

247001

PROCESSING OF
MARINE GRAVITY AND
MAGNETIC DATA

Bass Strait T/14-P
Offshore Australia

For:

Shell Australia, Ltd.

Acquired by:

EDCON, INC.

EDCON, Inc.
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Denver, Colorado 80228

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LIST OF MAPS

(Submitted Under Separate Cover)

<u>Machine-Contoured Maps</u>	<u>Scale</u>	<u>Contour Interval</u>
Free-air Gravity	1/50,000	1 mgal
Total Magnetic Intensity	1/50,000	5 gammas
2D Bouguer Gravity	1/50,000	1 mgal
Bathymetry	1/50,000	1 metre

Projection:	UTM
Spheroid:	Australian
Central meridian:	147° East
False easting:	500,000 metres
False northing:	10,000,000

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LIST OF PROFILES

Horizontal Scale: 1/25,000
20-cm Wide Paper Profiles (color)

Raw Corrected Gravity	1 cm = 2 mgals
Eotvos Correction Correction applied to gravity data to remove the Eotvos effect	1 cm = 2 mgals
Free-air Gravity, unadjusted	1 cm = 2 mgals
2D Bouguer Gravity, unadjusted	1 cm = 2 mgals
Adjusted 2D Bouguer Gravity	1 cm = 2 mgals
Raw Magnetics	1 cm = 25 gammas
Adjusted Total Magnetic Intensity	1 cm = 25 gammas
Bathymetry	1 cm = 25 metres

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DESCRIPTION OF PROFILE ANNOTATION

- A. In the lower margin of the profiles, time is displayed.
- B. Along the upper margins of the profiles, shotpoint numbers are displayed.
- C. At the bottom of the profile inside the margin, the number plotted parallel to the Y-axis shows the location of the line intersections.
- D. The value of each trace is plotted at the beginning and end of the profile as well as those places where the trace must be reset to prevent plotting off of the page.
- E. At the left of each profile at the bottom, a table of traces is plotted with the symbol that is used to identify that trace on the plot.
- F. At the upper left corner of each profile a title block is plotted showing line number, acquisition date, course and filters used.

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I. INTRODUCTION

This report describes the procedures and results for the processing of marine gravity and magnetic data acquired by EDCON, Inc. for Halliburton Geophysical Services (HGS) and Shell Australia, Ltd. between February 24, 1990 to March 3, 1990 in the Bass Strait offshore Southeastern Australia (see Figure 1). All data necessary to complete the processing were received in EDCON's office on April 9, 1990. Final profiles, maps and magnetic data tapes were sent to HGS' Australia office in May, 1990. A total of 743.8 kms were surveyed which resulted in 743.1 kms of gravity data and 705.4 kms of magnetic data.

This project was completed under EDCON's job reference number 90018 and reference to this number in any subsequent communications regarding this project would aid in receiving a quick reply.

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5 cm

INDEX MAP OF SURVEY AREA

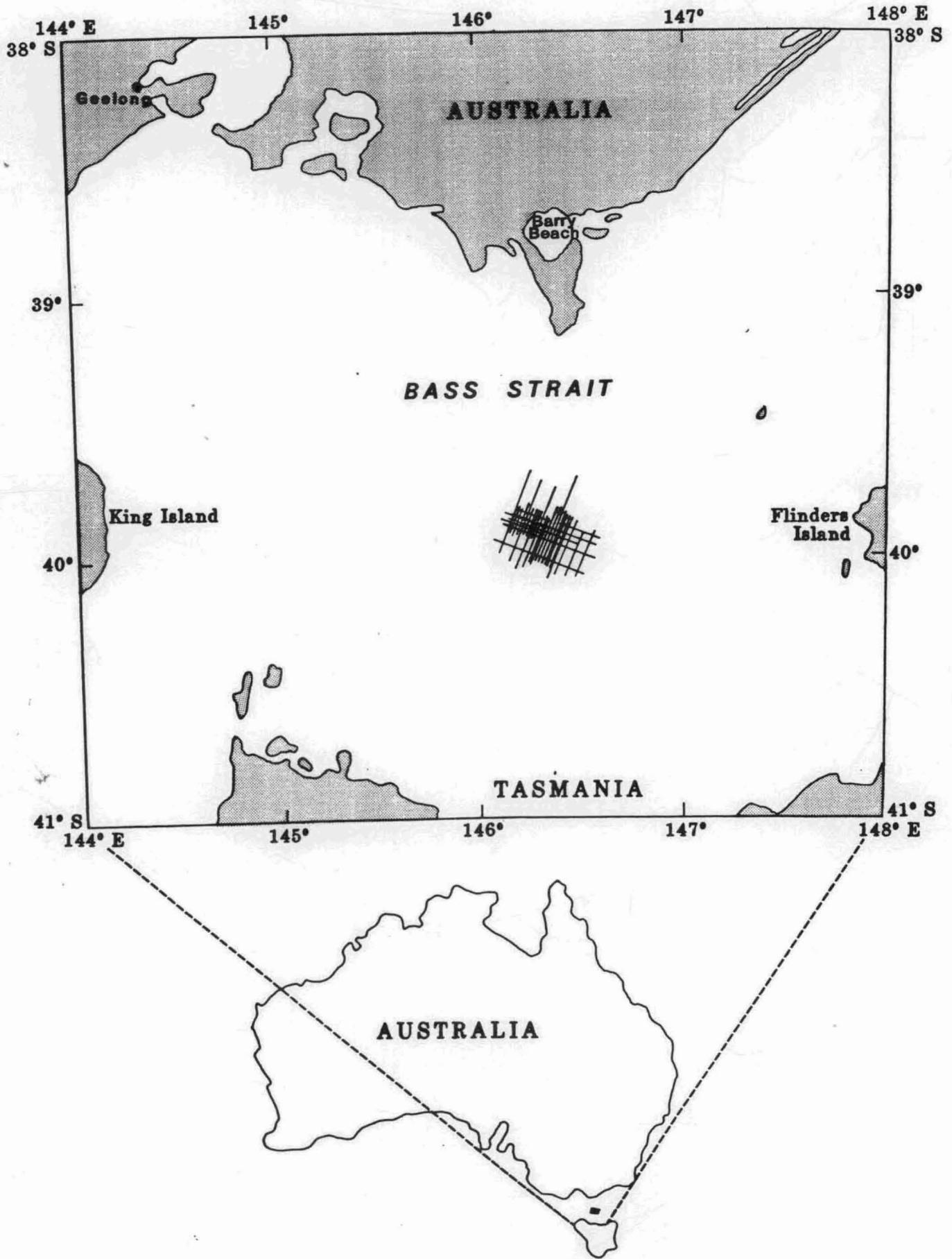


FIGURE 1

II. DATA ACQUISITION

A. General

EDCON, Inc. was subcontracted to Halliburton Geophysical Services Inc. (HGS) and as such was solely responsible for the marine gravity and magnetic data acquisition. HGS provided navigation and bathymetry data.

B. Instrumentation

1. Gravity Meter

LaCoste and Romberg Air Sea Gravity Meter S-31 was used for these surveys. Meter S-31 uses a calibration table to convert meter readings to milligals (see Appendix I). The meter filter setting used during these survey is equivalent to three stages of 20-second plus two stages of 60-second RC filters having a total time constant, or time delay for long periods, of three minutes. Digital data were acquired at 10-second sample intervals throughout the surveys.

The gravity meter was installed as near as possible to the vessel's center of pitch and roll. Its output was recorded on analog stripcharts.

2. Magnetometer

A GeoMetrics Model G801 proton precession marine magnetometer was used for the acquisition of magnetic data. The magnetometer sensor was towed 210 metres behind the vessel. The magnetometer was operated at a sensitivity of one gamma, a repetition rate of six seconds and a 10-second sample interval. The output of the magnetometer was recorded on analog stripcharts and on the field tapes.

3. Fathometer

A Simrad EA bathymetry system with an operation range of 0-1,700 metres was used to measure and record water depth. Water depth was recorded digitally at each shotpoint and corrected for a 3.3 metre transducer depth to give a true water depth value.

4. Navigation System

Offshore Navigation Inc. (ONI) provided primary navigation for the survey consisting of an Argo/Maxiran receiver/transmitter with navigation data recorded at each shotpoint. No known problems were encountered with the system and navigation values are believed to be accurate.

III. DESCRIPTION OF DATA

A. General

Gravity and magnetic data were collected in both digital and analog form. Shell Australia provided EDCON with tapes containing editing and processed navigation and bathymetry data.

B. Gravity Data

The gravity data were recorded digitally on 9-track magnetic tapes and 3.5 floppies and graphically on the beam records. The 3.5 floppy digital data were used for processing this survey.

1. Beam Records

All beam records were delivered to Shell Australia at the end of acquisition of the survey. Four traces plus a fiducial mark represent recordings of the following information:

- a. The green trace is computed gravity. Real-time analog filtering is responsible for a three-minute time delay in the gravity output. The scale is one inch to 10 counter units or approximately one inch to 10 milligals. Time events are marked every five minutes throughout the line.
- b. The blue trace is ordinarily spring tension at a scale of one inch to 10 counter units. Occasionally, the operator changes an output switch and records the beam motion on this trace. Such changes are annotated. Shotpoint events are marked every shotpoint at the start and end of lines and every 10 shotpoints during the line.
- c. The red trace is ordinarily total cross-coupling at a scale of one inch to 10 counter units. The center line of the recorder corresponds to zero cross-coupling. Readings less than 50 are negative corrections and readings greater than 50 are positive corrections. In annotated cases, the operator will cause the average beam position to be output on this trace.
- d. The black trace is the total correction that is applied to spring tension in the computation of gravity. The scale is one inch to 10 counter units. The center line of the recorder corresponds to zero total correction. Readings less than 50 are positive corrections. Time events are marked every minute at the start and end of the line and every five minutes

throughout the line and shotpoints are marked every shotpoint at the start and end of lines and every 10 shotpoints during the line.

2. Horizontal Accelerometer Records

Cross and long horizontal accelerations are recorded on separate recorders. "Cross" refers to a direction perpendicular to the axis of the ship and "long" refers to a direction parallel to the axis of the ship. The records are diagnostic of proper stabilized platform operation and indicate the severity of the ship's motion, changes in speed and turns. In each case, a filtered and unfiltered horizontal acceleration is plotted.

C. Magnetometer Data

The magnetic data were provided digitally and on magnetometer records. The analog magnetometer records are plotted on charts that are five inches wide at a vertical scale of one inch equals 20 gammas. The horizontal scale is approximately one inch per minute. The value of the magnetic field is marked frequently on the chart records so that values of the magnetic field can be interpreted from the analog magnetic records. Shotpoint and time are marked at approximately 30-minute intervals.

D. Bathymetry Data

Bathymetry data was provided in digital form and was of good quality.

E. Navigation Data

Final navigation data were supplied by HGS on magnetic tape which had been edited and corrected for position updates.

IV. DATA QUALITY

A. Gravity Data

The gravity data was of good quality with the following exception:

<u>Line No.</u>	<u>Time</u>	
6	231200-231500	0.6 km missed at start of line

B. Magnetometer Data

The magnetic data was of good quality with the exception of two lines:

<u>Line No.</u>	<u>Time</u>	
5	180600-(EOL) 201800	Magnetometer tow cable plug damaged
6	SOL to EOL	All data missed during tow cable plug repair

C. Bathymetry Data

Digital bathymetry data was supplied at one metre sensitivity and was complete and of good quality.

D. Navigation Data

Navigation data was determined to be accurate, as no problems were encountered during processing.

V. GRAVITY AND MAGNETIC DATA PROCESSING

A. General

The digital data were loaded into EDCON's airborne and shipborne processing data base (merge survey file - MSF). The processed data discussed below represent 60-second samples of the observed data. EDCON line numbers were assigned to each consecutive survey line.

B. Data Reduction

1. Gravity Data

- a. General: LaCoste and Romberg stable platform shipborne gravity meter S-31 was used for the acquisition of all gravity data. The gravity meter electronically filters the input signal using several stages of resistors and capacitors which have inherent time delays and amplitude distorting effects. The result of the filter is to affect a time delay without amplitude distortion for long period signals and to pass through unaffected short period signals such as spikes in the data. Knowing the characteristics of the filter allows the reconstruction of the original signal, so that a more appropriate digital smoothing filter can be applied to the data. The inverse RC filter used had three 20-second stages and two 60-second stages. The smoothing filter (digital type) applied in this case passed signals longer than four minutes, therefore, no attempt was made to recover data signals with periods shorter than four minutes.

Three gravity still readings are taken in two ports so as to tie the survey to a standard gravity network and to establish meter drift. The readings are plotted with respect to time and an appropriate meter base constant is determined for each day of the survey. The base constants determine both the datum shift and removal of the meter drift. A complete explanation of the base constant calculation and Figure 7 illustrating meter drift is included in Appendix I. The base constant applied to each line is contained in the Line Header Reports (Appendix II).

- b. Crosscorrelation Analysis: A method for analyzing the performance of a shipborne gravity meter was published by LaCoste in 1973. The method relies on the assumption that the variations in observed gravity corrected for Eotvos effect should not correlate with variations in the motion of the ship.

The variations in ship motion are detected by the gravity sensor and stabilized platform, and are recorded as part of the normal output of the gravity meter system. These recorded values, or monitor channels, are the translational motions of the ship. If the motions of the ship are observable in the measured gravity, then the monitor channels will correlate with the gravity channel. The magnitude of the correlation between a monitor channel and gravity is a measure of the error which has been introduced.

A fraction of the monitor channel in error can be subtracted from the gravity to reduce the error. The computation of the fraction or gain factor for each monitor is the goal of the crosscorrelation analysis.

The procedure is applied to 10-second samples of gravity and the monitor channels for each survey line. A matrix of the zero-lag values of all the crosscorrelations between the gravity and the monitor channels is formed. The solution to this system of simultaneous equations is the set of gain factors to be applied to each monitor channel to achieve a zero correlation with the correction gravity. A measure of the effectiveness of the correction procedure is the ratio of the curvature of the gravity after correction and the curvature of the original gravity. The curvature of the gravity trace is a measure of the "bumpiness" of the data. The correlation procedure, therefore, tends to smooth the data. The application of the gain corrected monitor values to the gravity also causes a systematic correction or level shift to the data. The systematic correction tends to reduce the misties at line crossings of the observed gravity in the survey network. Crosscorrelated recomputed gravity was compared to original meter gravity for the entire survey and was found to improve the data, thus this data was utilized in processing the survey.

A discussion of the crosscorrelation procedure and its mathematical development is available in the LaCoste paper in Geophysics, vol. 38, no. 4, August, 1983.

- c. Eotvos Correction: The Eotvos correction, which is proportional to the eastward velocity component of the ship, was determined using the navigation derived positions and a time varying crosscorrelation procedure. Since small positional errors can lead to the calculation of fictitious Eotvos anomalies, proper determination of Eotvos correction is critical to final data accuracy. Because of the magnitude of the Eotvos effect on the apparent vertical acceleration observed on a moving platform, it is necessary to know the exact time of every position fix as well as the position itself so that accurate ship velocities can be calculated.

An Eotvos correction is determined such that the correlation between the correction and the final corrected gravity is minimized. This correlation process helps to assure that real anomalies induced by the Eotvos effect are removed and that false anomalies inferred from the unfiltered calculated Eotvos correction are disregarded to the maximum extent

possible. The Eotvos correction that has been applied is to call attention to possible problems that do not permit an unambiguous determination of the Eotvos correction.

The Eotvos correction applied to the observed gravity data prior to final filtering was determined by correlating overlapping time gates of gravity and calculated Eotvos. The effective gain for any given wave length is adjusted as dictated by its effect on the corrected gravity. If the positioning data suggest an Eotvos anomaly not observed in the gravity data, the correlation process will tend to eliminate such an Eotvos event from the derived Eotvos correction by suppressing the appropriate periods in the window. If the positioning data suggest an Eotvos anomaly which is also observed in the gravity data, the correlation process will adjust the amplitude and phase of the Eotvos correction to completely remove the effect from the gravity. The Eotvos correction displayed on the final profiles has also been subjected to a high-cut filter identical to that used in filtering the gravity data. This is in addition to the filtering effect of the crosscorrelation procedure.

Figure 2 illustrates the relationship between the Eotvos correction and ship direction. The figure also illustrates the sensitivity of the Eotvos effect to course and speed changes. Lines running in an east-west direction are sensitive to changes in speed and relatively insensitive to course changes. Lines running in a north-south direction are sensitive to changes in course and are relatively insensitive to speed changes.

- d. Free-air Correction: Free-air gravity was constructed by removing the latitude effect from Eotvos-corrected gravity. Latitude corrections were based on the 1930 Geodetic Reference System formula which is:

$$G_{\text{theoretical}} = 978049.00 (1.0 + 0.0052884\sin^2\phi + 0.0000059\sin^22\phi)$$

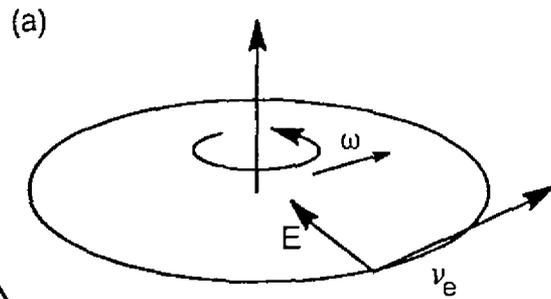
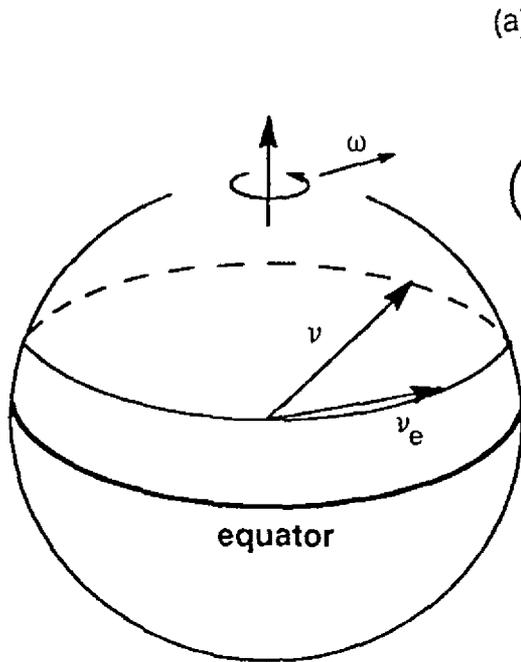
where ϕ is latitude in degrees and $G_{\text{theoretical}}$ is in mgal.

- e. 2D Bouguer Correction: A two-dimensional (2D) Bouguer correction was applied to the free-air gravity data to correct for changing water depth. This correction is based on a modified Talwani algorithm which models the water as a polygon in cross-section, with infinite strike length perpendicular to the average line direction. A density of 2.20 g/cm^3 was used for this correction. The Bouguer density is chosen to be close to the density of the material which comprises the water bottom surface and which removes the effects of topographic features on the water bottom. In order to choose the proper correction density, it is helpful to study the corrected gravity profiles over significant topographic features.

2. Magnetic Data

- a. IGRF and Diurnal Removal: The magnetic data were corrected for the towing offset of the magnetometer sensor and the earth's normal field.

5 cm



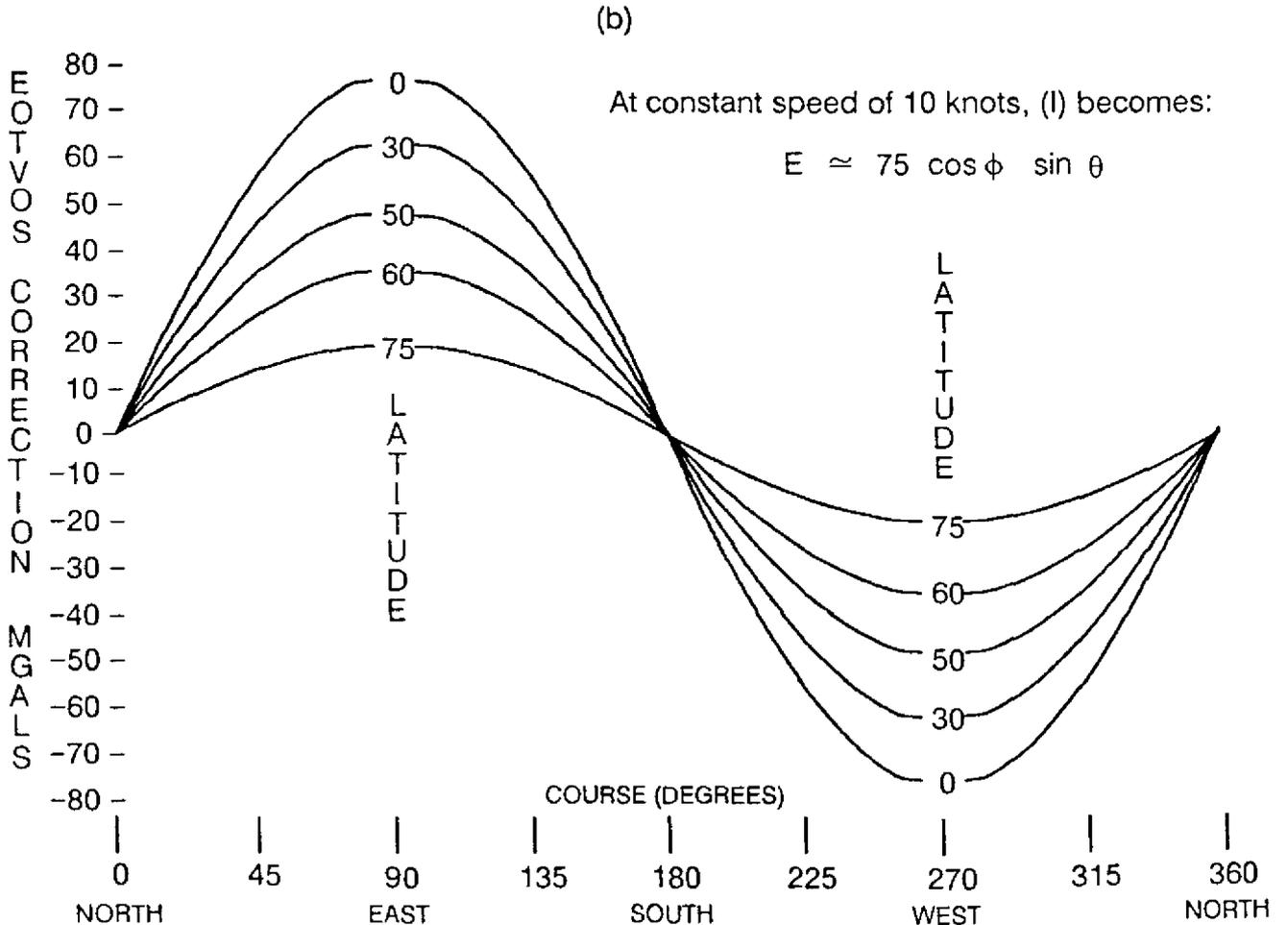
$$E = 2\vec{\omega} \cdot \vec{v}_e + \frac{v^2}{R}$$

or

$$E \approx 7.5 v \cos \phi \sin \theta \text{ mgals.....I}$$

where E = Eotvos correction in mgal
 v = Ship's speed in knots
 φ = Latitude
 θ = Ship's course

When θ=90°, Equation (I) becomes: $\frac{E}{v} \approx 7.5 \cos \phi \text{ mgal/knots.....II}$



(b)

At constant speed of 10 knots, (I) becomes:

$$E \approx 75 \cos \phi \sin \theta$$

FIGURE 2

The 1985 International Geomagnetic Reference Field (IGRF) formula, updated to the survey dates, was computed at every minute sample point and subtracted from the observed magnetic value. The 1985 IGRF formula is an eighth order spherical harmonic representation of the earth's normal field; the normal field is a function of location and time.

No diurnal removal was performed.

3. Filtering

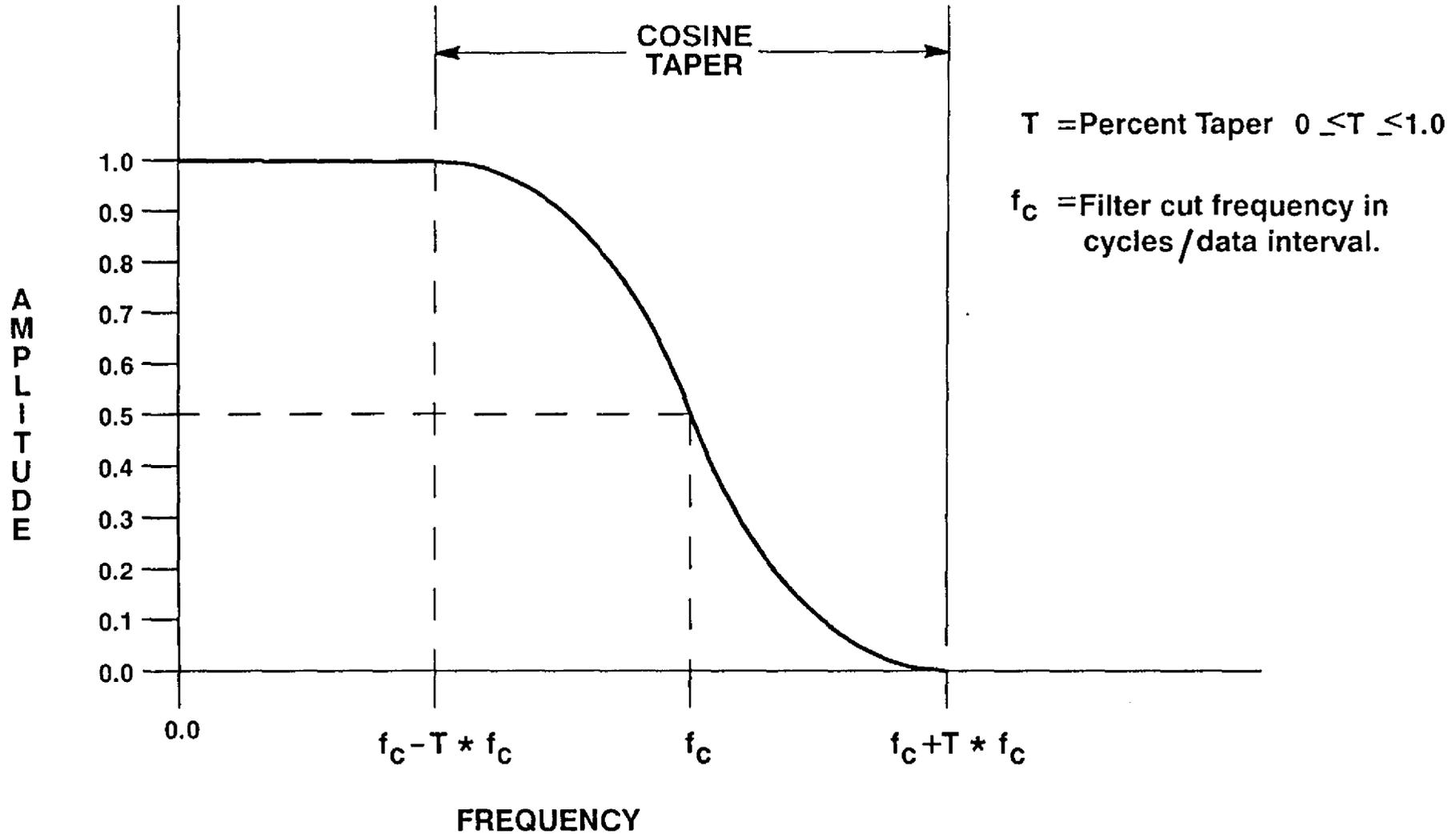
Final filters for each line were selected on the basis of apparent data quality and noise content. In each profile title block, under the heading "FILTERS", two numbers with letter prefixes are given: for example, "G600, M120". The numbers indicate the filter cut-off in seconds for gravity and magnetic, respectively. The filters are low-pass with a cosine taper and designed to attenuate amplitudes by 50 percent for periods equal to the cut-off frequency.

The data are Fast Fourier transformed into the frequency domain, the filters are applied, and the data are inverse transformed into the time domain and subsequently displayed on the profiles. In the case of a 600-second filter with a 50 percent cosine taper, the effective filtering in the time domain is that all wave lengths shorter than 6.67 minutes are completely attenuated and periods greater than 20 minutes are unattenuated. Figures 3 and 4 describe the filter and the impulse response for a 50 percent tapered filter. The 50 percent cosine taper is selected to minimize size lobes in the impulse response of the filter, as shown in Figure 4.

4. Base Meter Base Constant

Absolute gravity values of 980060.74 mgal measured at Barry Beach, Victoria, Australia and 979986.61 (measured as 9800000.61 mgal in Isogal 65 datum) on Cunningham Wharf at Geelong Piers was used in calculating base constants. Still readings were taken as follows:

FILTER FREQUENCY RESPONSE



5 cm

FIGURE 3

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UNIT-IMPULSE RESPONSE FOR 50 PERCENT TAPERED FILTER

247021

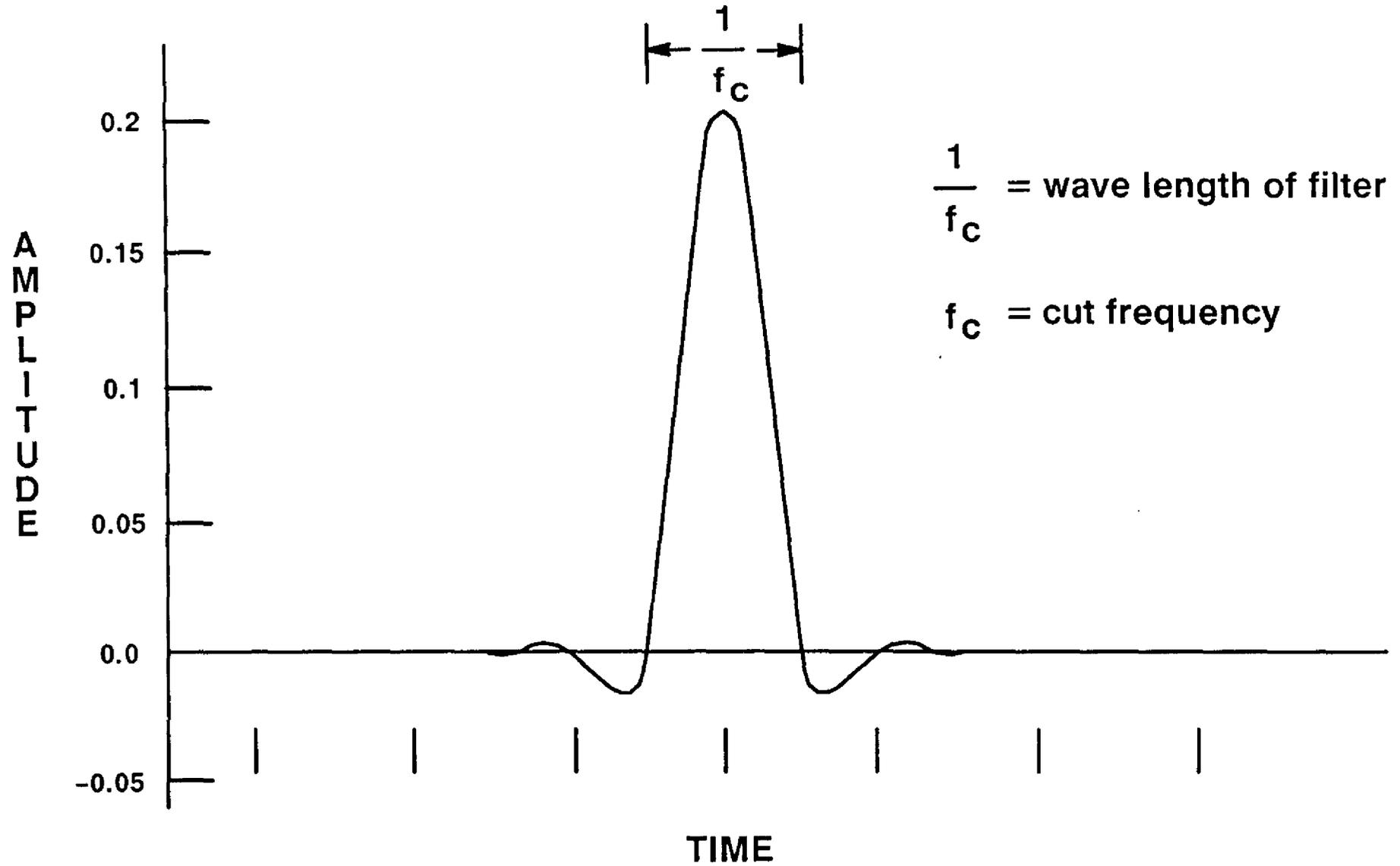


FIGURE 4

5 cm

<u>Still Reading</u>	<u>Date</u>	<u>Time</u>	<u>Location</u>	<u>Still Reading Value</u>
1	February 17, 1990	040000	Barry Beach Marine Terminal	8468.0
2	February 18, 1990	054500	Barry Beach Marine Terminal	8467.4
3	March 4, 1990	233000	Cunningham Dock, Geelong	8394.2

Still readings #2 and #3 were used in calculating the actual drift curve used in data reduction, as the dates of these readings cover the entire survey.

