PROCESSING OF SHIPBORNE GRAVITY AND MAGNETIC DATA BASS STRAIT AUSTRALIA

FOR

AMOCO AUSTRALIA PETROLEUM COMPANY

DATA ACQUISITION CONTRACTOR:

GEOPHYSICAL SERVICE INC.

EDCON, INC.

DENVER, COLORADO

MARCH 1985

150002

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(Submitted under separate cover)

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I. INTRODUCTION

This report describes the procedures and results for the processing of marine gravity and magnetic data acquired by GEOPHYSICAL SERVICE, INC. for AMOCO AUSTRALIA PETROLEUM COMPANY in Bass Strait, Australia. All data necessary to complete the processing were received in EDCON's office on February 8, 1985. Final profiles and maps were sent to AMOCO PRODUCTION COMPANY (INTERNATIONAL) on March 19, 1985.

This project was completed under EDCON's job reference number 8503 and reference to this number in any subsequent communications regarding this project would aid in receiving a quick reply.

INDEX MAP

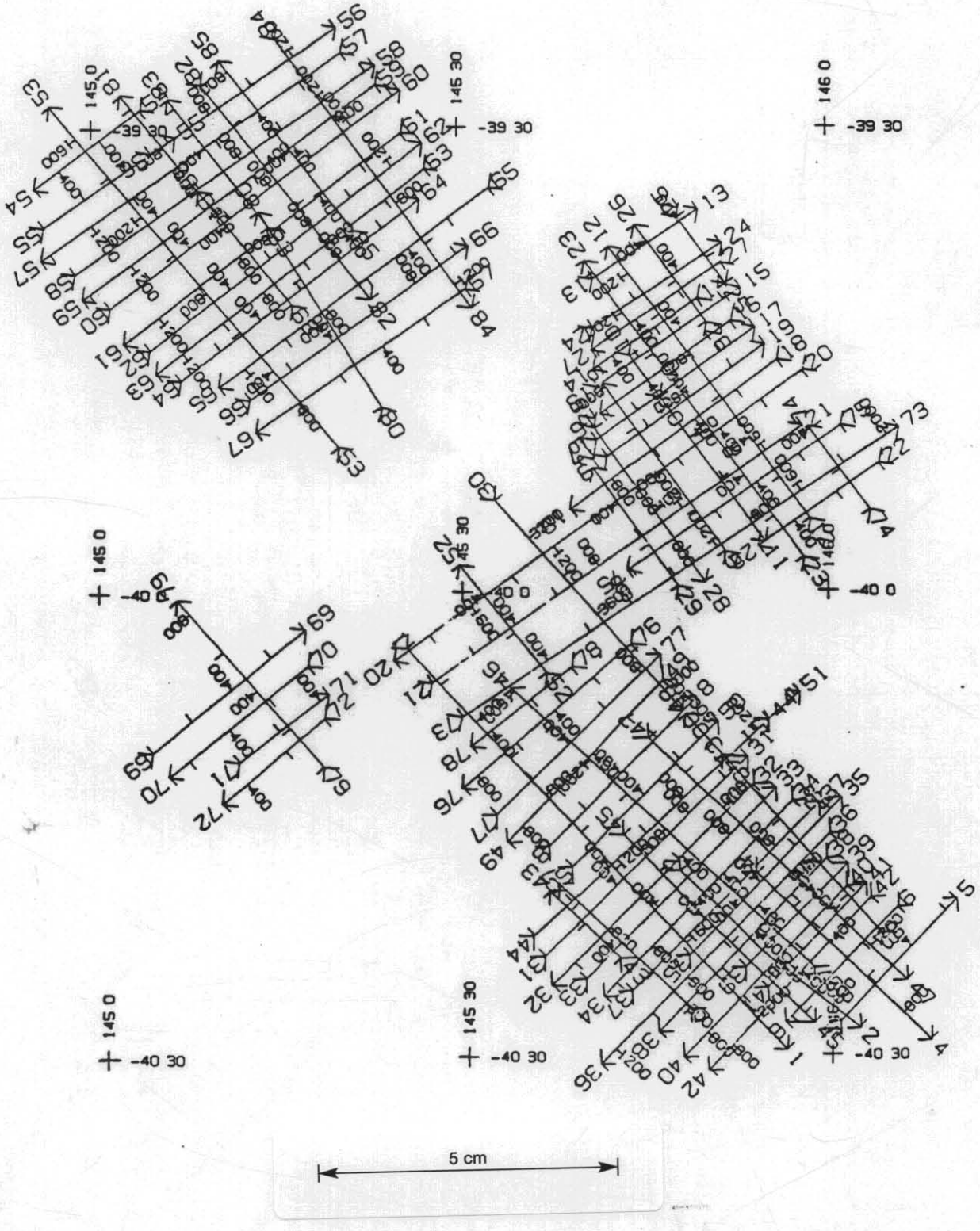


FIGURE 1

II. DATA ACQUISITION

A. General

Shipborne gravity and magnetic data were acquired simultaneously with marine seismic data aboard the M/V Mc Dermott II during the period of November 18 through December 16, 1984. 2382.8 km of gravity, 2382.8 km of bathymetry, 2382.8 km of magnetic data and 2236.4 (equivalent) km of Basemag data were processed. The acquisition and navigation contractor was Geophysical Service, Inc.

B. Instrumentation

1. Gravity Meter

LaCoste and Romberg Air Sea Gravity Meter S-60 was used for the survey. Meter S-60 has a calibration factor of 0.9915 mgal/counter unit. The filter setting used during the survey is approximately equivalent to seven stages of 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 survey. LaCoste and Romberg gravity meters characteristically have a drift rate of approximately 1 mgal/month.

2. Magnetometer

A GeoMetrics G-803 proton precession marine magnetometer was used throughout the survey for the acquisition of magnetic data. The magnetometer sensor was towed 264 meters behind the

boat. The magnetometer was operated at a sensitivity of one gamma.

3. Fathometer

A Simrad Model EA depth sounding system with digital output was used for the acquisition of water depth data.

4. Magnetic Base Station Monitor

Base magnetometer information was provided in the form of Hewlett-Packard data tapes. Analog paper tapes were provided for 21 of the 28 magnetic tapes. Base magnetometer data were acquired between November 15 and December 17, 1984. All base station magnetic data were of acceptable quality. The location of the base station could not be determined in time for processing the data. A value of 61,950 gammas was removed from the base station data to approximate the IGRF prior to the diurnal correction.

5. Navigation System

An Arco navigation system was used as the primary navigation system for the survey, with Syledis used as a secondary system. Positions were obtained on the Australian spheroid. The final processed navigation data were satisfactory for the processing of gravity and magnetic data.

III. DESCRIPTION OF DATA

A. General

Gravity and magnetic data were collected in both digital and analog form. Bathymetric data were recovered primarily in digital form. A few fathometer charts were supplied and used to check the digital bathymetric data. Basemag was received on Hewlett-Packard data tapes. Geophysical Service, Inc. provided EDCON with tapes containing edited and processed navigation data. The following summarizes the recoverable data:

Data Type	Digital Data	Analogs Digitized	Unrecoverable	Recovered
Gravity	2382.8 km	0 km	0 km	2382.8 km
Magnetics	2382.8 km	0 km	0 km	2382.8 km
Water Depth	2073.8 km	309.0 km	0 km	2382.8 km
Basemag	2236.4 km (equivalent)	0 km	146.5 km	2236.4 km

B. Gravity Analog Records

1. Beam Records

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 ten counter units or approximately one inch to ten milligals.

b. The blue trace is spring tension at a scale of one inch to ten counter units. Occasionally, the operator changes an output switch and records the beam motion on this trace.

c. The red trace is ordinarily total cross-coupling at a scale of one inch to ten counter units. The center line of the recorder corresponds to zero cross-coupling. Readings less than fifty are negative corrections, and readings greater than fifty are positive corrections The strip chart recorder channel showing cross-coupling was turned off during most of the surveys.

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 ten counter units. The center line of the recorder corresponds to zero total correction. Readings less than fifty are positive corrections.

2. Horizontal Accelerometer Records

Cross and long horizontal accelerations are recorded on separate recorders. "Cross" refers to a direction perpendicular to the long axis of the ship and "long" refers to a direction parallel to the long axis of the ship. The records are diagnostic of proper stabilized platform operation and indicate the severity of the ship's motion.

C. Magnetometer Records

The analog magnetometer records are plotted on charts that are ten cm wide, at a vertical scale of ten gammas per cm. The horizontal scale was approximately 1 minute per cm. The absolute value of the magnetic field is marked infrequently on the chart records, which made checking difficult and time consuming.

D. Bathymetry Data

Water depth was checked with fathometer charts. The data had many errors, which required either editing or digitizing from the analog records. Many spikes were removed from the data.

E. Navigation Data

The final navigation tape for Bass Strait, Australia, arrived January 28, 1985. The navigation data were checked and found to be acceptable.

F. Comments

A major problem was encountered during this survey. The high bits were not recorded on the gravity tape. This caused all eights to appear as zeroes and nines as ones in both the gravity and time data.

Times and gravity values were corrected by using field notes, analogs and tapes provided by Austin Exploration Company on February 8, 1985.

Correct time was determined by finding the start and end records of a line, counting the number of samples required, and checking for ten second intervals throughout the line. The data were then resampled at sixty second intervals, eights and nines were replaced in the gravity channel when necessary and checked to make sure the values coincided with the corrected times.

It was not possible to edit the monitor channels, consequently no cross-correlation could be made.

IV. GRAVITY AND MAGNETIC DATA PROCESSING

A. Reduction Procedure

LaCoste and Romberg stable platform shipborne gravity meter S-60 was used for the acquisition of all gravity data on this survey. The meter calibration factor of .9915 milligal/meter unit was applied to the output of the gravity meter to convert meter units to milligals. The time delay of the gravity meter, which is three minutes for long periods, was corrected by the application of an inverse RC filter that corrects distorted amplitudes and phases for periods longer than four minutes; no attempt was made to recover periods shorter than four minutes.

The processed data discussed below represent one minute samples of the observed data. In the case of digital data recorded more frequently than one minute, anti-aliasing sampling filters were applied. A base constant was computed and subtracted from the observed gravity meter values in order to tie the gravity survey to an absolute gravity datum. Corrections were made for the Eotvos effect, and the latitude corrections were made based on the 1967 Geodetic Reference System, which is:

$$G_{theoretical} = 978031.85\ (1.0 + 0.0052789\ SIN^2\phi - 0.00002347\ SIN^4\phi)$$

ϕ = latitude

A Bouguer density correction of 2.00 gm/cm^3 was used in computing the Bouguer correction.

