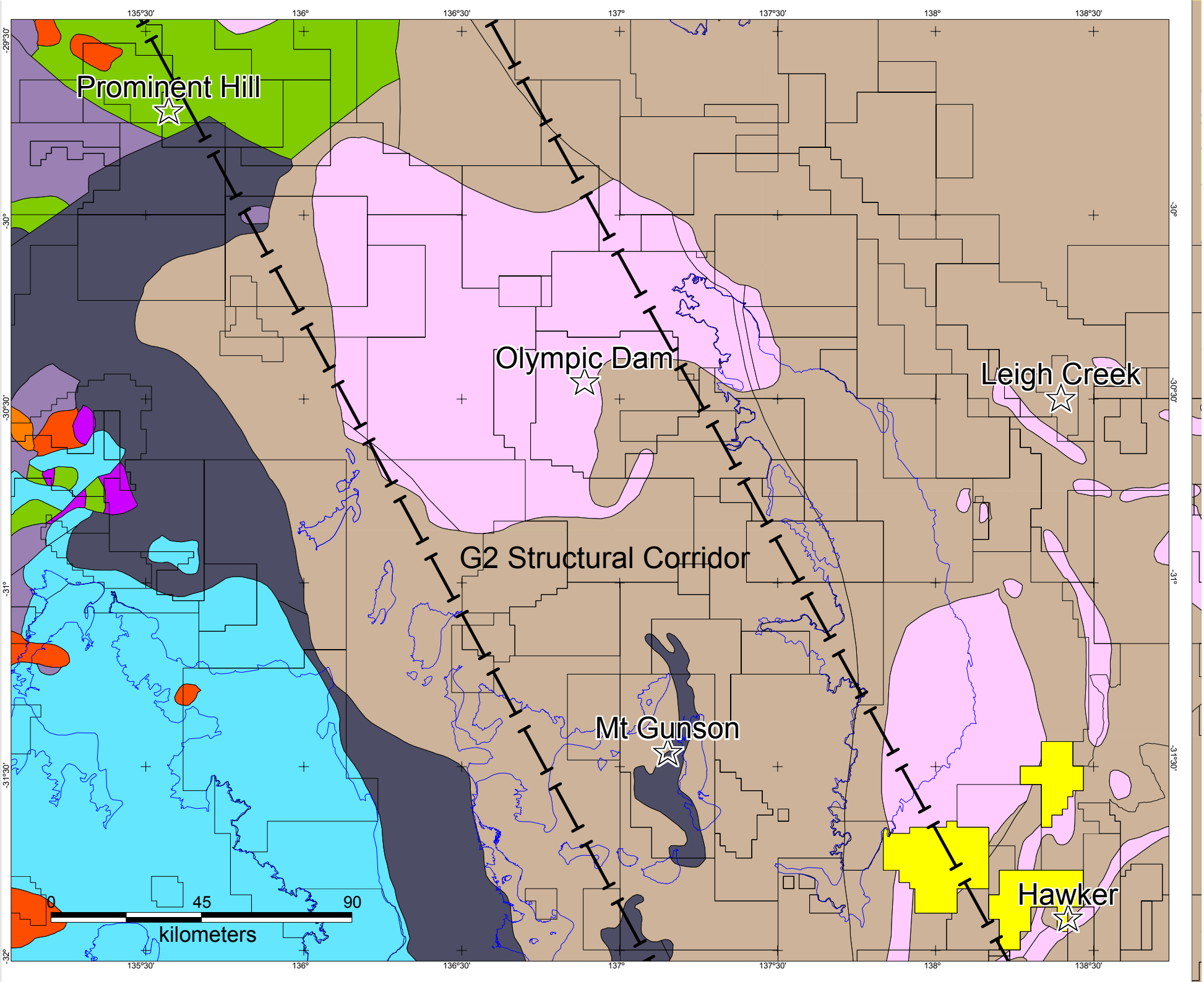
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Olympic Dam
Leigh Creek
G2 Structural Corridor
Mt Gunson
Hawker
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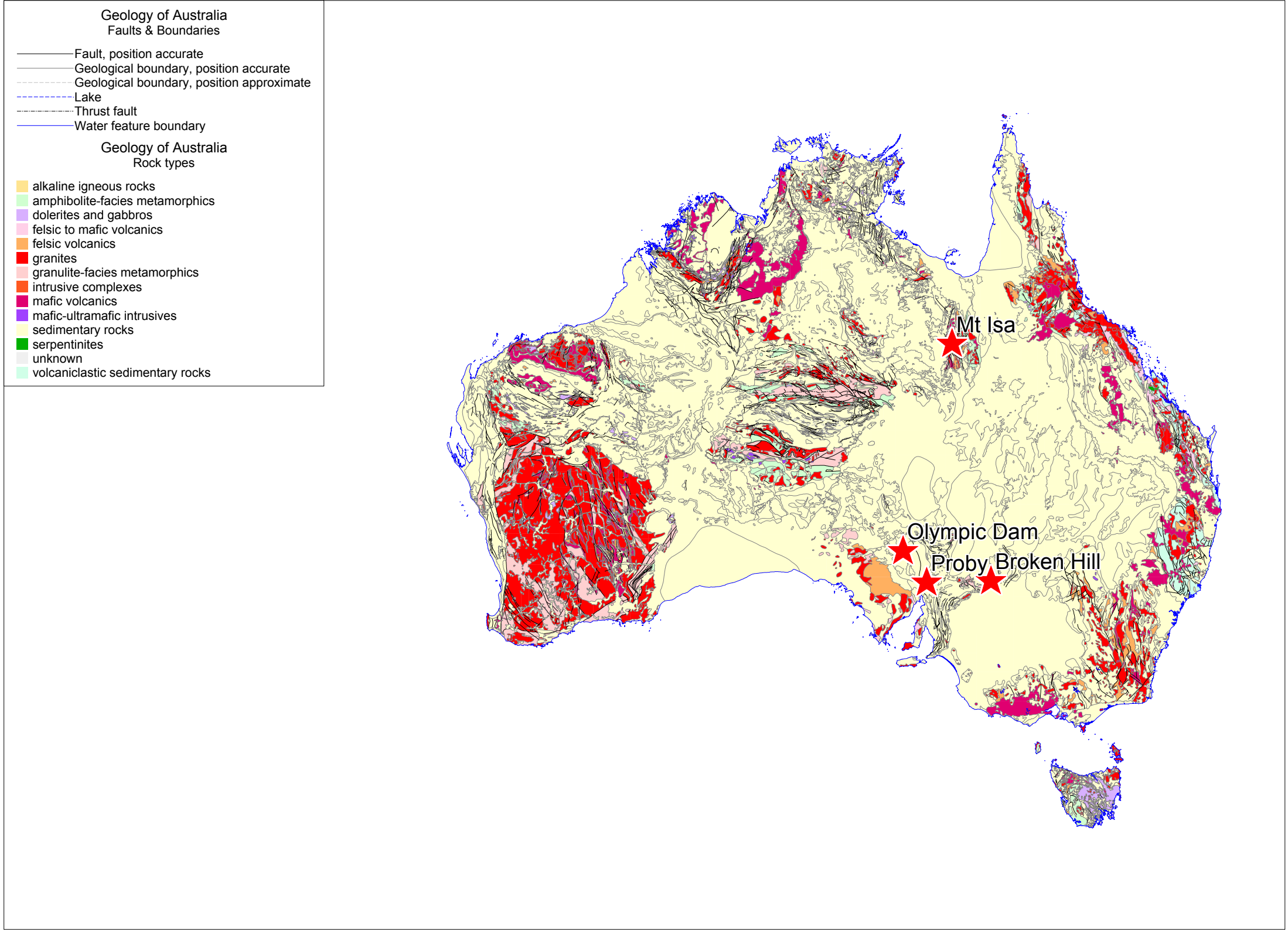
Geology of Australia