Please refer to Appendix I for actual base constant calculations.

VI. NETWORK ANALYSIS

Statistical treatment of the gravity profiles is designed to recognize and remove errors in the data which caused survey line misties. Each gravity profile in the survey is shifted up or down systematically by an amount such that the sum of the square of the mistie errors over the entire survey network is minimized. This systematic correction helps to remove errors caused by non-linearities in the gravity meter itself such as miscalibration of the cross-coupling correction and meter drift; errors in determination of the Eotvos correction can also lead to systematic errors. For instance, a one-degree error in line heading on a nearly north-south course leads to an error in the determination of the level of the Eotvos correction of about 0.5 mgal. After systematic adjustment, the remaining intersection misties are studied and removed. This is done by giving each line a reliability weight that depends on the line's mean random scatter at intersections after systematic corrections. The final statistical choice at each intersection is a function of the reliability weights of each line. The random error correction is prorated between intersections. Figure 5 illustrates this adjustment procedure as shown on the final profiles.

The survey intersection statistics given in Appendix III are indicative of survey quality and data accuracy. However, the statistics are dependent on a number of things, such as the configuration of the survey line network, accuracy of locations, and the amount of relief in the surveyed field. The values of mean random scatter (average absolute mistie) before and after systematic adjustment should be considered simultaneously when evaluating a network or an individual line. It should be recognized, for example, that a line with only one intersection will have a mean random scatter (average absolute mistie) of zero after systematic adjustment no matter how poor the data quality on the line. Lines with fewer than three or four intersections do not provide a statistically meaningful estimate of data quality based on mean random scatter (average absolute mistie) after systematic adjustment.

DESCRIPTION OF ADJUSTMENT BARS AS SHOWN ON PROFILES

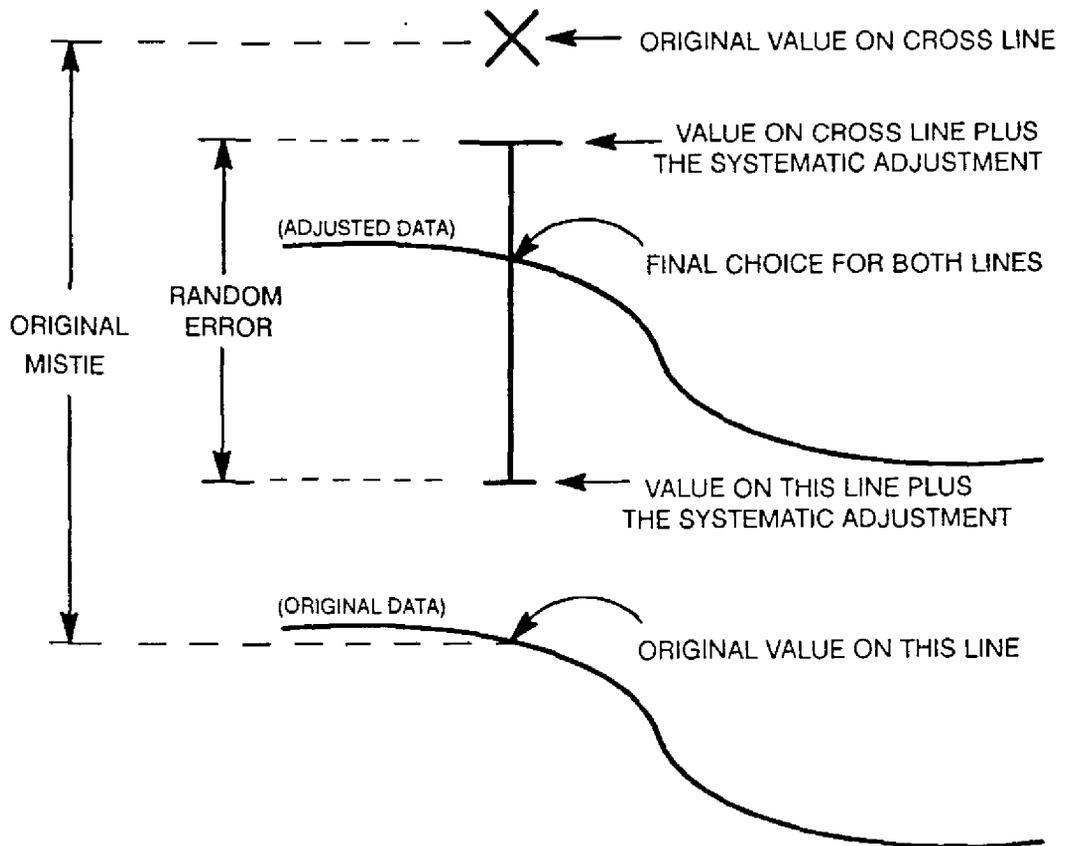
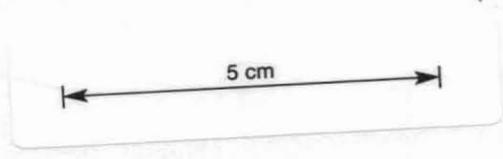


FIGURE 5

In the case of this survey, 85% of the lines in the network have 5 or more intersection. There are 131 intersections in the network. The intersection statistics indicate that about a third (32%) of the lines have 7 intersections or more. There are only 2 lines that have less than four intersections. Therefore, the statistical report is well controlled and the average values of mean random scatter after systematic adjustment are expected to be closely comparable to average probable survey error. For both 2D Bouguer gravity and Free-air gravity, the average absolute intersection mistie (mean random scatter) before systematic adjustment is 1.42 milligals. After adjustment for systematic errors, the average intersection mistie, or mean random scatter, is 0.29 milligals. For the magnetic data, the mean random scatter before systematic adjustment is 18.12 gammas and after systematic adjustment, mean random scatter is 4.48 gammas. Figures 6 A-C graphically illustrates the intersection misties before and after systematic adjustment for 2D Bouguer gravity, Free-air gravity and Total Magnetic Intensity, respectively, in this survey.



DISTRIBUTION OF THE INTERSECTION MISTIES

2-D BOUGUER GRAVITY

Before and After Systematic Adjustment

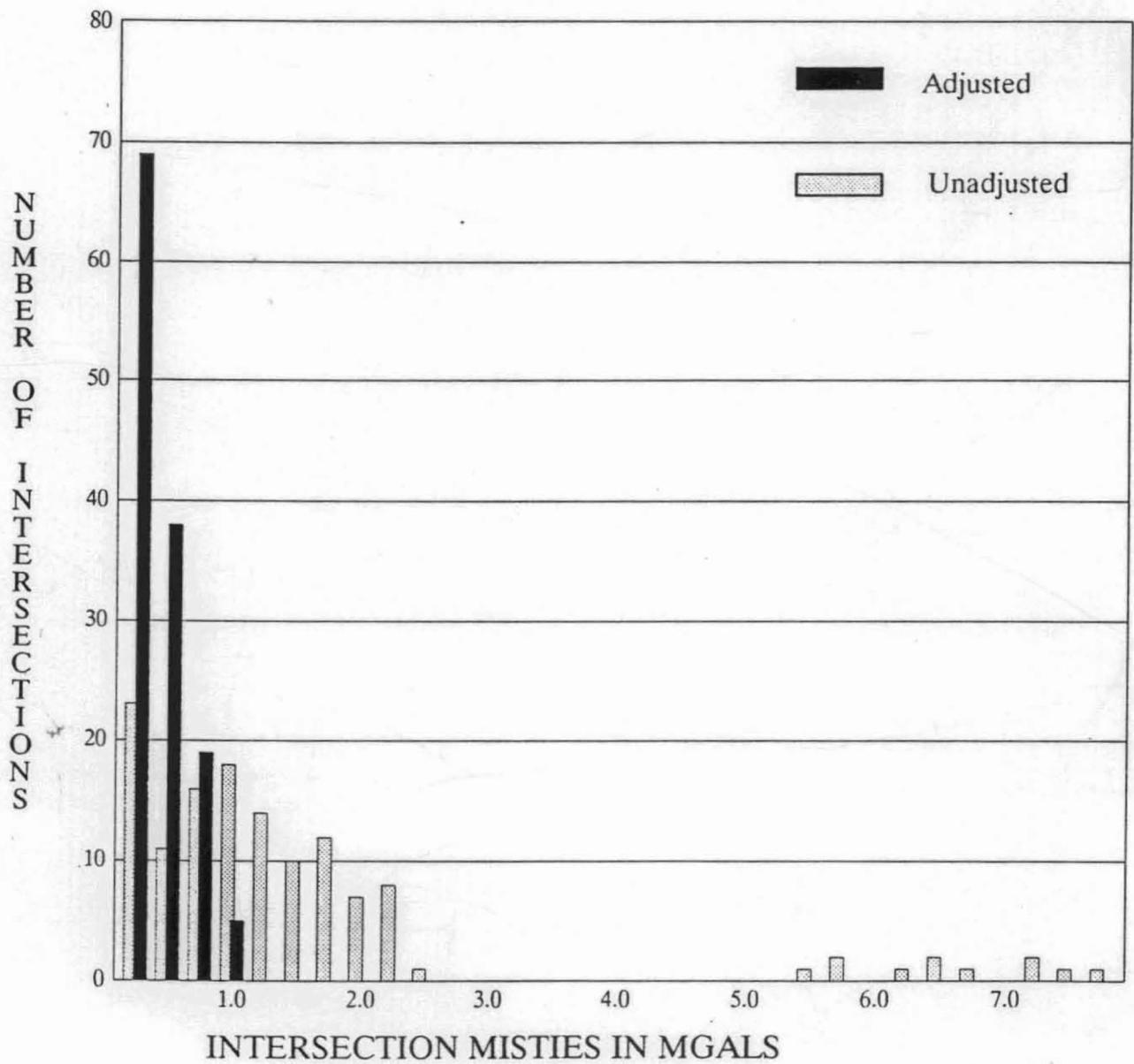
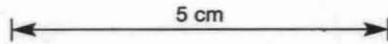


Figure 6a



DISTRIBUTION OF THE INTERSECTION MISTIES

FREE-AIR GRAVITY

Before and After Systematic Adjustment

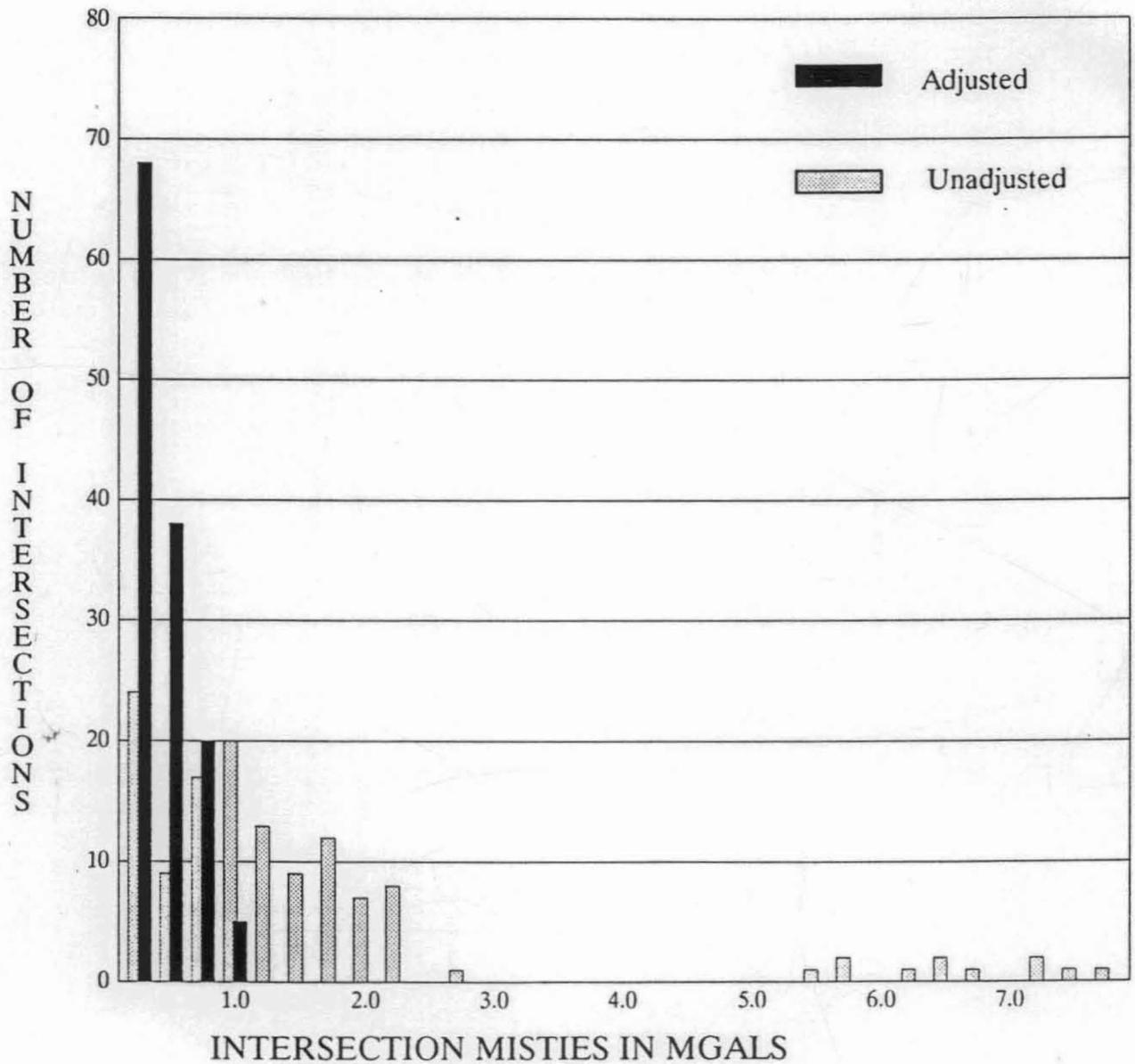


Figure 6b

5 cm

DISTRIBUTION OF THE INTERSECTION MISTIES

TOTAL MAGNETIC INTENSITY

Before and After Systematic Adjustment

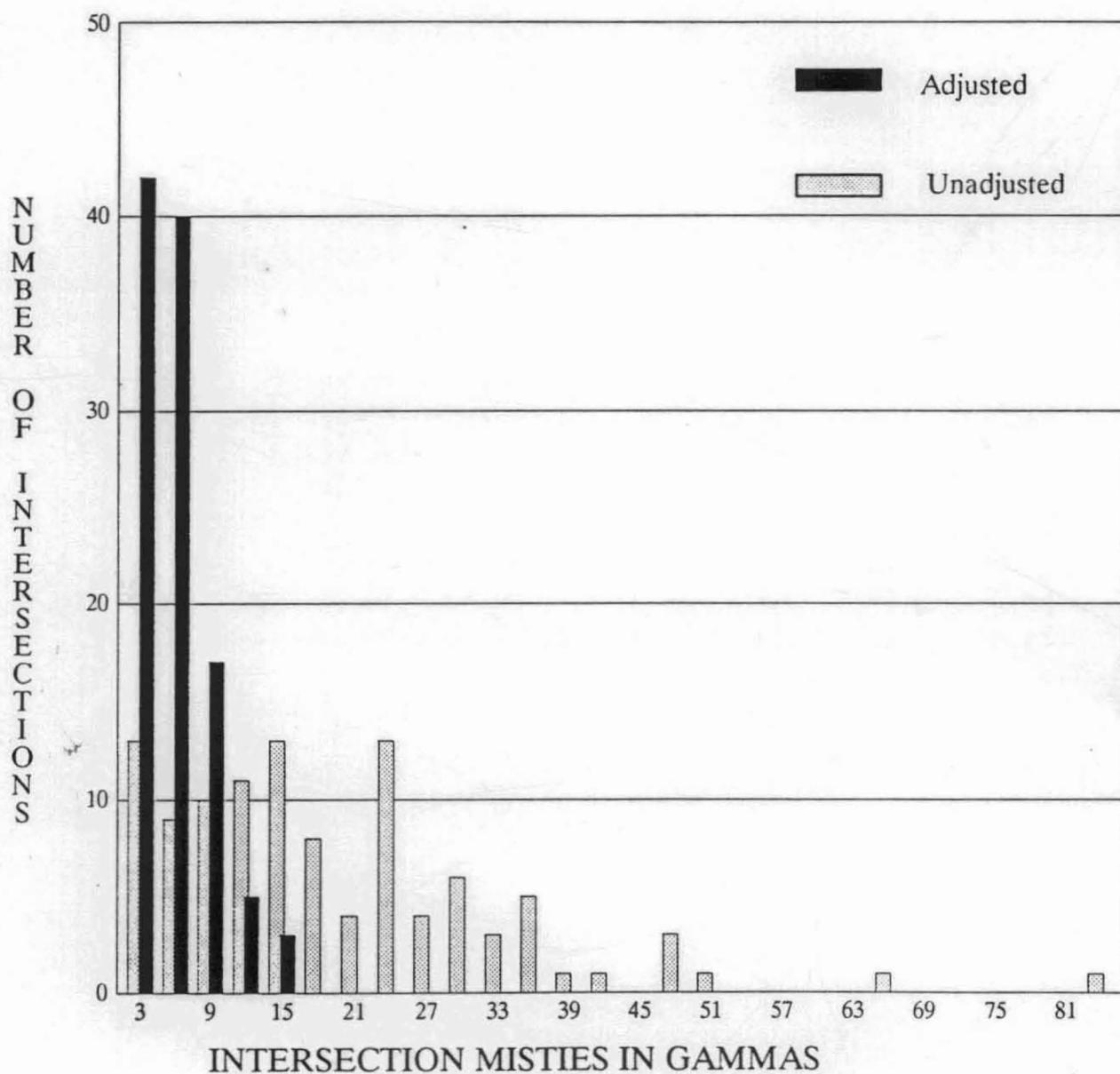


Figure 6c

VII. MAPPING

After removal of intersection misties by the adjustment algorithm described previously, the adjusted 2D Bouguer gravity, Free-air gravity, Total Magnetics and the bathymetry data were input into a gridding program, which first fits a minimum curvature surface to the data points and then determines from this surface a gravity, magnetic or bathymetry value at regular intervals across this surface. The interval was set at 600 metres for all four data sets. This value maximized the number of data points actually used in the gridding procedures while minimizing aliasing of the gridded data.

Following the gridding stage, the maps were computer contoured at a scale of 1:50,000. Gravity maps were contoured at a one-milligal interval, the magnetic map at a five-gamma interval, and the bathymetry map used a one-metre contour interval. One sheet covered the survey area.

All of the maps were inspected to determine if machine-contouring provided an accurate representation of the data. The following describes the maps that were delivered and the procedures used to create them.

A. Bathymetry Map

The Bathymetry map indicates a very flat water bottom with a range of only three metres after adjustment. The bathymetry data were adjusted to correct for the one to two meter misties between lines. This was necessary to produce a map that could be contoured at a one-metre interval without displaying the line misties which appear as line-oriented pulls on the map.

B. Free-air Gravity Map

The Free-air Gravity data appeared very good and mapped well. Line 6 was trimmed from 231200 to 231800 in the adjusted channel before gridding to correct for a minor pull in the map.

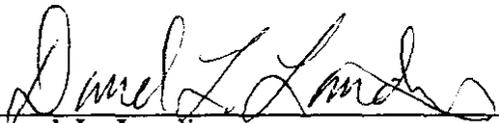
C. Bouguer Gravity Map

A Bouguer density of 2.2 gm/cm^3 was used to correct the free-air gravity data. A comparison of the maps shows virtually only a level shift in free-air gravity which is expected due to the lack of relief in the bathymetry.

D. Total Magnetic Intensity Map

The magnetic data mapped very well given the activity of the data. However, all of line 29 and part of line 10 (200900-201900) were trimmed in the adjusted data set before gridding to correct for "herring bone" and "pull" features in the contours.

EDCON, INC.



Darrel L. Landis



Michael R. Finlay

nn

APPENDIX I

Base Constant Calculations
Drift Curve, Figure 7
S-31 Meter Calibration Table

BASE CONSTANT

Correction of Base Reading

$$GA - 978049.0 + .09406h = GB$$

where: GA = absolute gravity at the base
 h = height of base above mean sea level, feet
 GB = base gravity

The value 978049.0 is the first term in the 1930 Geodetic Reference System. This term is dropped in all calculations in this system. The above formula corrects the base reading down to mean sea level.

Calibration of Still Reading

$$SR_{cu} * F = SR \text{ mgal}$$

where: SR_{cu} = still reading in counter units
 F = meter calibration factor
 SR mgal = still reading in milligals

Correction of the Still Reading

$$SR \text{ mgal} + (.09406h_1 - .01277 * 1.03h_2) = CSR \text{ mgal}$$

where: SR mgal = still reading in milligals
 h_1 = meter height above mean sea level
 h_2 = difference between water height and mean sea level
 CSR mgal = corrected still reading in milligals

Computation of Final Base Constant

$$GB - CSR \text{ mgal} = BC$$

where: GB = base gravity
 CSR mgal = corrected still reading
 BC = base constant

Calculations of Actual Base Constant (Still Reading #3)

979986.61	absolute gravity at Cunningham Dock, Geelong, Australia
<u>978031.85</u>	1st term 1967 GRS
1954.76	
+ <u>0.34</u>	height above mean sea level (h_1) * .09406
1955.10	base gravity

8394.2 + 95.96 = 8538.71 mgal	still reading (mgals)
1955.10 - 8538.71 = -6583.61	base constant

Still ReadingBase Constant

1	-6584.41
2	-6583.93

BASE CONSTANT CURVE

Gravity Meter S-31

247034

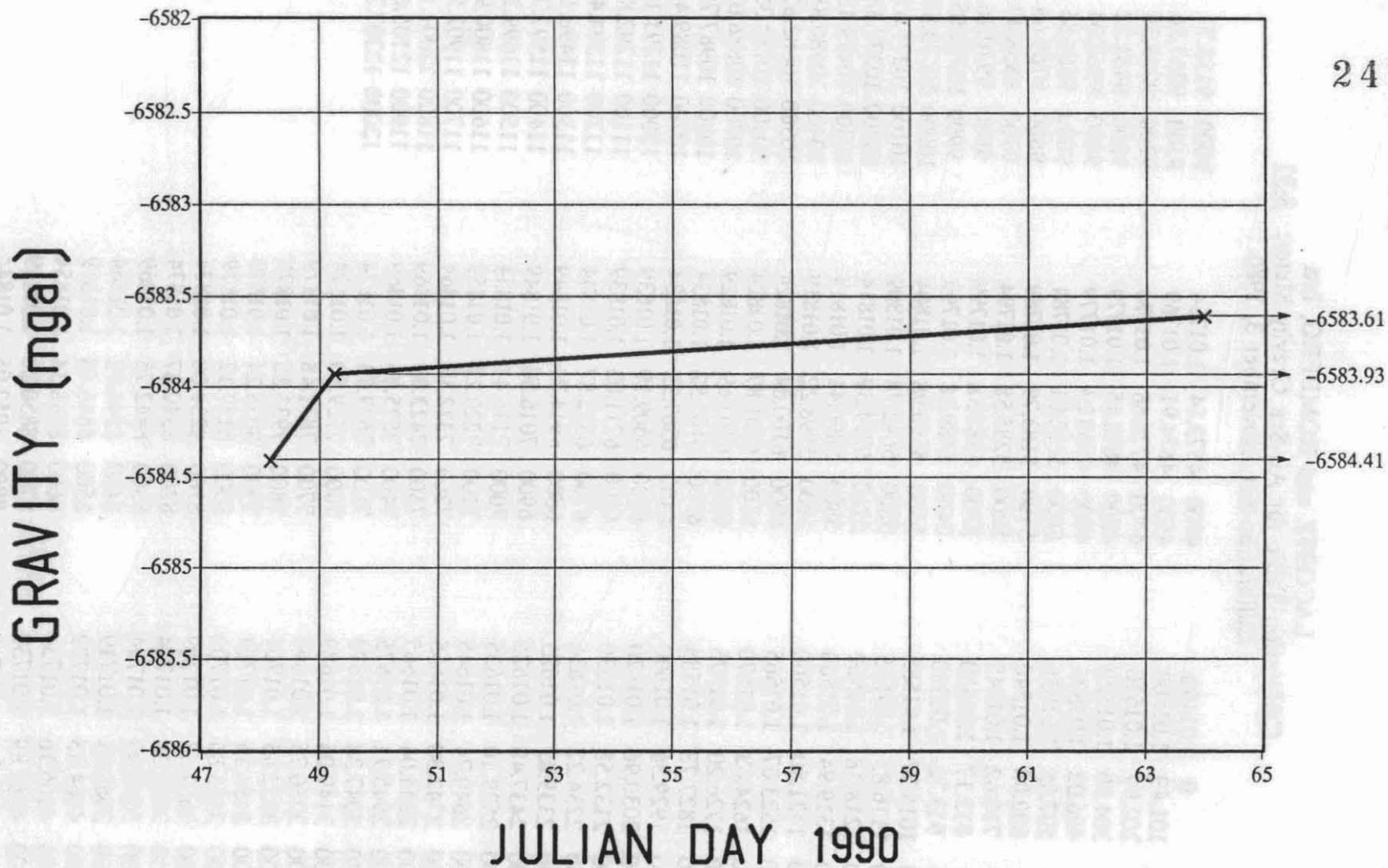
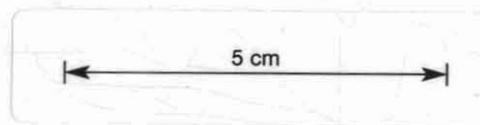


Figure 7



247035

LACOSTE and ROMBERG, Inc.
 Calibration Table for Air-Sea Gravity Meter: S-31
 Calibration Set: November 3, 1980

0	0	1.01490	4500	4573.14	1.01764	9000	9155.73	1.01834
100	101.49	1.01500	4600	4674.91	1.01769	9100	9257.56	1.01829
200	202.99	1.01510	4700	4776.68	1.01774	9200	9359.39	1.01824
300	304.50	1.01520	4800	4878.45	1.01779	9300	9461.22	1.01819
400	406.02	1.01525	4900	4980.23	1.01779	9400	9563.04	1.01814
500	507.55	1.01535	5000	5082.01	1.01784	9500	9664.85	1.01809
600	609.08	1.01540	5100	5183.79	1.01789	9600	9766.66	1.01804
700	710.62	1.01545	5200	5285.58	1.01794	9700	9868.47	1.01794
800	812.17	1.01550	5300	5387.38	1.01799	9800	9970.26	1.01789
900	913.72	1.01550	5400	5489.18	1.01799	9900	10072.05	1.01779
1000	1015.27	1.01555	5500	5590.98	1.01804	10000	10173.83	1.01774
1100	1116.83	1.01555	5600	5692.78	1.01809	10100	10275.61	1.01769
1200	1218.38	1.01560	5700	5794.59	1.01814	10200	10377.38	1.01759
1300	1319.94	1.01560	5800	5896.41	1.01814	10300	10479.13	1.01749
1400	1421.50	1.01560	5900	5998.22	1.01819	10400	10580.88	1.01739
1500	1523.07	1.01565	6000	6100.04	1.01824	10500	10682.62	1.01729
1600	1624.63	1.01570	6100	6201.87	1.01824	10600	10784.35	1.01719
1700	1726.20	1.01575	6200	6303.69	1.01829	10700	10886.07	1.01709
1800	1827.78	1.01585	6300	6405.52	1.01834	10800	10987.78	1.01694
1900	1929.36	1.01600	6400	6507.35	1.01834	10900	11089.48	1.01684
2000	2030.96	1.01620	6500	6609.19	1.01839	11000	11191.16	1.01669
2100	2132.58	1.01630	6600	6711.03	1.01839	11100	11292.83	1.01659
2200	2234.22	1.01636	6700	6812.87	1.01844	11200	11394.49	1.01644
2300	2335.85	1.01625	6800	6914.71	1.01849	11300	11496.14	1.01634
2400	2437.48	1.01625	6900	7016.56	1.01849	11400	11597.77	1.01614
2500	2539.10	1.01635	7000	7118.41	1.01854	11500	11699.39	1.01599
2600	2640.74	1.01645	7100	7220.27	1.01859	11600	11800.99	1.01584
2700	2742.38	1.01655	7200	7322.13	1.01864	11700	11902.57	1.01564
2800	2844.04	1.01665	7300	7423.99	1.01869	11800	12004.13	1.01549
2900	2945.71	1.01675	7400	7525.86	1.01869	11900	12105.68	1.01529
3000	3047.38	1.01679	7500	7627.73	1.01874	12000	12207.21	1.01500
3100	3149.06	1.01689	7600	7729.60	1.01874			
3200	3250.75	1.01694	7700	7831.48	1.01879			
3300	3352.45	1.01704	7800	7933.36	1.01879			
3400	3454.15	1.01709	7900	8035.24	1.01879			
3500	3555.86	1.01709	8000	8137.12	1.01879			
3600	3657.57	1.01709	8100	8239.00	1.01874			
3700	3759.28	1.01714	8200	8340.87	1.01874			
3800	3860.99	1.01714	8300	8442.75	1.01869			
3900	3962.71	1.01719	8400	8544.62	1.01864			
4000	4064.43	1.01729	8500	8646.48	1.01859			
4100	4166.16	1.01734	8600	8748.34	1.01854			
4200	4267.89	1.01739	8700	8850.20	1.01849			
4300	4369.63	1.01749	8800	8952.05	1.01844			
4400	4471.38	1.01759	8900	9053.89	1.01839			

247036

APPENDIX II

Line Header Reports
Survey Kilometre Reports
Meter Description Table Report

LINE HEADER REPORT

LINE NUMBER	LINE NAME	GRAVITY METER	DATE	START TIME	END TIME	TIME INC.	NO. POINTS	FIRST SHOT	LAST SHOT	SHOT INC.	NO. SHOT	2D STRIKE
1	BS90A-12	S-31	22490	63400	103800	60	245	1001	2570	1	1570	*****
2	BS90A-16	S-31	22490	161800	180900	60	112	1001	1715	1	715	*****
3	BS90A14A	S-31	22590	35200	53500	60	104	1001	1680	1	680	*****
4	BS90A-10	S-31	22590	65000	83900	60	110	1001	1747	1	747	*****
5	BS90A-8A	S-31	22590	170400	201800	60	195	1001	2238	1	1238	*****
6	BS90A-06	S-31	22590	231200	245500	60	104	1001	1673	1	673	*****
7	BS90A-04	S-31	22690	23300	63300	60	241	1001	2602	1	1602	*****
8	BS90A-02	S-31	22690	81100	101500	60	125	1001	1844	1	844	*****
9	BS90A-2A	S-31	22690	140700	151400	60	68	1761	2221	1	461	*****
10	BS90A-2C	S-31	22690	200900	211300	60	65	2141	2571	1	431	*****
11	BS90A-09	S-31	22690	225900	242800	60	90	1001	1558	1	558	*****
12	BS90A-01	S-31	22790	13900	23500	60	57	1001	1391	1	391	*****
13	BS90A-13	S-31	22790	41900	53200	60	74	1001	1476	1	476	*****
14	BS90A-05	S-31	22790	65600	80500	60	70	1001	1462	1	462	*****
15	BS90A15A	S-31	22790	123000	134500	60	76	1001	1477	1	477	*****
16	BS90A-07	S-31	22790	150300	161500	60	73	1001	1476	1	476	*****
17	BS90A-19	S-31	22790	174000	184900	60	70	1001	1492	1	492	*****
18	BS90A-17	S-31	22790	200900	224000	60	152	1001	2054	1	1054	*****
19	BS90A-03	S-31	22890	1000	40300	60	234	1001	2503	1	1503	*****
20	BS90A-11	S-31	22890	51600	84300	60	208	1001	2340	1	1340	*****
21	BS90A27A	S-31	22890	132100	154900	60	149	1001	1999	1	999	*****
22	BS90A-23	S-31	22890	165100	185600	60	126	1001	1879	1	879	*****
23	BS90A-29	S-31	22890	200700	222900	60	143	1001	2005	1	1005	*****
24	BS90A-25	S-31	22890	232800	252900	60	122	1001	1855	1	855	*****
25	BS90A-31	S-31	30190	25000	64700	60	238	1001	2604	1	1604	*****
26	BS90A-21	S-31	30190	192700	231500	60	229	1001	2471	1	1471	*****
27	BS90A-33	S-31	30290	4900	32700	60	159	1001	2007	1	1007	*****
28	BS90A-39	S-31	30290	43400	71300	60	160	1001	2047	1	1047	*****
29	BS90A-35	S-31	30290	81700	92100	60	65	1001	1418	1	418	*****
30	BS90A35A	S-31	30290	160600	173100	60	86	1341	1942	1	602	*****
31	BS90A-41	S-31	30290	184400	210200	60	139	1001	1956	1	956	*****
32	BS90A-37	S-31	30290	221700	243900	60	143	1001	1939	1	939	*****
33	BS90A-43	S-31	30390	20000	35300	60	114	1001	1799	1	799	*****
34	BS90A-45	S-31	30390	51000	70700	60	118	1001	1802	1	802	*****