The magnetic data were corrected for the towing offset of the magnetometer sensor and for the earth's normal field. The 1980 IGRF formula, updated to the survey dates, for the earth's normal magnetic field was computed at every one minute sample point and subtracted from the observed magnetic value. The 1980 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.

B. 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 cross correlation procedure. Because even 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.

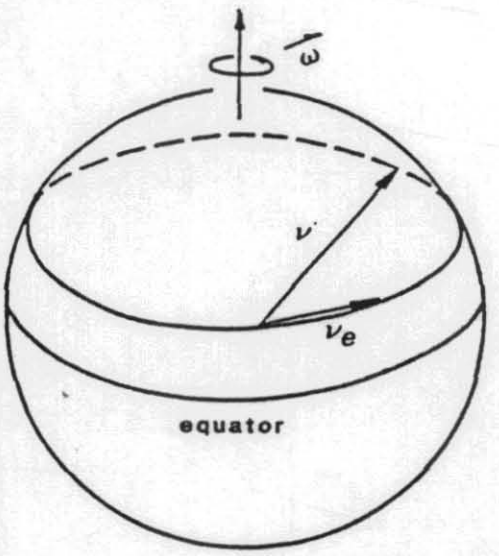
An Eotvos correction is determined such that the correlation between the correction and the final corrected gravity is minimized. This correlating process helps to assure that real anomalies induced by the Eotvos effect are removed and that false

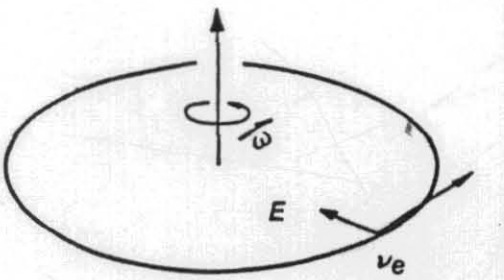
anomalies inferred from the unfiltered calculated Eotvos correction are disregarded to the maximum extent possible. The Eotvos correction that has been applied to the observed gravity is plotted on every profile. The purpose of displaying the Eotvos correction on the profile is to call attention to possible 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 suggests 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 cross correlation 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

(a)





$$E = 2\ \vec{\omega} \times \vec{\nu}_e + \frac{\nu^2}{R} \qquad \underline{OR}$$

$$E \cong 7.5\ \nu \cos\phi\ \sin\theta \quad \text{MGAL} \ldots\ldots\ldots\ldots\ldots \text{I}$$

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

When $\theta = 90°$, Equation (I) becomes: $\frac{E}{\nu} \cong 7.5 \cos\phi$ mgal/knots.....II

(b)

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

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

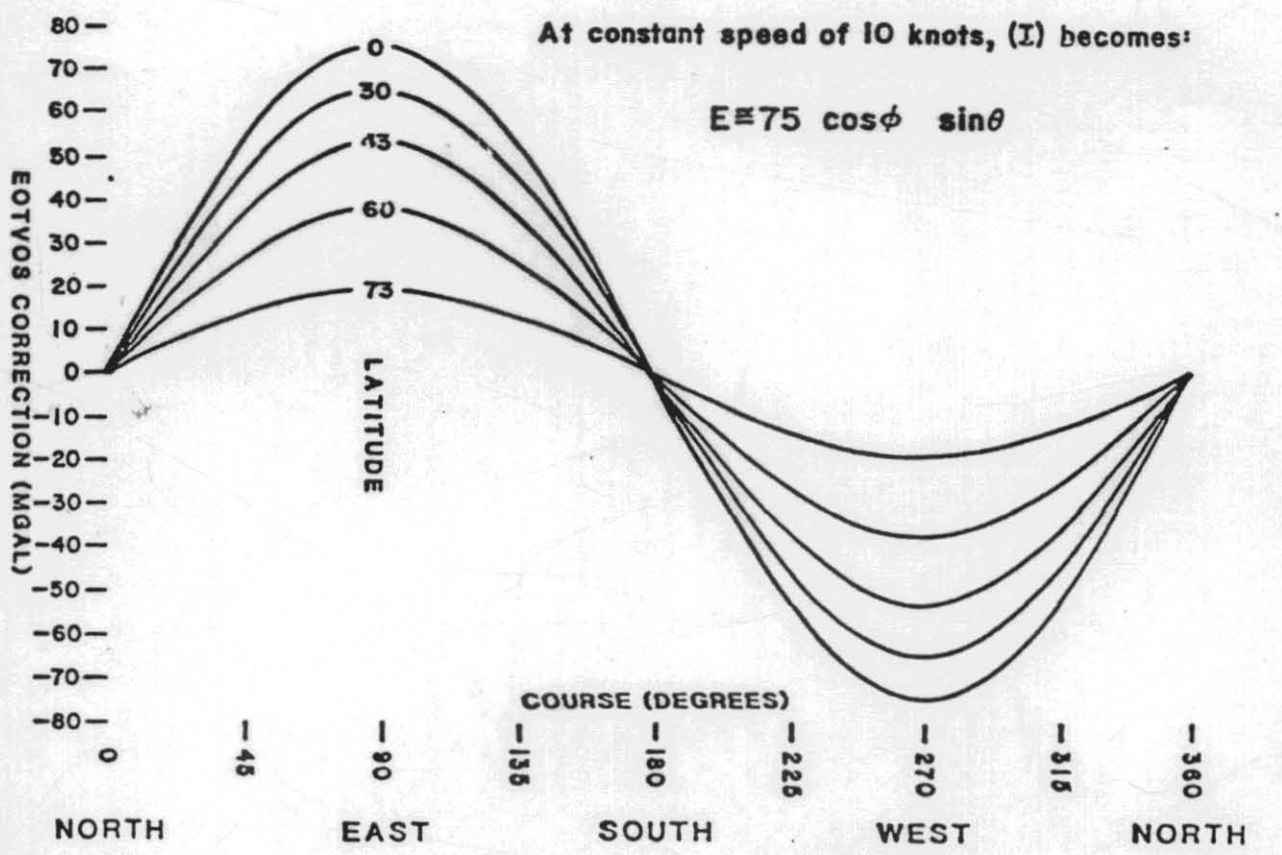


FIGURE 2

5 cm

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 change in course and are relatively insensitive to speed changes.

C. Removal of Diurnal Variations

Any point on the surface of the earth is subject to continuous daily magnetic fluctuations associated with solar wind and electrical storms. During the survey, these variations were monitored on the base magnetometer. To improve survey accuracy, the variations were removed from lines which diurnal variations could be identified by a proprietary cross-correlation technique. This technique allows for the distance between the base station and the ship and for susceptibility contrasts caused by the base magnetometer being situated over material of different susceptibility to that over which the ship passes at any given point.

The diurnal correction is determined such that the correlation between the correction and the final corrected magnetics is minimized. This process helps to ensure that genuine anomalies are unaffected.

The following lines have the diurnal variation removed:

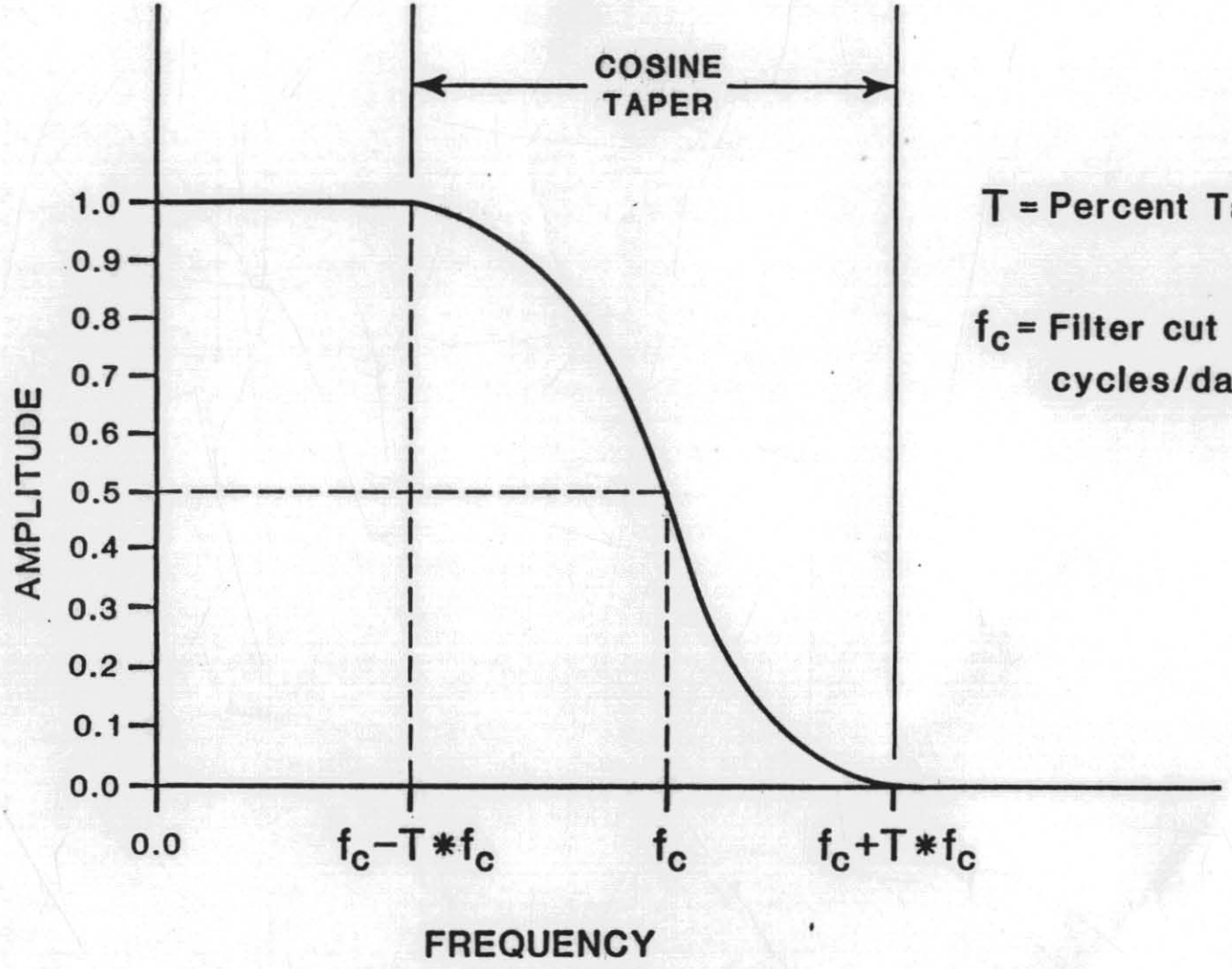
7	34	44	58
8	36	45	59
18	37	46	69
24	40	47	70
28	41	49	77
32	42	55	78
33	43	57	84
			85

D. Filtering

Final filters for each gravity line are 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, "G 600, M 120". The numbers indicate the filter cut-off period in seconds for gravity and magnetics, respectively. The filters 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 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 for a one minute data interval, is that all wavelengths shorter than 6.67 minutes are attenuated and wavelengths 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 side lobes in the data as shown on Figure 4.