Faults & Boundaries
Fault, position accurate
Geological boundary, position accurate
Geological boundary, position approximate
Lake
Thrust fault
Water feature boundary
Geology of Australia
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alkaline igneous rocks
amphibolite-facies metamorphics
dolerites and gabbros
felsic to mafic volcanics
felsic volcanics
granites
granulite-facies metamorphics
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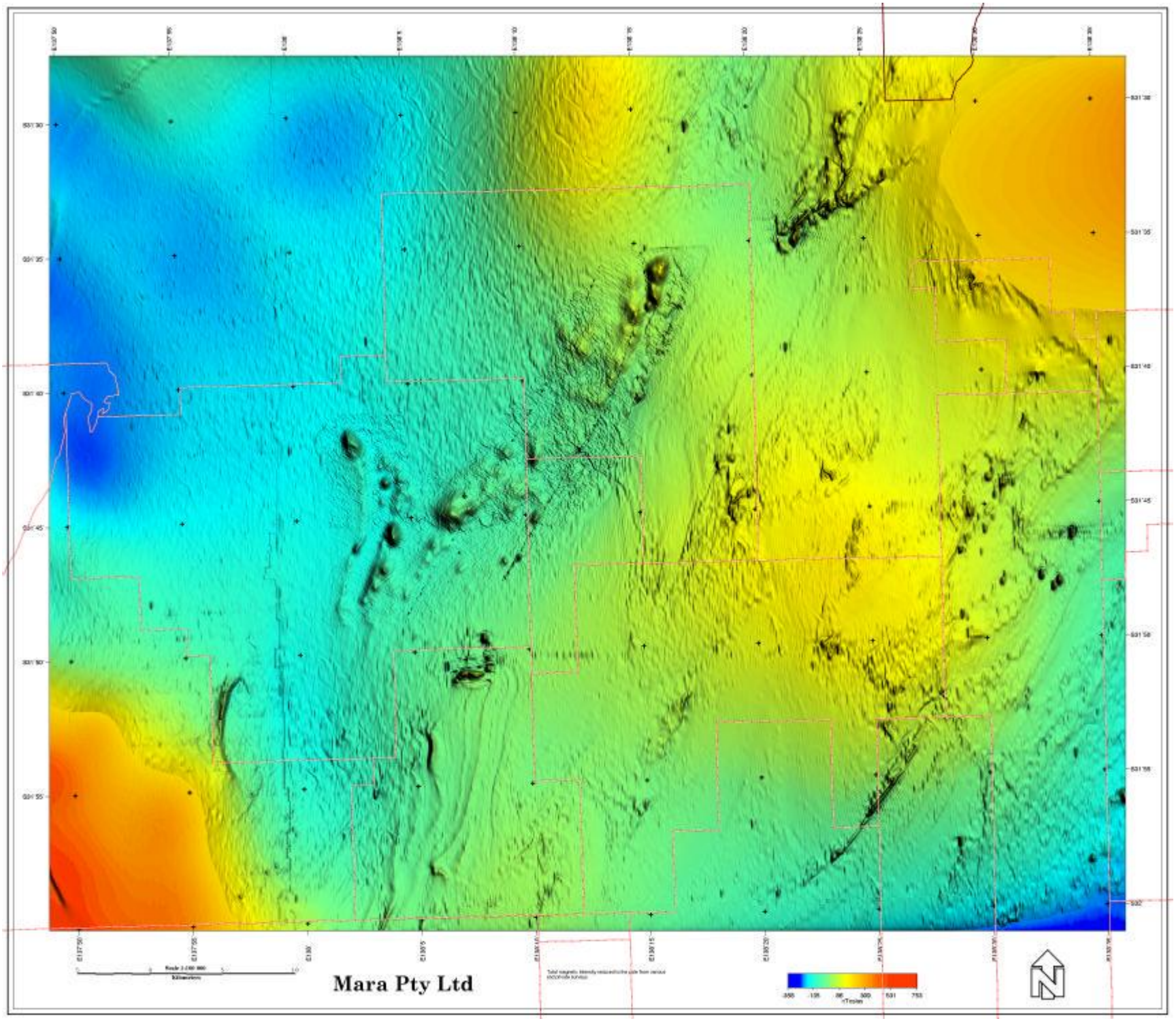
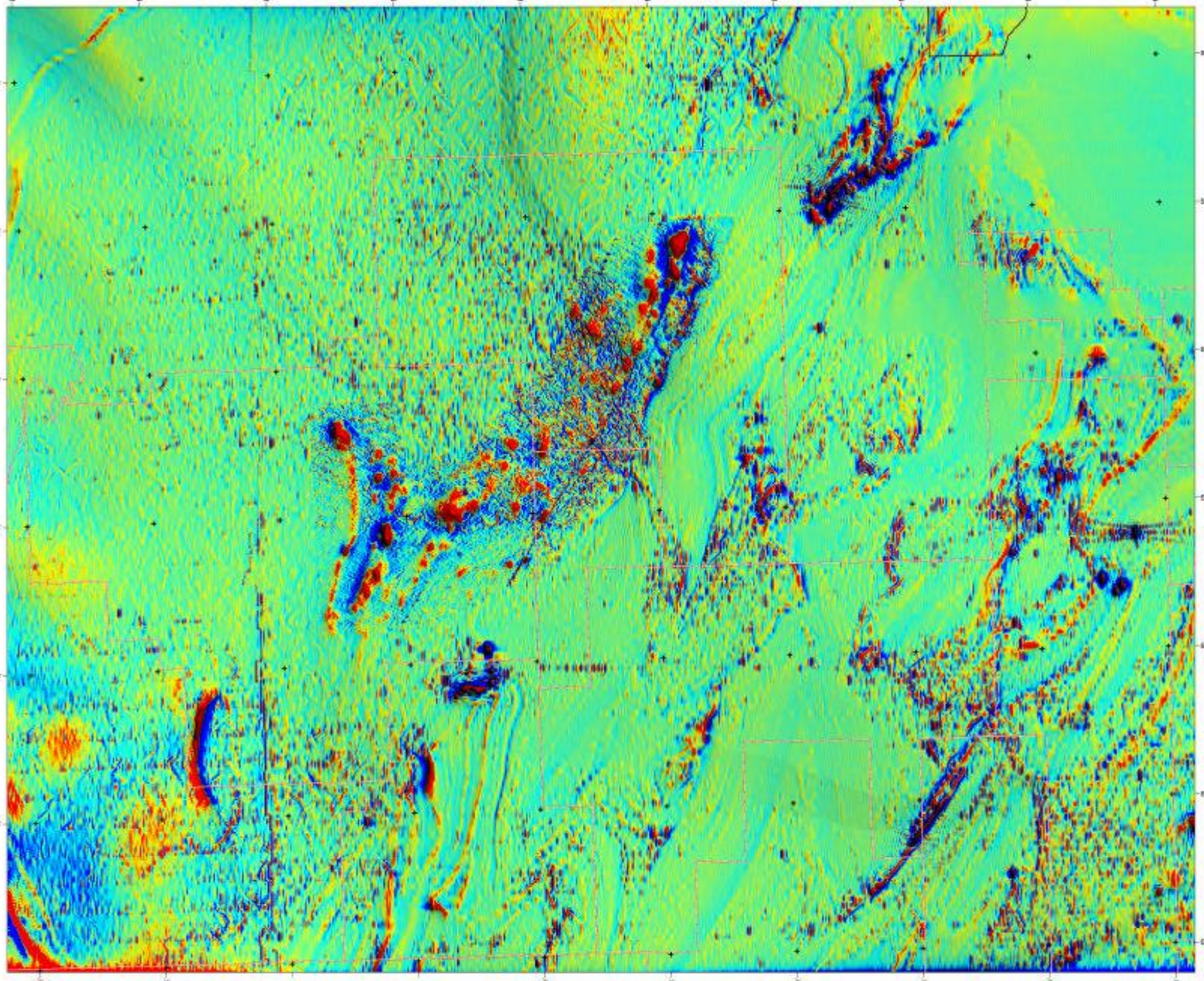
Proby
Broken Hill