247037

SUMMARY

TOTAL NUMBER OF LINES= 34
TOTAL NUMBER OF POINTS= 4464

545638

247038

LINE HEADER REPORT

LINE NUMBER	LINE NAME	ROCK DENSITY	GRAVITY FILTER/TAPER OR BASE ALT/RAMP		MAGNETICS FILTER/TAPER		BASE CONSTANT	COURSE	MAG CABLE	TRANS. DEPTH	EOTVOS GATE LENGTH/STEPS/PHASE/LOW AMP./HIGH AMP.				
			BASE	ALT/RAMP	FILTER/TAPER	FILTER/TAPER					LENGTH	STEPS	PHASE	LOW AMP.	HIGH AMP.
1	BS90A-12	2.20	600.	0.50	480.	0.50	-6583.80	111.5	689.	0.	32	16	30.	3.00	5.00
2	BS90A-16	2.20	600.	0.50	480.	0.50	-6583.79	291.3	689.	0.	16	8	30.	3.00	5.00
3	BS90A14A	2.20	300.	0.50	240.	0.50	-6583.78	110.7	689.	0.	16	8	30.	3.00	5.00
4	BS90A-10	2.20	600.	0.50	240.	0.50	-6583.78	291.1	689.	0.	64	16	30.	3.00	5.00
5	BS90A-8A	2.20	600.	0.50	240.	0.50	-6583.77	110.9	689.	0.	32	8	30.	3.00	5.00
6	BS90A-06	2.20	600.	0.50	240.	0.50	-6583.76	291.3	689.	0.	64	16	30.	3.00	5.00
7	BS90A-04	2.20	600.	0.50	480.	0.50	-6583.76	111.1	689.	0.	64	16	30.	3.00	5.00
8	BS90A-02	2.20	300.	0.50	480.	0.50	-6583.75	291.4	689.	0.	16	8	30.	3.00	5.00
9	BS90A-2A	2.20	300.	0.50	240.	0.50	-6583.75	291.3	689.	0.	16	8	30.	3.00	5.00
10	BS90A-2C	2.20	300.	0.50	240.	0.50	-6583.74	291.2	689.	0.	16	8	30.	3.00	5.00
11	BS90A-09	2.20	300.	0.50	240.	0.50	-6583.74	21.6	689.	0.	16	8	30.	3.00	5.00
12	BS90A-01	2.20	300.	0.50	240.	0.50	-6583.74	201.4	689.	0.	16	8	30.	3.00	5.00
13	BS90A-13	2.20	300.	0.50	240.	0.50	-6583.74	21.0	689.	0.	16	8	30.	3.00	5.00
14	BS90A-05	2.20	300.	0.50	240.	0.50	-6583.73	200.0	689.	0.	16	8	30.	3.00	5.00
15	BS90A15A	2.20	300.	0.50	240.	0.50	-6583.73	22.1	689.	0.	16	8	30.	3.00	5.00
16	BS90A-07	2.20	300.	0.50	240.	0.50	-6583.73	200.5	689.	0.	16	8	30.	3.00	5.00
17	BS90A-19	2.20	300.	0.50	240.	0.50	-6583.72	22.5	689.	0.	32	16	30.	3.00	5.00
18	BS90A-17	2.20	300.	0.50	240.	0.50	-6583.72	202.6	689.	0.	16	8	30.	3.00	5.00
19	BS90A-03	2.20	300.	0.50	240.	0.50	-6583.72	20.4	689.	0.	16	8	30.	3.00	5.00
20	BS90A-11	2.20	300.	0.50	240.	0.50	-6583.71	201.6	689.	0.	16	8	30.	3.00	5.00
21	BS90A27A	2.20	300.	0.50	240.	0.50	-6583.71	22.2	689.	0.	16	8	30.	3.00	5.00
22	BS90A-23	2.20	600.	0.50	240.	0.50	-6583.70	202.1	689.	0.	32	16	30.	3.00	5.00
23	BS90A-29	2.20	300.	0.50	240.	0.50	-6583.70	22.5	689.	0.	64	16	30.	3.00	5.00
24	BS90A-25	2.20	300.	0.50	240.	0.50	-6583.70	202.9	689.	0.	32	8	30.	3.00	5.00
25	BS90A-31	2.20	300.	0.50	240.	0.50	-6583.69	22.2	689.	0.	64	16	20.	3.00	5.00
26	BS90A-21	2.20	300.	0.50	240.	0.50	-6583.68	202.4	689.	0.	16	8	30.	3.00	5.00
27	BS90A-33	2.20	300.	0.50	240.	0.50	-6583.67	21.9	689.	0.	16	8	30.	3.00	5.00
28	BS90A-39	2.20	300.	0.50	240.	0.50	-6583.67	202.9	689.	0.	32	8	30.	3.00	5.00
29	BS90A-35	2.20	300.	0.50	480.	0.50	-6583.67	22.2	689.	0.	16	8	30.	3.00	5.00
30	BS90A35A	2.20	300.	0.50	240.	0.50	-6583.66	22.2	689.	0.	32	8	30.	3.00	5.00
31	BS90A-41	2.20	300.	0.50	240.	0.50	-6583.66	202.8	689.	0.	16	8	30.	3.00	5.00
32	BS90A-37	2.20	300.	0.50	240.	0.50	-6583.65	22.5	689.	0.	32	8	30.	3.00	5.00
33	BS90A-43	2.20	300.	0.50	480.	0.50	-6583.65	202.2	689.	0.	16	8	30.	3.00	5.00
34	BS90A-45	2.20	300.	0.50	480.	0.50	-6583.65	22.4	689.	0.	32	16	30.	3.00	5.00

51303

LINE NUMBER REPORT

SURVEY KILOMETER REPORT

CHANNEL:		LATI			RGRV				RMAG				
NAME:		LANTENNA			METER		GRAVITY		TOTAL		FIELD		
LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	SHIP KMS.	
1	39.4	-39.9	245	1	39.4	8533.2	245	1	39.4	61351.9	245	39.	
2	18.0	-39.9	112	2	18.0	8591.3	112	2	18.0	61332.7	112	18.	
3	17.2	-39.9	104	3	17.2	8527.9	104	3	17.2	61327.8	104	17.	
4	18.9	-39.9	110	4	18.9	8590.2	110	4	18.9	61379.5	110	19.	
5	31.2	-39.9	195	5	31.2	8534.0	195	5	9.7	61455.3	62	31.	
6	16.9	-39.9	104	6	16.3	8594.4	100	6	0.0	0.0	0	17.	
7	40.1	-40.0	241	7	40.1	8532.3	241	7	40.1	61327.1	241	40.	
8	21.3	-40.0	125	8	21.3	8592.7	125	8	21.3	61389.7	125	21.	
9	11.7	-40.0	68	9	11.7	8589.7	68	9	11.7	61403.8	68	12.	
10	10.9	-40.0	65	10	10.9	8588.8	65	10	10.9	61431.7	65	11.	
11	14.0	-39.9	90	11	14.0	8545.3	90	11	14.0	61390.3	90	14.	
12	9.9	-39.9	57	12	9.9	8571.1	57	12	9.9	61470.1	57	10.	
13	12.0	-39.9	74	13	12.0	8545.3	74	13	12.0	61322.1	74	12.	
14	11.7	-39.9	70	14	11.7	8571.3	70	14	11.7	61502.8	70	12.	
15	12.1	-39.9	76	15	12.1	8544.2	76	15	12.1	61282.8	76	12.	
16	12.0	-39.9	73	16	12.0	8571.1	73	16	12.0	61454.9	73	12.	
17	12.4	-39.9	70	17	12.4	8544.3	70	17	12.4	61256.1	70	12.	
18	26.5	-39.9	152	18	26.5	8570.3	152	18	26.5	61368.7	152	26.	
19	37.6	-39.8	234	19	37.6	8540.5	234	19	37.6	61408.5	234	38.	
20	33.6	-39.9	208	20	33.6	8567.1	208	20	33.6	61429.9	208	34.	
21	25.0	-39.9	149	21	25.0	8547.0	149	21	25.0	61325.3	149	25.	
22	22.0	-39.9	126	22	22.0	8569.7	126	22	22.0	61323.7	126	22.	
23	25.3	-39.9	143	23	25.3	8548.1	143	23	25.3	61316.2	143	25.	
24	21.5	-40.0	122	24	21.5	8572.0	122	24	21.5	61338.6	122	21.	
25	40.2	-39.9	238	25	40.2	8548.2	238	25	40.2	61328.6	238	40.	
26	36.8	-39.9	229	26	36.8	8570.6	229	26	36.8	61319.7	229	37.	
27	25.4	-39.9	159	27	25.4	8549.3	159	27	25.4	61314.1	159	25.	
28	26.4	-40.0	160	28	26.4	8572.2	160	28	26.4	61379.8	160	26.	
29	10.5	-40.0	65	29	10.5	8547.0	65	29	10.5	61344.0	65	11.	
30	15.1	-39.9	86	30	15.1	8547.6	86	30	15.1	61313.4	86	15.	
31	24.1	-40.0	139	31	24.1	8573.5	139	31	24.1	61372.9	139	24.	
32	23.7	-39.9	143	32	23.7	8548.5	143	32	23.7	61336.9	143	24.	
33	20.1	-40.0	114	33	20.1	8574.7	114	33	20.1	61354.9	114	20.	
34	20.3	-40.0	118	34	20.3	8551.7	118	34	20.3	61365.6	118	20.	
:TOTALS		743.8	-39.9	4464	743.1		8560.7	4460	705.4		61364.2	4227	:

247039

TOTAL SURVEY KILOMETERS= 743.76

543010

METER DESCRIPTION TABLE REPORT

247040

NUMBER OF S-METERS USED IN SURVEY= 1

S-METER S-31

HI-CUT FILTER 240.

CALIBRATION TABLE

COUNTER READING	MILLIGAL VALUE								
8000.00	= 8137.12	8100.00	= 8239.00	8200.00	= 8340.87	8300.00	= 8442.75	8400.00	= 8544.62
8500.00	= 8646.48	8600.00	= 8748.34	8700.00	= 8850.20	8800.00	= 8952.05	8900.00	= 9053.89
9000.00	= 9155.73	9100.00	= 9257.56	*****	= *****	*****	= *****	*****	= *****

R-C FILTER TABLE

FILTER 1	FILTER 2	FILTER 3	FILTER 4	FILTER 5	FILTER 6	FILTER 7	FILTER 8	FILTER 9	FILTER 10
20.00	20.00	20.00	60.00	60.00	*****	*****	*****	*****	*****

247041

APPENDIX III

Intersection Report
Adjustment Reports

Explanation of the terms and abbreviations used in the Intersection Report:

“X-LINE” means the line number of the crossing line.
“XL-L” means value on cross line minus value on line.
“*****” means no value.

INTERSECTION TABLE SUMMARY

THE FOLLOWING DATA CHANNELS HAVE
 BEEN INTERSECTED:

SFAG FREE AIR GRAVITY
 S2DB 2-D BOUG GRAVITY
 SMEN MAGNETIC ANOMALY
 WATR WATER DEPTH-M

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L	
1	7:10:10	11	0.4	-0.6	4.2	-0.6	-50.4	-39.5	77.0	1.0	
	6:39:54	12	-0.2	0.1	3.6	0.1	-36.6	-22.9	76.9	2.1	
	7:26:17	13	-2.9	-0.6	0.9	-0.6	-203.8	-17.6	77.0	1.0	
	6:54:14	14	0.8	0.6	4.6	0.6	-1.1	-0.9	77.1	-0.1	
	7:34:10	15	-4.2	-0.5	-0.4	-0.5	-264.3	-19.9	77.0	1.0	
	7: 2:18	16	0.9	0.5	4.7	0.5	-9.8	-29.9	76.9	2.1	
	7:48:22	17	-4.9	0.4	-1.1	0.4	-287.4	-22.7	77.3	0.7	
	7:41:10	18	-4.5	-0.6	-0.7	-0.6	-284.5	-14.4	77.0	0.0	
	6:46:20	19	0.3	-0.1	4.1	-0.1	-12.4	-21.9	77.2	1.3	
	7:17:51	20	-0.7	-0.4	3.1	-0.4	-117.7	33.2	77.1	0.9	
	8:20: 6	21	-4.5	-0.7	-0.6	-0.7	-176.7	-23.0	77.0	2.0	
	8: 5:33	22	-4.6	-0.9	-0.8	-0.9	-282.4	-13.5	77.0	2.0	
	8:27:56	23	-4.6	0.7	-0.8	0.7	-170.5	-21.8	77.1	0.4	
	8:13:27	24	-4.5	0.0	-0.7	0.0	-234.8	-23.8	77.5	-0.5	
	8:36: 0	25	-5.1	-0.1	-1.2	-0.1	-214.3	-3.3	77.1	2.0	
	7:56:15	26	-4.8	0.0	-1.0	0.0	-291.6	-16.5	77.3	-0.2	
	8:43: 1	27	-5.7	-0.7	-1.8	-0.7	-246.5	-21.1	77.5	0.5	
	9: 7:31	28	-6.9	-1.3	-3.1	-1.3	-249.5	-4.4	78.0	1.2	
	8:51: 0	30	-6.3	-1.4	-2.5	-1.4	-265.1	-14.2	78.0	1.0	
	9:20:26	31	-6.8	-0.3	-2.9	-0.3	-214.6	-16.9	78.4	0.6	
	8:59:42	32	-6.8	-1.0	-3.0	-1.0	-265.1	-25.7	77.6	-0.6	
	9:46:21	33	-5.8	0.3	-2.0	0.3	-198.4	-19.9	78.2	-1.2	
	10:14:19	34	-6.4	-0.9	-2.5	-0.9	-191.7	-12.9	78.9	1.1	
	2	18: 7:14	25	-2.8	-1.7	1.0	-1.7	-292.9	49.7	77.0	2.3
		18: 0:19	27	-2.8	-1.6	1.0	-1.6	-297.9	33.9	77.0	1.0
		17:35:59	28	-0.2	-1.9	3.6	-1.9	-168.5	38.5	77.1	1.9
		17:52:15	30	-2.2	-2.1	1.6	-2.1	-275.5	32.0	77.7	1.3
		17:23:42	31	0.8	-2.1	4.6	-2.1	-108.3	28.6	78.0	1.0
		17:43:40	32	-1.2	-1.7	2.7	-1.7	-225.2	17.3	77.4	-0.4
		16:58:36	33	-1.2	-0.9	2.7	-0.9	-175.4	16.5	77.5	-0.5
		16:31:37	34	-3.2	-1.8	0.7	-1.8	-213.5	23.9	79.0	1.0

247043

247044

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
3	4:14: 8	11	-2.0	-0.2	1.9	-0.2	-90.8	-9.1	77.9	0.0
	4:29:57	13	-4.4	-0.2	-0.6	-0.3	-221.2	14.2	77.0	1.0
	3:58: 4	14	-1.6	1.0	2.3	0.9	-56.2	31.7	77.1	0.1
	4:37:49	15	-5.7	-1.1	-1.9	-1.2	-268.3	-2.0	77.1	0.9
	4: 6: 6	16	-1.8	1.5	2.0	1.5	-59.8	-3.0	78.0	0.5
	4:51:54	17	-6.7	0.9	-2.9	0.9	-302.3	2.2	77.0	1.0
	4:44:57	18	-6.6	-0.9	-2.8	-0.9	-289.4	9.2	78.0	-1.0
	4:21:41	20	-2.7	-0.9	1.2	-0.8	-147.3	64.7	78.0	0.0
	5:23:36	21	-4.6	-1.7	-0.8	-1.7	-206.5	-2.0	77.2	1.8
	5: 8:49	22	-6.4	-0.2	-2.6	-0.2	-286.2	4.5	77.2	2.0
	5:31:25	23	-4.2	0.8	-0.4	0.8	-222.4	-3.2	77.0	0.0
5:16:49	24	-5.6	0.6	-1.8	0.6	-239.6	2.7	77.1	-0.1	
4:59:51	26	-6.4	0.1	-2.6	0.1	-307.0	0.2	77.0	0.0	

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
4	7:51:11	11	1.5	-1.4	5.3	-1.4	-78.9	-26.9	76.8	0.8
	8:20: 9	12	0.7	-1.1	4.5	-1.1	-27.1	-22.3	77.0	2.0
	7:35:49	13	-1.4	-2.2	2.4	-2.2	-225.4	-7.3	77.0	1.0
	8: 6: 9	14	1.8	-0.2	5.6	-0.2	-6.8	9.4	77.0	0.4
	7:28:37	15	-2.4	-1.7	1.4	-1.7	-275.7	-12.2	77.0	1.0
	7:58:38	16	1.9	-0.4	5.7	-0.4	-29.3	-13.2	77.0	2.0
	7:14:59	17	-3.7	-0.2	0.1	-0.2	-304.9	-6.7	77.0	1.0
	7:21:52	18	-3.5	-1.2	0.3	-1.2	-299.2	-3.7	77.0	0.0
	8:13:51	19	1.3	-0.6	5.1	-0.6	-11.0	-11.5	77.0	1.0
	7:43:50	20	0.1	-0.5	4.0	-0.5	-147.5	48.6	77.0	1.0
	6:58:43	22	-4.1	-1.1	-0.3	-1.1	-290.5	-9.2	77.0	2.0
	6:51:23	24	-3.7	-0.8	0.1	-0.8	-252.7	-14.7	77.0	0.0
	7: 7:28	26	-4.2	-0.2	-0.4	-0.2	-300.5	-12.8	77.0	0.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
5	17:41:37	11	0.9	-2.2	4.7	-2.2	-113.1	-33.7	77.2	0.4
	17:10:18	12	-0.3	-0.5	3.5	-0.5	-11.2	-28.3	78.0	0.2
	17:58:26	13	-1.5	-2.0	2.3	-2.0	-241.8	-11.5	77.1	1.8
	17:25:40	14	0.8	0.2	4.6	0.2	-19.2	7.2	77.7	-0.7
	18: 6:15	15	-2.8	-1.0	1.1	-1.0	*****	*****	77.5	0.5
	17:33:53	16	1.1	-0.8	5.0	-0.8	-59.9	-15.5	78.0	1.0
	18:20:42	17	-4.0	0.2	-0.2	0.2	*****	*****	77.0	1.0
	18:13:17	18	-3.6	-1.7	0.2	-1.7	*****	*****	77.3	-0.3
	17:17:13	19	0.2	-0.1	4.1	-0.1	-3.7	-13.4	78.0	0.5
	17:49:31	20	0.0	-1.2	3.8	-1.2	-173.1	47.3	78.0	0.0
	18:53:31	21	-3.8	-1.5	0.0	-1.5	*****	*****	77.0	2.0
	18:38:23	22	-3.9	-1.6	-0.1	-1.6	*****	*****	77.3	1.7
	19: 1:18	23	-4.0	-1.1	-0.2	-1.1	*****	*****	77.1	-0.1
	18:46:13	24	-3.8	-1.4	0.0	-1.4	*****	*****	77.8	-0.8

19: 9:37	25	-4.7	-1.2	-0.9	-1.1*****	77.2	1.8
18:28:51	26	-4.0	-0.6	-0.1	-0.6*****	77.0	0.5
19:16:47	27	-5.7	-0.9	-1.8	-1.0*****	77.0	1.0
19:40:26	28	-8.5	-2.1	-4.7	-2.1*****	77.2	2.6
19:24:40	30	-6.9	-1.9	-3.0	-1.9*****	77.3	1.7
19:52:55	31	-9.1	-1.7	-5.3	-1.7*****	77.9	1.1
19:33: 4	32	-7.9	-0.8	-4.1	-0.8*****	77.4	-0.4

247045

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
6	24: 5:38	11	4.4	-7.3	8.3	-7.3*****			78.1	-0.1
	24:36: 3	12	4.8	-6.2	8.6	-6.2*****			78.9	0.1
	23:49:18	13	2.6	-7.2	6.4	-7.2*****			78.0	0.9
	24:21: 5	14	5.4	-5.7	9.2	-5.7*****			78.0	-1.0
	23:41:56	15	1.8	-7.1	5.6	-7.1*****			78.0	0.0
	24:13: 9	16	5.2	-6.5	9.0	-6.5*****			78.7	0.3
	23:27:39	17	0.6	-5.4	4.4	-5.4*****			78.0	0.3
	23:34:56	18	1.1	-7.6	4.9	-7.5*****			78.0	-1.0
	24:29:14	19	5.3	-6.3	9.2	-6.3*****			79.0	-1.0
	23:57:56	20	3.5	-6.6	7.4	-6.7*****			78.1	-0.1
	23:19:32	26	0.0	-5.7	3.8	-5.7*****			78.2	-1.2

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
7	3:10: 8	11	-5.5	0.0	-1.7	0.0	-196.3	-3.2	78.3	-0.7
	2:39:36	12	-3.8	0.1	0.0	0.0	-108.9	20.3	78.4	0.5
	3:26:40	13	-7.3	-0.5	-3.5	-0.5	-268.9	27.8	78.7	-0.7
	2:54:57	14	-4.2	1.2	-0.4	1.2	-122.1	46.5	79.0	-1.4
	3:33:56	15	-8.1	-0.3	-4.3	-0.3	-283.7	32.3	78.0	0.0
	3: 2:43	16	-4.8	0.6	-1.0	0.6	-156.9	27.5	78.3	0.7
	3:48: 5	17	-8.8	1.2	-5.0	1.3	-281.7	27.1	78.8	0.2
	3:40:50	18	-8.6	-0.8	-4.7	-0.8	-288.9	35.3	78.7	-1.7
	2:46:42	19	-3.9	0.8	0.0	0.8	-105.6	33.3	78.9	-0.9
	3:17:52	20	-6.4	0.1	-2.5	0.1	-235.3	81.4	78.4	-0.4
	4:20:29	21	-7.5	-0.2	-3.7	-0.2	-255.9	17.2	78.1	0.9
	4: 5:31	22	-8.1	-1.0	-4.3	-1.0	-266.3	25.8	78.0	1.0
	4:28: 1	23	-7.5	0.6	-3.7	0.7	-263.4	11.5	78.6	-1.6
	4:13:12	24	-7.7	0.1	-3.9	0.1	-258.5	25.6	78.0	-1.0
	4:36: 8	25	-7.5	-0.3	-3.7	-0.3	-269.7	23.5	78.0	1.0
	3:56: 3	26	-8.6	-0.1	-4.8	0.0	-275.3	23.7	79.0	-2.0
	4:43:19	27	-7.6	0.0	-3.8	0.0	-274.0	10.1	78.5	-1.3
	5: 5:44	28	-9.3	-1.8	-5.5	-1.8	-281.0	23.8	78.0	1.5
	4:50:33	29	-8.0	-1.2	-4.2	-1.2	-278.6	20.7	78.0	0.0
	4:50:41	30	-8.0	-0.8	-4.2	-0.8	-278.6	17.6	78.0	1.0
	5:17:37	31	-10.7	-0.7	-6.9	-0.7	-273.5	0.2	78.0	1.0
	4:58:36	32	-8.7	-0.9	-4.8	-0.9	-281.8	2.5	78.0	-1.0
	5:41:51	33	-10.6	-1.1	-6.7	-1.1	-244.2	4.1	78.0	0.0
	6: 7:23	34	-9.1	-1.6	-5.2	-1.6	-217.6	7.7	78.0	2.0

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247046

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
8	10:12:14	9	-13.4	-1.1	-9.5	-1.1	-204.6	-13.0	77.0	2.0
	10: 8:53	21	-14.0	-2.2	-10.2	-2.2	-208.4	-10.0	77.0	1.1
	10: 2: 0	23	-14.7	-0.6	-10.8	-0.6	-215.1	-1.0	77.0	0.2
	9:54: 0	25	-15.0	-1.3	-11.2	-1.3	-220.6	7.5	77.0	2.0
	9:46:43	27	-15.1	-1.2	-11.3	-1.2	-223.5	-6.1	77.0	0.0
	9:25:30	28	-15.2	-1.2	-11.4	-1.2	-223.1	11.1	77.0	2.2
	9:39:49	29	-15.5	-2.5	-11.6	-2.5	-224.7	6.2	77.0	0.8
	9:13:40	31	-14.2	-1.7	-10.4	-1.7	-219.3	-8.1	77.0	2.0
	9:32: 1	32	-15.4	-1.6	-11.5	-1.6	-225.5	-13.3	77.0	0.8
	8:49: 7	33	-12.5	-1.9	-8.7	-1.9	-202.5	-3.4	77.0	1.0
	8:23:52	34	-9.7	-2.2	-5.9	-2.2	-187.3	-1.3	77.0	2.4

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
9	14:18: 8	8	-14.5	1.1	-10.7	1.1	-217.6	13.0	79.0	-2.0
	14:52:20	18	-11.4	-1.3	-7.5	-1.3	-173.2	8.5	79.0	-2.0
	15:12:57	20	-10.6	-0.6	-6.7	-0.6	-148.7	43.6	79.0	-1.0
	14:14:49	21	-14.8	-1.3	-11.0	-1.4	-220.9	2.4	78.2	-0.1
	14:28:44	22	-13.6	-1.8	-9.8	-1.9	-203.4	8.1	79.0	0.0
	14: 8: 1	23	-15.2	0.0	-11.4	0.0	-226.3	10.3	79.0	-1.8
	14:22:15	24	-14.1	-0.1	-10.3	-0.1	-211.7	14.9	78.9	-0.9
	14:37:50	26	-12.4	-1.0	-8.6	-1.0	-192.8	-0.5	79.0	-2.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
10	20:49:50	19	-10.0	-1.3	-6.1	-1.3	-160.0	22.5	77.0	1.0
	20:20:52	20	-9.3	-1.9	-5.5	-1.9	-150.6	45.4	77.0	1.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
11	23:41:14	1	-0.2	0.6	3.6	0.6	-89.9	39.5	78.0	-1.0
	23:53:53	3	-2.1	0.2	1.7	0.2	-99.9	9.1	77.9	0.0
	23:34:31	4	0.1	1.4	3.9	1.4	-105.8	26.9	77.7	-0.8
	23:24:40	5	-1.4	2.2	2.5	2.2	-146.7	33.7	77.6	-0.4
	23:17:52	6	-2.8	7.3	1.0	7.3	-169.5*****		78.0	0.1
	23: 7:25	7	-5.5	0.0	-1.7	0.0	-199.5	3.2	77.6	0.7

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
12	1:44:34	1	-0.1	-0.1	3.7	-0.1	-59.4	22.9	79.0	-2.1
	1:50:52	4	-0.4	1.1	3.4	1.1	-49.4	22.3	79.0	-2.0
	1:59:52	5	-0.8	0.5	3.0	0.5	-39.4	28.3	78.2	-0.2
	2: 5:43	6	-1.5	6.2	2.4	6.2	-50.2*****		79.0	-0.1
	2:15:12	7	-3.8	-0.1	0.1	0.0	-88.6	-20.3	78.9	-0.5

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
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13	4:59:47	1	-3.5	0.6	0.3	0.6	-221.5	17.6	78.0	-1.0
	5:11:47	3	-4.7	0.2	-0.8	0.3	-207.1	-14.2	78.0	-1.0
	4:53:22	4	-3.6	2.2	0.2	2.2	-232.7	7.3	78.0	-1.0
	4:44:10	5	-3.5	2.0	0.3	2.0	-253.3	11.5	78.9	-1.8
	4:37:27	6	-4.6	7.2	-0.8	7.2	-250.4*****		78.9	-0.9
	4:27: 9	7	-7.9	0.5	-4.0	0.5	-241.1	-27.8	78.0	0.7

247047

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
14	7:13:49	1	1.3	-0.6	5.2	-0.6	-2.0	0.9	77.0	0.1
	7: 2:12	3	-0.6	-1.0	3.2	-0.9	-24.5	-31.7	77.2	-0.1
	7:20:16	4	1.6	0.2	5.5	0.2	2.6	-9.4	77.4	-0.4
	7:29:36	5	1.0	-0.2	4.8	-0.2	-12.1	-7.2	77.0	0.7
	7:35:59	6	-0.3	5.7	3.6	5.7	-28.7*****		77.0	1.0
	7:45:40	7	-3.0	-1.2	0.8	-1.2	-75.6	-46.5	77.5	1.4

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
15	13: 8: 9	1	-4.7	0.5	-0.9	0.5	-284.3	19.9	78.0	-1.0
	13:20:58	3	-6.8	1.1	-3.0	1.2	-270.3	2.0	78.0	-0.9
	13: 1:41	4	-4.1	1.7	-0.3	1.7	-287.8	12.2	78.0	-1.0
	12:52: 0	5	-3.7	1.0	0.1	1.0	-289.0*****		78.0	-0.5
	12:45: 6	6	-5.3	7.1	-1.4	7.1	-278.8*****		78.0	0.0
	12:34:57	7	-8.3	0.3	-4.5	0.3	-251.4	-32.3	78.0	0.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
16	15:20: 2	1	1.4	-0.5	5.2	-0.5	-39.6	29.9	79.0	-2.1
	15: 8:31	3	-0.4	-1.5	3.5	-1.5	-62.8	3.0	78.5	-0.5
	15:26:30	4	1.5	0.4	5.3	0.4	-42.5	13.2	79.0	-2.0
	15:35:52	5	0.3	0.8	4.1	0.8	-75.4	15.5	79.0	-1.0
	15:42:22	6	-1.3	6.5	2.5	6.5	-94.6*****		79.0	-0.3
	15:52:18	7	-4.2	-0.6	-0.4	-0.6	-129.3	-27.5	79.0	-0.7

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
17	18:15: 1	1	-4.5	-0.4	-0.6	-0.4	-310.1	22.7	78.0	-0.7
	18:26:27	3	-5.8	-0.9	-2.0	-0.9	-300.1	-2.2	78.0	-1.0
	18: 9:10	4	-3.9	0.2	-0.1	0.2	-311.5	6.7	78.0	-1.0
	18: 0:35	5	-3.8	-0.2	0.0	-0.2	-305.7*****		78.0	-1.0
	17:54:24	6	-4.8	5.4	-1.0	5.4	-287.1*****		78.3	-0.3
	17:45:15	7	-7.5	-1.2	-3.7	-1.3	-254.5	-27.1	79.0	-0.2

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
18	20:39: 8	1	-5.1	0.6	-1.3	0.6	-298.8	14.4	77.0	0.0
	20:27:10	3	-7.5	0.9	-3.7	0.9	-280.2	-9.2	77.0	1.0
	20:45: 9	4	-4.7	1.2	-0.9	1.2	-302.9	3.7	77.0	0.0
	20:54: 2	5	-5.3	1.7	-1.5	1.7	-300.0*****		77.0	0.3

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21: 0:26	6	-6.4	7.6	-2.6	7.5	-284.5*****		77.0	1.0
21: 9:52	7	-9.3	0.8	-5.5	0.8	-253.7	-35.3	77.0	1.7
21:54:42	9	-12.7	1.3	-8.9	1.3	-164.6	-8.5	77.0	2.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
19	1:58: 0	1	0.2	0.1	4.1	0.1	-34.3	21.9	78.5	-1.3
	1:51: 4	4	0.7	0.6	4.5	0.6	-22.5	11.5	78.0	-1.0
	1:41: 9	5	0.1	0.1	4.0	0.1	-17.1	13.4	78.5	-0.5
	1:34:33	6	-0.9	6.3	2.9	6.3	-29.7*****		78.0	1.0
	1:24: 6	7	-3.1	-0.8	0.8	-0.8	-72.3	-33.3	78.0	0.9
	0:34:16	10	-11.3	1.3	-7.5	1.3	-137.6	-22.5	78.0	-1.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
20	6:45: 5	1	-1.1	0.4	2.7	0.4	-84.4	-33.2	78.0	-0.9
	6:32:48	3	-3.5	0.9	0.3	0.8	-82.7	-64.7	78.0	0.0
	6:51:43	4	-0.4	0.5	3.4	0.5	-98.9	-48.6	78.0	-1.0
	7: 1:15	5	-1.2	1.2	2.7	1.2	-125.8	-47.3	78.0	0.0
	7: 8: 7	6	-3.1	6.6	0.7	6.7	-139.5*****		78.0	0.1
	7:18:18	7	-6.3	-0.1	-2.5	-0.1	-153.9	-81.4	78.0	0.4
	8: 7: 2	9	-11.2	0.6	-7.4	0.6	-105.2	-43.6	78.0	1.0
	8: 7: 0	10	-11.2	1.9	-7.4	1.9	-105.2	-45.4	78.0	-1.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
21	14:50:28	1	-5.2	0.7	-1.3	0.7	-199.7	23.0	79.0	-2.0
	15: 3:23	3	-6.3	1.7	-2.5	1.7	-208.5	2.0	79.0	-1.8
	14:35:38	5	-5.3	1.5	-1.5	1.5	-241.7*****		79.0	-2.0
	14:19: 8	7	-7.7	0.2	-3.9	0.2	-238.8	-17.2	79.0	-0.9
	13:32:30	8	-16.2	2.2	-12.4	2.2	-218.4	10.0	78.1	-1.1
	13:32:34	9	-16.2	1.3	-12.4	1.4	-218.4	-2.4	78.1	0.1