FILTER FREQUENCY RESPONSE



T = Percent Taper $0 \leq T \leq 1.0$

f_c = Filter cut frequency in cycles/data interval.

FIGURE 3

5 cm

UNIT-IMPULSE RESPONSE FOR 50 PERCENT TAPERED FILTER

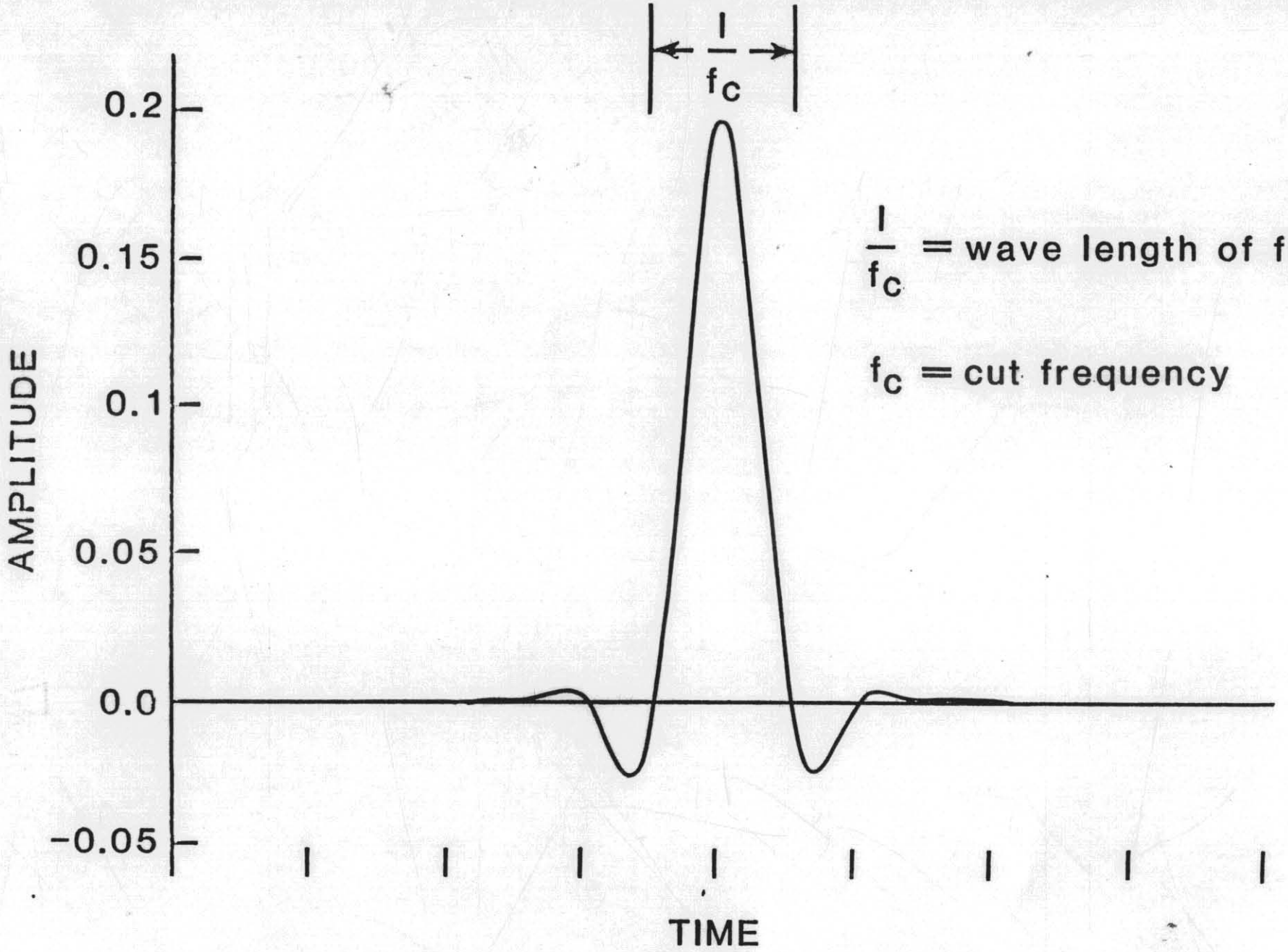


FIGURE 4

E. Gravity Meter Base Constant and Meter Drift

The gravity survey data were not tied to an absolute gravity value. The most recent tie to any absolute gravity value which could be determined was made at LaCoste and Romberg, Austin, Texas on November 12, 1980. At that time the gravity meter reading was 10,741 counter units. The absolute gravity value at LaCoste and Romberg is 979,285 Milligals.

The base constant was established at the equator using the theoretical gravity attraction for the equator from the 1967 gravity formula and the following relation:

Base Constant = (meter reading at Austin * calibration factor) - (absolute gravity at Austin - theoretical gravity at equator).

10,649.70 = (10741 * 0.9915) - (979,285.0 - 978,031.8).

Three still readings were taken at Devonport, Tasmania, as shown in the following table.

GRAVITY STILL READINGS

DATE	LOCATION		STILL READING
November 17, 1984	41°11'13.5"S	146°21'40"E	11,344.1
December 12, 1984	41°11'01.45"S	146°21'41.42E	11,335.1
December 17, 1984	41°11'14.66"S	146°21'41.96E	11,334.5

These readings indicate a drift rate of approximately .357 milligal per day between the dates of November 17 and December 12, 1984, and .118 milligal per day between December 12, and December 17, 1984.

A drift rate of .118 milligal per day was used for the time between November 12, 1980, (the last time the meter was at LaCoste and Romberg, Austin, Texas) and November 17, 1984, then added to the base constant.

F. Magnetic Data

The total magnetic intensity is the observed magnetics, less the Earth's normal field. The normal field is represented using the 1980 International Geomagnetic Reference Field (IGRF) updated to the survey dates. The 1980 IGRF is an eighth order spherical harmonic function of location and time. The magnetic data were corrected for the towing offset of the sensor.

A study of the statistical adjustments of the magnetic data suggest that the heading effect may be a part of the observed mistie errors. The following table was computed to study the heading effect of the ship.

Average Course	Number of Samples (lines)	Mean Systematic Adjustment (gammas)	Mean Standard Deviation
N 353°	26	13.98	.5665
S 183°	22	-12.602	.5231
E 67°	16	44.071	.9164
W 244°	21	-40.625	.5705

Based upon the above statistics, there may be a bias which is dependent on heading; however, most if not all of the error is removed in the adjustment report in Appendix III.

G. Description of Profile Annotation

1. In the lower margin of the profiles, time is displayed.
2. Along the upper margin of the profiles, shotpoint numbers are displayed.
3. At the bottom of the profile inside the margin, the number plotted parallel to the Y-axis shows the location of the line intersections.
4. 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.
5. 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.

V. NETWORK ANALYSIS

Statistical treatment of the gravity and magnetic 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. For a profile synopsis of adjustments, see Figure 6.

A similar procedure is followed in adjusting magnetic misties. Intersection and adjustment statistics for gravity and magnetic data are given in Appendices II and III. In addition, intersection statistics for 2-D Bouguer gravity are graphically displayed on each profile. The symbols for these graphical statistics are explained in Section IV F., Description of Profile Annotation.