Mara Pty Ltd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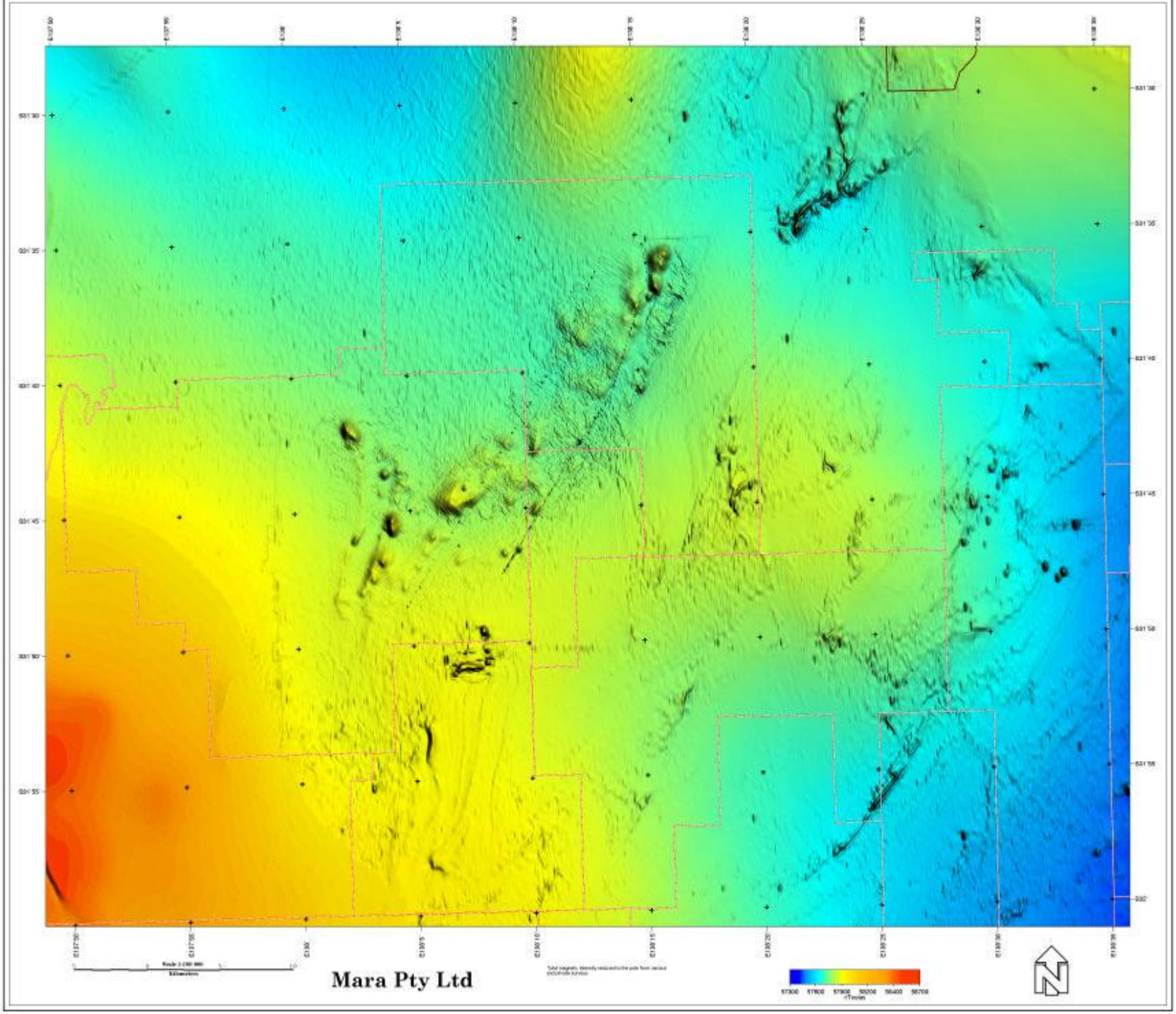
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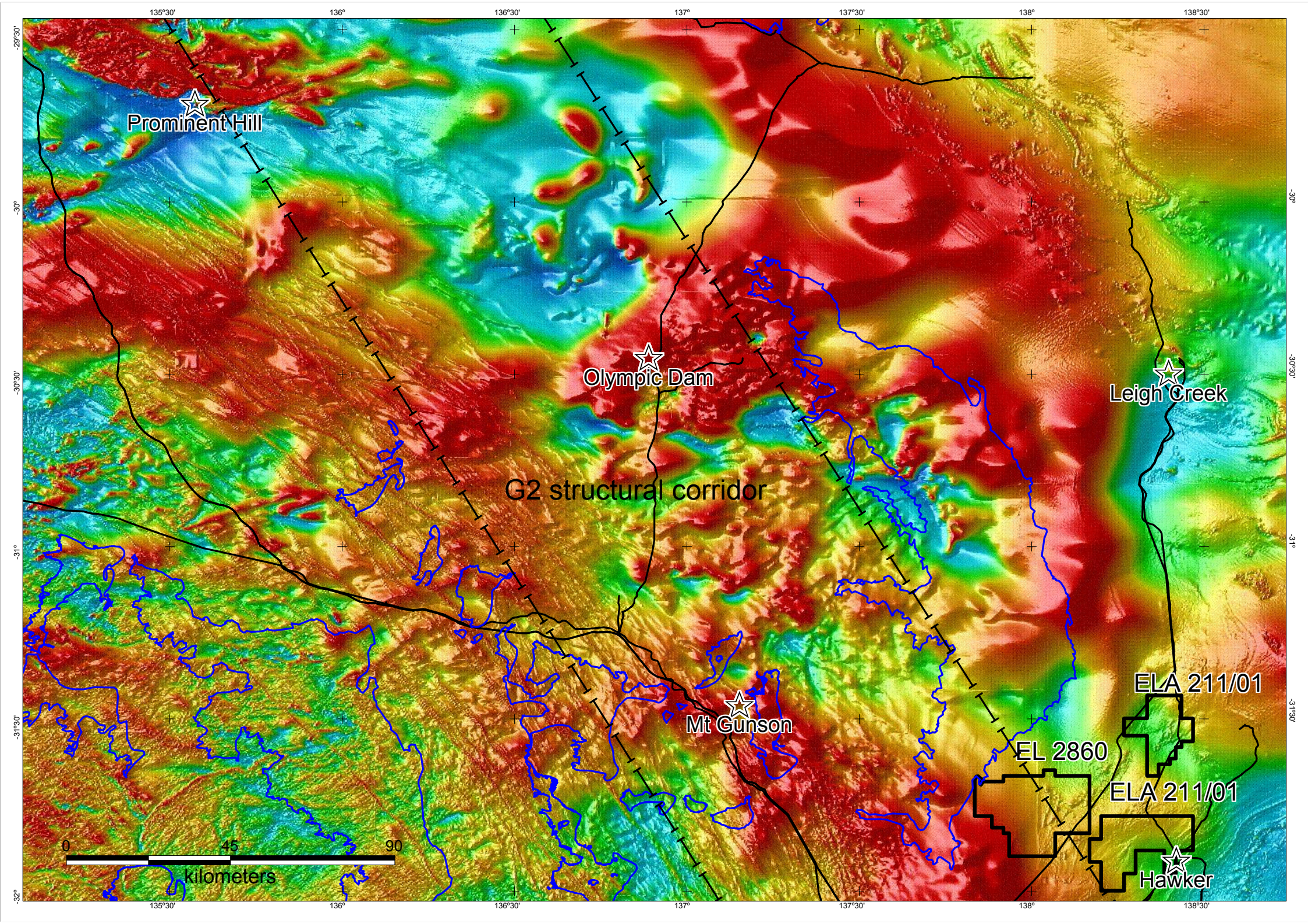
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G2 structural corridor
Mt Gunson