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
22	17:18:13	1	-5.5	0.9	-1.7	0.9	-296.0	13.5	79.0	-2.0
	17: 6:13	3	-6.6	0.2	-2.8	0.2	-281.7	-4.5	79.2	-2.0
	17:24: 1	4	-5.2	1.1	-1.4	1.1	-299.7	9.2	79.0	-2.0
	17:32:37	5	-5.5	1.6	-1.7	1.6	-287.3*****		79.0	-1.7
	17:48:23	7	-9.1	1.0	-5.3	1.0	-240.5	-25.8	79.0	-1.0
	18:33:28	9	-15.4	1.8	-11.6	1.9	-195.2	-8.1	79.0	0.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
23	21:32:33	1	-3.9	-0.7	-0.1	-0.7	-192.3	21.8	77.4	-0.4
	21:44:39	3	-3.4	-0.8	0.4	-0.8	-225.6	3.2	77.0	0.0
	21:18:34	5	-5.1	1.1	-1.3	1.1	-242.8*****		77.0	0.1
	21: 2:50	7	-6.9	-0.6	-3.0	-0.7	-251.8	-11.5	77.0	1.6
	20:18:33	8	-15.3	0.6	-11.5	0.6	-216.0	1.0	77.2	-0.2

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20:18:34 9 -15.3 0.0 -11.5 0.0 -216.1 -10.3 77.2 1.8

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
24	23:50:56	1	-4.5	0.0	-0.7	0.0	-258.5	23.8	77.0	0.5
	23:38:59	3	-4.9	-0.6	-1.1	-0.6	-236.9	-2.7	77.0	0.1
	23:56:39	4	-4.6	0.8	-0.8	0.8	-267.4	14.7	77.0	0.0
	24: 5:15	5	-5.2	1.4	-1.4	1.4	-264.6*****		77.0	0.8
	24:20:58	7	-7.6	-0.1	-3.8	-0.1	-233.0	-25.6	77.0	1.0
	25: 5:30	9	-14.2	0.1	-10.4	0.1	-196.8	-14.9	78.0	0.9

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LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
25	4:20:47	1	-5.1	0.1	-1.3	0.1	-217.6	3.3	79.1	-2.0
	4:38:23	2	-4.5	1.7	-0.7	1.7	-243.1	-49.7	79.3	-2.3
	4: 5:49	5	-5.8	1.2	-2.0	1.1	-240.1*****		79.0	-1.8
	3:49: 4	7	-7.8	0.3	-4.0	0.3	-246.3	-23.5	79.0	-1.0
	3: 1:12	8	-16.3	1.3	-12.5	1.3	-213.1	-7.5	79.0	-2.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
26	21:18:11	1	-4.8	0.0	-1.0	0.0	-308.1	16.5	77.0	0.2
	21: 4:53	3	-6.3	-0.1	-2.5	-0.1	-306.8	-0.2	77.0	0.0
	21:24:41	4	-4.4	0.2	-0.6	0.2	-313.3	12.8	77.0	0.0
	21:34:20	5	-4.5	0.6	-0.7	0.6	-300.8*****		77.5	-0.5
	21:41:26	6	-5.7	5.7	-1.9	5.7	-283.8*****		77.0	1.2
	21:51:48	7	-8.7	0.1	-4.9	0.0	-251.6	-23.7	77.0	2.0
	22:39:23	9	-13.4	1.0	-9.6	1.0	-193.3	0.5	77.0	2.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
27	2:23: 8	1	-6.4	0.7	-2.5	0.7	-267.6	21.1	78.0	-0.5
	2:41:34	2	-4.4	1.6	-0.6	1.6	-264.0	-33.9	78.0	-1.0
	2: 7:48	5	-6.6	0.9	-2.8	1.0	-264.1*****		78.0	-1.0
	1:50:34	7	-7.6	0.0	-3.7	0.0	-263.9	-10.1	77.3	1.3
	1: 1:25	8	-16.3	1.2	-12.5	1.2	-229.6	6.1	77.0	0.0

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
28	5:11:46	1	-8.2	1.3	-4.4	1.3	-253.9	4.4	79.2	-1.2
	4:54:34	2	-2.2	1.9	1.6	1.9	-130.0	-38.5	79.0	-1.9
	5:25:49	5	-10.6	2.1	-6.8	2.1	-269.6*****		79.8	-2.6
	5:42:27	7	-11.1	1.8	-7.3	1.8	-257.2	-23.8	79.5	-1.5
	6:29:47	8	-16.4	1.2	-12.6	1.2	-211.9	-11.1	79.2	-2.2

LINE	POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
29	9:16:52	7	-9.2	1.2	-5.4	1.2	-257.9	-20.7	78.0	0.0
	8:28:48	8	-18.0	2.5	-14.1	2.5	-218.5	-6.2	77.8	-0.8

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9:10:18	30	-10.6	1.6	-6.8	1.6	-262.2	-4.8	78.0	1.0
LINE POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
30 16:43:29	1	-7.7	1.4	-3.9	1.4	-279.3	14.2	79.0	-1.0
17: 0:12	2	-4.3	2.1	-0.5	2.1	-243.5	-32.0	79.0	-1.3
16:29:36	5	-8.7	1.9	-4.9	1.9	-267.8*****		79.0	-1.7
16:13:37	7	-8.8	0.8	-5.0	0.8	-261.0	-17.6	79.0	-1.0
16: 7:24	29	-9.0	-1.6	-5.2	-1.6	-267.0	4.8	79.0	-1.0

LINE POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
31 19:21:31	1	-7.0	0.3	-3.2	0.3	-231.4	16.9	79.0	-0.6
19: 4:41	2	-1.4	2.1	2.5	2.1	-79.7	-28.6	79.0	-1.0
19:35:27	5	-10.8	1.7	-7.0	1.7	-276.4*****		79.0	-1.1
19:51:44	7	-11.4	0.7	-7.6	0.7	-273.2	-0.2	79.0	-1.0
20:37:34	8	-15.9	1.7	-12.1	1.7	-227.4	8.1	79.0	-2.0

LINE POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
32 23:47: 4	1	-7.8	1.0	-4.0	1.0	-290.8	25.7	77.0	0.6
24: 4:52	2	-2.8	1.7	1.0	1.7	-207.9	-17.3	77.0	0.4
23:32:28	5	-8.7	0.8	-4.9	0.8	-289.6*****		77.0	0.4
23:15:53	7	-9.6	0.9	-5.8	0.9	-279.3	-2.5	77.0	1.0
22:28:52	8	-16.9	1.6	-13.1	1.6	-238.9	13.3	77.8	-0.8

LINE POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
33 2:18:27	1	-5.5	-0.3	-1.7	-0.3	-218.3	19.9	77.0	1.2
2: 1:21	2	-2.1	0.9	1.7	0.9	-158.9	-16.5	77.0	0.5
2:47:38	7	-11.6	1.1	-7.8	1.1	-240.2	-4.1	78.0	0.0
3:32: 1	8	-14.5	1.9	-10.6	1.9	-205.9	3.4	78.0	-1.0

LINE POINT	X-LINE	SFAG	XL-L	S2DB	XL-L	SMEN	XL-L	WATR	XL-L
34 6:35:45	1	-7.3	0.9	-3.4	0.9	-204.6	12.9	80.0	-1.1
6:53: 3	2	-5.0	1.8	-1.1	1.8	-189.6	-23.9	80.0	-1.0
6: 6:16	7	-10.7	1.6	-6.9	1.6	-209.9	-7.7	80.0	-2.0
5:20:20	8	-11.9	2.2	-8.1	2.2	-188.6	1.3	79.4	-2.4

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SYSTEMATIC ADJUSTMENT TABLE SUMMARY

THE FOLLOWING DATA CHANNELS HAVE
BEEN ADJUSTED:

SFA* ADJUSTED FREE AIR
S2D* ADJUSTED 2-D BOUG
SME* ADJUSTED MAGNETIC

247051

Explanation of the terms and abbreviations used in the Adjustment Statistic report:

"NO. OF INT."	is the number of intersections on the line.
"STD.DEV."	is the standard deviation of the intersection misties.
"SYS.ADJ."	is the systematic adjustment applied to the line.
"MRS"	is the mean random scatter or average absolute mistie for each line.
"BSA" and "ASA"	are before and after systematic adjustment, respectively.
"OR.M.T."	is the original mistie value.
"RE.ADJ."	is the random error adjustment.
"FIN.CH"	is the final choice value at the intersection.

Note that there are two sets of values printed for mean random scatter: the averages at the bottom of the "MRS" columns, and the values under a separate heading immediately below. The averages represent the average of the line averages while the second set represents the average over the entire survey.

ADJUSTMENT OF FREE AIR GRAVITY (SFAG)
 CONVERGENCE COMPLETE
 ** 17 ITERATIONS PERFORMED**
 MAX. ERROR=0.8487320E-02

MAXIMAL CONNECTED SUBNETWORK 1
 *** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	23	0.307	0.082	0.550	0.258	-.1937151E-03
2	8	0.307	-0.938	1.728	0.268	0.4780173E-02
3	13	0.511	0.224	0.771	0.428	-.1355782E-02
4	13	0.351	-0.727	0.907	0.297	-.1395881E-02
5	21	0.371	-0.781	1.177	0.294	-.1509786E-02
6	11	0.278	-6.368	6.497	0.216	-.8900762E-03
7	24	0.370	0.201	0.666	0.295	-.2849549E-03
8	11	0.383	-0.917	1.596	0.264	0.3418744E-02
9	8	0.399	-0.403	0.922	0.305	-.8572042E-03
10	2	0.038	-1.574	1.606	0.038	0.1374871E-02
11	6	0.402	0.727	1.960	0.310	0.2111301E-02
12	5	0.225	0.019	1.595	0.191	0.2154334E-02
13	6	0.354	0.898	2.127	0.309	0.2081439E-02
14	6	0.200	-0.741	1.472	0.171	0.1952276E-02
15	6	0.377	0.721	1.950	0.315	0.1763389E-02
16	6	0.437	-0.374	1.701	0.305	0.1515552E-02
17	6	0.268	-0.747	1.389	0.248	0.1208588E-02
18	7	0.229	0.900	2.011	0.179	0.8849353E-03
19	6	0.298	-0.277	1.530	0.258	0.5385727E-03
20	8	0.344	0.343	1.531	0.244	0.1803786E-03
21	6	0.477	1.011	1.277	0.393	-.1191944E-03
22	6	0.375	0.873	1.107	0.316	-.6125867E-03
23	6	0.325	-0.318	0.660	0.240	-.9523183E-03
24	6	0.345	0.036	0.522	0.273	-.1469325E-02
25	5	0.186	0.425	0.895	0.145	-.1585439E-02
26	7	0.411	-0.050	1.092	0.358	-.2067119E-02
27	5	0.243	0.409	0.880	0.233	-.2141461E-02
28	5	0.545	1.187	1.657	0.429	-.2155423E-02
29	3	0.541	1.854	1.760	0.504	-.1818299E-02
30	5	0.410	0.998	1.559	0.301	-.1818717E-02
31	5	0.272	0.821	1.291	0.210	-.1499549E-02
32	5	0.382	0.727	1.198	0.301	-.1098290E-02
33	4	0.638	0.519	1.053	0.629	-.4439950E-03
34	4	0.367	1.239	1.632	0.299	0.3045648E-03

34	268	0.352	0.000	1.479	0.289	0.1862645E-08
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

**** AVERAGES OF SQUARES OF MISTIES ****

BEFORE REMOVAL OF SYSTEMATIC ERROR 4.72
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.13
 RATIO 35.16

247053

**** ROOT MEAN SQUARE (RMS) MISTIE ****
 BEFORE REMOVAL OF SYSTEMATIC ERROR 2.17
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.37
 RATIO 5.93

**** AVERAGES OF ABSOLUTE MISTIES (MEAN RANDOM SCATTER) ****
 BEFORE REMOVAL OF SYSTEMATIC ERROR 1.41
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.29
 RATIO 4.89
 AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 0.84

**** INTERSECTION STATISTICS ****

LINE	1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-0.62	0.40	0.48	0.03	0.01	0.09	0.49
		12	0.09	-0.22	-0.14	0.03	0.01	0.10	-0.12
		13	-0.57	-2.89	-2.81	0.25	0.12	0.20	-2.69
		14	0.57	0.77	0.85	-0.25	-0.15	-0.07	0.70
		15	-0.49	-4.18	-4.10	0.15	0.07	0.15	-4.03
		16	0.51	0.89	0.97	0.05	0.02	0.10	0.99
		17	0.41	-4.86	-4.78	-0.42	-0.23	-0.14	-5.00
		18	-0.63	-4.51	-4.43	0.19	0.11	0.19	-4.32
		19	-0.07	0.29	0.38	-0.43	-0.22	-0.14	0.16
		20	-0.45	-0.69	-0.61	-0.19	-0.09	-0.01	-0.69
		21	-0.69	-4.48	-4.39	0.24	0.09	0.18	-4.30
		22	-0.89	-4.62	-4.54	-0.09	-0.04	0.04	-4.58
		23	0.71	-4.64	-4.56	0.31	0.15	0.23	-4.41
		24	-0.05	-4.49	-4.41	-0.09	-0.04	0.04	-4.46
		25	-0.07	-5.05	-4.97	0.27	0.17	0.25	-4.80
		26	0.01	-4.84	-4.76	-0.12	-0.05	0.03	-4.81
		27	-0.67	-5.69	-5.61	-0.34	-0.19	-0.11	-5.80
		28	-1.30	-6.95	-6.86	-0.19	-0.07	0.01	-6.93
		30	-1.40	-6.30	-6.22	-0.49	-0.21	-0.13	-6.43
		31	-0.26	-6.77	-6.69	0.48	0.25	0.33	-6.44
		32	-1.00	-6.83	-6.74	-0.35	-0.16	-0.08	-6.90
		33	0.28	-5.83	-5.75	0.72	0.23	0.32	-5.51
		34	-0.91	-6.36	-6.27	0.25	0.11	0.20	-6.16
LINE	2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		25	-1.67	-2.83	-3.77	-0.30	-0.19	-1.13	-3.96
		27	-1.58	-2.79	-3.72	-0.24	-0.13	-1.07	-3.86
		28	-1.94	-0.23	-1.17	0.19	0.07	-0.87	-1.10
		30	-2.10	-2.24	-3.17	-0.17	-0.07	-1.01	-3.25
		31	-2.12	0.76	-0.18	-0.36	-0.19	-1.13	-0.36
		32	-1.67	-1.17	-2.11	0.00	0.00	-0.94	-2.11
		33	-0.92	-1.18	-2.11	0.54	0.18	-0.76	-1.94
		34	-1.83	-3.18	-4.12	0.35	0.16	-0.78	-3.96
LINE	3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-0.18	-1.95	-1.73	0.33	0.18	0.41	-1.55
		13	-0.24	-4.41	-4.19	0.43	0.26	0.48	-3.93
		14	0.97	-1.59	-1.36	0.00	0.00	0.23	-1.36
		15	-1.14	-5.68	-5.46	-0.65	-0.37	-0.15	-5.83

	16	1.46	-1.83	-1.61	0.86	0.46	0.69	-1.15	
	17	0.89	-6.68	-6.46	-0.08	-0.05	0.17	-6.51	
	18	-0.91	-6.60	-6.37	-0.23	-0.16	0.06	-6.54	
	20	-0.86	-2.65	-2.43	-0.74	-0.44	-0.22	-2.87	
	21	-1.69	-4.65	-4.43	-0.90	-0.47	-0.24	-4.89	
	22	-0.18	-6.43	-6.21	0.47	0.27	0.50	-5.94	
	23	0.78	-4.16	-3.94	0.24	0.15	0.37	-3.79	
	24	0.64	-5.58	-5.36	0.45	0.27	0.49	-5.09	
	26	0.10	-6.38	-6.16	-0.18	-0.10	0.13	-6.26	
LINE	4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	11		-1.42	1.51	0.79	0.04	0.02	-0.71	0.80
	12		-1.10	0.71	-0.02	-0.35	-0.21	-0.94	-0.23
	13		-2.22	-1.37	-2.10	-0.60	-0.30	-1.02	-2.40
	14		-0.19	1.82	1.10	-0.21	-0.13	-0.86	0.96
	15		-1.75	-2.36	-3.09	-0.30	-0.15	-0.87	-3.23
	16		-0.37	1.86	1.13	-0.02	-0.01	-0.73	1.12
	17		-0.22	-3.71	-4.44	-0.24	-0.14	-0.86	-4.57
	18		-1.19	-3.48	-4.21	0.44	0.26	-0.46	-3.95
	19		-0.58	1.30	0.57	-0.13	-0.07	-0.80	0.50
	20		-0.53	0.14	-0.59	0.54	0.27	-0.45	-0.31
	22		-1.14	-4.09	-4.82	0.46	0.22	-0.51	-4.60
	24		-0.85	-3.74	-4.46	-0.09	-0.04	-0.77	-4.51
	26		-0.22	-4.18	-4.91	0.46	0.21	-0.52	-4.69
LINE	5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	11		-2.24	0.87	0.09	-0.73	-0.35	-1.13	-0.26
	12		-0.50	-0.34	-1.12	0.30	0.19	-0.59	-0.93
	13		-2.01	-1.49	-2.27	-0.33	-0.17	-0.95	-2.44
	14		0.18	0.80	0.02	0.22	0.14	-0.64	0.16
	15		-1.00	-2.75	-3.53	0.51	0.25	-0.53	-3.28
	16		-0.84	1.14	0.36	-0.43	-0.20	-0.98	0.16
	17		0.19	-4.02	-4.80	0.22	0.13	-0.65	-4.67
	18		-1.70	-3.61	-4.39	-0.02	-0.01	-0.79	-4.41
	19		-0.09	0.22	-0.56	0.42	0.23	-0.55	-0.33
	20		-1.17	-0.01	-0.79	-0.05	-0.02	-0.80	-0.82
	21		-1.52	-3.78	-4.56	0.27	0.12	-0.66	-4.44
	22		-1.63	-3.90	-4.68	0.02	0.01	-0.77	-4.67
	23		-1.14	-3.99	-4.77	-0.68	-0.36	-1.14	-5.13
	24		-1.41	-3.83	-4.61	-0.60	-0.31	-1.09	-4.92
	25		-1.15	-4.68	-5.47	0.05	0.04	-0.74	-5.43
	26		-0.56	-3.97	-4.75	0.17	0.08	-0.70	-4.67
	27		-0.94	-5.65	-6.43	0.24	0.15	-0.63	-6.28
	28		-2.06	-8.51	-9.29	-0.09	-0.04	-0.82	-9.33
	30		-1.86	-6.85	-7.64	-0.08	-0.04	-0.82	-7.67
	31		-1.69	-9.13	-9.91	-0.09	-0.05	-0.83	-9.96
	32		-0.84	-7.91	-8.69	0.67	0.33	-0.45	-8.36
LINE	6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	11		-7.30	4.45	-1.92	-0.20	-0.08	-6.45	-2.00
	12		-6.23	4.77	-1.60	0.15	0.08	-6.28	-1.52

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		13	-7.19	2.61	-3.76	0.08	0.03	-6.34	-3.73
		14	-5.69	5.42	-0.95	-0.06	-0.03	-6.40	-0.98
		15	-7.06	1.80	-4.57	0.03	0.01	-6.35	-4.55
		16	-6.46	5.16	-1.21	-0.47	-0.18	-6.55	-1.39
		17	-5.39	0.60	-5.77	0.23	0.12	-6.25	-5.66
		18	-7.55	1.12	-5.24	-0.28	-0.15	-6.52	-5.40
		19	-6.27	5.32	-1.05	-0.18	-0.08	-6.45	-1.13
		20	-6.64	3.55	-2.82	0.07	0.03	-6.34	-2.79
		26	-5.70	-0.01	-6.38	0.62	0.25	-6.12	-6.12
LINE	7	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	0.01	-5.55	-5.35	0.54	0.26	0.46	-5.09
		12	0.06	-3.82	-3.62	-0.13	-0.08	0.12	-3.70
		13	-0.53	-7.34	-7.14	0.17	0.09	0.29	-7.05
		14	1.23	-4.23	-4.03	0.29	0.19	0.39	-3.84
		15	-0.26	-8.08	-7.88	0.26	0.13	0.33	-7.75
		16	0.57	-4.82	-4.62	0.00	0.00	0.20	-4.62
		17	1.24	-8.79	-8.59	0.30	0.17	0.37	-8.42
		18	-0.77	-8.56	-8.36	-0.07	-0.05	0.16	-8.41
		19	0.83	-3.89	-3.69	0.36	0.20	0.40	-3.50
		20	0.08	-6.38	-6.18	0.22	0.11	0.31	-6.07
		21	-0.23	-7.51	-7.30	0.58	0.25	0.45	-7.05
		22	-0.96	-8.14	-7.94	-0.29	-0.14	0.06	-8.08
		23	0.65	-7.50	-7.30	0.13	0.07	0.27	-7.23
		24	0.12	-7.74	-7.54	-0.05	-0.02	0.18	-7.56
		25	-0.28	-7.50	-7.30	-0.06	-0.04	0.16	-7.34
		26	-0.06	-8.64	-8.44	-0.32	-0.15	0.05	-8.59
		27	0.00	-7.57	-7.37	0.21	0.13	0.33	-7.24
		28	-1.78	-9.34	-9.14	-0.79	-0.32	-0.12	-9.46
		29	-1.17	-8.01	-7.81	0.49	0.20	0.40	-7.61
		30	-0.82	-8.02	-7.82	-0.02	-0.01	0.19	-7.83
		31	-0.70	-10.71	-10.51	-0.08	-0.05	0.15	-10.55
		32	-0.92	-8.66	-8.46	-0.39	-0.19	0.01	-8.65
		33	-1.06	-10.55	-10.35	-0.75	-0.27	-0.07	-10.63
		34	-1.64	-9.07	-8.86	-0.60	-0.30	-0.10	-9.16
LINE	8	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-1.14	-13.37	-14.28	-0.62	-0.30	-1.22	-14.59
		21	-2.21	-13.96	-14.88	-0.28	-0.12	-1.04	-15.00
		23	-0.64	-14.65	-15.57	-0.04	-0.02	-0.94	-15.59
		25	-1.30	-15.02	-15.94	0.04	0.03	-0.89	-15.91
		27	-1.20	-15.15	-16.06	0.13	0.08	-0.84	-15.99
		28	-1.22	-15.20	-16.11	0.88	0.36	-0.55	-15.75
		29	-2.50	-15.47	-16.39	0.27	0.11	-0.80	-16.27
		31	-1.69	-14.19	-15.10	0.05	0.03	-0.89	-15.08
		32	-1.56	-15.38	-16.29	0.09	0.04	-0.87	-16.25
		33	-1.95	-12.54	-13.45	-0.51	-0.19	-1.11	-13.65
		34	-2.16	-9.73	-10.65	0.00	0.00	-0.92	-10.65
LINE	9	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		8	1.14	-14.50	-14.91	0.62	0.32	-0.08	-14.59

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		18	-1.32	-11.36	-11.76	-0.02	-0.01	-0.41	-11.77
		20	-0.64	-10.57	-10.97	0.10	0.06	-0.35	-10.91
		21	-1.33	-14.82	-15.22	0.08	0.04	-0.37	-15.18
		22	-1.84	-13.60	-14.00	-0.57	-0.29	-0.69	-14.29
		23	-0.04	-15.25	-15.65	0.04	0.02	-0.38	-15.63
		24	-0.07	-14.14	-14.55	0.37	0.20	-0.20	-14.35
		26	-0.99	-12.43	-12.84	-0.64	-0.32	-0.72	-13.15
LINE	10	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		19	-1.33	-9.97	-11.55	-0.04	0.00	-1.58	-11.55
		20	-1.88	-9.33	-10.90	0.04	0.00	-1.57	-10.90
LINE	11	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	0.62	-0.22	0.51	-0.03	-0.02	0.71	0.49
		3	0.18	-2.13	-1.40	-0.33	-0.14	0.58	-1.55
		4	1.42	0.10	0.82	-0.04	-0.02	0.71	0.80
		5	2.24	-1.36	-0.63	0.73	0.38	1.11	-0.26
		6	7.30	-2.85	-2.12	0.20	0.12	0.85	-2.00
		7	-0.01	-5.53	-4.81	-0.54	-0.28	0.45	-5.09
LINE	12	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-0.09	-0.13	-0.11	-0.03	-0.01	0.01	-0.12
		4	1.10	-0.39	-0.37	0.35	0.14	0.16	-0.23
		5	0.50	-0.84	-0.82	-0.30	-0.11	-0.09	-0.93
		6	6.23	-1.47	-1.45	-0.15	-0.07	-0.05	-1.52
		7	-0.06	-3.76	-3.75	0.13	0.05	0.07	-3.70
LINE	13	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	0.57	-3.46	-2.56	-0.25	-0.13	0.76	-2.69
		3	0.24	-4.65	-3.75	-0.43	-0.18	0.72	-3.93
		4	2.22	-3.59	-2.70	0.60	0.30	1.20	-2.40
		5	2.01	-3.50	-2.60	0.33	0.16	1.06	-2.44
		6	7.19	-4.58	-3.68	-0.08	-0.04	0.86	-3.73
		7	0.53	-7.87	-6.97	-0.17	-0.08	0.82	-7.05
LINE	14	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-0.57	1.34	0.60	0.25	0.10	-0.64	0.70
		3	-0.97	-0.62	-1.36	0.00	0.00	-0.74	-1.36
		4	0.19	1.63	0.89	0.21	0.08	-0.67	0.96
		5	-0.18	0.98	0.24	-0.22	-0.08	-0.82	0.16
		6	5.69	-0.27	-1.01	0.06	0.02	-0.72	-0.98
		7	-1.23	-2.99	-3.73	-0.29	-0.10	-0.84	-3.84
LINE	15	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	0.49	-4.67	-3.95	-0.15	-0.08	0.64	-4.03
		3	1.14	-6.82	-6.10	0.65	0.27	1.00	-5.83
		4	1.75	-4.11	-3.39	0.30	0.16	0.88	-3.23
		5	1.00	-3.75	-3.03	-0.51	-0.25	0.47	-3.28
		6	7.06	-5.25	-4.53	-0.03	-0.02	0.70	-4.55
		7	0.26	-8.34	-7.62	-0.26	-0.13	0.59	-7.75
LINE	16	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-0.51	1.40	1.02	-0.05	-0.03	-0.41	0.99
		3	-1.46	-0.38	-0.75	-0.86	-0.40	-0.77	-1.15
		4	0.37	1.49	1.11	0.02	0.01	-0.37	1.12

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*LINE	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
	5		0.84		0.31		-0.07		0.43		0.23		-0.14		0.16
	6		6.46		-1.30		-1.68		0.47		0.29		-0.09		-1.39
	7		-0.57		-4.25		-4.62		0.00		0.00		-0.37		-4.62
LINE	17														
	1		-0.41		-4.45		-5.20		0.42		0.20		-0.55		-5.00
	3		-0.89		-5.79		-6.54		0.08		0.03		-0.72		-6.51
	4		0.22		-3.93		-4.68		0.24		0.10		-0.64		-4.57
	5		-0.19		-3.83		-4.58		-0.22		-0.09		-0.84		-4.67
	6		5.39		-4.79		-5.54		-0.23		-0.11		-0.86		-5.66
	7		-1.24		-7.55		-8.30		-0.30		-0.12		-0.87		-8.42
LINE	18														
	1		0.63		-5.14		-4.24		-0.19		-0.08		0.82		-4.32
	3		0.91		-7.51		-6.61		0.23		0.07		0.97		-6.54
	4		1.19		-4.67		-3.77		-0.44		-0.17		0.73		-3.95
	5		1.70		-5.31		-4.41		0.02		0.01		0.91		-4.41
	6		7.55		-6.43		-5.53		0.28		0.13		1.03		-5.40
	7		0.77		-9.34		-8.44		0.07		0.03		0.93		-8.41
	9		1.32		-12.68		-11.78		0.02		0.01		0.91		-11.77
LINE	19														
	1		0.07		0.22		-0.05		0.43		0.21		-0.07		0.16
	4		0.58		0.72		0.44		0.13		0.06		-0.22		0.50
	5		0.09		0.13		-0.14		-0.42		-0.18		-0.46		-0.33
	6		6.27		-0.95		-1.22		0.18		0.09		-0.19		-1.13
	7		-0.83		-3.06		-3.34		-0.36		-0.16		-0.44		-3.50
	10		1.33		-11.31		-11.58		0.04		0.03		-0.24		-11.55
LINE	20														
	1		0.45		-1.14		-0.79		0.19		0.10		0.44		-0.69
	3		0.86		-3.51		-3.17		0.74		0.30		0.64		-2.87
	4		0.53		-0.39		-0.05		-0.54		-0.27		0.08		-0.31
	5		1.17		-1.18		-0.84		0.05		0.02		0.37		-0.82
	6		6.64		-3.09		-2.75		-0.07		-0.04		0.30		-2.79
	7		-0.08		-6.31		-5.96		-0.22		-0.11		0.24		-6.07
	9		0.64		-11.21		-10.86		-0.10		-0.05		0.29		-10.91
	10		1.88		-11.21		-10.86		-0.04		-0.03		0.31		-10.90
LINE	21														
	1		0.69		-5.16		-4.15		-0.24		-0.15		0.86		-4.30
	3		1.69		-6.34		-5.33		0.90		0.43		1.45		-4.89
	5		1.52		-5.30		-4.29		-0.27		-0.15		0.86		-4.44
	7		0.23		-7.74		-6.73		-0.58		-0.33		0.69		-7.05
	8		2.21		-16.17		-15.16		0.28		0.15		1.16		-15.00
	9		1.33		-16.15		-15.14		-0.08		-0.04		0.97		-15.18
LINE	22														
	1		0.89		-5.50		-4.63		0.09		0.05		0.92		-4.58
	3		0.18		-6.61		-5.74		-0.47		-0.20		0.67		-5.94
	4		1.14		-5.23		-4.36		-0.46		-0.24		0.64		-4.60
	5		1.63		-5.54		-4.66		-0.02		-0.01		0.86		-4.67
	7		0.96		-9.10		-8.23		0.29		0.15		1.02		-8.08
	9		1.84		-15.44		-14.57		0.57		0.27		1.15		-14.29

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*LINE		*X-LINE*	*OR.	M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
23*										
		1		-0.71	-3.93	-4.25	-0.31	-0.16	-0.48	-4.41
		3		-0.78	-3.38	-3.70	-0.24	-0.09	-0.41	-3.79
		5		1.14	-5.13	-5.45	0.68	0.32	0.00	-5.13
		7		-0.65	-6.86	-7.17	-0.13	-0.06	-0.38	-7.23
		8		0.64	-15.29	-15.61	0.04	0.02	-0.30	-15.59
		9		0.04	-15.29	-15.61	-0.04	-0.02	-0.34	-15.63
24*										
		1		0.05	-4.54	-4.50	0.09	0.05	0.08	-4.46
		3		-0.64	-4.94	-4.91	-0.45	-0.18	-0.15	-5.09
		4		0.85	-4.59	-4.55	0.09	0.04	0.08	-4.51
		5		1.41	-5.24	-5.21	0.60	0.29	0.32	-4.92
		7		-0.12	-7.62	-7.59	0.05	0.02	0.06	-7.56
		9		0.07	-14.21	-14.18	-0.37	-0.17	-0.14	-14.35
25*										
		1		0.07	-5.13	-4.70	-0.27	-0.10	0.32	-4.80
		2		1.67	-4.50	-4.07	0.30	0.12	0.54	-3.96
		5		1.15	-5.84	-5.41	-0.05	-0.02	0.41	-5.43
		7		0.28	-7.78	-7.36	0.06	0.02	0.44	-7.34
		8		1.30	-16.32	-15.90	-0.04	-0.01	0.41	-15.91
26*										
		1		-0.01	-4.83	-4.88	0.12	0.07	0.02	-4.81
		3		-0.10	-6.29	-6.34	0.18	0.08	0.03	-6.26
		4		0.22	-4.40	-4.45	-0.46	-0.25	-0.30	-4.69
		5		0.56	-4.54	-4.58	-0.17	-0.09	-0.14	-4.67
		6		5.70	-5.70	-5.75	-0.62	-0.37	-0.42	-6.12
		7		0.06	-8.71	-8.76	0.32	0.17	0.12	-8.59
		9		0.99	-13.43	-13.48	0.64	0.32	0.28	-13.15
27*										
		1		0.67	-6.36	-5.95	0.34	0.15	0.56	-5.80
		2		1.58	-4.37	-3.96	0.24	0.10	0.51	-3.86
		5		0.94	-6.59	-6.19	-0.24	-0.10	0.31	-6.28
		7		0.00	-7.57	-7.16	-0.21	-0.08	0.32	-7.24
		8		1.20	-16.35	-15.94	-0.13	-0.05	0.36	-15.99
28*										
		1		1.30	-8.24	-7.06	0.19	0.12	1.31	-6.93
		2		1.94	-2.17	-0.98	-0.19	-0.12	1.07	-1.10
		5		2.06	-10.57	-9.38	0.09	0.05	1.24	-9.33
		7		1.78	-11.12	-9.93	0.79	0.47	1.66	-9.46
		8		1.22	-16.42	-15.23	-0.88	-0.52	0.67	-15.75
29*										
		7		1.17	-9.18	-7.33	-0.49	-0.29	1.57	-7.61
		8		2.50	-17.97	-16.11	-0.27	-0.16	1.70	-16.27
		30		1.61	-10.60	-8.74	0.75	0.43	2.28	-8.32
30*										
		1		1.40	-7.71	-6.71	0.49	0.28	1.28	-6.43
		2		2.10	-4.34	-3.34	0.17	0.10	1.09	-3.25
		5		1.86	-8.71	-7.71	0.08	0.04	1.04	-7.67