DESCRIPTION OF ADJUSTMENT BARS AS SHOWN ON PROFILES

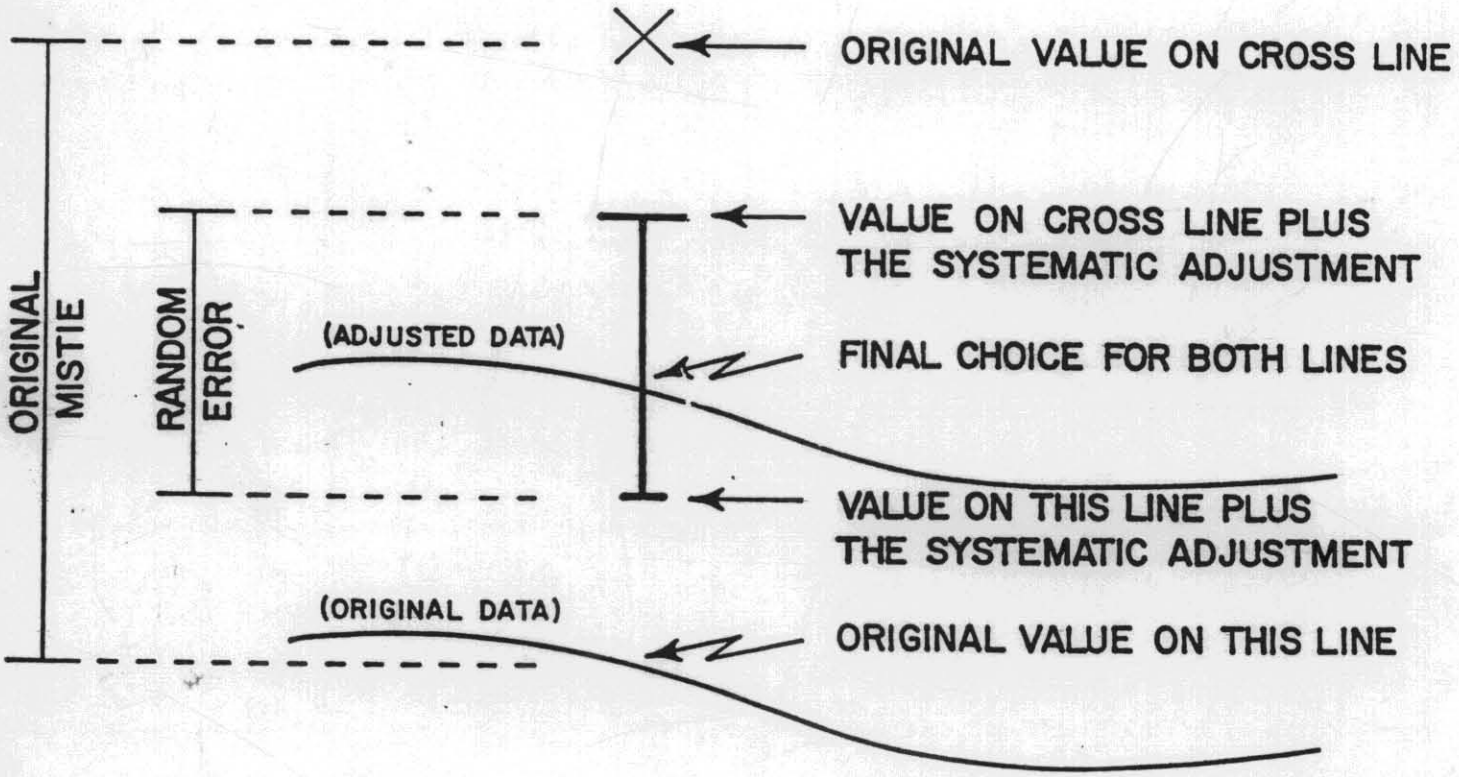


FIGURE 5

VI. DATA ACCURACY

Data quality on this survey is acceptable. Complete statistical information has been tabulated and is included in Appendix II and Appendix III.

The survey intersection statistics given in the Appendices are indicative of survey quality and data accuracy. However, the statistics are dependent on a number of factors, 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.

In the case of this survey, there are three networks:

Network 1

This network has 58 lines with 398 intersections, 76 percent of which have 4 or more intersections. The intersection statistics indicate that

on the average, the 2-D Bouguer gravity has a mistie before systematic adjustment of 2.54 milligals. After adjustment for systematic errors, the average intersection mistie, or mean random scatter, is reduced to .539 milligal. In the case of the magnetic data, the mean random scatter is 6.443 gammas. After systematic adjustment, the mean random scatter is 3.653 gammas.

Network 2

This network has 22 lines with 132 intersections, 82 percent of which have 4 or more intersections. The intersection statistics indicates that, on the average, the 2-D Bouguer gravity has a mistie before systematic adjustment of 2613 milligals. After adjustment for systematic errors, the average intersection mistie is reduced to .605 milligals. In the case of the magnetics, the mean random scatter is 7.938 gammas. After systematic adjustment, the mean random scatter is 2.897 gammas.

Network 3

This network has only 5 lines with 8 intersections. All lines except line 79 in this network have only one intersection. (Line 79 has 4 intersections).

The intersection statistics indicates that, on the average, the 2-D Bouguer has a mistie before systematic adjustment of 1.119 milligals. After adjustment for systematic errors, the average intersection mistie is reduced to .001 milligal. In the case of the magnetics, the mean

random scatter is 8.147 gammas. After systematic adjustment, the mean scatter is .002 gamma. Owing to the few intersections in this network, the statistics are not statistically reliable.

Figures 6 through 9 are histograms displaying the adjusted and unadjusted intersection misties for Bouguer Gravity, Free-Air Gravity, Diurnally corrected Total Magnetic Intensity and Total Magnetic Intensity. The figures clearly indicated a reduction in the amount of mistie after systematic adjustment.

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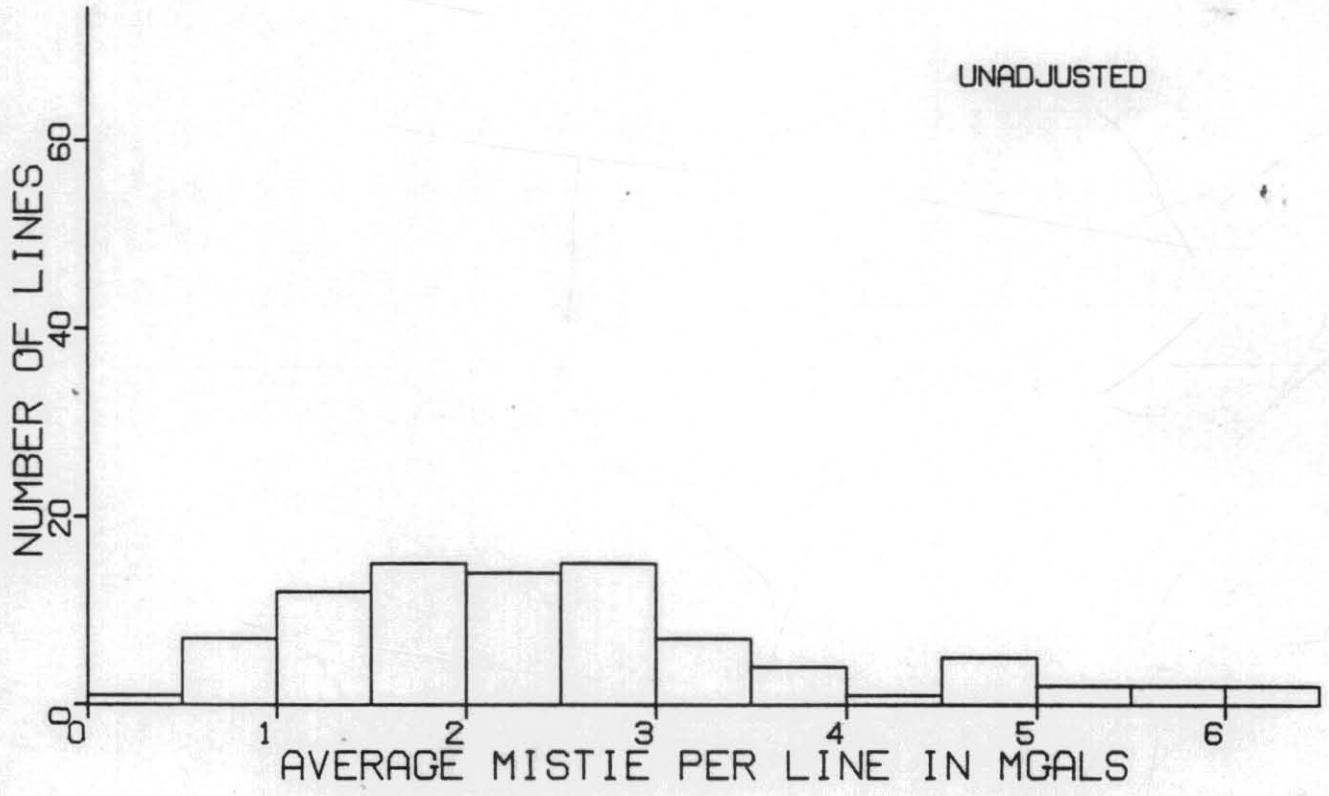