ELA 211/01
EL 2860
ELA 211/01
Hawker
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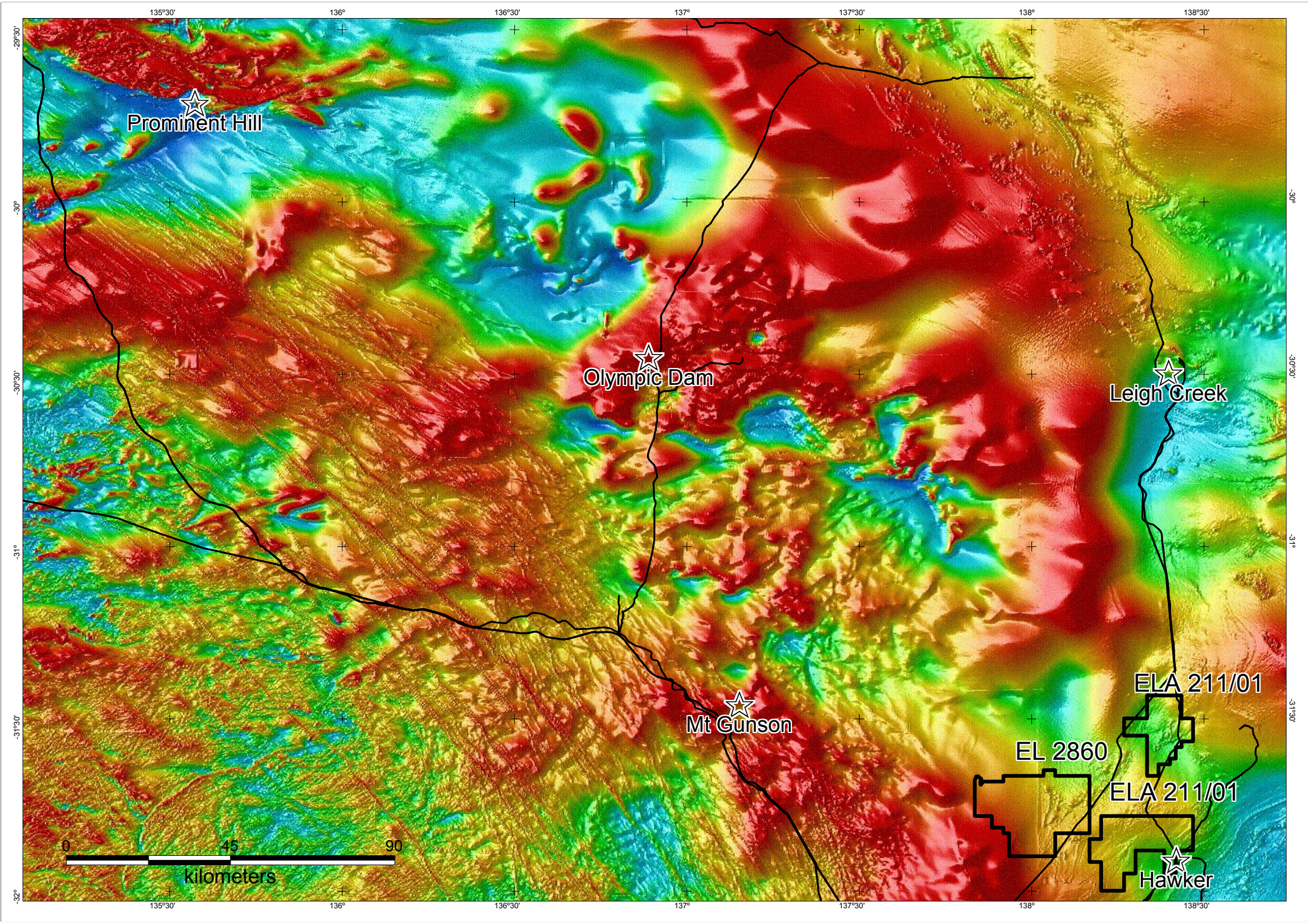
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-32°
Prominent Hill
Olympic Dam
Leigh Creek
Mt Gunson
ELA 211/01
EL 2860
ELA 211/01
Hawker
0
45
90
kilometers