345000

*LINE	*X-LINE*	*OR.	M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	7		0.82	-8.84	-7.84	0.02	0.01	1.01	-7.83
	29		-1.61	-8.99	-7.99	-0.75	-0.33	0.67	-8.32
LINE	31	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		0.26	-7.03	-6.21	-0.48	-0.22	0.60	-6.44
	2		2.12	-1.35	-0.53	0.36	0.17	0.99	-0.36
	5		1.69	-10.82	-10.00	0.09	0.04	0.86	-9.96
	7		0.70	-11.41	-10.59	0.08	0.03	0.86	-10.55
	8		1.69	-15.88	-15.05	-0.05	-0.02	0.80	-15.08
LINE	32	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		1.00	-7.83	-7.10	0.35	0.20	0.92	-6.90
	2		1.67	-2.84	-2.11	0.00	0.00	0.73	-2.11
	5		0.84	-8.75	-8.02	-0.67	-0.34	0.39	-8.36
	7		0.92	-9.58	-8.85	0.39	0.20	0.93	-8.65
	8		1.56	-16.93	-16.21	-0.09	-0.04	0.68	-16.25
LINE	33	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		-0.28	-5.55	-5.03	-0.72	-0.49	0.03	-5.51
	2		0.92	-2.09	-1.57	-0.54	-0.36	0.15	-1.94
	7		1.06	-11.62	-11.10	0.75	0.47	0.99	-10.63
	8		1.95	-14.48	-13.97	0.51	0.32	0.84	-13.65
LINE	34	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		0.91	-7.26	-6.02	-0.25	-0.14	1.10	-6.16
	2		1.83	-5.01	-3.78	-0.35	-0.19	1.05	-3.96
	7		1.64	-10.70	-9.46	0.60	0.30	1.54	-9.16
	8		2.16	-11.88	-10.64	0.00	0.00	1.24	-10.65

ADJUSTMENT OF 2-D BOUG GRAVITY (S2DB)

CONVERGENCE COMPLETE

** 17 ITERATIONS PERFORMED**

MAX. ERROR=0.8490082E-02

MAXIMAL CONNECTED SUBNETWORK

1

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	23	0.305	0.082	0.549	0.255	-.1908094E-03
2	8	0.306	-0.940	1.730	0.268	0.4789114E-02
3	13	0.508	0.224	0.772	0.426	-.1356564E-02
4	13	0.352	-0.723	0.903	0.299	-.1397006E-02
5	21	0.371	-0.781	1.177	0.294	-.1509845E-02
6	11	0.278	-6.373	6.502	0.214	-.8864328E-03
7	24	0.371	0.206	0.664	0.298	-.2817065E-03
8	11	0.384	-0.921	1.600	0.263	0.3428459E-02
9	8	0.397	-0.406	0.923	0.305	-.8546337E-03
10	2	0.035	-1.576	1.609	0.035	0.1375884E-02
11	6	0.403	0.734	1.963	0.313	0.2113059E-02
12	5	0.240	0.019	1.585	0.206	0.2155423E-02
13	6	0.355	0.897	2.125	0.313	0.2082422E-02
14	6	0.201	-0.737	1.472	0.173	0.1951888E-02
15	6	0.377	0.726	1.954	0.313	0.1763240E-02
16	6	0.439	-0.379	1.703	0.307	0.1514450E-02
17	6	0.266	-0.750	1.390	0.246	0.1206413E-02
18	7	0.227	0.895	2.005	0.178	0.8822531E-03
19	6	0.294	-0.276	1.528	0.254	0.5353242E-03
20	8	0.340	0.344	1.531	0.239	0.1767129E-03
21	6	0.478	1.020	1.286	0.394	-.1225024E-03
22	6	0.374	0.878	1.111	0.316	-.6166399E-03
23	6	0.322	-0.320	0.655	0.237	-.9562522E-03
24	6	0.338	0.034	0.518	0.271	-.1473103E-02
25	5	0.189	0.434	0.904	0.147	-.1588926E-02
26	7	0.407	-0.053	1.091	0.351	-.2070285E-02
27	5	0.248	0.411	0.893	0.238	-.2144232E-02
28	5	0.548	1.192	1.662	0.430	-.2158344E-02
29	3	0.540	1.846	1.753	0.504	-.1818717E-02
30	5	0.408	0.991	1.552	0.301	-.1818597E-02
31	5	0.271	0.813	1.284	0.206	-.1498803E-02
32	5	0.384	0.738	1.208	0.299	-.1096711E-02
33	4	0.637	0.519	1.058	0.628	-.4418492E-03
34	4	0.379	1.233	1.626	0.310	0.3074557E-03

34	268	0.352	0.000	1.479	0.289	0.1378357E-06
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

**** AVERAGES OF SQUARES OF MISTIES ****

BEFORE REMOVAL OF SYSTEMATIC ERROR 4.73
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.13
 RATIO 35.22

247061

545005

**** ROOT MEAN SQUARE (RMS) MISTIE ****

BEFORE REMOVAL OF SYSTEMATIC ERROR 2.17
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.37
 RATIO 5.94

**** AVERAGES OF ABSOLUTE MISTIES (MEAN RANDOM SCATTER) ****

BEFORE REMOVAL OF SYSTEMATIC ERROR 1.41
 AFTER REMOVAL OF SYSTEMATIC ERROR 0.29
 RATIO 4.89
 AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 0.84

**** INTERSECTION STATISTICS ****

LINE	1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-0.62	4.22	4.30	0.03	0.01	0.09	4.32
		12	0.08	3.60	3.69	0.02	0.01	0.09	3.70
		13	-0.56	0.91	0.99	0.25	0.12	0.20	1.11
		14	0.58	4.58	4.66	-0.24	-0.15	-0.06	4.52
		15	-0.49	-0.36	-0.28	0.15	0.07	0.15	-0.21
		16	0.51	4.71	4.79	0.05	0.02	0.10	4.81
		17	0.41	-1.05	-0.97	-0.42	-0.22	-0.14	-1.20
		18	-0.63	-0.69	-0.61	0.19	0.11	0.19	-0.50
		19	-0.06	4.13	4.21	-0.42	-0.21	-0.13	3.99
		20	-0.45	3.14	3.22	-0.19	-0.09	-0.01	3.13
		21	-0.70	-0.65	-0.57	0.24	0.09	0.17	-0.47
		22	-0.89	-0.80	-0.72	-0.09	-0.04	0.04	-0.76
		23	0.68	-0.80	-0.72	0.28	0.14	0.22	-0.58
		24	-0.05	-0.67	-0.59	-0.09	-0.04	0.04	-0.64
		25	-0.08	-1.22	-1.14	0.27	0.16	0.25	-0.98
		26	0.02	-1.02	-0.93	-0.12	-0.05	0.03	-0.99
		27	-0.68	-1.85	-1.76	-0.35	-0.19	-0.11	-1.96
		28	-1.29	-3.11	-3.03	-0.18	-0.06	0.02	-3.10
		30	-1.39	-2.48	-2.39	-0.48	-0.21	-0.12	-2.60
		31	-0.25	-2.92	-2.84	0.48	0.25	0.34	-2.59
		32	-1.01	-2.99	-2.91	-0.35	-0.16	-0.07	-3.07
		33	0.29	-1.98	-1.90	0.73	0.24	0.32	-1.66
		34	-0.90	-2.48	-2.40	0.25	0.11	0.20	-2.29
LINE	2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		25	-1.69	1.00	0.06	-0.32	-0.20	-1.13	-0.13
		27	-1.59	1.04	0.10	-0.24	-0.13	-1.07	-0.04
		28	-1.95	3.59	2.65	0.18	0.07	-0.87	2.71
		30	-2.09	1.58	0.64	-0.16	-0.07	-1.01	0.58
		31	-2.11	4.60	3.66	-0.35	-0.19	-1.13	3.47
		32	-1.68	2.66	1.72	-0.01	0.00	-0.94	1.72
		33	-0.93	2.66	1.72	0.53	0.17	-0.77	1.89
		34	-1.81	0.67	-0.27	0.37	0.16	-0.78	-0.10
LINE	3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-0.18	1.87	2.09	0.33	0.19	0.41	2.28
		13	-0.25	-0.60	-0.37	0.42	0.25	0.47	-0.12
		14	0.95	2.25	2.48	-0.01	-0.01	0.22	2.47
		15	-1.16	-1.86	-1.63	-0.65	-0.37	-0.15	-2.01

	16	1.47	1.99	2.22	0.87	0.47	0.69	2.68	
	17	0.89	-2.88	-2.65	-0.09	-0.06	0.17	-2.71	
	18	-0.90	-2.78	-2.55	-0.23	-0.16	0.07	-2.71	
	20	-0.84	1.17	1.39	-0.73	-0.43	-0.21	0.96	
	21	-1.69	-0.83	-0.60	-0.90	-0.46	-0.24	-1.07	
	22	-0.19	-2.60	-2.38	0.47	0.27	0.49	-2.11	
	23	0.78	-0.35	-0.13	0.24	0.14	0.37	0.02	
	24	0.63	-1.76	-1.54	0.44	0.26	0.49	-1.27	
	26	0.10	-2.57	-2.35	-0.17	-0.10	0.13	-2.45	
LINE	4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-1.41	5.32	4.60	0.05	0.02	-0.70	4.62
		12	-1.11	4.54	3.82	-0.37	-0.22	-0.94	3.60
		13	-2.22	2.44	1.72	-0.60	-0.30	-1.02	1.42
		14	-0.19	5.65	4.93	-0.21	-0.13	-0.85	4.80
		15	-1.74	1.44	0.72	-0.29	-0.14	-0.86	0.58
		16	-0.37	5.69	4.96	-0.03	-0.01	-0.74	4.95
		17	-0.20	0.10	-0.62	-0.23	-0.13	-0.86	-0.75
		18	-1.18	0.33	-0.39	0.43	0.26	-0.46	-0.13
		19	-0.59	5.14	4.42	-0.14	-0.08	-0.80	4.34
		20	-0.52	3.96	3.23	0.55	0.28	-0.44	3.51
		22	-1.14	-0.27	-1.00	0.46	0.22	-0.50	-0.78
		24	-0.85	0.08	-0.64	-0.09	-0.05	-0.77	-0.69
		26	-0.21	-0.36	-1.09	0.46	0.21	-0.51	-0.87
LINE	5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-2.25	4.70	3.92	-0.73	-0.35	-1.13	3.57
		12	-0.49	3.50	2.72	0.31	0.19	-0.59	2.91
		13	-2.02	2.34	1.56	-0.34	-0.18	-0.96	1.39
		14	0.18	4.64	3.86	0.22	0.14	-0.64	4.00
		15	-1.00	1.07	0.29	0.50	0.25	-0.53	0.54
		16	-0.82	4.97	4.19	-0.42	-0.19	-0.97	4.00
		17	0.17	-0.19	-0.97	0.20	0.12	-0.66	-0.86
		18	-1.70	0.21	-0.57	-0.03	-0.02	-0.80	-0.59
		19	-0.09	4.07	3.29	0.41	0.23	-0.55	3.52
		20	-1.17	3.83	3.05	-0.04	-0.02	-0.80	3.02
		21	-1.51	0.03	-0.75	0.29	0.12	-0.66	-0.63
		22	-1.64	-0.09	-0.87	0.02	0.01	-0.77	-0.86
		23	-1.14	-0.17	-0.96	-0.68	-0.36	-1.15	-1.32
		24	-1.39	-0.02	-0.80	-0.58	-0.30	-1.08	-1.11
		25	-1.15	-0.88	-1.66	0.07	0.04	-0.74	-1.61
		26	-0.58	-0.14	-0.92	0.14	0.07	-0.71	-0.85
		27	-0.95	-1.82	-2.60	0.24	0.14	-0.64	-2.46
		28	-2.08	-4.68	-5.46	-0.11	-0.04	-0.82	-5.50
		30	-1.86	-3.03	-3.81	-0.09	-0.04	-0.82	-3.85
		31	-1.66	-5.31	-6.09	-0.07	-0.04	-0.82	-6.13
		32	-0.84	-4.09	-4.87	0.67	0.33	-0.45	-4.54
LINE	6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-7.32	8.29	1.92	-0.21	-0.09	-6.46	1.83
		12	-6.21	8.60	2.22	0.18	0.10	-6.28	2.32

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LINE	7	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-7.20	6.44	0.07	0.07	0.03	-6.34	0.10
		14	-5.70	9.25	2.88	-0.06	-0.04	-6.41	2.84
		15	-7.07	5.64	-0.74	0.03	0.01	-6.36	-0.73
		16	-6.46	9.00	2.63	-0.46	-0.18	-6.55	2.45
		17	-5.40	4.43	-1.95	0.22	0.11	-6.26	-1.83
		18	-7.55	4.95	-1.42	-0.28	-0.16	-6.53	-1.58
		19	-6.26	9.16	2.79	-0.16	-0.08	-6.45	2.71
		20	-6.67	7.40	1.03	0.05	0.02	-6.35	1.05
		26	-5.69	3.81	-2.56	0.63	0.25	-6.12	-2.31
LINE	7	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	0.00	-1.71	-1.51	0.53	0.25	0.46	-1.25
		12	0.04	0.03	0.23	-0.15	-0.09	0.11	0.14
		13	-0.50	-3.53	-3.32	0.19	0.10	0.31	-3.22
		14	1.24	-0.40	-0.19	0.29	0.19	0.40	0.00
		15	-0.26	-4.26	-4.05	0.26	0.13	0.33	-3.93
		16	0.58	-0.99	-0.79	-0.01	0.00	0.20	-0.79
		17	1.27	-4.97	-4.76	0.31	0.18	0.39	-4.58
		18	-0.76	-4.75	-4.54	-0.07	-0.04	0.16	-4.58
		19	0.83	-0.05	0.16	0.35	0.19	0.40	0.35
		20	0.08	-2.55	-2.34	0.21	0.11	0.32	-2.23
		21	-0.23	-3.69	-3.48	0.59	0.26	0.46	-3.23
		22	-0.96	-4.33	-4.12	-0.29	-0.14	0.06	-4.26
		23	0.66	-3.70	-3.49	0.14	0.07	0.28	-3.42
		24	0.12	-3.93	-3.72	-0.05	-0.03	0.18	-3.75
		25	-0.28	-3.69	-3.49	-0.05	-0.03	0.17	-3.52
		26	-0.04	-4.83	-4.62	-0.30	-0.14	0.06	-4.77
		27	0.03	-3.77	-3.56	0.23	0.14	0.35	-3.42
		28	-1.78	-5.53	-5.32	-0.79	-0.32	-0.11	-5.64
		29	-1.16	-4.19	-3.99	0.48	0.19	0.40	-3.79
		30	-0.81	-4.20	-4.00	-0.03	-0.01	0.19	-4.01
		31	-0.70	-6.88	-6.67	-0.09	-0.05	0.15	-6.73
		32	-0.92	-4.85	-4.64	-0.39	-0.19	0.01	-4.83
		33	-1.06	-6.73	-6.52	-0.75	-0.28	-0.07	-6.80
		34	-1.64	-5.24	-5.03	-0.61	-0.30	-0.10	-5.33
LINE	8	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-1.13	-9.55	-10.47	-0.62	-0.30	-1.22	-10.77
		21	-2.23	-10.15	-11.07	-0.29	-0.13	-1.05	-11.20
		23	-0.63	-10.83	-11.75	-0.03	-0.02	-0.94	-11.76
		25	-1.32	-11.19	-12.11	0.03	0.02	-0.90	-12.09
		27	-1.21	-11.33	-12.25	0.12	0.08	-0.84	-12.18
		28	-1.22	-11.38	-12.30	0.89	0.37	-0.55	-11.93
		29	-2.49	-11.65	-12.57	0.28	0.12	-0.80	-12.45
		31	-1.70	-10.36	-11.28	0.04	0.02	-0.90	-11.26
		32	-1.58	-11.54	-12.46	0.08	0.04	-0.88	-12.42
		33	-1.94	-8.70	-9.62	-0.50	-0.19	-1.11	-9.81
		34	-2.16	-5.90	-6.82	-0.01	0.00	-0.92	-6.83
LINE	9	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		8	1.13	-10.68	-11.08	0.62	0.31	-0.09	-10.77

	18	-1.32	-7.53	-7.94	-0.02	-0.01	-0.42	-7.95		
	20	-0.64	-6.74	-7.14	0.10	0.06	-0.35	-7.09		
	21	-1.35	-11.01	-11.42	0.07	0.03	-0.37	-11.38		
	22	-1.85	-9.78	-10.18	-0.57	-0.29	-0.70	-10.47		
	23	-0.03	-11.43	-11.83	0.05	0.03	-0.38	-11.80		
	24	-0.07	-10.31	-10.72	0.37	0.20	-0.20	-10.51		
	26	-0.99	-8.62	-9.02	-0.63	-0.31	-0.72	-9.33		
LINE	10	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	19			-1.33	-6.14	-7.72	-0.03	0.00	-1.58	
	20			-1.88	-5.49	-7.07	0.04	0.00	-1.57	
LINE	11	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			0.62	3.60	4.33	-0.03	-0.02	0.72	4.32
	3			0.18	1.69	2.43	-0.33	-0.15	0.59	2.28
	4			1.41	3.91	4.64	-0.05	-0.02	0.71	4.62
	5			2.25	2.46	3.19	0.73	0.38	1.11	3.57
	6			7.32	0.97	1.71	0.21	0.12	0.86	1.83
	7			0.00	-1.71	-0.97	-0.53	-0.28	0.46	-1.25
LINE	12	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			-0.08	3.69	3.71	-0.02	-0.01	0.01	3.70
	4			1.11	3.43	3.45	0.37	0.15	0.17	3.60
	5			0.49	3.01	3.03	-0.31	-0.12	-0.10	2.91
	6			6.21	2.39	2.41	-0.18	-0.08	-0.07	2.32
	7			-0.04	0.06	0.08	0.15	0.06	0.08	0.14
LINE	13	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			0.56	0.35	1.25	-0.25	-0.14	0.76	1.11
	3			0.25	-0.85	0.05	-0.42	-0.17	0.72	-0.12
	4			2.22	0.22	1.12	0.60	0.30	1.20	1.42
	5			2.02	0.32	1.22	0.34	0.17	1.07	1.39
	6			7.20	-0.76	0.14	-0.07	-0.04	0.86	0.10
	7			0.50	-4.02	-3.13	-0.19	-0.10	0.80	-3.22
LINE	14	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			-0.58	5.16	4.42	0.24	0.10	-0.64	4.52
	3			-0.95	3.20	2.47	0.01	0.00	-0.73	2.47
	4			0.19	5.46	4.72	0.21	0.07	-0.66	4.80
	5			-0.18	4.82	4.08	-0.22	-0.08	-0.81	4.00
	6			5.70	3.55	2.81	0.06	0.03	-0.71	2.84
	7			-1.24	0.84	0.10	-0.29	-0.10	-0.84	0.00
LINE	15	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			0.49	-0.86	-0.13	-0.15	-0.08	0.64	-0.21
	3			1.16	-3.01	-2.28	0.65	0.28	1.00	-2.01
	4			1.74	-0.29	0.43	0.29	0.15	0.87	0.58
	5			1.00	0.07	0.80	-0.50	-0.25	0.47	0.54
	6			7.07	-1.44	-0.71	-0.03	-0.02	0.71	-0.73
	7			0.26	-4.52	-3.80	-0.26	-0.13	0.60	-3.93
LINE	16	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*	
	1			-0.51	5.22	4.84	-0.05	-0.03	-0.41	4.81
	3			-1.47	3.47	3.09	-0.87	-0.40	-0.78	2.68
	4			0.37	5.31	4.94	0.03	0.01	-0.36	4.95

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*LINE	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*	
	5		0.82		4.15		3.77		0.42		0.23		-0.15		4.00	
	6		6.46		2.54		2.16		0.46		0.28		-0.09		2.45	
	7		-0.58		-0.42		-0.79		0.01		0.00		-0.37		-0.79	
LINE	17	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		-0.41		-0.64		-1.39		0.42		0.20		-0.55		-1.20
		3		-0.89		-1.99		-2.74		0.09		0.03		-0.72		-2.71
		4		0.20		-0.10		-0.85		0.23		0.10		-0.65		-0.75
		5		-0.17		-0.02		-0.77		-0.20		-0.09		-0.84		-0.86
		6		5.40		-0.97		-1.72		-0.22		-0.11		-0.86		-1.83
		7		-1.27		-3.70		-4.45		-0.31		-0.13		-0.88		-4.58
LINE	18	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		0.63		-1.32		-0.42		-0.19		-0.08		0.81		-0.50
		3		0.90		-3.67		-2.78		0.23		0.07		0.96		-2.71
		4		1.18		-0.85		0.04		-0.43		-0.17		0.72		-0.13
		5		1.70		-1.49		-0.60		0.03		0.01		0.91		-0.59
		6		7.55		-2.60		-1.70		0.28		0.13		1.02		-1.58
		7		0.76		-5.50		-4.61		0.07		0.03		0.92		-4.58
		9		1.32		-8.85		-7.96		0.02		0.01		0.90		-7.95
LINE	19	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		0.06		4.06		3.79		0.42		0.21		-0.07		3.99
		4		0.59		4.55		4.27		0.14		0.07		-0.21		4.34
		5		0.09		3.98		3.71		-0.41		-0.18		-0.46		3.52
		6		6.26		2.90		2.63		0.16		0.08		-0.19		2.71
		7		-0.83		0.78		0.51		-0.35		-0.15		-0.43		0.35
		10		1.33		-7.47		-7.75		0.03		0.03		-0.25		-7.72
LINE	20	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		0.45		2.69		3.03		0.19		0.10		0.44		3.13
		3		0.84		0.32		0.67		0.73		0.29		0.63		0.96
		4		0.52		3.44		3.78		-0.55		-0.27		0.07		3.51
		5		1.17		2.66		3.00		0.04		0.02		0.36		3.02
		6		6.67		0.74		1.08		-0.05		-0.03		0.32		1.05
		7		-0.08		-2.47		-2.13		-0.21		-0.10		0.24		-2.23
		9		0.64		-7.38		-7.04		-0.10		-0.05		0.30		-7.09
		10		1.88		-7.38		-7.03		-0.04		-0.03		0.31		-7.07
LINE	21	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		0.70		-1.35		-0.33		-0.24		-0.15		0.87		-0.47
		3		1.69		-2.52		-1.50		0.90		0.43		1.45		-1.07
		5		1.51		-1.49		-0.47		-0.29		-0.16		0.86		-0.63
		7		0.23		-3.92		-2.90		-0.59		-0.33		0.69		-3.23
		8		2.23		-12.38		-11.36		0.29		0.16		1.18		-11.20
		9		1.35		-12.36		-11.34		-0.07		-0.04		0.98		-11.38
LINE	22	*X-LINE*	*OR.	M.T.*	*VAL.	BSA.*	*VAL.	ASA.*	*M.T.	ASA.*	*R.E.	ADJ.*	*TOT.	ADJ.*	*FIN.	CH.*
		1		0.89		-1.69		-0.81		0.09		0.05		0.93		-0.76
		3		0.19		-2.79		-1.91		-0.47		-0.20		0.68		-2.11
		4		1.14		-1.42		-0.54		-0.46		-0.24		0.64		-0.78
		5		1.64		-1.73		-0.85		-0.02		-0.01		0.87		-0.86
		7		0.96		-5.28		-4.41		0.29		0.14		1.02		-4.26
		9		1.85		-11.63		-10.75		0.57		0.28		1.15		-10.47

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*LINE		*OR.	M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
23*	*X-LINE*								
	1		-0.68	-0.12	-0.44	-0.28	-0.14	-0.46	-0.58
	3		-0.78	0.43	0.11	-0.24	-0.09	-0.41	0.02
	5		1.14	-1.32	-1.64	0.68	0.32	0.00	-1.32
	7		-0.66	-3.03	-3.35	-0.14	-0.06	-0.38	-3.42
	8		0.63	-11.46	-11.78	0.03	0.01	-0.31	-11.76
	9		0.03	-11.46	-11.78	-0.05	-0.02	-0.34	-11.80
24*	*X-LINE*								
	1		0.05	-0.72	-0.69	0.09	0.05	0.08	-0.64
	3		-0.63	-1.13	-1.10	-0.44	-0.18	-0.14	-1.27
	4		0.85	-0.76	-0.73	0.09	0.04	0.08	-0.69
	5		1.39	-1.42	-1.38	0.58	0.28	0.31	-1.11
	7		-0.12	-3.81	-3.77	0.05	0.02	0.06	-3.75
	9		0.07	-10.38	-10.34	-0.37	-0.17	-0.14	-10.51
25*	*X-LINE*								
	1		0.08	-1.31	-0.88	-0.27	-0.10	0.33	-0.98
	2		1.69	-0.69	-0.26	0.32	0.12	0.55	-0.13
	5		1.15	-2.02	-1.59	-0.07	-0.02	0.41	-1.61
	7		0.28	-3.97	-3.54	0.05	0.02	0.45	-3.52
	8		1.32	-12.51	-12.08	-0.03	-0.01	0.42	-12.09
26*	*X-LINE*								
	1		-0.02	-1.00	-1.05	0.12	0.07	0.01	-0.99
	3		-0.10	-2.47	-2.52	0.17	0.08	0.02	-2.45
	4		0.21	-0.57	-0.63	-0.46	-0.25	-0.30	-0.87
	5		0.58	-0.72	-0.78	-0.14	-0.08	-0.13	-0.85
	6		5.69	-1.88	-1.94	-0.63	-0.37	-0.42	-2.31
	7		0.04	-4.87	-4.92	0.30	0.16	0.10	-4.77
	9		0.99	-9.60	-9.66	0.63	0.32	0.27	-9.33
27*	*X-LINE*								
	1		0.68	-2.53	-2.12	0.35	0.16	0.57	-1.96
	2		1.59	-0.55	-0.14	0.24	0.11	0.52	-0.04
	5		0.95	-2.78	-2.36	-0.24	-0.10	0.32	-2.46
	7		-0.03	-3.74	-3.33	-0.23	-0.09	0.32	-3.42
	8		1.21	-12.54	-12.13	-0.12	-0.05	0.36	-12.18
28*	*X-LINE*								
	1		1.29	-4.40	-3.21	0.18	0.11	1.31	-3.10
	2		1.95	1.64	2.83	-0.18	-0.12	1.07	2.71
	5		2.08	-6.76	-5.56	0.11	0.06	1.26	-5.50
	7		1.78	-7.30	-6.11	0.79	0.47	1.66	-5.64
	8		1.22	-12.60	-11.40	-0.89	-0.53	0.67	-11.93
29*	*X-LINE*								
	7		1.16	-5.36	-3.51	-0.48	-0.28	1.56	-3.79
	8		2.49	-14.13	-12.29	-0.28	-0.16	1.68	-12.45
	30		1.61	-6.77	-4.93	0.75	0.43	2.28	-4.50
30*	*X-LINE*								
	1		1.39	-3.86	-2.87	0.48	0.27	1.26	-2.60
	2		2.09	-0.50	0.49	0.16	0.09	1.08	0.58
	5		1.86	-4.89	-3.90	0.09	0.05	1.04	-3.85

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*LINE	*X-LINE*	*OR.	M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	7		0.81	5.02	-4.03	0.03	0.01	1.00	-4.01
	29		-1.61	-5.16	-4.17	-0.75	-0.32	0.67	-4.50
LINE	31	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		0.25	-3.18	-2.36	-0.48	-0.22	0.59	-2.59
	2		2.11	2.50	3.31	0.35	0.17	0.98	3.47
	5		1.66	-6.97	-6.16	0.07	0.03	0.84	-6.13
	7		0.70	-7.58	-6.77	0.09	0.04	0.85	-6.73
	8		1.70	-12.05	-11.24	-0.04	-0.02	0.80	-11.26
LINE	32	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		1.01	-4.00	-3.27	0.35	0.20	0.93	-3.07
	2		1.68	0.98	1.71	0.01	0.00	0.74	1.72
	5		0.84	-4.93	-4.19	-0.67	-0.34	0.40	-4.54
	7		0.92	-5.77	-5.03	0.39	0.20	0.94	-4.83
	8		1.58	-13.12	-12.38	-0.08	-0.04	0.70	-12.42
LINE	33	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		-0.29	-1.69	-1.17	-0.73	-0.49	0.03	-1.66
	2		0.93	1.73	2.25	-0.53	-0.36	0.16	1.89
	7		1.06	-7.79	-7.27	0.75	0.47	0.99	-6.80
	8		1.94	-10.65	-10.13	0.50	0.32	0.83	-9.81
LINE	34	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1		0.90	-3.38	-2.15	-0.25	-0.14	1.09	-2.29
	2		1.81	-1.13	0.10	-0.37	-0.20	1.03	-0.10
	7		1.64	-6.88	-5.64	0.61	0.31	1.54	-5.33
	8		2.16	-8.06	-6.83	0.01	0.00	1.24	-6.83

ADJUSTMENT OF MAGNETIC ANOMALY (SMEN)
 CONVERGENCE COMPLETE
 ** 24 ITERATIONS PERFORMED**
 MAX. ERROR=0.6586015E-02

MAXIMAL CONNECTED SUBNETWORK 1
 *** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	23	5.553	-17.337	19.130	4.767	0.2141953E-02
2	8	4.540	33.498	30.041	4.010	0.6341934E-03
3	13	4.252	4.193	11.435	3.662	0.1552224E-02
4	13	3.230	-11.190	15.266	2.567	0.3406852E-03
5	7	4.466	-14.691	22.417	3.304	-.1691818E-02
7	24	6.402	21.419	22.855	5.789	0.2182961E-02
8	11	3.739	0.822	7.371	3.073	0.1858175E-02
9	8	7.738	6.408	12.652	6.402	0.3057361E-02
10	2	12.407	4.900	33.944	12.407	-.4825592E-03
11	5	4.122	18.962	22.483	3.567	-.8912086E-03
12	4	4.860	7.809	23.429	4.513	-.1436234E-02
13	5	3.421	-4.621	15.682	2.841	-.1783371E-02
14	5	3.812	-22.289	19.136	3.203	-.2083778E-02
15	4	6.410	-0.280	16.602	5.304	-.2310544E-02
16	5	6.275	3.290	17.829	5.246	-.2472639E-02
17	4	4.586	-0.714	14.674	4.409	-.2502441E-02
18	5	4.211	-6.287	14.202	3.518	-.2370358E-02
19	5	8.231	-5.155	20.521	7.645	-.2454281E-02
20	7	9.597	-52.933	52.034	8.729	-.2351761E-02
21	5	2.472	6.181	10.911	1.866	-.2067566E-02
22	5	1.479	-2.428	12.228	1.323	-.1578093E-02
23	5	4.760	3.953	9.560	3.986	-.1116753E-02
24	5	5.371	-0.228	16.318	4.856	-.4650205E-03
25	4	5.681	-9.755	21.004	5.380	-.1057982E-03
26	5	3.267	1.876	10.738	2.823	0.6333590E-03
27	4	4.288	5.418	17.799	3.706	0.1071513E-02
28	4	4.204	-7.656	19.433	3.989	0.1456797E-02
29	3	2.592	-2.817	10.577	2.360	0.2420485E-02
30	4	2.571	1.041	17.148	2.094	0.2420902E-02
31	4	7.975	8.631	13.465	6.426	0.2452433E-02
32	4	3.878	14.414	14.704	3.154	0.2328455E-02
33	4	6.924	10.295	10.958	6.900	0.2038062E-02
34	4	6.967	5.272	11.450	6.408	0.1565516E-02

33	218	5.160	0.000	17.818	4.552	-.9149313E-05
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

**** AVERAGES OF SQUARES OF MISTIES ****

BEFORE REMOVAL OF SYSTEMATIC ERROR
 AFTER REMOVAL OF SYSTEMATIC ERROR
 RATIO

535.27
 29.86
 17.93

**** ROOT MEAN SQUARE (RMS) MISTIE ****

247069

343020

247070

BEFORE REMOVAL OF SYSTEMATIC ERROR 23.14
 AFTER REMOVAL OF SYSTEMATIC ERROR 5.46
 RATIO 4.23

**** AVERAGES OF ABSOLUTE MISTIES (MEAN RANDOM SCATTER) ****

BEFORE REMOVAL OF SYSTEMATIC ERROR 18.12
 AFTER REMOVAL OF SYSTEMATIC ERROR 4.48
 RATIO 4.05
 AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 9.60