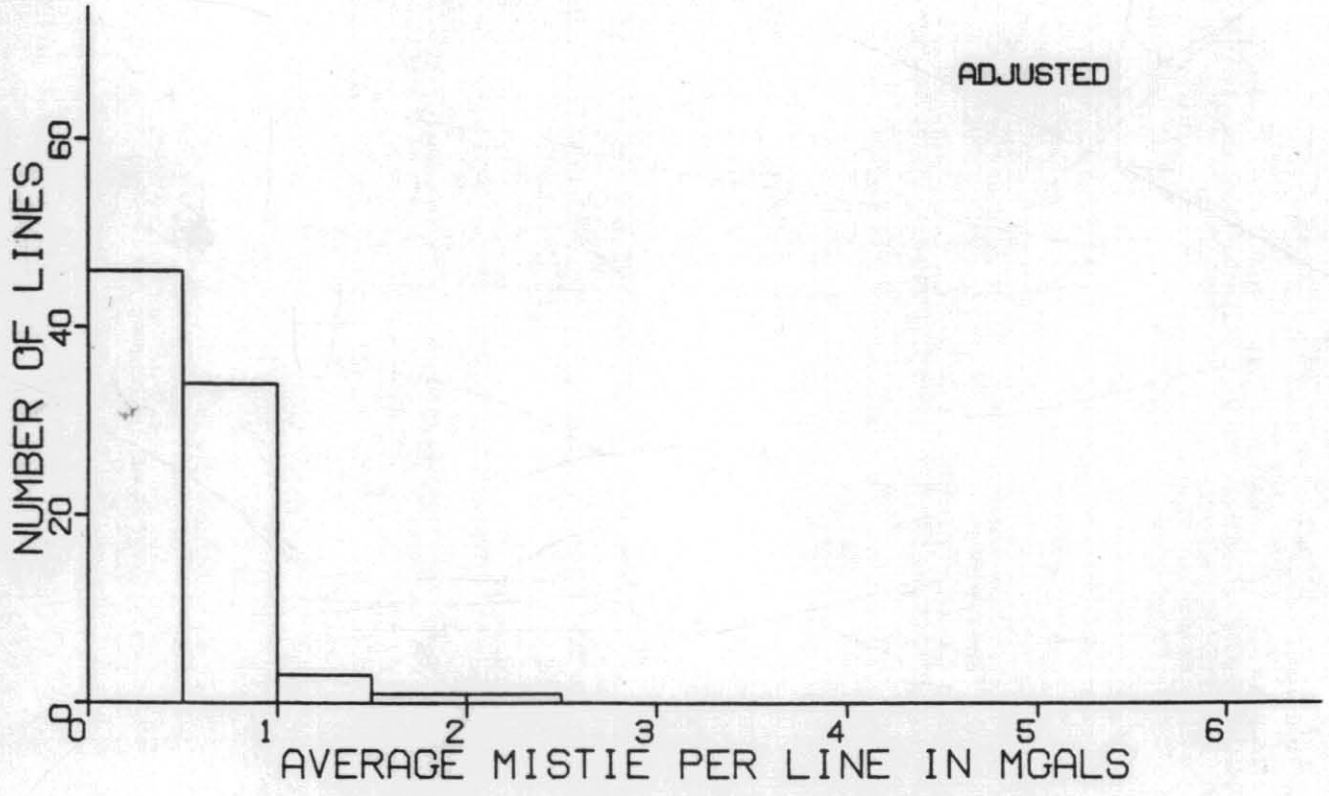

2-D BOUGUER GRAVITY

DISTRIBUTION OF THE AVERAGE MISTIE PER LINE
BEFORE AND AFTER SYSTEMATIC ADJUSTMENT

FIGURE 6

5 cm

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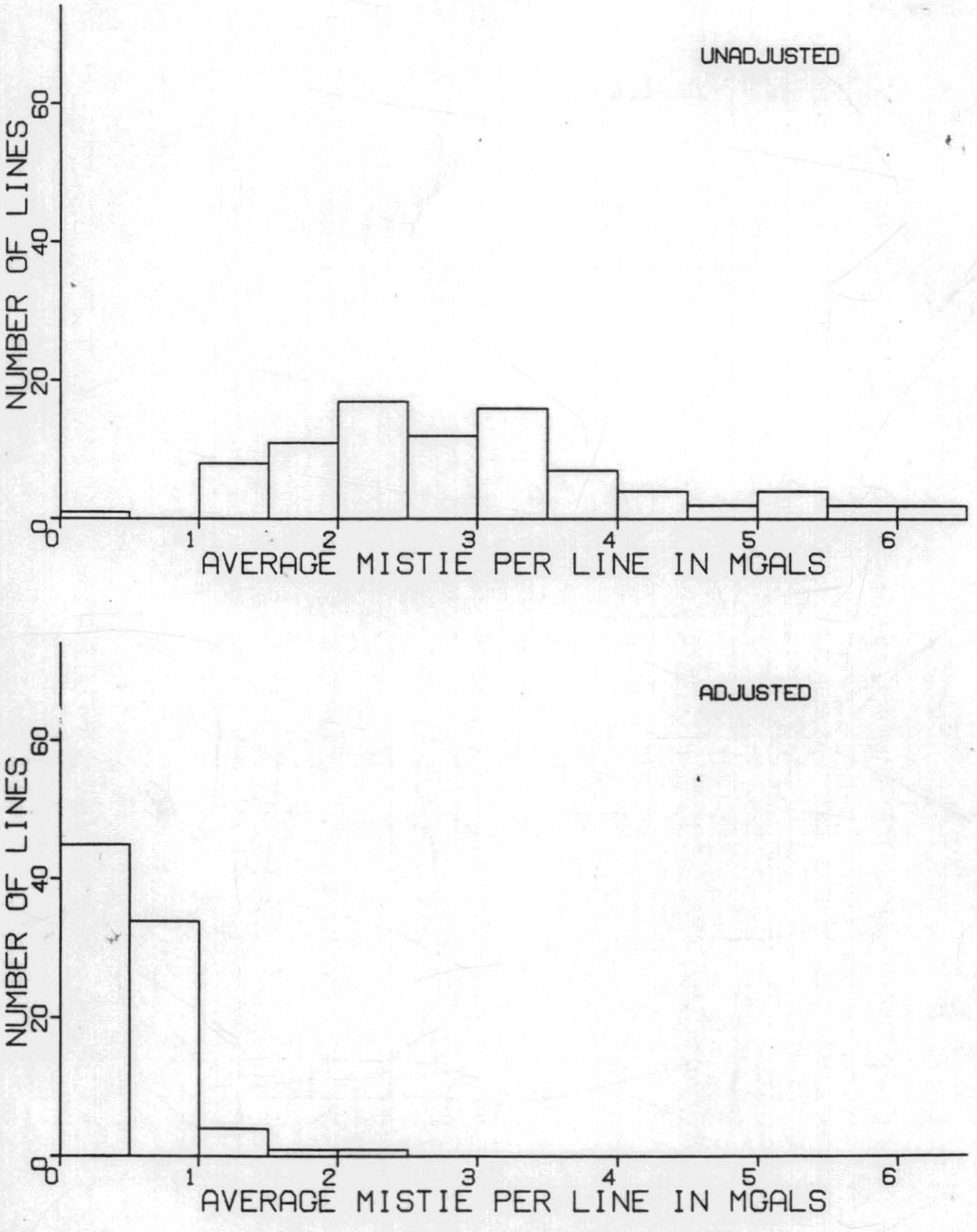
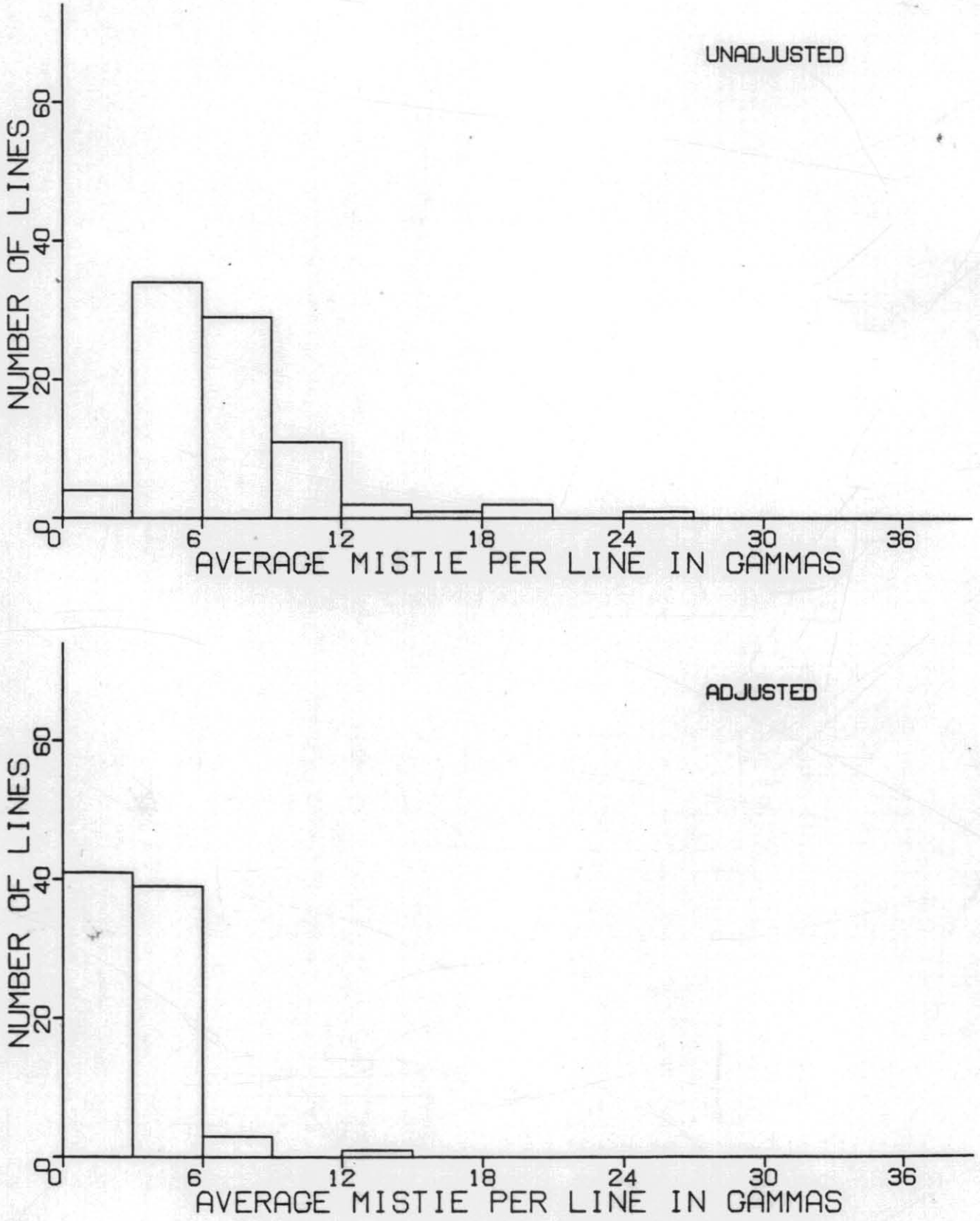