NEUROODLA

1:50 000 TOPOGRAPHIC SERIES

SECOND EDITION

QE TK

SOUTH FLINDERS RANGES

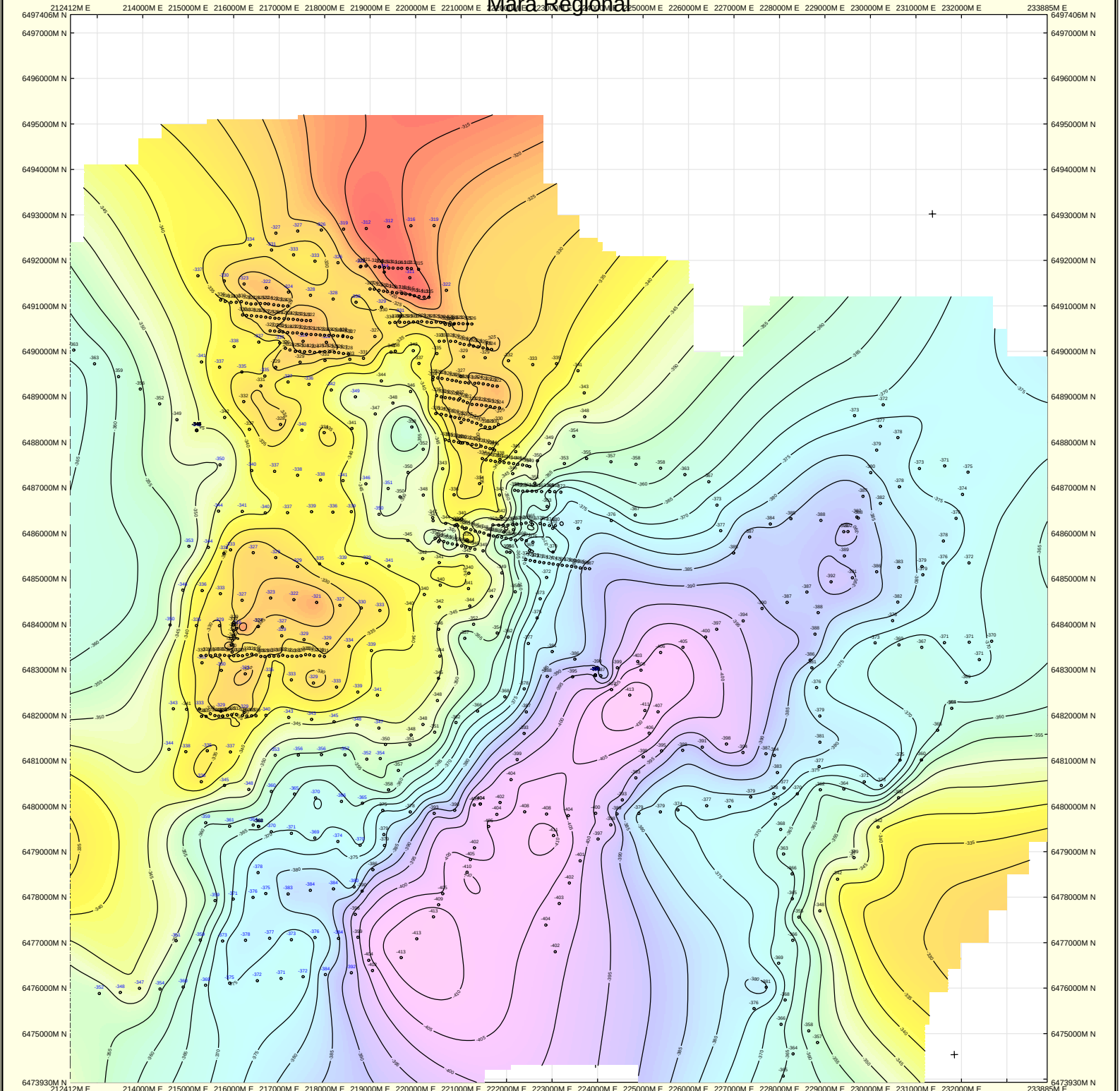
WILLOCHRA CREEK

MOUNT STEVENS

WILDOOR RANGE

QE TK

Mara Regional



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KILOMETRES

UNIVERSAL TRANSVERSE MERCATOR PROJECTION
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CENTRAL MERIDIAN 141 00 00 E