**** INTERSECTION STATISTICS ****

LINE	1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-39.51	-50.38	-67.71	-3.21	-1.84	-19.18	-69.56
		12	-22.85	-36.59	-53.93	2.30	1.22	-16.11	-52.70
		13	-17.62	-203.84	-221.17	-4.90	-3.03	-20.37	-224.21
		14	-0.92	-1.06	-18.40	-5.87	-3.48	-20.82	-21.88
		15	-19.93	-264.34	-281.68	-2.87	-1.33	-18.67	-283.01
		16	-29.88	-9.76	-27.10	-9.26	-4.35	-21.68	-31.44
		17	-22.71	-287.38	-304.72	-6.09	-3.33	-20.67	-308.05
		18	-14.38	-284.46	-301.80	-3.33	-1.89	-19.23	-303.70
		19	-21.90	-12.37	-29.71	-9.72	-3.91	-21.25	-33.63
		20	33.22	-117.66	-134.99	-2.38	-0.87	-18.21	-135.86
		21	-22.98	-176.71	-194.05	0.54	0.37	-16.96	-193.68
		22	-13.54	-282.42	-299.76	1.37	1.08	-16.25	-298.68
		23	-21.83	-170.48	-187.82	-0.54	-0.29	-17.63	-188.11
		24	-23.76	-234.77	-252.11	-6.65	-3.38	-20.72	-255.49
		25	-3.30	-214.35	-231.68	4.29	2.12	-15.22	-229.57
		26	-16.52	-291.62	-308.96	2.69	1.70	-15.64	-307.27
		27	-21.15	-246.50	-263.84	1.61	0.91	-16.43	-262.93
		28	-4.36	-249.51	-266.84	5.33	3.03	-14.31	-263.81
		30	-14.19	-265.10	-282.43	4.19	2.86	-14.47	-279.57
		31	-16.88	-214.56	-231.90	9.09	3.73	-13.61	-228.17
		32	-25.70	-265.09	-282.43	6.05	3.56	-13.78	-278.86
		33	-19.95	-198.37	-215.71	7.68	3.42	-13.92	-212.29
		34	-12.92	-191.65	-208.99	9.69	4.30	-13.04	-204.69
LINE	2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		25	49.73	-292.86	-259.36	6.48	2.88	36.37	-256.48
		27	33.88	-297.85	-264.35	5.80	2.98	36.48	-261.37
		28	38.48	-168.50	-135.00	-2.67	-1.39	32.11	-136.39
		30	32.01	-275.55	-242.05	-0.45	-0.29	33.21	-242.33
		31	28.63	-108.28	-74.78	3.76	1.37	34.86	-73.42
		32	17.27	-225.20	-191.70	-1.81	-0.98	32.52	-192.68
		33	16.47	-175.40	-141.90	-6.74	-2.67	30.83	-144.57
		34	23.86	-213.48	-179.98	-4.37	-1.72	31.78	-181.71
LINE	3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-9.15	-90.77	-86.58	5.62	2.85	7.05	-83.72
		13	14.19	-221.24	-217.05	5.37	2.98	7.17	-214.07
		14	31.72	-56.18	-51.98	5.24	2.76	6.96	-49.22
		15	-2.01	-268.25	-264.06	-6.48	-2.58	1.61	-266.64
		16	-2.95	-59.85	-55.66	-3.86	-1.56	2.64	-57.21

*LINE	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	17	2.18	-302.32	-298.12	-2.73	-1.31	2.88	-299.44
	18	9.16	-289.41	-285.21	-1.32	-0.66	3.53	-285.88
	20	64.68	-147.33	-143.14	7.56	2.32	6.51	-140.82
	21	-1.98	-206.51	-202.32	0.01	0.01	4.20	-202.31
	22	4.48	-286.20	-282.01	-2.14	-1.59	2.60	-283.60
	23	-3.23	-222.41	-218.22	-3.47	-1.64	2.56	-219.86
	24	2.69	-239.63	-235.44	-1.73	-0.77	3.43	-236.20
	26	0.24	-307.04	-302.85	-2.07	-1.17	3.02	-304.02
LINE	4							
	11	-26.86	-78.92	-90.11	3.30	1.45	-9.74	-88.67
	12	-22.26	-27.13	-38.32	-3.26	-1.30	-12.49	-39.62
	13	-7.33	-225.40	-236.59	-0.76	-0.37	-11.56	-236.96
	14	9.40	-6.84	-18.03	-1.69	-0.78	-11.97	-18.80
	15	-12.17	-275.66	-286.85	-1.26	-0.42	-11.61	-287.27
	16	-13.24	-29.31	-40.50	1.24	0.42	-10.77	-40.08
	17	-6.67	-304.85	-316.04	3.81	1.57	-9.62	-314.47
	18	-3.66	-299.23	-310.42	1.24	0.54	-10.65	-309.88
	19	-11.54	-10.97	-22.16	-5.51	-1.55	-12.74	-23.71
	20	48.59	-147.54	-158.73	6.85	1.72	-9.47	-157.01
	22	-9.22	-290.51	-301.70	-0.45	-0.31	-11.50	-302.01
	24	-14.72	-252.71	-263.90	-3.75	-1.41	-12.60	-265.31
	26	-12.82	-300.52	-311.71	0.25	0.12	-11.07	-311.59
LINE	5							
	11	-33.69	-113.06	-127.75	-0.03	-0.02	-14.71	-127.77
	12	-28.27	-11.17	-25.86	-5.77	-2.76	-17.45	-28.62
	13	-11.51	-241.78	-256.47	-1.44	-0.81	-15.50	-257.28
	14	7.16	-19.21	-33.91	-0.44	-0.24	-14.93	-34.14
	16	-15.52	-59.86	-74.55	2.46	1.02	-13.67	-73.52
	19	-13.42	-3.72	-18.41	-3.89	-1.37	-16.06	-19.77
	20	47.35	-173.12	-187.81	9.11	2.89	-11.80	-184.92
LINE	7							
	11	-3.21	-196.31	-174.90	-5.67	-3.45	17.97	-178.35
	12	20.34	-108.94	-87.52	6.73	3.83	25.25	-83.70
	13	27.77	-268.85	-247.43	1.73	1.13	22.55	-246.31
	14	46.47	-122.07	-100.65	2.77	1.73	23.15	-98.92
	15	32.31	-283.68	-262.26	10.61	5.30	26.72	-256.96
	16	27.55	-156.87	-135.45	9.42	4.76	26.18	-130.70
	17	27.14	-281.66	-260.25	5.01	2.92	24.34	-257.33
	18	35.26	-288.93	-267.51	7.55	4.56	25.98	-262.95
	19	33.28	-105.58	-84.16	6.71	2.93	24.35	-81.23
	20	81.40	-235.30	-213.88	7.04	2.82	24.24	-211.06
	21	17.16	-255.91	-234.49	1.92	1.39	22.81	-233.11
	22	25.78	-266.28	-244.86	1.94	1.57	22.99	-243.29
	23	11.51	-263.35	-241.93	-5.95	-3.41	18.01	-245.35
	24	25.57	-258.54	-237.12	3.93	2.14	23.55	-234.99
	25	23.46	-269.73	-248.31	-7.72	-4.09	17.33	-252.40
	26	23.66	-275.28	-253.86	4.11	2.72	24.14	-251.14
	27	10.08	-274.00	-252.58	-5.92	-3.55	17.87	-256.13

247071

		28	23.77	-280.98	-259.56	-5.31	-3.20	18.22	-262.76
		29	20.69	-278.55	-257.13	-3.54	-2.52	18.90	-259.66
		30	17.59	-278.61	-257.19	-2.79	-1.99	19.43	-259.18
		31	0.24	-273.48	-252.06	-12.55	-5.59	15.83	-257.65
		32	2.51	-281.77	-260.35	-4.50	-2.80	18.62	-263.15
		33	4.06	-244.25	-222.83	-7.06	-3.39	18.03	-226.22
		34	7.70	-217.61	-196.19	-8.45	-4.05	17.37	-200.23
LINE	8	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-12.99	-204.58	-203.76	-7.40	-2.41	-1.59	-206.17
		21	-10.02	-208.35	-207.53	-4.66	-2.81	-1.99	-210.34
		23	-0.97	-215.06	-214.24	2.16	0.95	1.77	-213.29
		25	7.53	-220.62	-219.80	-3.04	-1.21	-0.39	-221.01
		27	-6.09	-223.55	-222.73	-1.49	-0.69	0.13	-223.42
		28	11.13	-223.05	-222.23	2.65	1.25	2.07	-220.98
		29	6.23	-224.74	-223.91	2.59	1.53	2.35	-222.38
		31	-8.11	-219.27	-218.45	-0.30	-0.10	0.73	-218.55
		32	-13.33	-225.52	-224.70	0.26	0.13	0.95	-224.57
		33	-3.36	-202.51	-201.69	6.11	2.14	2.97	-199.54
		34	-1.33	-187.30	-186.47	3.12	1.09	1.91	-185.38
LINE	9	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		8	12.99	-217.57	-211.17	7.40	4.99	11.40	-206.17
		18	8.55	-173.19	-166.78	-4.15	-2.69	3.72	-169.46
		20	43.58	-148.75	-142.34	-15.77	-7.04	-0.63	-149.38
		21	2.42	-220.87	-214.46	2.19	1.66	8.07	-212.80
		22	8.13	-203.35	-196.94	-0.71	-0.60	5.81	-197.54
		23	10.26	-226.32	-219.91	7.80	4.83	11.24	-215.08
		24	14.85	-211.66	-205.25	8.21	4.85	11.26	-200.40
		26	-0.45	-192.85	-186.44	-4.98	-3.50	2.91	-189.94
LINE	10	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		19	22.46	-160.04	-155.14	12.41	7.46	12.36	-147.68
		20	45.43	-150.59	-145.69	-12.41	-7.00	-2.10	-152.69
LINE	11	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	39.51	-89.89	-70.93	3.21	1.37	20.33	-69.56
		3	9.15	-99.91	-80.95	-5.62	-2.77	16.19	-83.72
		4	26.86	-105.78	-86.82	-3.30	-1.85	17.11	-88.67
		5	33.69	-146.75	-127.78	0.03	0.02	18.98	-127.77
		7	3.21	-199.53	-180.57	5.67	2.22	21.18	-178.35
LINE	12	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	22.85	-59.44	-51.63	-2.30	-1.07	6.74	-52.70
		4	22.26	-49.39	-41.58	3.26	1.96	9.76	-39.62
		5	28.27	-39.44	-31.63	5.77	3.01	10.81	-28.62
		7	-20.34	-88.60	-80.79	-6.73	-2.90	4.90	-83.70
LINE	13	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	17.62	-221.45	-226.07	4.90	1.87	-2.75	-224.21
		3	-14.19	-207.05	-211.68	-5.37	-2.40	-7.02	-214.07
		4	7.33	-232.74	-237.36	0.76	0.39	-4.23	-236.96
		5	11.51	-253.28	-257.90	1.44	0.62	-4.00	-257.28
		7	-27.77	-241.08	-245.70	-1.73	-0.60	-5.22	-246.31

*LINE		*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	14*								
		1	0.92	-1.98	-24.27	5.87	2.39	-19.90	-21.88
		3	-31.72	-24.45	-46.74	-5.24	-2.48	-24.77	-49.22
		4	-9.40	2.57	-19.72	1.69	0.92	-21.37	-18.80
		5	-7.16	-12.06	-34.34	0.44	0.20	-22.09	-34.14
		7	-46.47	-75.60	-97.89	-2.77	-1.03	-23.32	-98.92
LINE	15	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	19.93	-284.27	-284.55	2.87	1.54	1.26	-283.01
		3	2.01	-270.26	-270.54	6.48	3.90	3.62	-266.64
		4	12.17	-287.82	-288.10	1.26	0.84	0.56	-287.27
		7	-32.31	-251.37	-251.65	-10.61	-5.31	-5.59	-256.96
LINE	16	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	29.88	-39.64	-36.35	9.26	4.91	8.20	-31.44
		3	2.95	-62.80	-59.51	3.86	2.30	5.59	-57.21
		4	13.24	-42.55	-39.26	-1.24	-0.82	2.47	-40.08
		5	15.52	-75.38	-72.09	-2.46	-1.44	1.85	-73.52
		7	-27.55	-129.32	-126.03	-9.42	-4.66	-1.37	-130.70
LINE	17	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	22.71	-310.09	-310.80	6.09	2.75	2.04	-308.05
		3	-2.18	-300.14	-300.85	2.73	1.42	0.70	-299.44
		4	6.67	-311.52	-312.24	-3.81	-2.23	-2.95	-314.47
		7	-27.14	-254.52	-255.24	-5.01	-2.09	-2.81	-257.33
LINE	18	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	14.38	-298.84	-305.13	3.33	1.44	-4.85	-303.70
		3	-9.16	-280.24	-286.53	1.32	0.65	-5.63	-285.88
		4	3.66	-302.89	-309.18	-1.24	-0.70	-6.99	-309.88
		7	-35.26	-253.67	-259.96	-7.55	-3.00	-9.28	-262.95
		9	-8.55	-164.64	-170.93	4.15	1.46	-4.82	-169.46
LINE	19	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	21.90	-34.27	-39.43	9.72	5.80	0.65	-33.63
		4	11.54	-22.51	-27.67	5.51	3.95	-1.20	-23.71
		5	13.42	-17.14	-22.30	3.89	2.52	-2.63	-19.77
		7	-33.28	-72.30	-77.46	-6.71	-3.77	-8.93	-81.23
		10	-22.46	-137.58	-142.73	-12.41	-4.95	-10.10	-147.68
LINE	20	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-33.22	-84.44	-137.37	2.38	1.51	-51.43	-135.86
		3	-64.68	-82.65	-135.59	-7.56	-5.24	-58.17	-140.82
		4	-48.59	-98.95	-151.88	-6.85	-5.12	-58.06	-157.01
		5	-47.35	-125.77	-178.71	-9.11	-6.21	-59.15	-184.92
		7	-81.40	-153.90	-206.84	-7.04	-4.23	-57.16	-211.06
		9	-43.58	-105.17	-158.10	15.77	8.73	-44.21	-149.38
		10	-45.43	-105.17	-158.10	12.41	5.41	-47.52	-152.69
LINE	21	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	22.98	-199.69	-193.51	-0.54	-0.17	6.02	-193.68
		3	1.98	-208.48	-202.30	-0.01	0.00	6.18	-202.31
		7	-17.16	-238.75	-232.57	-1.92	-0.54	5.65	-233.11
		8	10.02	-218.38	-212.19	4.66	1.86	8.04	-210.34
		9	-2.42	-218.45	-212.27	-2.19	-0.53	5.65	-212.80

247073

10029

*LINE		*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	22*								
		1	13.54	-295.96	-298.39	-1.37	-0.29	-2.72	-298.68
		3	-4.48	-281.72	-284.15	2.14	0.55	-1.88	-283.60
		4	9.22	-299.73	-302.16	0.45	0.14	-2.29	-302.01
		7	-25.78	-240.50	-242.93	-1.94	-0.36	-2.79	-243.29
		9	-8.13	-195.22	-197.65	0.71	0.11	-2.31	-197.54
LINE	23	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	21.83	-192.32	-188.36	0.54	0.25	4.20	-188.11
		3	3.23	-225.64	-221.69	3.47	1.83	5.78	-219.86
		7	-11.51	-251.84	-247.88	5.95	2.54	6.49	-245.35
		8	0.97	-216.03	-212.08	-2.16	-1.21	2.74	-213.29
		9	-10.26	-216.07	-212.11	-7.80	-2.97	0.98	-215.08
LINE	24	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	23.76	-258.54	-258.76	6.65	3.27	3.04	-255.49
		3	-2.69	-236.94	-237.17	1.73	0.97	0.74	-236.20
		4	14.72	-267.43	-267.66	3.75	2.34	2.12	-265.31
		7	-25.57	-232.97	-233.20	-3.93	-1.79	-2.02	-234.99
		9	-14.85	-196.81	-197.03	-8.21	-3.37	-3.59	-200.40
LINE	25	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.30	-217.64	-227.40	-4.29	-2.17	-11.92	-229.57
		2	-49.73	-243.13	-252.88	-6.48	-3.60	-13.35	-256.48
		7	-23.46	-246.27	-256.03	7.72	3.63	-6.13	-252.40
		8	-7.53	-213.09	-222.84	3.04	1.83	-7.92	-221.01
LINE	26	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	16.52	-308.14	-306.27	-2.69	-1.00	0.88	-307.27
		3	-0.24	-306.80	-304.92	2.07	0.90	2.78	-304.02
		4	12.82	-313.34	-311.46	-0.25	-0.12	1.75	-311.59
		7	-23.66	-251.62	-249.75	-4.11	-1.39	0.49	-251.14
		9	0.45	-193.30	-191.42	4.98	1.48	3.36	-189.94
LINE	27	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	21.15	-267.65	-262.23	-1.61	-0.70	4.72	-262.93
		2	-33.88	-263.97	-258.55	-5.80	-2.82	2.60	-261.37
		7	-10.08	-263.92	-258.50	5.92	2.38	7.79	-256.13
		8	6.09	-229.64	-224.22	1.49	0.80	6.21	-223.42
LINE	28	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	4.36	-253.86	-261.52	-5.33	-2.29	-9.95	-263.81
		2	-38.48	-130.02	-137.67	2.67	1.29	-6.37	-136.39
		7	-23.77	-257.21	-264.86	5.31	2.10	-5.55	-262.76
		8	-11.13	-211.92	-219.58	-2.65	-1.40	-9.06	-220.98
LINE	29	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		7	-20.69	-257.86	-260.68	3.54	1.02	-1.80	-259.66
		8	-6.23	-218.51	-221.32	-2.59	-1.06	-3.88	-222.38
		30	-4.81	-262.15	-264.97	-0.95	-0.48	-3.29	-265.44
LINE	30	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	14.19	-279.29	-278.25	-4.19	-1.33	-0.28	-279.57
		2	-32.01	-243.54	-242.50	0.45	0.16	1.20	-242.33
		7	-17.59	-261.02	-259.98	2.79	0.80	1.84	-259.18
		29	4.81	-266.96	-265.92	0.95	0.47	1.51	-265.44

*LINE		*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	31*								
		1	16.88	-231.44	-222.81	-9.09	-5.36	3.27	-228.17
		2	-28.63	-79.65	-71.02	-3.76	-2.40	6.23	-73.42
		7	-0.24	-273.25	-264.62	12.55	6.96	15.59	-257.65
		8	8.11	-227.38	-218.75	0.30	0.20	8.84	-218.55
LINE	32	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	25.70	-290.79	-276.38	-6.05	-2.49	11.93	-278.86
		2	-17.27	-207.93	-193.52	1.81	0.84	15.25	-192.68
		7	-2.51	-279.26	-264.85	4.50	1.70	16.11	-263.15
		8	13.33	-238.86	-224.44	-0.26	-0.13	14.28	-224.57
LINE	33	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	19.95	-218.32	-208.02	-7.68	-4.26	6.03	-212.29
		2	-16.47	-158.93	-148.64	6.74	4.07	14.36	-144.57
		7	-4.06	-240.19	-229.89	7.06	3.67	13.97	-226.22
		8	3.36	-205.87	-195.57	-6.11	-3.97	6.32	-199.54
LINE	34	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	12.92	-204.57	-199.30	-9.69	-5.39	-0.12	-204.69
		2	-23.86	-189.62	-184.35	4.37	2.64	7.92	-181.71
		7	-7.70	-209.91	-204.64	8.45	4.40	9.68	-200.23
		8	1.33	-188.62	-183.35	-3.12	-2.03	3.24	-185.38

247075

THE FOLLOWING LINE(S) HAVE NO CROSSINGS OR NO DATA AT CROSSINGS

247076

APPENDIX IV

Tape Format

247077

TAPE FORMAT

Processed Marine Gravity and Magnetic Data
 Bass Strait T/14-P Survey
 Offshore Australia
 April, 1990

I. TAPE SPECIFICATIONS:

- a. Media: 1/2 inch, 9 track, 1600 bpi, odd parity, ASCII code
- b. Logical record size: 136 characters
- c. Physical record size: 1360 characters
- d. Blocking factor: 10
- e. 4464 records written to tape file 1.

II. DATA SPECIFICATIONS:

Field	Data	Units	Column	Format	No Data Value
1	EDCON Line Number		1-4	I4	
2	Seismic Line Number		5-12	I8	
3	Date (Julian Day)	yyddd	13-19	I7	
4	Time	hhmmss	20-26	I7	
5	Shotpoint Number at CDP		27-32	I6	
6	Water Depth	metres	33-39	F7.2	9999.99
7	Latitude at Antenna	degrees	40-50	F11.6	9999.999999
8	Longitude at Antenna	degrees	51-61	F11.6	9999.999999
9	X Coordinate at Antenna †	metres	62-71	F10.1	99999999.9
10	Y Coordinate at Antenna †	metres	72-81	F10.1	99999999.9
11	Raw Corrected Gravity	mgal	82-89	F8.2	99999.99
12	Eotvos Correction	mgal	90-95	F6.2	999.99
13	Free-Air Gravity	mgal	96-101	F6.2	999.99
14	Adjusted Free-Air	mgal	102-107	F6.2	999.99
15	2-D Bouguer Gravity	mgal	108-113	F6.2	999.99
16	Adjusted 2-D Bouguer	mgal	114-119	F6.2	999.99
17	Raw Magnetics	gammas	120-128	F9.2	999999.99
18	Adjusted Magnetics	gammas	129-135	F7.2	9999.99
19	Blank		136		

† X and Y Coordinate Projection:

Projection:	Universal Transverse Mercator
Spheroid:	Australian
Central Meridian:	147° East
Y-Axis Origin:	0°
Scale Factor:	0.9996
False Easting:	500,000 Metres
False Northing:	10,000,000 Metres

BASS STRAIT T/14-P

MARINE GRAVITY & MAGNETIC SURVEY – OFF SHORE AUSTRALIA

Lines 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34.



247079

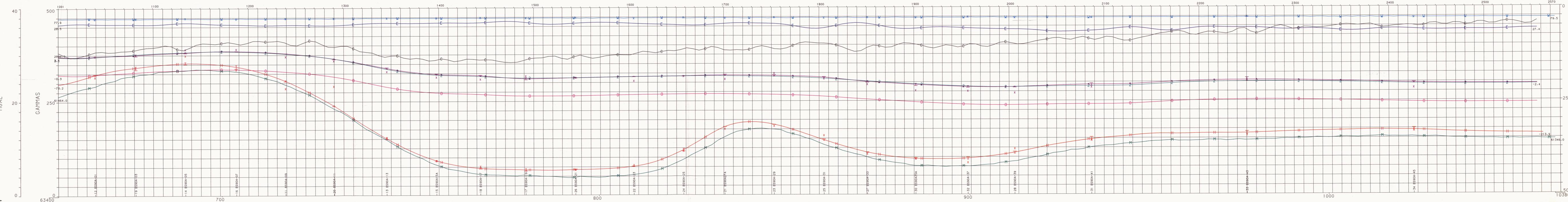
SHELL AUSTRALIA, LTD.			
LINE	BOUGER DENSITY	COURSE	DATE
BS90A-12	2.20 g/cc	111.5	2/24/90
BASS STRAIT T/14-P			
MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/4/90 15128153	25000	5/4/90 15127157	C 600 M 480

5 cm

- RAW CORR GRAVITY 0-0-0
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY 0-0-0
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG - - -
- TOTAL FIELD M-M-M
- ADJUSTED MAGNETIC H-H-H

OR-0246E (v2)

TIME



METRES

500
103800



SHELL AUSTRALIA, LTD.			
LINE 2	BOUGUER DENSITY 2.20	COURSE 291.3	DATE 2/24/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:29: 8	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 600 M 480

5 cm

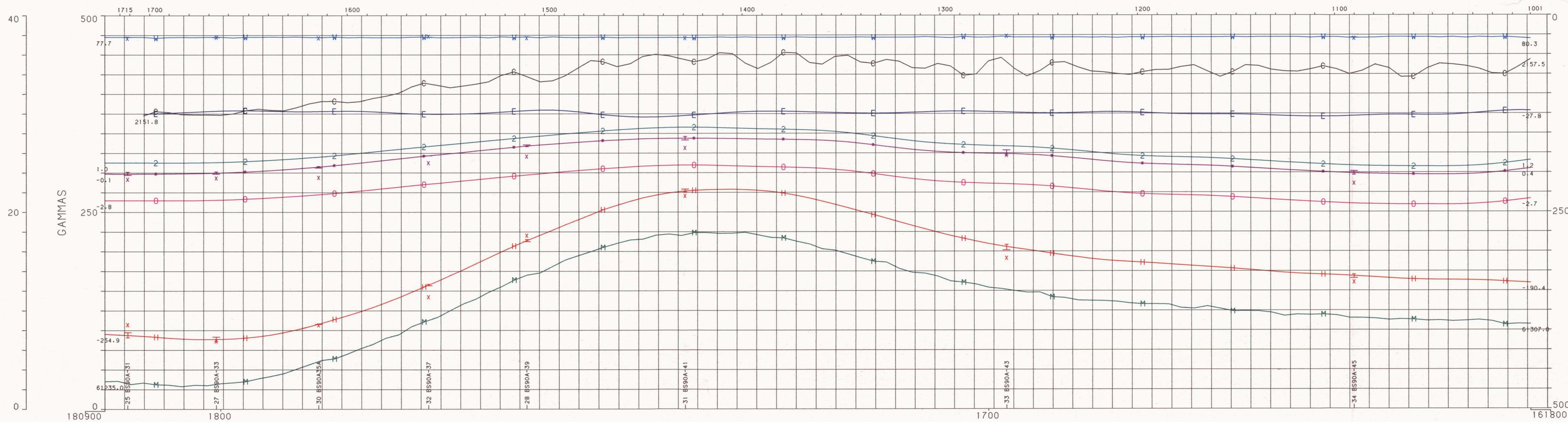
247080

MGAL

- RAW CORR GRAVITY ○-○-○-○
- EOTVOS CORR. E-E-E-E
- FREE AIR GRAVITY ○-○-○-○
- ADJUSTED WATER-M W-W-W-W
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (v2/2)

TIME ←



METRES



SHELL AUSTRALIA, LTD.			
LINE 4	BOUGHER 2.20	COURSE T/14-P	DATE 2/25/90
BS90A-10	2.20 g/cc	BASS STRAIT	56
MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90	SCALE 25000	FILE DATE 5/ 4/90	FILTERS G 600 M 240

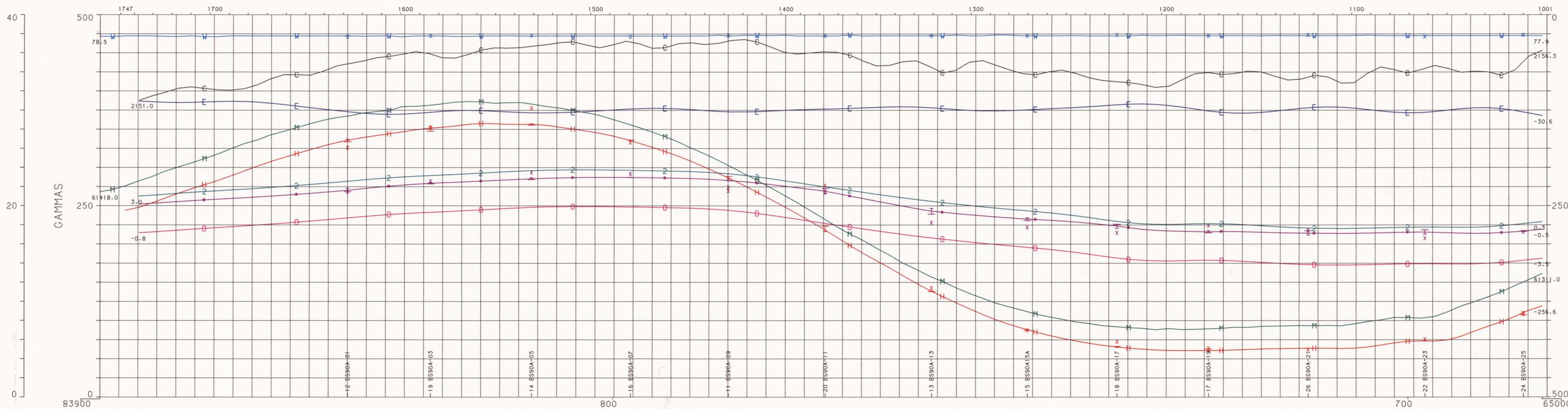
5 cm

247082

- RAW CORR GRAVITY o-o-o-o
- EOTVOS CORR. E-E-E-E
- FREE AIR GRAVITY o-o-o-o
- ADJUSTED WATER-M W-W-W-W
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (v2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE	BOUGER	COURSE	DATE
5	2.20	110.9	2/25/90
BS90A-8A	6/cc		56
BASS STRAIT T/14-P			
MARINE GRAVITY AND			
MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/ 4/90	25000	5/ 4/90	G 600
15:29:33		15:27:57	M 240

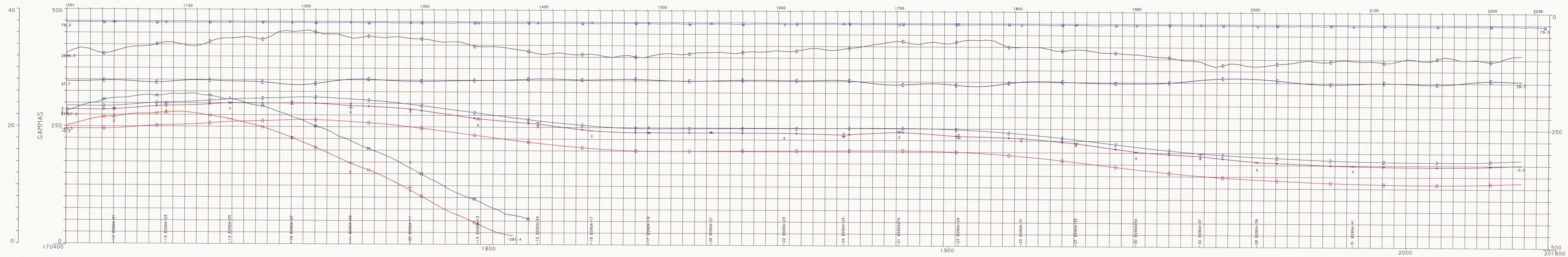
5 cm

247083

- RAW CORR GRAVITY ○-○-○
- EOTVOS CORR. E-E-E-E
- FREE AIR GRAVITY ○-○-○
- ADJUSTED WATER-M W-W-W-W
- 2-D BOUG GRAVITY z-z-z-z
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD H-H-H-H
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (1/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 6	BOUGUER DENSITY 2.20	COURSE 291.3	DATE 2/25/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:29:44	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 600 M 240

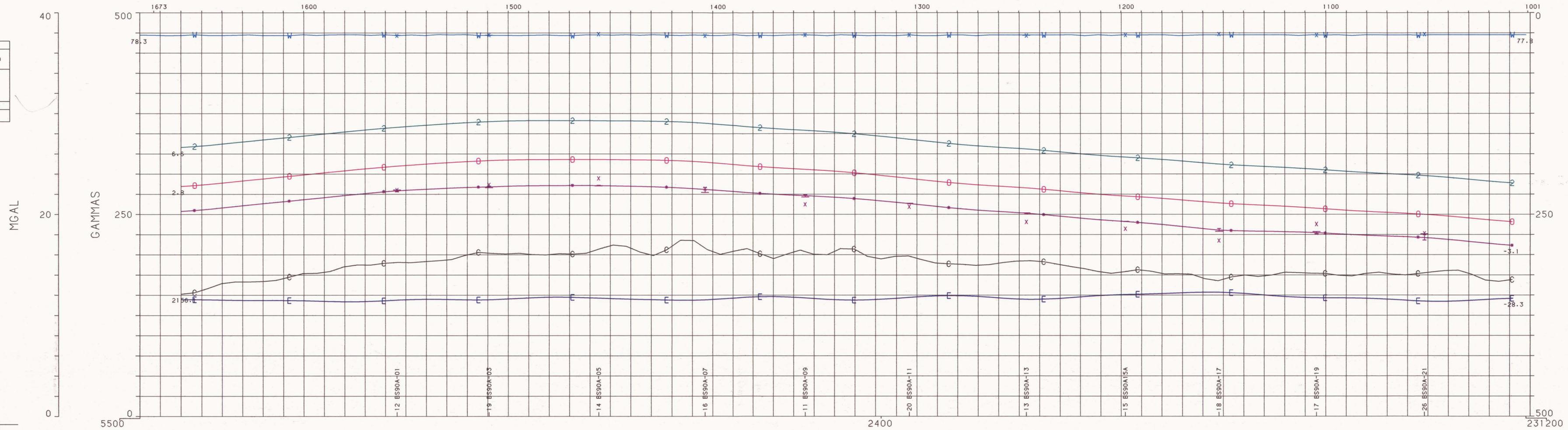
5 cm

247084

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD HHHH
- ADJUSTED MAGNETIC HHHH