FREE-AIR GRAVITY

DISTRIBUTION OF THE AVERAGE MISTIE PER LINE
BEFORE AND AFTER SYSTEMATIC ADJUSTMENT

FIGURE 7

5 cm

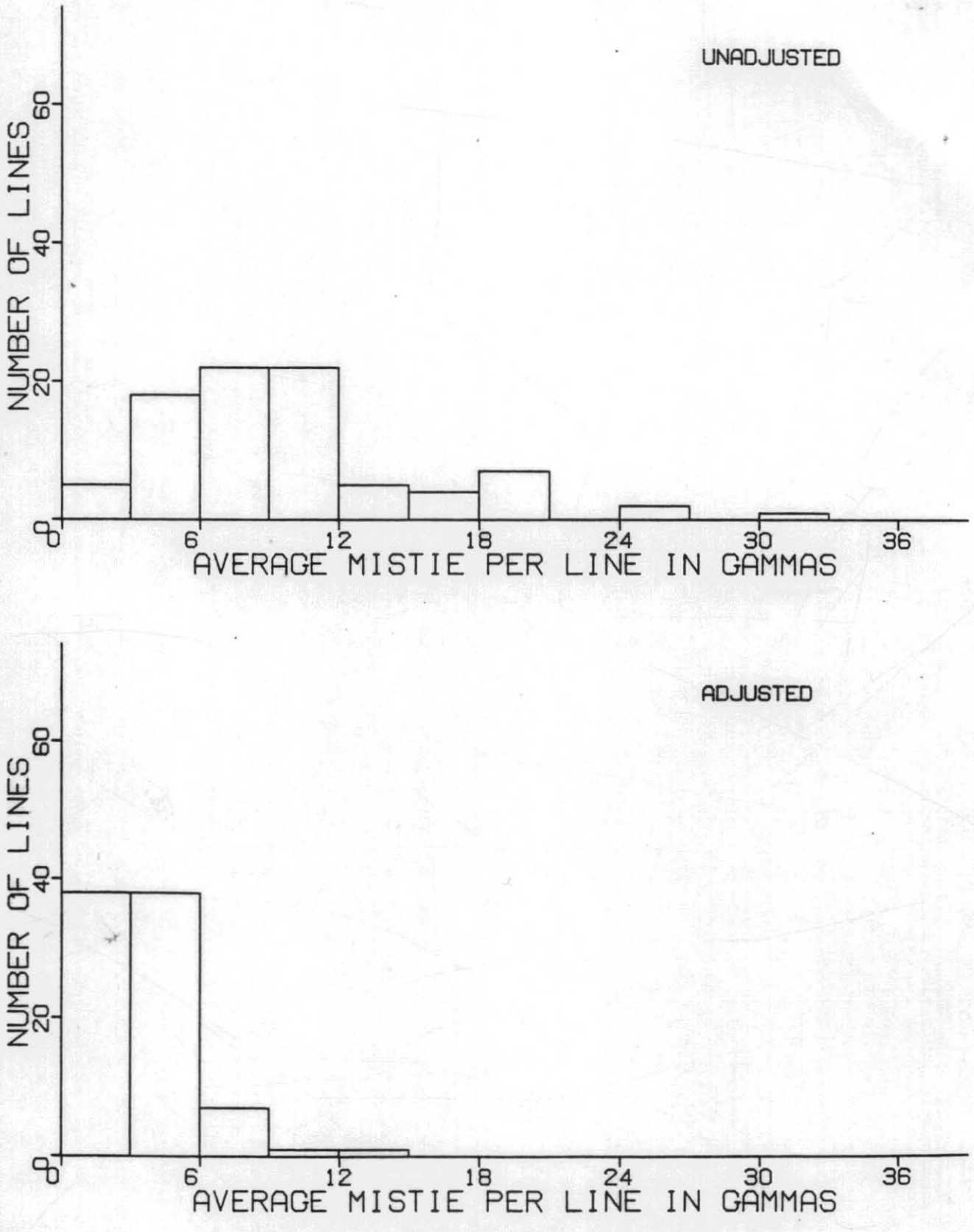


DIURNALLY CORRECTED TOTAL MAGNETIC INTENSITY

DISTRIBUTION OF THE AVERAGE MISTIE PER LINE
BEFORE AND AFTER SYSTEMATIC ADJUSTMENT

FIGURE 8

5 cm



TOTAL MAGNETIC INTENSITY

DISTRIBUTION OF THE AVERAGE MISTIE PER LINE
BEFORE AND AFTER SYSTEMATIC ADJUSTMENT

FIGURE 9

5 cm

VII. MAPPING

After removal of intersection misties by the adjustment algorithm described in Section V, the gravity, magnetic, and water depth data were machine-gridded and contoured. Water depth, adjusted free-air gravity, adjusted 2-D Bouguer gravity, and adjusted diurnally corrected total magnetic intensity were sampled from the survey line data and interpolated onto a one kilometer square grid. The one kilometer square grid was then machine-contoured. Digital tapes of the grids were also provided. Gravity data from lines 64 and 17; and magnetic data from line 51 and 31 were not mapped owing to excess noise.

EDCON, INC.

Marilyn Airey, Data Processor

Peter J. Laurin, Geophysicist

TAPE FORMAT
GRIDS (1000 M INTERVAL)
BASS STRAIT, AUSTRALIA
MARCH, 1985

I. TAPE SPECIFICATIONS:

A. Media: 1/2 inch, 9 track, 800 BPI, Odd Parity, EBCDIC Code
B. Logical Record Size: 40 characters
C. Physical Record Size: 4000 characters
D. Blocking Factor: 100

II. DATA SPECIFICATIONS:

Field	Data	Units	Column	Format
1	Blank		1-8	8X
2	X-Coordinate	Meters	9-18	F10.1
3	Y-Coordinate	Meters	19-28	F10.1
4	See Note	See Note	29-38	F10.2
5	Blank		39-40	2X

NOTE:

File	Description of Data	Factor	Units
1	Free-Air Gravity	100	Mgal
2	2-D Bouguer Gravity	100	Mgal
3	Diurnally Corrected Total Magnetic Intensity	100	Gammas
4	Bathymetry	1000	Meters

TAPE FORMAT
PROCESSED GRAVITY AND MAGNETIC DATA
BASS STRAIT, AUSTRALIA
MARCH 1985

I. TAPE SPECIFICATIONS:

A. Media: 1/2 inch, 9 track, 800 BPI, Odd Parity, EBCDIC Code
B. Logical Record Size: 112 characters
C. Physical Record Size: 1120 characters
D. Blocking Factor: 10

II. DATA SPECIFICATIONS:

Tape 1

Field	Data	Units	Column	Format	No Data Value
1	EDCON Line Number		1-4	I4	
2	Seismic Line Number		5-12	2A4	
3	Date	MMDDYY	13-18	I6	
4	Time	HHMMSS	19-25	F7.0	
5	Shotpoint Number		26-31	I6	
6	Water Depth	Meters	32-37	F6.1	9999.9
7	Latitude	Degrees	38-47	F10.6	999.999999
8	Longitude	Degrees	48-57	F10.6	999.999999
9	X-Coordinate	Meters	58-65	I8	99999999
10	Y-Coordinate	Meters	66-73	I8	99999999
11	Observed Gravity	Mgal	74-79	F6.0	99999
12	Eotvos Correction	Mgal	80-85	F6.1	9999.9
13	Free-Air Gravity	Mgal	86-91	F6.1	9999.9
14	Adjusted Free-Air Gravity	Mgal	92-97	F6.1	9999.9
15	2-D Bouguer Gravity	Mgal	98-103	F6.1	
16	Adjusted 2-D Bouguer Gravity	Mgal	104-109	F6.1	9999.9
17	Blank		110-112	3X	

TAPE FORMAT
PROCESSED GRAVITY AND MAGNETIC DATA
BASS STRAIT, AUSTRALIA
MARCH, 1985

TAPE SPECIFICATIONS:

A. Media: 1/2 inch, 9 track 800 BPI, Odd Parity, EBCDIC Code
B. Logical Record Size: 112 characters
C. Physical Record Size: 1120 characters
D. Blocking Factor: 10

DATA SPECIFICATIONS:

Tape 2

Field	Data	Units	Column	Format	No Data Value
1	EDCON Line Number		1-4	I4	
2	Seismic Line Number		5-12	2A4	
3	Date	NMDDYY	13-18	I6	
4	Time	HHMMSS	19-25	F7.0	
5	Shotpoint Number		26-31	I6	
6	Water Depth	Meters	32-37	F6.1	9999.9
7	Latitude	Degrees	38-47	F10.6	999.999999
8	Longitude	Degrees	48-57	F10.6	999.999999
9	X-Coordinate	Meters	58-65	I8	99999999
10	Y-Coordinate	Meters	66-73	I8	99999999
11	Observed Magnetics	Gammas	74-79	F6.0	99999.
12	Total Magnetic Intensity	Gammas	80-85	F6.1	9999.9
13	Adjusted Total Magnetic Intensity	Gammas	86-91	F6.1	9999.9
14	Diurnally Corrected Total Magnetic Intensity	Gammas	92-97	F6.1	9999.9
15	Adjusted Diurnally Corrected Total Magnetic Intensity	Gammas	98-103	F6.1	9999.9
16	Base Magnetics	Gammas	104-110	F7.1	99999.9
17	Blank		111-112	2X	

APPENDIX 1

Line Header Reports

Survey Kilometer Reports

Channel Description Table Report

Meter Description Table Report

LINE HEADER REPORT

150039

LINE NUMBER	LINE NAME	ROCK DENSITY	GRAVITY FILTER/TAPER		MAGNETICS FILTER/TAPER		BASE CONSTANT	COURSE	MAG CABLE	TRANS. DEPTH	EOTVOS GATE LENGTH/STEPS/PHASE/LOW AMP./HIGH AMP.				
1	TNK-48	2.00	900.	.50	120.	.50	-9221.90	136.8	866.	0.	32	4	30.	4.00	5.00
2	TNK-44A	2.00	900.	.50	120.	.50	-9221.54	131.5	866.	0.	32	4	30.	4.00	5.00
3	TNK-26	2.00	1200.	.50	120.	.50	-9221.54	318.5	866.	0.	32	4	30.	4.00	5.00
4	TNK-36	2.00	600.	.50	120.	.50	-9221.54	134.3	866.	0.	32	4	20.	2.00	5.00
5	TNK-103	2.00	600.	.50	120.	.50	-9221.54	42.7	866.	0.	32	4	20.	2.00	5.00
6	TNK-101	2.00	600.	.50	120.	.50	-9221.54	223.2	866.	0.	32	4	20.	2.00	5.00
7	TNK-50	2.00	600.	.50	120.	.50	-9221.18	313.5	866.	0.	32	4	20.	2.00	5.00
8	TNK-71	2.00	600.	.50	120.	.50	-9221.18	43.4	866.	0.	32	4	20.	2.00	5.00
9	TNK-14	2.00	600.	.50	120.	.50	-9221.18	324.2	866.	0.	32	4	20.	2.00	5.00
10	TNK-12	2.00	600.	.50	120.	.50	-9221.18	144.2	866.	0.	32	4	20.	2.00	5.00
11	TNK-12A	2.00	600.	.50	120.	.50	-9221.18	144.1	866.	0.	32	4	20.	2.00	5.00
12	TNK-08	2.00	900.	.50	120.	.50	-9221.82	323.6	866.	0.	32	4	20.	2.00	5.00
13	TNK-27	2.00	600.	.50	120.	.50	-9221.82	55.1	866.	0.	32	4	20.	2.00	5.00
14	TNK-33	2.00	600.	.50	120.	.50	-9221.82	234.4	866.	0.	32	4	20.	2.00	5.00
15	TNK-35	2.00	600.	.50	120.	.50	-9221.82	54.0	866.	0.	32	4	20.	2.00	5.00
16	TNK-37A	2.00	600.	.50	120.	.50	-9221.82	233.0	866.	0.	32	4	20.	2.00	5.00
17	TNK-41	2.00	600.	.50	120.	.50	-9220.47	53.1	866.	0.	32	4	20.	2.00	5.00
18	TNK-47	2.00	600.	.50	120.	.50	-9220.47	232.9	866.	0.	32	4	20.	2.00	5.00
19	TNK-45	2.00	600.	.50	120.	.50	-9220.47	53.0	866.	0.	32	4	20.	2.00	5.00
20	TNK-51	2.00	600.	.50	120.	.50	-9220.47	233.5	866.	0.	32	4	20.	2.00	5.00
21	TNK-55	2.00	600.	.50	120.	.50	-9220.47	54.1	866.	0.	32	4	20.	2.00	5.00
22	TNK-63	2.00	600.	.50	120.	.50	-9220.11	234.2	866.	0.	32	4	30.	4.00	5.00
23	TNK-10	2.00	900.	.50	120.	.50	-9220.	323.6	866.	0.	32	4	30.	4.00	5.00
24	TNK-29	2.00	1200.	.50	120.	.50	-9220.11	55.0	866.	0.	32	4	20.	2.00	5.00
25	TNK-2A	2.00	600.	.50	120.	.50	-9220.11	144.0	866.	0.	32	4	20.	2.00	5.00
26	TNK-6	2.00	600.	.50	120.	.50	-9219.75	324.0	866.	0.	32	4	50.	4.00	5.00
27	TNK-31	2.00	600.	.50	120.	.50	-9219.75	234.3	866.	0.	32	4	30.	4.00	5.00
28	TNK-16	2.00	600.	.50	120.	.50	-9219.75	144.5	866.	0.	32	4	20.	2.00	5.00
29	TNK-18B	2.00	600.	.50	120.	.50	-9219.75	324.4	866.	0.	32	4	20.	2.00	5.00
30	TNK-26A	2.00	1200.	.50	120.	.50	-9219.75	138.6	866.	0.	32	4	20.	2.00	5.00
31	TNK-77A	2.00	600.	.50	120.	.50	-9219.04	44.0	866.	0.	32	4	20.	2.00	5.00
32	TNK-79	2.00	600.	.50	120.	.50	-9219.04	223.7	866.	0.	32	4	20.	2.00	5.00
33	TNK-81	2.00	600.	.50	120.	.50	-9219.04	43.7	866.	0.	32	4	20.	2.00	5.00