Mapsheet datum: "Unknown"

ALLENDER EXPLORATION

Mara Pty Ltd

Bouguer Gravity rho=2.67g/cc

Date : April 9, 2002	Author : J.F.Allender
Original Scale : 1:50000	Drafted : Petrosesis Software
Map Projection : UTM	Map Spheroid : WGS84
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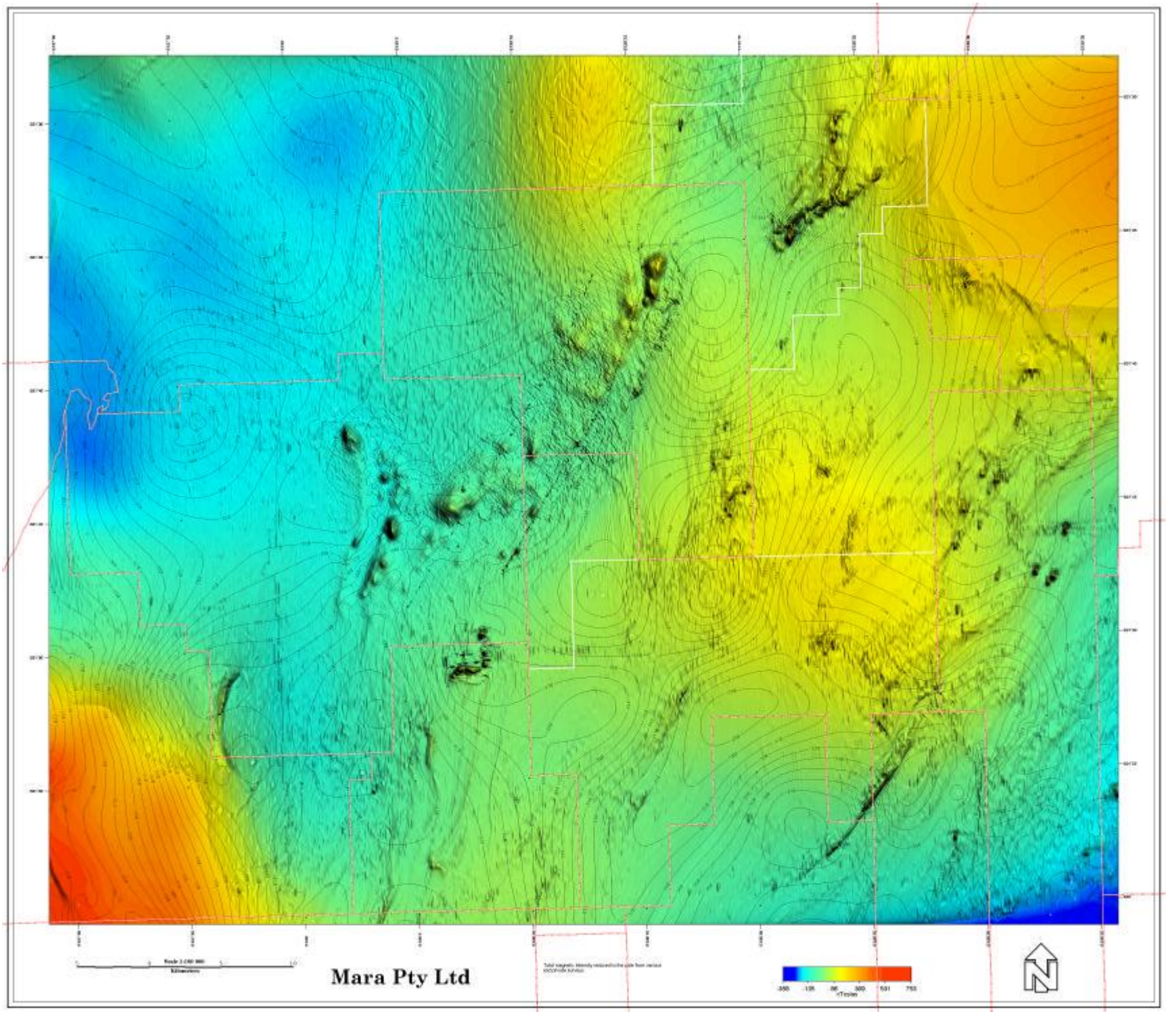
Mara Pty Ltd