OR-0246E (v2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE	BOUQUET	COURSE	DATE
BSS90A-04	2.20	111.1	2/26/90
BASS STRAIT T/14-P			
MARINE GRAVITY AND			
MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/ 4/90	25000	5/ 4/90	G 600
15:29:51		15:27:57	H 480

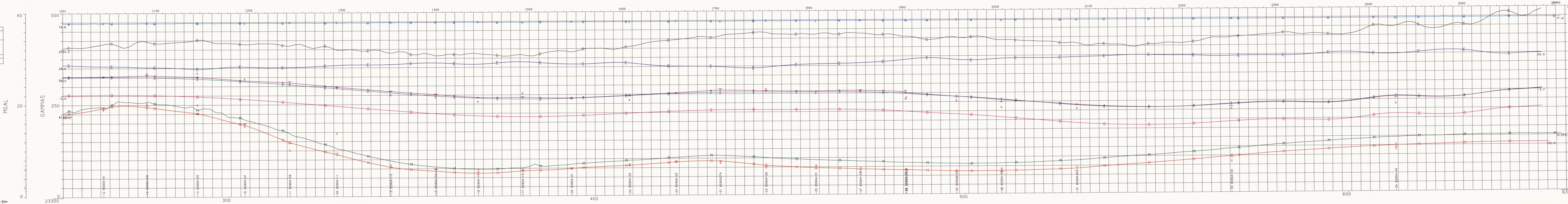
5 cm

247085

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. □□□□
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD M M M M
- ADJUSTED MAGNETIC H H H H

OR-0246E (v2)

TIME →



METRES



SHELL AUSTRALIA, LTD.			
LINE 8	BOUGUER DENSITY 2.20	COURSE T/14-P 291.4	DATE 2/26/90 57
BASS STRAIT MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30: 6	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 480

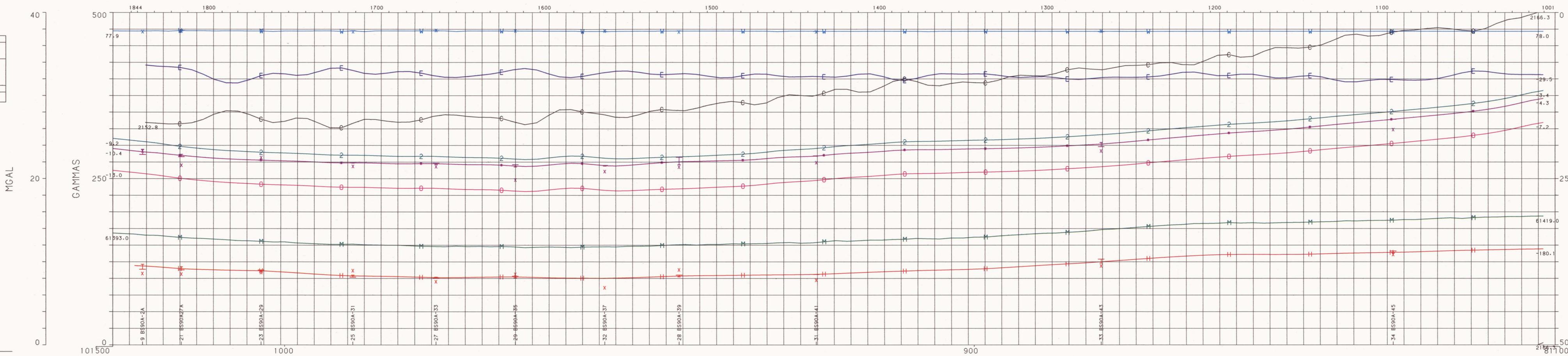
5 cm

247086

- RAW CORR GRAVITY o-o-o
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY o-o-o
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG - - -
- TOTAL FIELD M-M-M
- ADJUSTED MAGNETIC H-H-H

OR-0246E (2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 9	BOUGUER DENSITY 2.20 g/cc	COURSE 291.3	DATE 2/26/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/4/90 15:30:23	SCALE 25000	FILE DATE 5/4/90 15:27:57	FILTERS G 300 M 240

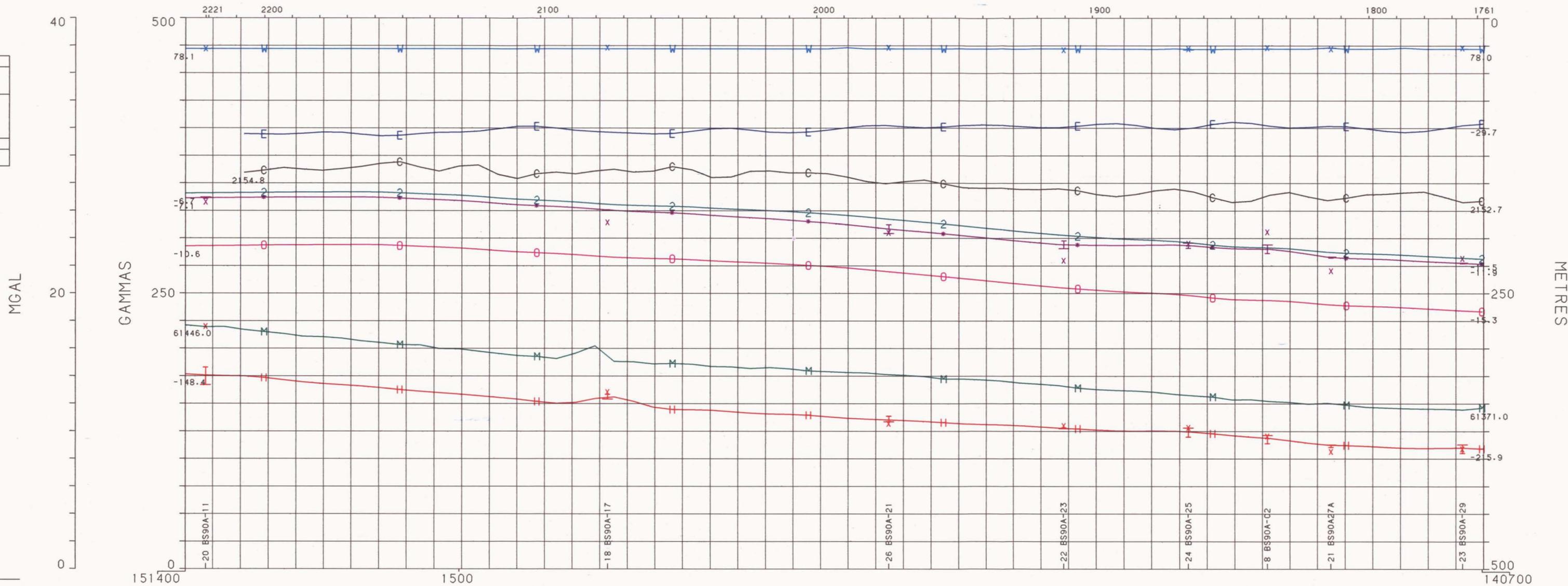
5 cm

247087

- RAW CORR GRAVITY o-o-o-o
- EOTVOS CORR. e-e-e-e
- FREE AIR GRAVITY o-o-o-o
- ADJUSTED WATER-M w-w-w-w
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD m-m-m-m
- ADJUSTED MAGNETIC h-h-h-h

OR_0246E (Vol 2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 10	BOUGUER DENSITY 2.20 g/cc	COURSE 291.2	DATE 2/26/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30:30	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

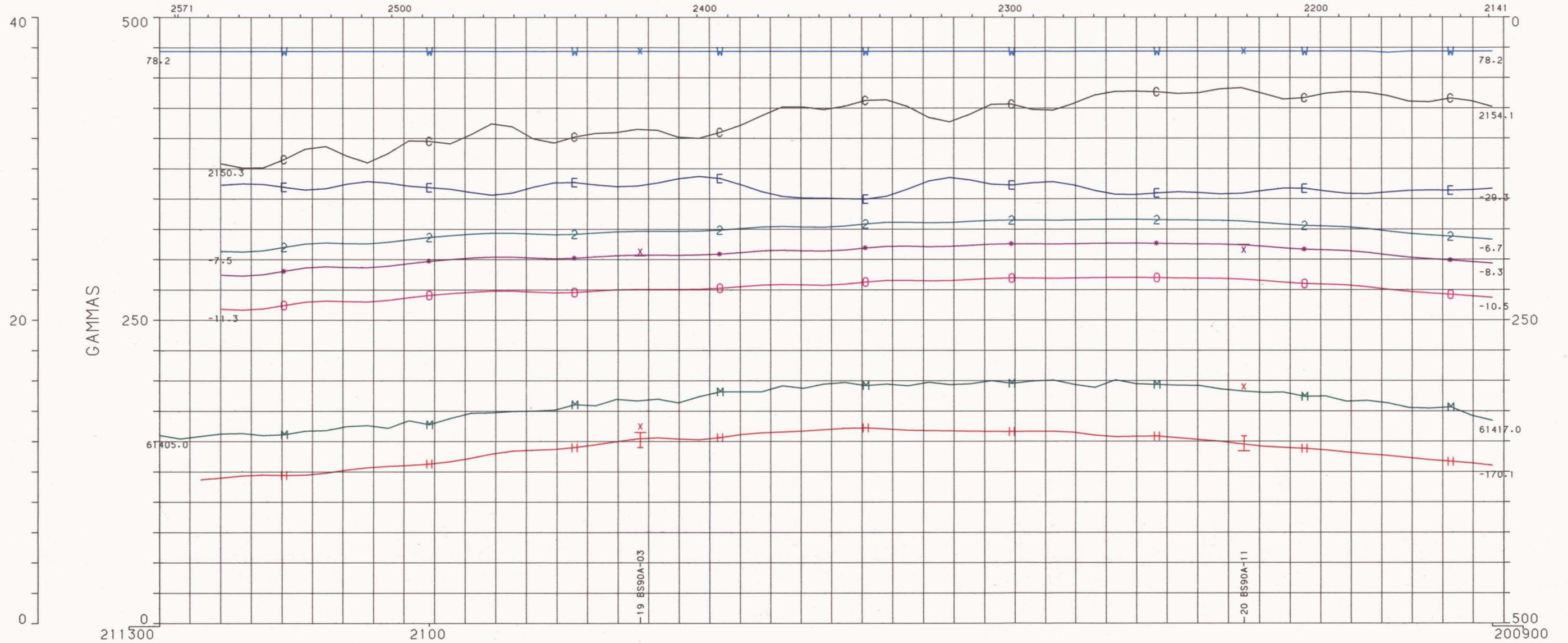
5 cm

24700S

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD MMMMM
- ADJUSTED MAGNETIC HHHH

OR-0246E (vol 2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 11	BOUGER DENSITY 2.20 g/cc	COURSE 21.6	DATE 2/26/90
BASS STRAIT 7/14-P			
MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30:36	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

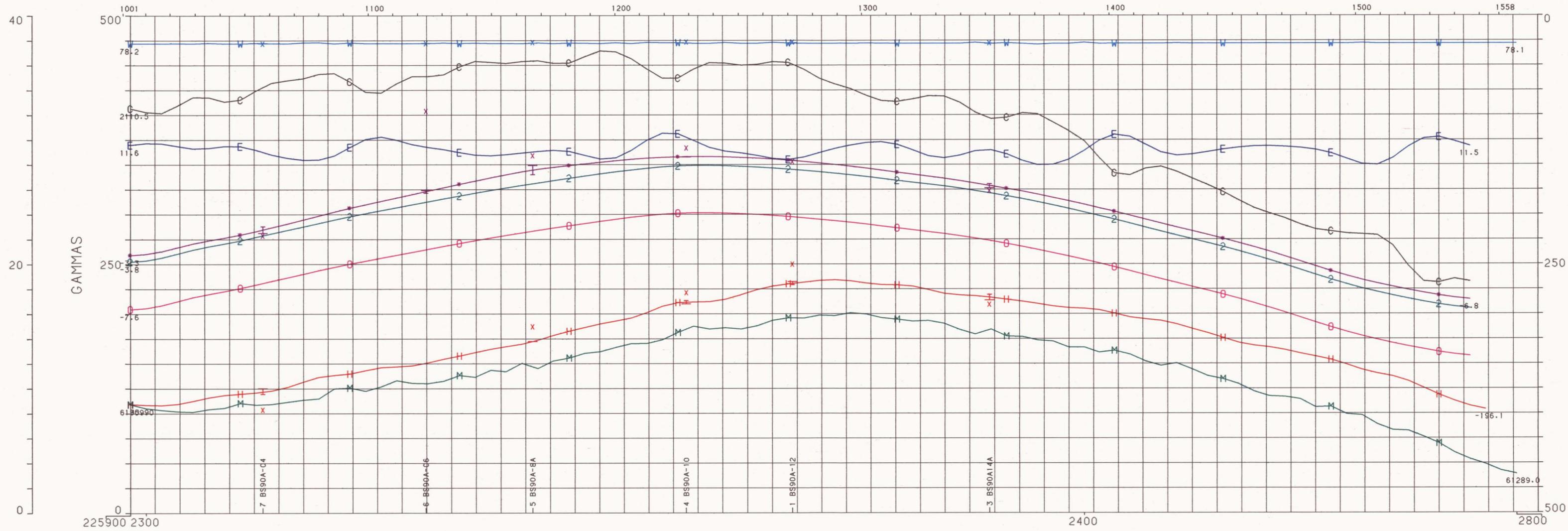
5 cm

247089

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M M M M
- ADJUSTED MAGNETIC H H H H

OR_0246E (vol 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 12	BOUGUER DENSITY 2.20 g/cc	COURSE 201.4	DATE 2/27/90
BS90A-01			58
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30:43	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

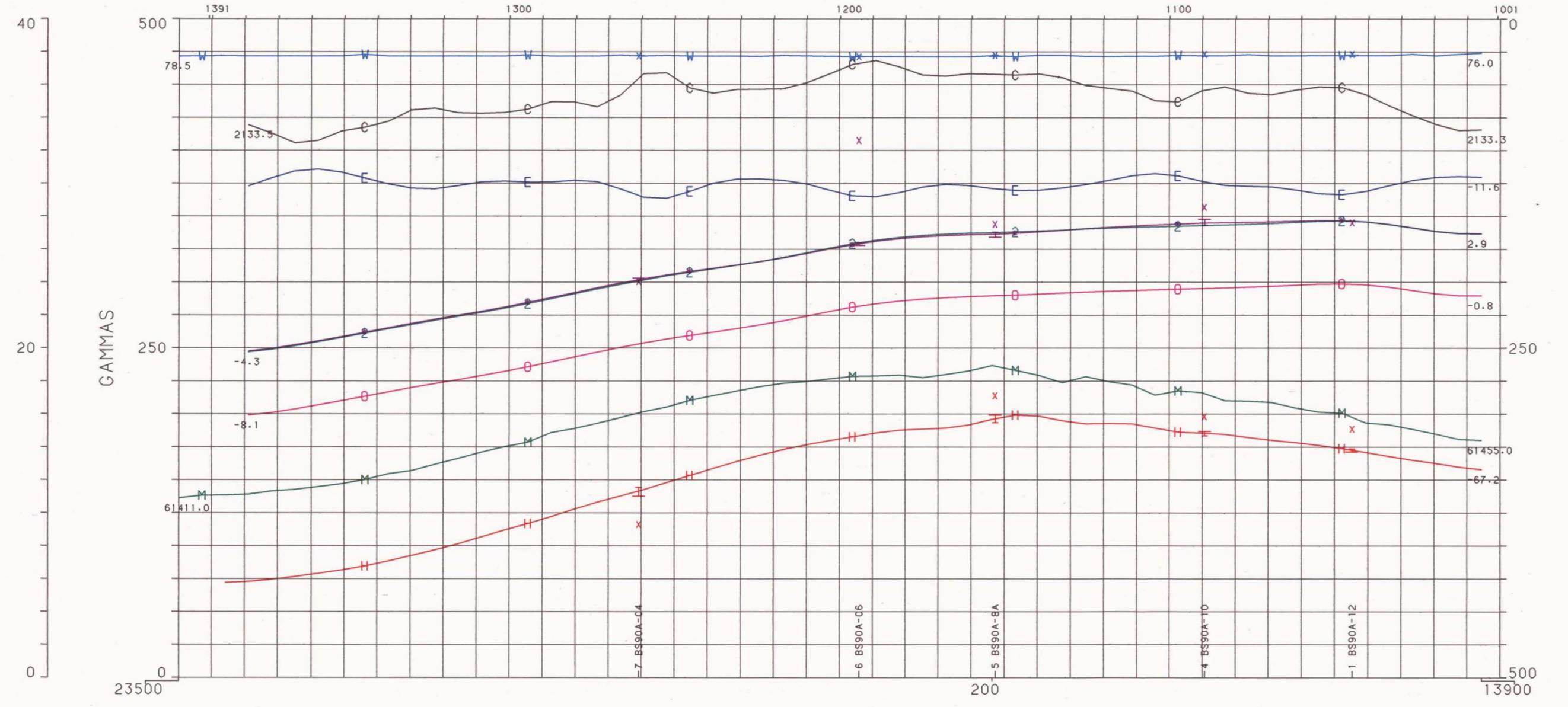
5 cm

247090

- RAW CORR GRAVITY ○○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG ●●●●●
- TOTAL FIELD M M M M M
- ADJUSTED MAGNETIC H H H H H

OR 0246E (ver 2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 13	BOUGUER DENSITY 2.20 g/cc	COURSE 21.0	DATE 2/27/90 58
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30:49	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

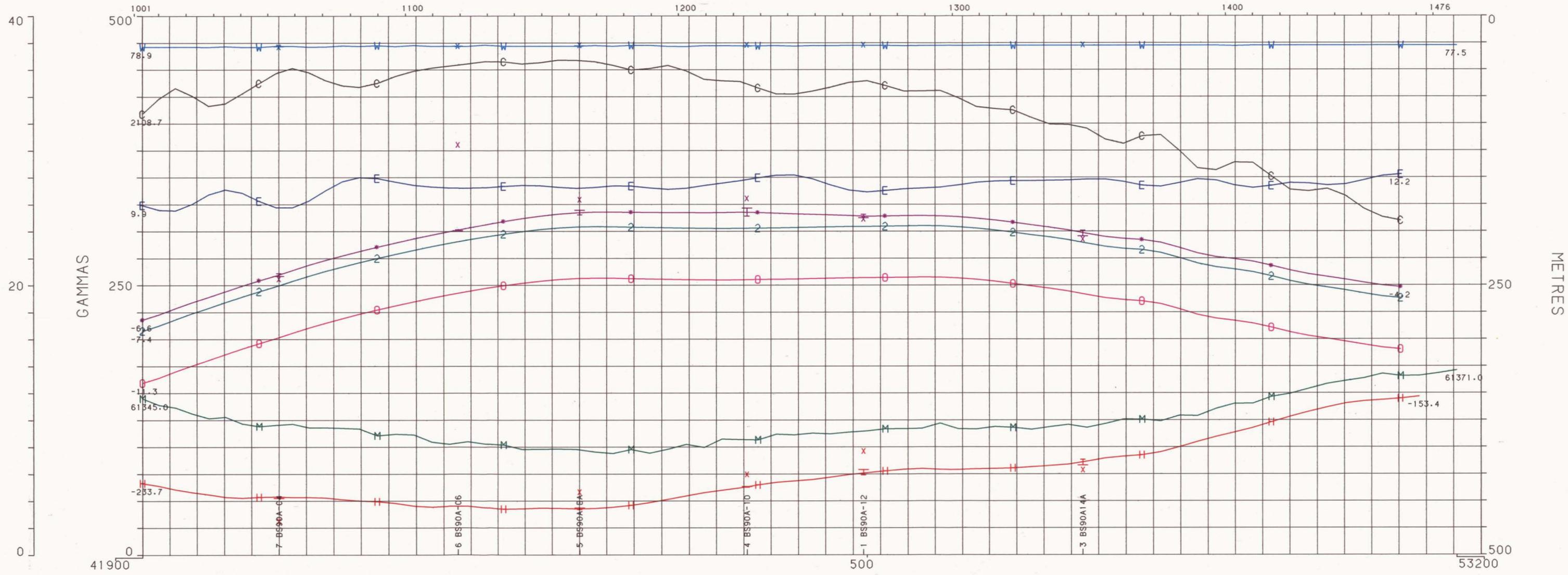
5 cm

247091

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M M M M
- ADJUSTED MAGNETIC H H H H

OR_0246E (vol 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 14	BOUGUER DENSITY 2.20 g/cc	COURSE 200.0	DATE 2/27/90 58
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:30:55	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

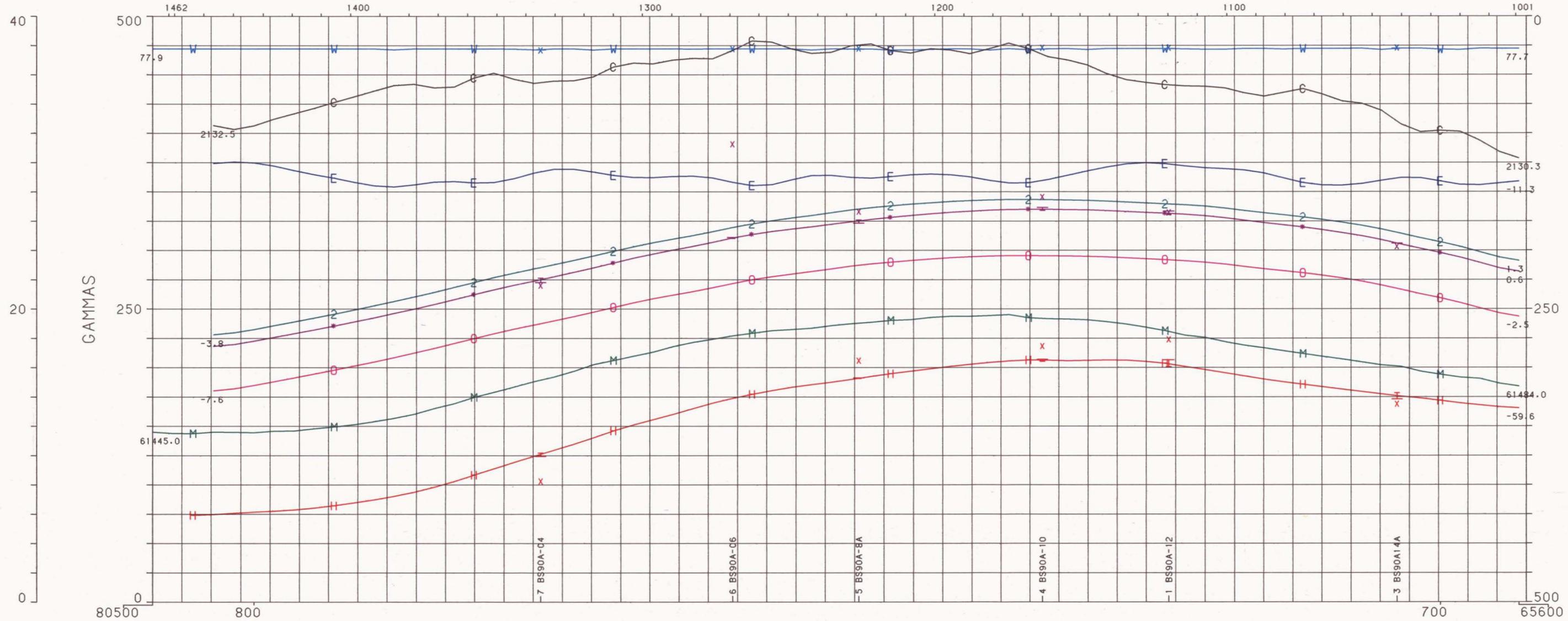
5 cm

247092

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (vol 2/2)

TIME ←





247093

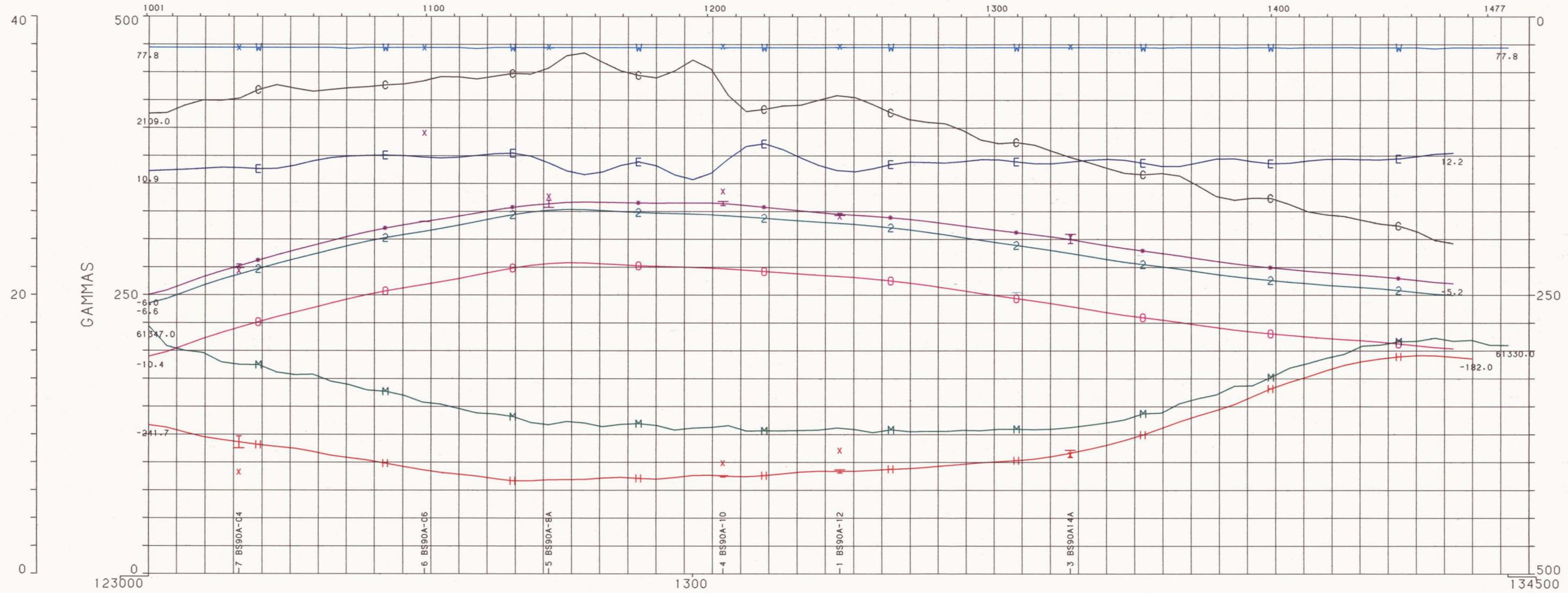
SHELL AUSTRALIA, LTD.			
LINE 15	BOUGUER DENSITY 2.20 g/cc	COURSE 22.1	DATE 2/27/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:31:1	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

5 cm

- RAW CORR GRAVITY ○○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 22222
- ADJUSTED 2-D BOUG ●●●●●
- TOTAL FIELD NNNNN
- ADJUSTED MAGNETIC HHHHH

OR_0246E (va 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 16	BOUGUER DENSITY 2.20 g/cc	COURSE 200.5	DATE 2/27/90
BS90A-07			58
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:31: 7	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

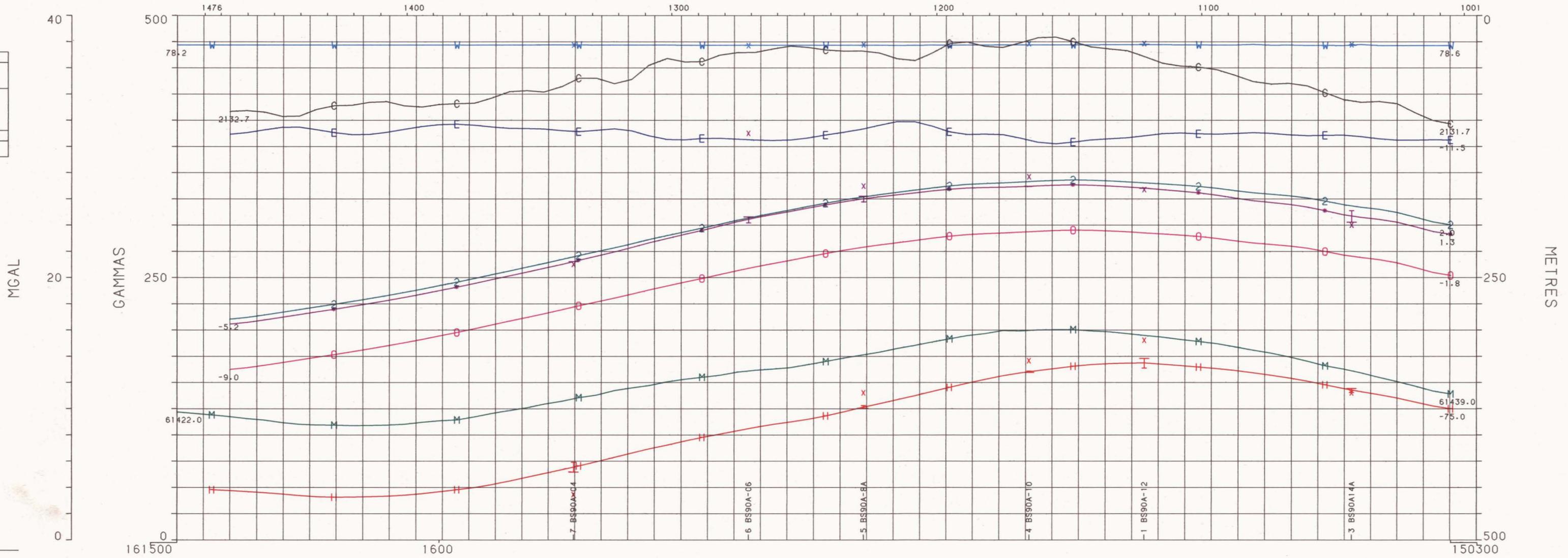
5 cm

247094

- RAW CORR GRAVITY o-o-o-o
- EOTVOS CORR. e-e-e-e
- FREE AIR GRAVITY o-o-o-o
- ADJUSTED WATER-M w-w-w-w
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD m-m-m-m
- ADJUSTED MAGNETIC h-h-h-h

OR_0246E (VOL 2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 17	BOUGUER DENSITY 2.20 g/cc	COURSE 22.5	DATE 2/27/90
BS90A-19			58
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:31:18	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

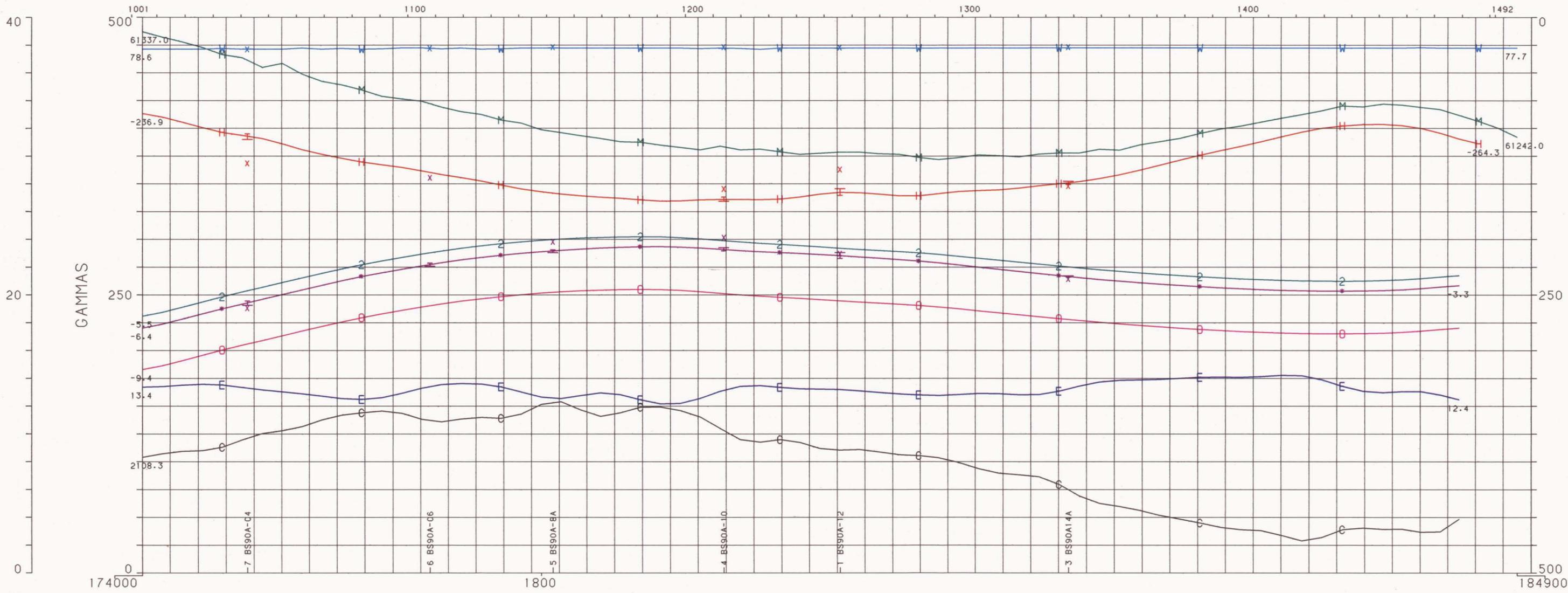
5 cm

247095

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. □□□□
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M W-W-W-W
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (va 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE	BOUQUET	COURSE	DATE
BS90A-03	2.20	20.4	2/28/90
BASS STRAIT T/14-P			
MARINE GRAVITY AND			
MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/4/90	25000	5/4/90	G 300
15:13:33		15:27:57	H 240