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34	TNK-83	2.00	600.	.50	120.	.50	-9219.04	222.8	866.	0.	32	4	20.	2.00	5.00
35	TNK-87	2.00	600.	.50	120.	.50	-9219.04	42.8	866.	0.	32	4	20.	2.00	5.00
36	TNK-89	2.00	600.	.50	120.	.50	-9218.68	223.6	866.	0.	32	4	30.	4.00	5.00
37	TNK-85	2.00	600.	.50	120.	.50	-9218.68	43.5	866.	0.	32	4	20.	2.00	5.00
38	TNK-91	2.00	600.	.50	120.	.50	-9218.68	222.9	866.	0.	32	4	20.	2.00	5.00
39	TNK-93	2.00	600.	.50	120.	.50	-9218.68	43.6	866.	0.	32	4	20.	2.00	5.00
40	TNK-95	2.00	600.	.50	120.	.50	-9218.68	222.7	866.	0.	32	4	20.	2.00	5.00
41	TNK-97	2.00	600.	.50	120.	.50	-9218.32	42.2	866.	0.	32	4	20.	2.00	5.00
42	TNK-99	2.00	600.	.50	120.	.50	-9218.32	222.4	866.	0.	32	4	20.	2.00	5.00
43	TNK-52	2.00	600.	.50	120.	.50	-9218.32	313.6	866.	0.	32	4	20.	2.00	5.00
44	TNK-75A	2.00	900.	.50	120.	.50	-9218.32	46.0	866.	0.	32	4	20.	4.00	5.00
45	TNK-46	2.00	1200.	.50	120.	.50	-9217.97	134.9	866.	0.	32	4	20.	2.00	5.00
46	TNK-42	2.00	600.	.50	120.	.50	-9217.97	313.0	866.	0.	32	4	30.	4.00	5.00
47	TNK-32	2.00	900.	.50	120.	.50	-9217.61	133.5	866.	0.	32	4	30.	2.00	5.00
48	TNK-26C	2.00	600.	.50	120.	.50	-9217.61	318.4	866.	0.	32	4	30.	4.00	5.00
49	TNK-69A	2.00	1200.	.50	120.	.50	-9217.25	222.5	866.	0.	32	4	30.	4.00	5.00
50	TNK-73	2.00	600.	.50	120.	.50	-9217.25	43.7	866.	0.	32	4	20.	2.00	5.00
51	TNK-75B	2.00	600.	.50	120.	.50	-9217.25	47.6	866.	0.	32	4	20.	2.00	5.00
52	TNK-38	2.00	900.	.50	120.	.50	-9217.25	321.2	866.	0.	32	4	30.	4.00	5.00
53	TNK-40	2.00	900.	.50	120.	.50	-9217.25	319.6	866.	0.	32	4	30.	4.00	5.00
54	TNK-01	2.00	900.	.50	120.	.50	-9216.90	232.2	866.	0.	32	4	30.	4.00	5.00
55	TNK-03	2.00	900.	.50	120.	.50	-9216.90	54.4	866.	0.	32	4	20.	2.00	5.00
56	TNK-03A	2.00	600.	.50	120.	.50	-9216.90	54.8	866.	0.	32	4	20.	2.00	5.00
57	TNK-05	2.00	600.	.50	120.	.50	-9216.90	234.1	866.	0.	32	4	20.	2.00	5.00
58	TNK-07	2.00	600.	.50	120.	.50	-9216.90	53.9	866.	0.	32	4	20.	2.00	5.00
59	TNK-09	2.00	600.	.50	120.	.50	-9216.54	232.6	866.	0.	32	4	20.	2.00	5.00
60	TNK-11	2.00	600.	.50	120.	.50	-9216.54	51.9	866.	0.	32	4	20.	2.00	5.00
61	TNK-13	2.00	600.	.50	120.	.50	-9216.54	231.5	866.	0.	32	4	20.	2.00	5.00
62	TNK-15	2.00	600.	.50	120.	.50	-9216.54	51.6	866.	0.	32	4	20.	2.00	5.00
63	TNK-17	2.00	600.	.50	120.	.50	-9216.18	231.5	866.	0.	32	4	20.	2.00	5.00
64	TNK-19	2.00	1200.	.50	120.	.50	-9216.18	51.5	866.	0.	32	4	30.	4.00	5.00
65	TNK-21	2.00	900.	.50	120.	.50	-9216.18	232.6	866.	0.	32	4	30.	4.00	5.00
66	TNK-23	2.00	1200.	.50	120.	.50	-9215.83	53.8	866.	0.	32	4	64.	8.00	5.00
67	TNK-25	2.00	1200.	.50	120.	.50	-9215.83	234.7	866.	0.	32	4	20.	2.00	5.00
68	TNK-34	2.00	900.	.50	120.	.50	-9215.83	320.7	866.	0.	32	4	20.	2.00	5.00
69	TNK-39	2.00	900.	.50	120.	.50	-9215.71	50.0	866.	0.	32	4	20.	2.00	5.00
70	TNK-43A	2.00	600.	.50	120.	.50	-9215.71	230.2	866.	0.	32	4	20.	2.00	5.00
71	TNK-49	2.00	600.	.50	120.	.50	-9215.71	51.3	866.	0.	32	4	20.	2.00	5.00
72	TNK-53	2.00	600.	.50	120.	.50	-9215.71	228.8	866.	0.	32	4	20.	2.00	5.00

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73	TNK-59	2.00	600.	.50	120.	.50	-9215.71	55.3	866.	0.	32	4	20.	2.00	5.00
74	TNK-04A	2.00	600.	.50	120.	.50	-9215.59	323.2	866.	0.	32	4	20.	2.00	5.00
75	TNK-57	2.00	600.	.50	120.	.50	-9215.59	234.6	866.	0.	32	4	20.	2.00	5.00
76	TNK-65	2.00	600.	.50	120.	.50	-9215.59	228.2	866.	0.	32	4	20.	2.00	5.00
77	TNK-67	2.00	600.	.50	120.	.50	-9215.59	44.4	866.	0.	32	4	20.	2.00	5.00
78	TNK-61	2.00	600.	.50	120.	.50	-9215.59	230.5	866.	0.	32	4	20.	2.00	5.00
79	TNK-54	2.00	600.	.50	120.	.50	-9215.47	318.7	866.	0.	32	4	20.	2.00	5.00
80	TNK-28	2.00	900.	.50	120.	.50	-9215.47	327.9	866.	0.	32	4	30.	4.00	5.00
81	TNK-34A	2.00	600.	.50	120.	.50	-9215.47	320.5	866.	0.	32	4	30.	4.00	5.00
82	TNK-24	2.00	900.	.50	120.	.50	-9215.47	141.8	866.	0.	32	4	30.	4.00	5.00
83	TNK-28A	2.00	600.	.50	120.	.50	-9215.47	321.7	866.	0.	32	4	30.	4.00	5.00
84	TNK-20	2.00	600.	.50	120.	.50	-9215.35	143.8	866.	0.	32	4	30.	4.00	5.00
85	TNK-22	2.00	900.	.50	120.	.50	-9215.35	321.7	866.	0.	32	4	30.	4.00	5.00

LINE HEADER REPORT

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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	TNK-48	S-60	112284	102200	165900	60	398	1	2176	1	2176	*****
2	TNK-44A	S-60	112384	24100	53500	60	175	1	941	1	941	*****
3	TNK-26	S-60	112384	74600	105500	60	190	1	943	1	943	*****
4	TNK-36	S-60	112384	141300	170900	60	177	1	953	1	953	*****
5	TNK-103	S-60	112384	193800	213700	60	120	1	662	1	662	*****
6	TNK-101	S-60	112384	224300	243400	60	112	1	633	1	633	*****
7	TNK-50	S-60	112484	14400	34100	60	118	1	703	1	703	*****
8	TNK-71	S-60	112484	50500	73500	60	151	1	823	1	823	*****
9	TNK-14	S-60	112484	92600	115400	60	149	1	814	1	814	*****
10	TNK-12	S-60	112484	141700	145200	60	36	1	199	1	199	*****
11	TNK-12A	S-60	112484	191400	215300	60	160	1	903	1	903	*****
12	TNK-08	S-60	112484	235600	280500	60	250	1	1333	1	1333	*****
13	TNK-27	S-60	112584	60100	73000	60	90	1	493	1	493	*****
14	TNK-33	S-60	112584	85600	102500	60	90	1	493	1	493	*****
15	TNK-35	S-60	112584	114400	135300	60	130	1	683	1	683	*****
16	TNK-37A	S-60	112584	145000	164100	60	112	1	623	1	623	*****
17	TNK-41	S-60	112684	800	22300	60	136	1	763	1	763	*****
18	TNK-47	S-60	112684	34200	64600	60	185	1	1003	1	1003	*****
19	TNK-45	S-60	112684	80000	103200	60	153	1	763	1	763	*****
20	TNK-51	S-60	112684	120000	181300	60	374	1	1975	1	1975	*****
21	TNK-55	S-60	112684	200000	252200	60	323	1	1774	1	1774	*****
22	TNK-63	S-60	112784	54500	73000	60	106	1	573	1	573	*****
23	TNK-10	S-60	112784	92700	135100	60	265	1	1456	1	1456	*****
24	TNK-29	S-60	112784	155200	173600	60	105	1	603	1	603	*****
25	TNK-2A	S-60	112784	235100	245100	60	61	1	323	1	323	*****
26	TNK-6	S-60	112884	23800	40500	60	88	1	473	1	473	*****
27	TNK-31	S-60	112884	62500	81600	60	112	1	613	1	613	*****
28	TNK-16	S-60	112884	92000	113000	60	131	1	744	1	744	*****
29	TNK-18B	S-60	112884	131800	150800	60	111	1	573	1	573	*****
30	TNK-26A	S-60	112884	172400	204600	60	203	3000	4105	1	1106	*****
31	TNK-77A	S-60	113084	35800	72600	60	209	1	1123	1	1123	*****
32	TNK-79	S-60	113084	84000	121100	60	212	1	1125	1	1125	*****
33	TNK-81	S-60	113084	131900	164100	60	203	1	1063	1	1063	*****