MARA PTY LTD

ANNUAL REPORT FOR EL 2860

LAKE TORRENS SOUTH AUSTRALIA

For the period

22/10/2001 to 21/10/2002

Prepared by:
A . Birkner
November 2002

PIRSA
R2003/00004
02224531

1 , Introduction

2 , Tenement Status

3 , Exploration Strategy

3.1 , Previous Exploration
3.2 , Mara Exploration

4 , Expenditure

5 , Future Work

1, Introduction

The Gawler (Lake Torrens) EL 2860 is located near Hawker, approximately 100 kilometers north to northwest of Port Augusta.

The license is situated in a predominantly soil and alluvial covered area on the eastern side of the Gawler Craton.

Mara Pty Ltd was granted the license in October 2001.

1 , Tenement Status

The tenement was granted on the 22 October 2001 for a period of one-year .The term of the tenement expires on 21 October 2002.
Mara Pty Lty wishes to apply for an extension for a further 12 month over the existing tenement area.

3, Exploration Strategy

3.1 Previous Exploration

The high resolution air born geophysical survey by the South Australian department of mines and energy completed in March 1995 created geophysical targets that were further investigated by the previous tenement holder.

Preliminary interpretation of the data captured over the license revealed numerous geophysical anomalies with many of the signatures characteristic of kimberlite intrusions. Among other features of interest, a Central zone with a number of discrete magnetic targets at accessible depth has base and precious metal potential. A large sedimentary basin interpreted in the western part of the license, has potential for a Triassic coal end is comparable with other basins of this type in the region, notably that at Leigh Creek.

Conceptually, the project area contains the prerequisites for the formation of gold and base metal deposits, particularly copper -rich deposits. There are a number of large end conspicuous magnetic anomalies that constitute high priority targets. These targets are considered to occur within the same broad geological sitting as the giant Roxby Downs copper-gold-uranium ore body some 200 kilometers to the northwest end the recently discovered Prominent Hill copper gold uranium prospect.

The exploration work comprised ground magnetic surveys over 41 geophysical anomalies, low level aero magnetic surveys in the Central domain, orientation Geo chemical surveys in areas of outcrop, stream sediment end rock-chip sampling and geological mapping. Interpretation of the data generated targets for reconnaissance drilling. Twenty-five rotary mud end reverse circulation drill holes were completed for a a total of 3357 meters of drilling. The drill holes were designed to provide preliminary testing of 25 target zones. As yet none of the high priority targets in the Central Domain have been tested. The interpreted coal basin in the western part of the tenement also remain untested.

3.2 Mara Exploration

During the past twelve month Mara focused entirely on further delineation on the geophysical anomalies mainly within the Central Domain. The attached reports detail the results of this survey.

4, SUMMARY OF EXPENDITURE EL 2860

22/10/01 to 21/10/02

	$
Wages & Salaries	**35,000**
Consultants fees geophysics	**39,288**
Consultant's fees geological	**5,250**
Vehicle hire / fuel	**749**
Travel, Accommodation / meals	**7,130**
Field supplies & equipment	**1,016**
Tenement costs, Management	**4,746**
Administration / Office expenses	**16,016**
Total	**109,195**

5, Future Work

A combined re- vision of all the geological/geophysical work carried out to date shows that the geology of the area is complex.
The geophysical interpretation will remain unresolved without a significant amount of strategraphic and target drilling.
The re-modeling of the existing magnetic profiles has shown that the depth the magnetic source is considerable deeper then the first pass modeling has indicated. There is scope for further refining this modeling if basement geology would be available.
Following completion of the ground follow up of the magnetic and gravity survey, and extensive remodeling of the major anomalies, twelve drill targets were selected to investigate the basement geology (see target co-ord.) Each drill hole has a planed depth of 350 meters.
Drilling could commence as soon Land clearances and Departmental approvals are obtained.

EL 2860

DRILL TARGETS,

1.)	138	04	42	E	31	44	05	S
2.)	138	04	35	E	31	43	25	S
3.)	138	03	25	E	31	43	40	S
4.)	138	03	45	E	31	43	00	S
5.)	138	04	05	E	31	42	43	S
6.)	138	04	00	E	31	43	30	S
7.)	138	03	35	E	31	42	10	S
8.)	138	02	25	E	31	42	00	S
9.)	138	01	50	E	31	41	30	S
10.)	138	02	35	E	31	41	35	S
11.)	138	01	10	E	31	44	35	S
12.)	137	55	45	E	31	44	00	S