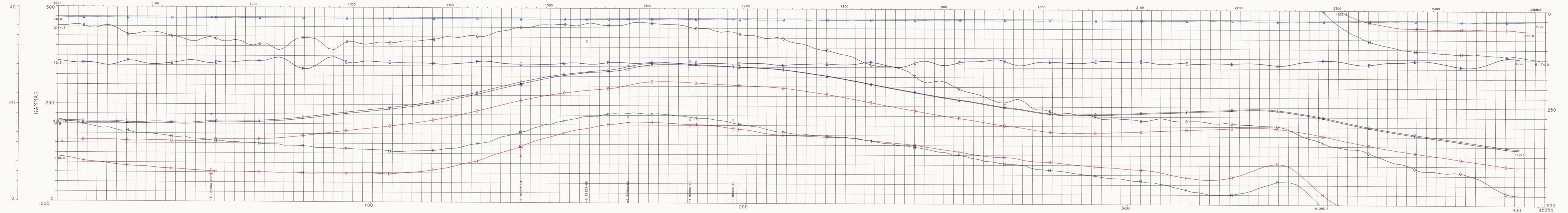
5 cm

247097

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEE
- FREE AIR GRAVITY ●●●●
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD MHHH
- ADJUSTED MAGNETIC HHHH

OR. 0246E (vol 2/2)

TIME →



METRES



SHELL AUSTRALIA, LTD.			
LINE	BOUGUER	COURSE	DATE
20	2.20	201.6	2/28/90
BS90A-11	6/cc		59
BASS STRAIT T/14-P			
MARINE GRAVITY AND			
MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/ 4/90	25000	15:27:57	C 300
15:31:46			M 240

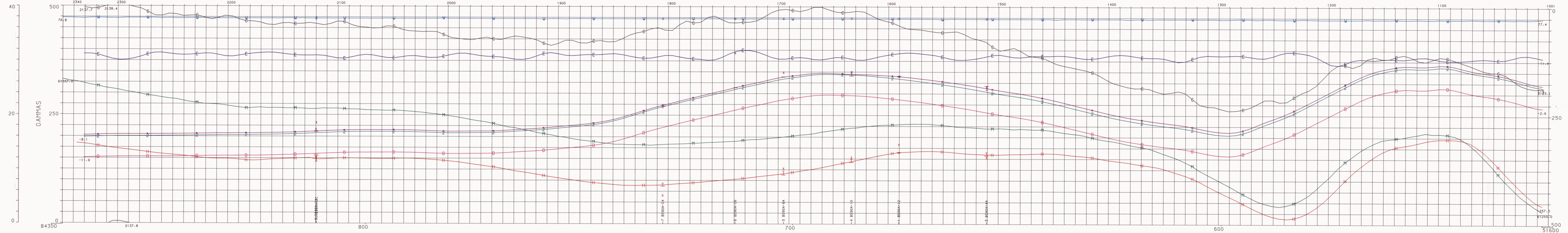
5 cm

247098

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (Vol 2/2)

TIME ←



METRES



SHELL AUSTRALIA, LTD.			
LINE 21	BOUGER DENSITY 2.20 g/cc	COURSE T/14-P	DATE 2/28/90
BS90A27A			59
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:31:58	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

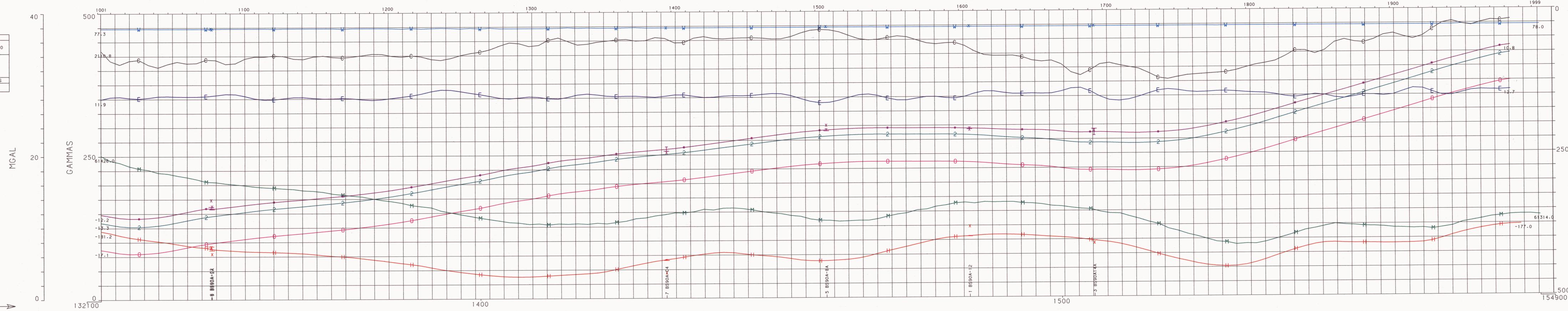
5 cm

247099

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M *****
- 2-D BOUG GRAVITY 22222
- ADJUSTED 2-D BOUG ●●●●●
- TOTAL FIELD NNNNN
- ADJUSTED MAGNETIC HHHHH

CR-0246E (vol 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 22	BOUGUER DENSITY 2.20	COURSE T/14-P	DATE 2/28/90
BS90A-23	6/CC	202.1	59
BASS STRAIT MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/4/90	SCALE 25000	FILE DATE 5/4/90	FILTERS G 600 M 240
15:32:7		15:27:57	

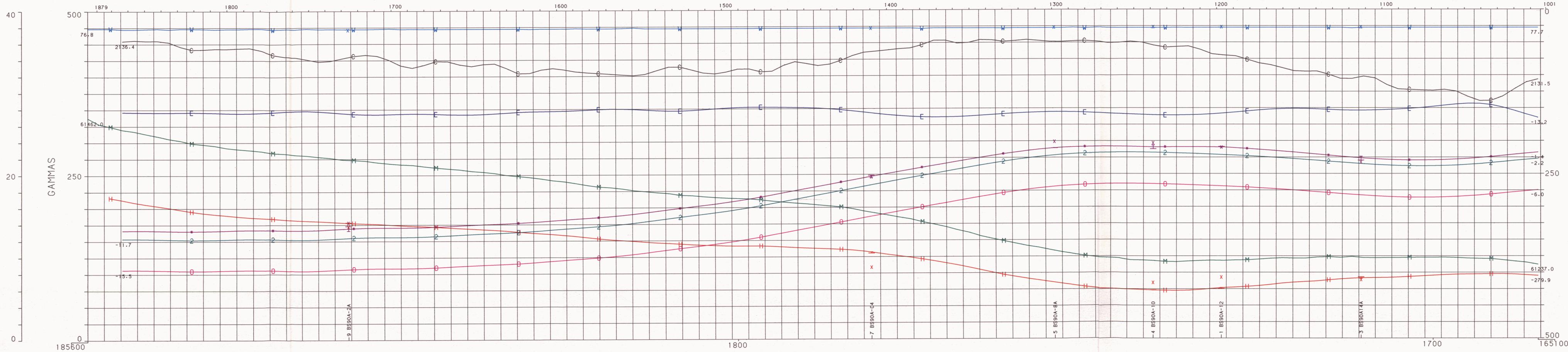
5 cm

247100

- RAW CORR GRAVITY o-o-o
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY o-o-o
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG - - -
- TOTAL FIELD M-M-M
- ADJUSTED MAGNETIC H-H-H

OR-0246E (vol 2/2)

TIME ←



METRES



SHELL AUSTRALIA, LTD.			
LINE 23	BOUGER DENSITY 2.20	COURSE T/14-P	DATE 2/28/90
BS90A-29	6/cc	22.5	59
BASS STRAIT MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/4/90	SCALE 25000	FILE DATE 5/4/90	FILTERS G 300 M 240
15:32:15		15:27:57	

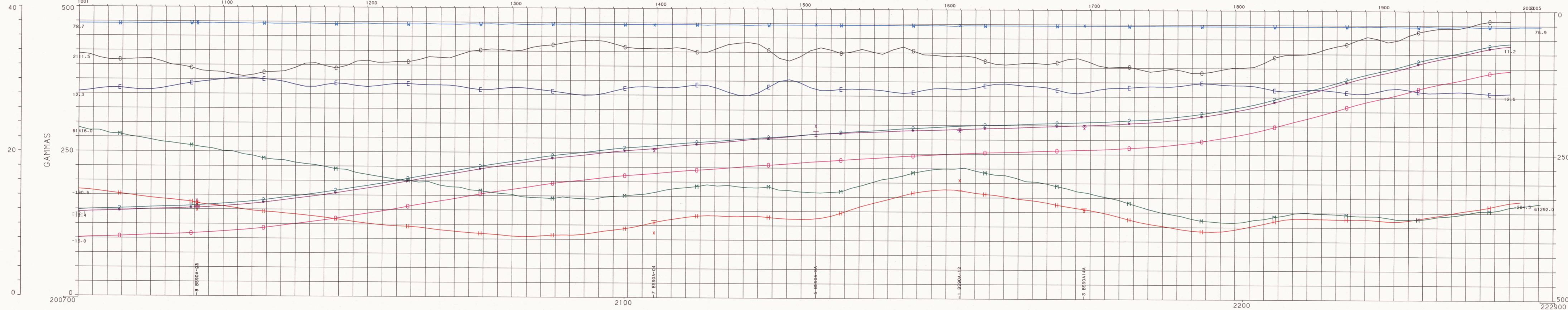
5 cm

247101

- RAW CORR GRAVITY o-o-o
- EOTVOS CORR. e-e-e
- FREE AIR GRAVITY o-o-o
- ADJUSTED WATER-M w-w-w
- 2-D BOUG GRAVITY z-z-z
- ADJUSTED 2-D BOUG z-z-z
- TOTAL FIELD m-m-m
- ADJUSTED MAGNETIC h-h-h

OR-0246E (1 of 2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 24 BS90A-25	BOUGER DENSITY 2.20 g/cc	COURSE 202.9	DATE 2/28/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:32:24	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS C 300 M 240

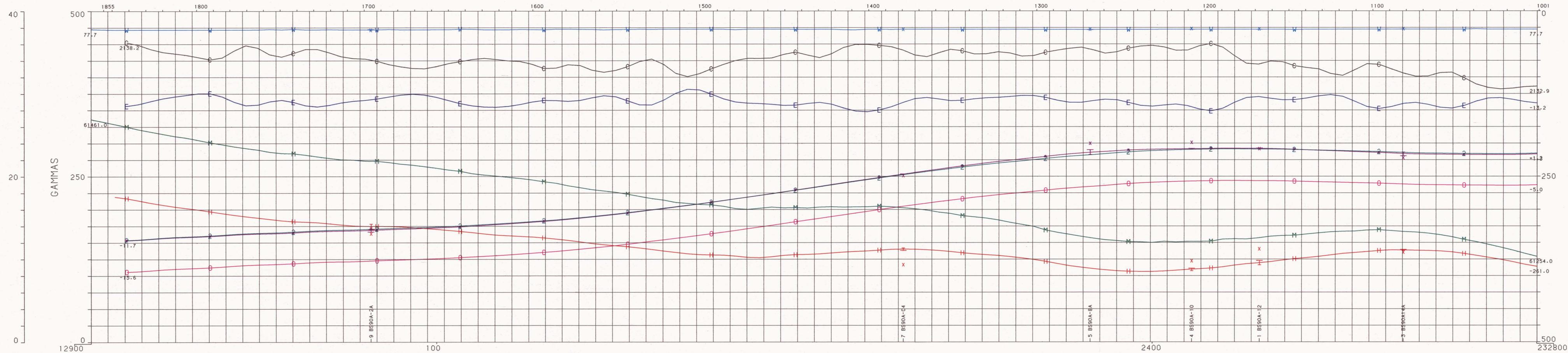
5 cm

247102

- RAW CORR GRAVITY ○-○-○
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY ○-○-○
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG ●-●-●
- TOTAL FIELD M-M-M
- ADJUSTED MAGNETIC H-H-H

OR. 0246E (vol 7/2)

TIME ←



METRES



SHELF AUSTRALIA, LTD.			
LINE	BOUGER	COURSE	DATE
25	22.2	7/14-P	3/1/90
BS90A-31	2.20 g/cc	22.2	60
BASS STRAIT T/14-P			
MARINE GRAVITY AND			
MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/4/90	25000	5/4/90	G 300
15132157		15127157	H 240

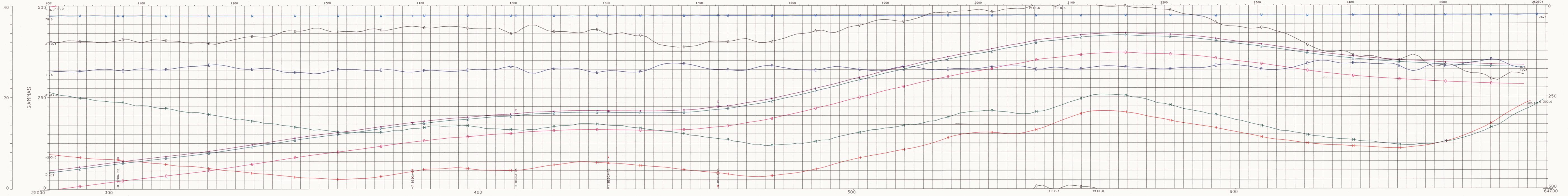
5 cm

247103

- RAW CORR GRAVITY ○-○-○
- EOTVOS CORR. E-E-E-E
- FREE AIR GRAVITY ○-○-○
- ADJUSTED WATER-M W-W-W-W
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG - - - -
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

OR-0246E (vol 2/2)

TIME →



METRES

500
64700



SHELL AUSTRALIA, LTD.			
LINE	BOUGUER	COURSE	DATE
BS90A-21	2.20	202.4	3/1/90
BASS STRAIT T/14-P			
MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/4/90	25000	5/4/90	G 300 M 240

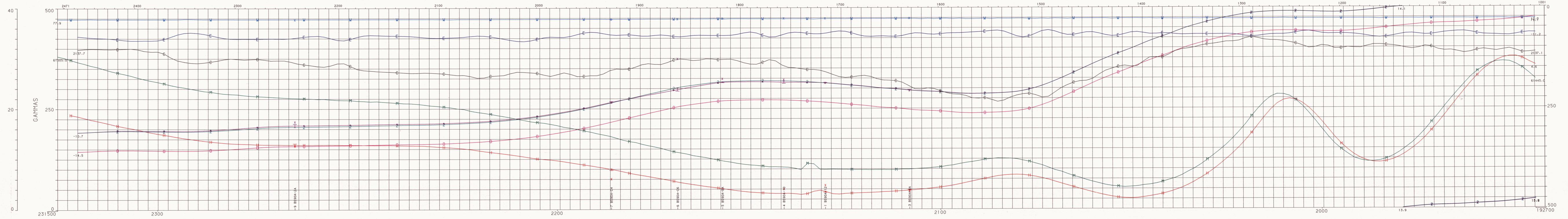
5 cm

247104

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG
- TOTAL FIELD HHHH
- ADJUSTED MAGNETIC HHHH

OR. 0246E (vol 2/2)

TIME ←



METRES



SHELL AUSTRALIA, LTD.			
LINE	BOUGER DENSITY	COURSE	DATE
BS90A-33	2.20 g/cc	21.9	3/ 2/90
BASS STRAIT T/14-P			
MARINE GRAVITY AND MAGNETIC SURVEY			
OFFSHORE AUSTRALIA			
DATE OF PLOT	SCALE	FILE DATE	FILTERS
5/ 4/90	25000	5/ 4/90	G 300
15:33: 3		15:27:57	M 240

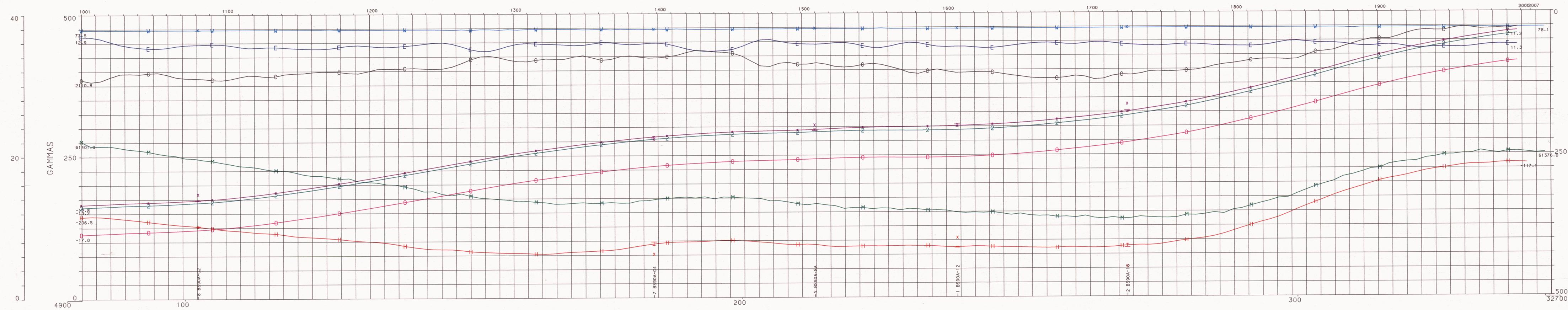
5 cm

247105

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEEE
- FREE AIR GRAVITY ●●●●
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2-2-2-2
- ADJUSTED 2-D BOUG —●—●—●—●—
- TOTAL FIELD M-M-M-M
- ADJUSTED MAGNETIC H-H-H-H

CR. 0246E (vol 2/2)

TIME →



METRES



SHELL AUSTRALIA, LTD.			
LINE 28	BOUGHER 2.20	COURSE T/14-P	DATE 3/ 2/90
BS90A-39	0/cc	202.9	61
BASS STRAIT MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90	SCALE 25000	FILE DATE 5/ 4/90	FILTERS G 300 M 240
15:33:12		15:27:57	

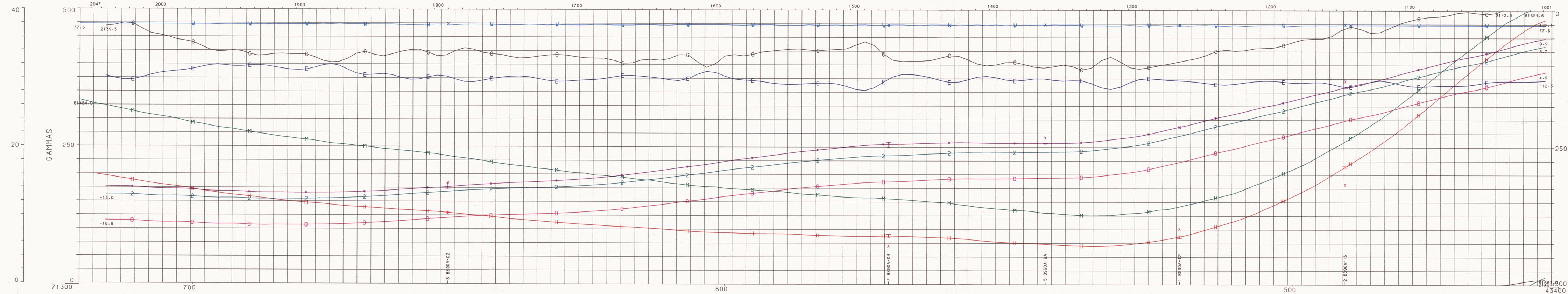
5 cm

247106

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. □□□□
- FREE AIR GRAVITY ●●●●
- ADJUSTED WATER-M ■■■■
- 2-D BOUG GRAVITY ▲▲▲▲
- ADJUSTED 2-D BOUG ◆◆◆◆
- TOTAL FIELD * * * *
- ADJUSTED MAGNETIC + + + +

CR-0246E (va 2/2)

TIME ←



METRES



SHELL AUSTRALIA, LTD.			
LINE 29 BS90A-35	BOUGUER DENSITY 2.20 g/cc	COURSE 22.2	DATE 3/ 2/90 61
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:33:22	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 480

5 cm

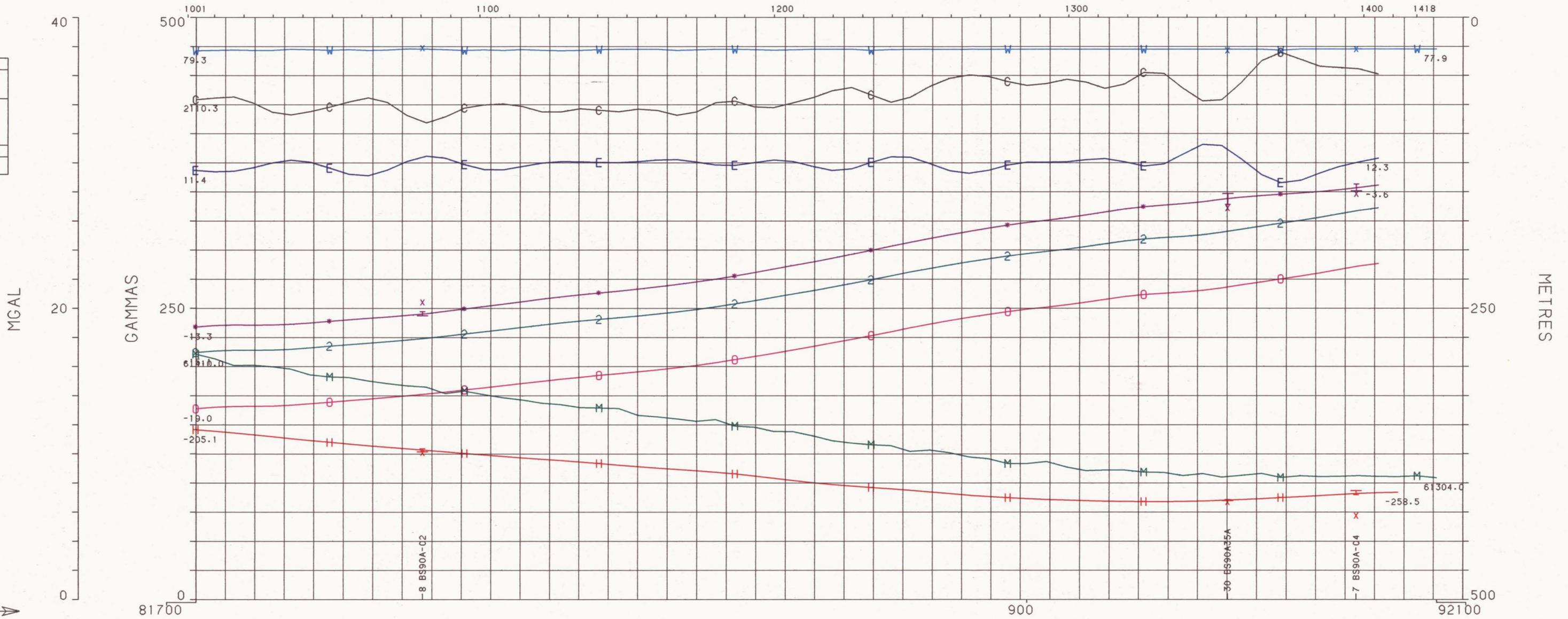
247107

RAW CORR GRAVITY
EOTVOS CORR.
FREE AIR GRAVITY
ADJUSTED WATER-M
2-D BOUG GRAVITY
ADJUSTED 2-D BOUG
TOTAL FIELD
ADJUSTED MAGNETIC

o-o-o
E-E-E
o-o-o
W-W-W
2-2-2
- - -
M-M-M
H-H-H

OR-0246E (VOL 2/E)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 30	BOUGUER DENSITY 2.20 g/cc	COURSE 22.2	DATE 3/ 2/90
BS90A35A			61
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:33:27	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 240

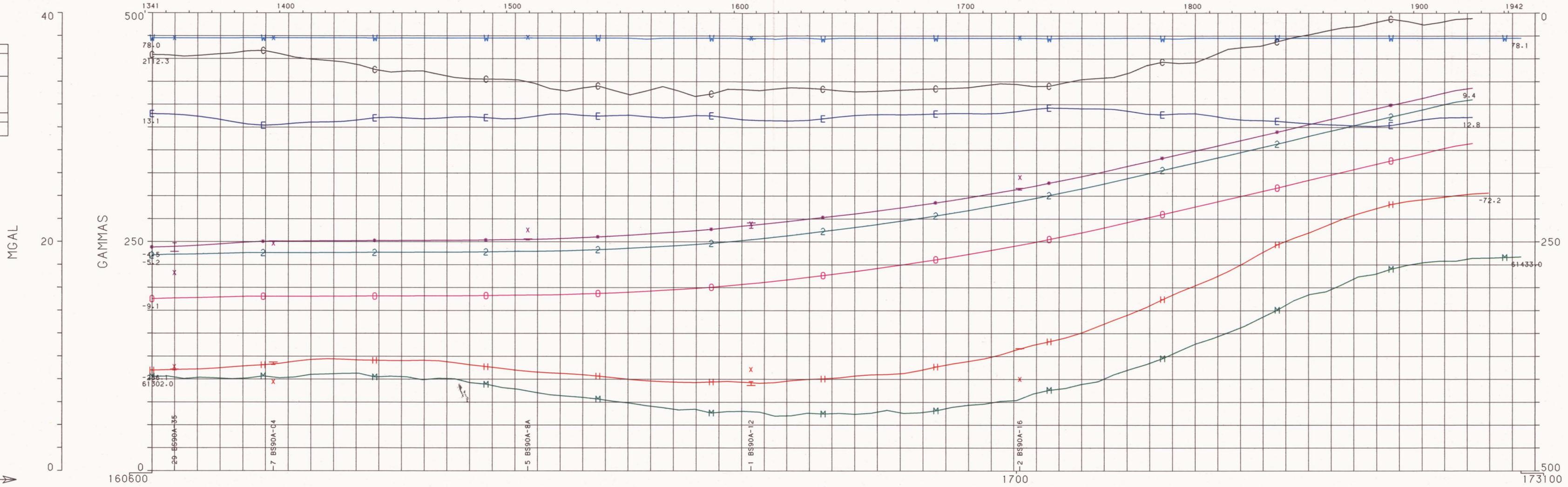
5 cm

247108

- RAW CORR GRAVITY ○○○○
- EOTVOS CORR. EEEE
- FREE AIR GRAVITY ○○○○
- ADJUSTED WATER-M WWWW
- 2-D BOUG GRAVITY 2222
- ADJUSTED 2-D BOUG ●●●●
- TOTAL FIELD M M M M
- ADJUSTED MAGNETIC H H H H

OR. 0246E (vol 2/2)

TIME →





SHELL AUSTRALIA, LTD.			
LINE 31 BS90A-41	BOUGER DENSITY 2.20 g/cc	COURSE 202-8 BASS STRAIT T/14-P	DATE 3/ 2/90 61
MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:33:34	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS C 300 M 240

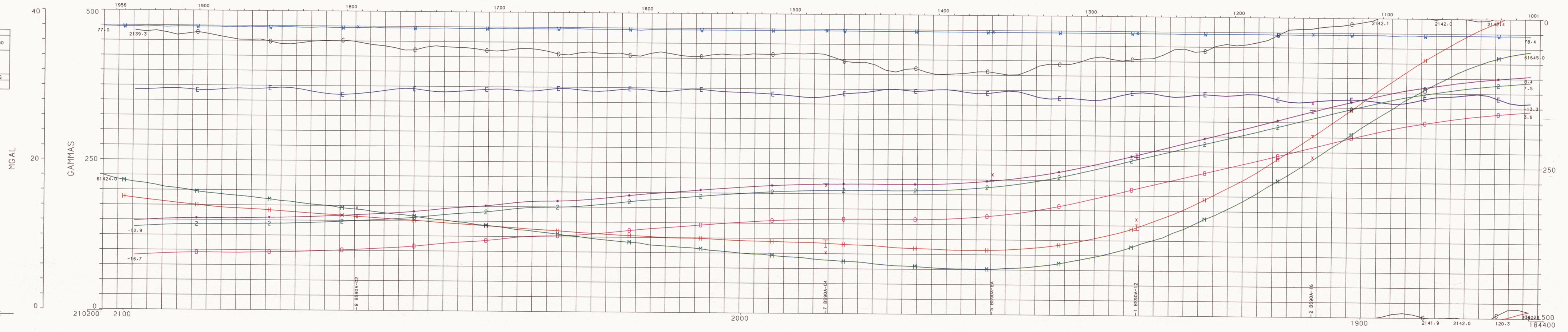
5 cm

247109

- RAW CORR GRAVITY o-o-o
- EOTVOS CORR. e-e-e
- FREE AIR GRAVITY o-o-o
- ADJUSTED WATER-M w-w-w
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG - - -
- TOTAL FIELD m-m-m
- ADJUSTED MAGNETIC h-h-h

OR-0246E (VOL 72)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 33	BOUGER DENSITY 2.20 g/cc	COURSE 202-2	DATE 3/ 3/90
BS90A-43	BASS STRAIT T/14-P	MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA	62
DATE OF PLOT 5/ 4/90 15:33:51	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS C 300 M 480

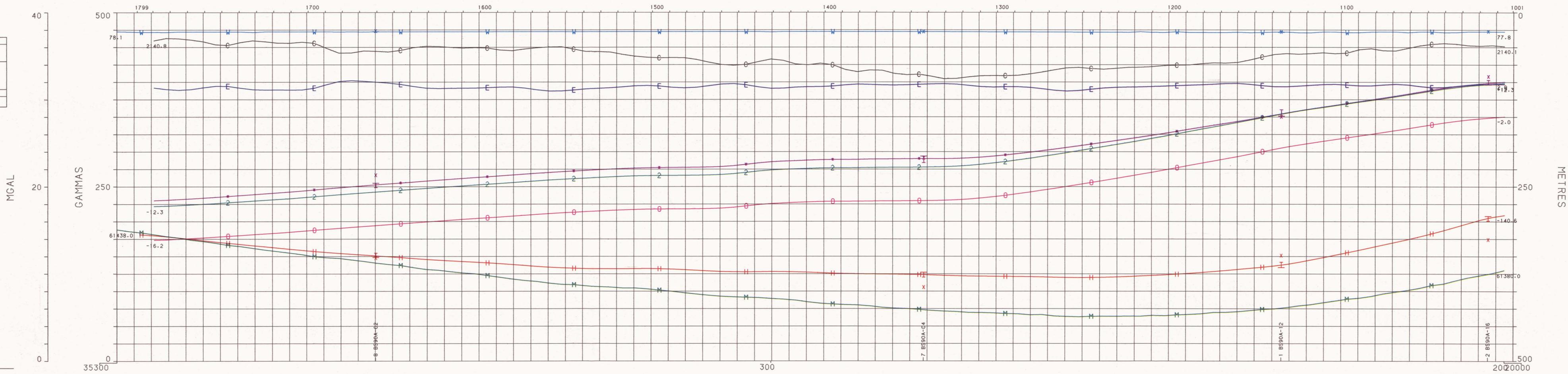
5 cm

247111

- RAW CORR GRAVITY 0-0-0
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY O-O-O
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG 2-2-2
- TOTAL FIELD H-H-H
- ADJUSTED MAGNETIC H-H-H

CR. 0246E (Vol 2/2)

TIME ←





SHELL AUSTRALIA, LTD.			
LINE 34	BOUGUER DENSITY 2.20	COURSE 22.4	DATE 3/ 3/90
BASS STRAIT T/14-P MARINE GRAVITY AND MAGNETIC SURVEY OFFSHORE AUSTRALIA			
DATE OF PLOT 5/ 4/90 15:33:59	SCALE 25000	FILE DATE 5/ 4/90 15:27:57	FILTERS G 300 M 480

5 cm

247112

- RAW CORR GRAVITY o-o-o
- EOTVOS CORR. E-E-E
- FREE AIR GRAVITY o-o-o
- ADJUSTED WATER-M W-W-W
- 2-D BOUG GRAVITY 2-2-2
- ADJUSTED 2-D BOUG - - -
- TOTAL FIELD M-M-M
- ADJUSTED MAGNETIC H-H-H

OR-0246E (VOL 2/2)

TIME →