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34	TNK-83	S-60	113084	181200	213800	60	207	1	1074	1	1074	*****
35	TNK-87	S-60	113084	225900	254600	60	168	1	863	1	863	*****
36	TNK-89	S-60	120184	25100	65300	60	247	1	1285	1	1285	*****
37	TNK-85	S-60	120184	81300	112200	60	190	1	1043	1	1043	*****
38	TNK-91	S-60	120184	123400	153200	60	179	1	954	1	954	*****
39	TNK-93	S-60	120184	170200	184800	60	107	1	573	1	573	*****
40	TNK-95	S-60	120184	200100	230100	60	181	1	933	1	933	*****
41	TNK-97	S-60	120284	2500	21100	60	107	1	562	1	562	*****
42	TNK-99	S-60	120284	33400	63000	60	177	1	933	1	933	*****
43	TNK-52	S-60	120284	81800	93000	60	73	1	383	1	383	*****
44	TNK-75A	S-60	120284	190300	225800	60	236	1	1260	1	1260	*****
45	TNK-46	S-60	120384	145700	181200	60	196	1	1052	1	1052	*****
46	TNK-42	S-60	120384	200300	251400	60	312	1	1615	1	1615	*****
47	TNK-32	S-60	120384	30500	72500	60	261	1	1393	1	1393	*****
48	TNK-26C	S-60	120484	203900	212000	60	42	944	1157	1	214	*****
49	TNK-69A	S-60	120484	50400	75800	60	175	1	884	1	884	*****
50	TNK-73	S-60	120584	92200	115200	60	151	1	814	1	814	*****
51	TNK-75B	S-60	120584	140600	143900	60	34	1261	1423	1	163	*****
52	TNK-38	S-60	120584	190000	204000	60	101	1	543	1	543	*****
53	TNK-40	S-60	120584	222100	273900	60	319	1	1764	1	1764	*****
54	TNK-01	S-60	120684	62000	80100	60	102	1	523	1	523	*****
55	TNK-03	S-60	120684	94100	113800	60	118	1	636	1	636	*****
56	TNK-03A	S-60	120684	134800	163400	60	167	515	1403	1	889	*****
57	TNK-05	S-60	120684	174400	221300	60	270	1	1444	1	1444	*****
58	TNK-07	S-60	120684	232900	275900	60	271	1	1443	1	1443	*****
59	TNK-09	S-60	120784	51100	93100	60	261	1	1434	1	1434	*****
60	TNK-11	S-60	120784	104600	150600	60	261	1	1435	1	1435	*****
61	TNK-13	S-60	120784	161400	203500	60	262	1	1375	1	1375	*****
62	TNK-15	S-60	120784	214600	261100	60	266	1	1353	1	1353	*****
63	TNK-17	S-60	120884	72300	113300	60	251	1	1335	1	1335	*****
64	TNK-19	S-60	120884	124600	164400	60	239	1	1187	1	1187	*****
65	TNK-21	S-60	120884	185200	225900	60	248	1	1324	1	1324	*****
66	TNK-23	S-60	120984	5900	42500	60	207	1	1055	1	1055	*****
67	TNK-25	S-60	120984	54400	83600	60	173	1	1004	1	1004	*****
68	TNK-34	S-60	120984	104800	123000	60	103	1	578	1	578	*****
69	TNK-39	S-60	121384	40100	62800	60	148	1	772	1	772	*****
70	TNK-43A	S-60	121384	93900	115300	60	135	1	704	1	704	*****
71	TNK-49	S-60	121384	130600	142900	60	84	1	443	1	443	*****
72	TNK-53	S-60	121384	154400	172900	60	106	1	523	1	523	*****

	4: 6:10	59	-225.5	.1	-222.5	.1	74.0	.3	-137.0	-3.7	-142.8	-2.1
	4:20:22	60	-225.1	-1.9	-222.1	-1.8	74.3	1.3	-151.9	-.6	-156.9	4.4
	4:46: 7	61	-225.7	-.4	-222.7	-.3	74.6	.1	-208.9	-7.6	-203.3	-13.2
	5: 1:34	62	-225.6	-1.4	-222.5	-1.3	73.8	1.6	-220.2	-10.3	-216.1	-14.4
	5:17:49	63	-226.1	2.0	-223.1	1.9	74.0	.0	-214.0	.7	-218.4	5.1
	5:33:30	64	-226.0	4.9	-223.1	5.0	73.7	.6	-213.3	-6.7	-222.1	2.1
	5:57:54	65	-226.8	4.6	-223.7	4.6	74.8	-.1	-214.2	-7.3	-229.0	7.6
	6:23:31	66	-226.9	6.6	-223.8	6.6	75.0	1.0	-220.0	-22.4	-233.3	-9.0
	6:49:38	67	-227.4	1.4	-224.2	1.4	76.9	-.1	-229.5	-16.1	-238.9	-6.6

LINE	TIME	X-LINE	SFAG	XL-L	S_2OB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
85	11: 7:50	56	-220.4	-1.1	-217.6	-1.0	68.1	2.0	-203.5	-3.4	-197.0	-9.9
	10:50:22	57	-222.3	-.1	-219.5	.0	69.2	.1	-176.7	-9.3	-185.4	2.2
	10:29: 6	58	-224.0	-2.6	-221.1	-2.5	71.0	1.0	-170.6	-11.7	-177.8	6.7
	10:15:36	59	-224.4	-.4	-221.5	-.3	71.0	.0	-172.9	-7.6	-178.9	.4
	10: 1:31	60	-224.6	-2.0	-221.7	-1.9	72.0	1.9	-168.3	-15.2	-184.8	1.3
	9:36:38	61	-225.7	-.5	-222.7	-.5	72.0	.1	-197.4	-18.8	-202.6	-13.6
	9:21:46	62	-225.7	-.9	-222.7	-.9	73.0	1.0	-208.2	-16.6	-213.0	-11.8
	9: 6: 3	63	-224.7	1.4	-221.7	1.3	74.0	-1.0	-207.8	-10.7	-220.3	1.7

FILE CLOSED ON UNIT 10

SURVEY KILOMETER REPORT

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CHANNEL:	LATI			LONG			BMAG			
NAME:	LATITUDE DEGREES			LNGITUDE DEGREES			MAGNETIC BASE STA			
LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	SHIP KMS.
1	65.3	-40.3	398	1	65.3	145.7	398	1	65.3	61953.1	398	65.
2	28.4	-40.4	175	2	28.4	145.9	175	2	28.4	61943.4	175	28.
3	28.4	-40.3	190	3	28.4	146.0	190	3	28.4	61955.0	190	28.
4	28.8	-40.4	177	4	28.8	146.0	177	4	28.8	61947.2	177	29.
5	20.1	-40.4	120	5	20.1	146.1	120	5	20.1	61948.9	120	20.
6	19.1	-40.4	112	6	19.1	146.0	112	6	19.1	61951.9	112	19.
7	21.4	-40.4	118	7	21.4	145.7	118	7	21.4	61953.4	118	21.
8	24.9	-40.2	151	8	24.9	145.7	151	8	24.9	61950.2	151	25.
9	24.5	-39.9	149	9	24.5	145.8	149	9	24.5	61951.9	149	25.
10	6.1	-39.8	36	10	6.1	145.8	36	10	6.1	61951.5	36	6.
11	27.3	-39.8	160	11	27.3	145.8	160	11	27.3	61947.6	160	27.
12	40.1	-39.8	250	12	40.1	145.8	250	12	40.1	61942.7	250	40.
13	14.9	-39.6	90	13	14.9	145.8	90	13	14.9	61948.4	90	15.
14	14.9	-39.7	90	14	14.9	145.8	90	14	14.9	61949.8	90	15.
15	20.6	-39.7	130	15	20.6	145.8	130	15	20.6	61951.1	130	21.
16	18.9	-39.8	112	16	18.9	145.8	112	16	18.9	61949.3	112	19.
17	22.9	-39.8	136	17	22.9	145.8	136	17	22.9	61939.0	136	23.
18	30.2	-39.8	185	18	30.2	145.8	185	18	30.2	61942.4	185	30.
19	22.9	-39.8	153	19	22.9	145.8	153	19	22.9	61952.1	153	23.
20	59.4	-39.9	374	20	59.4	145.7	374	20	59.4	61949.3	374	59.
21	53.3	-40.0	323	21	53.3	145.7	323	21	53.3	61949.4	323	53.
22	17.3	-39.9	106	22	17.3	146.0	106	22	17.3	61954.8	106	17.
23	43.7	-39.8	265	23	43.7	145.8	265	23	43.7	61945.9	265	44.
24	18.3	-39.7	105	24	18.3	145.8	105	24	18.3	61945.8	105	18.
25	9.9	-39.6	61	25	9.9	145.8	61	25	9.9	61944.6	61	10.
26	14.4	-39.7	88	26	14.4	145.8	88	26	5.5	61952.2	34	14.
27	18.4	-39.7	112	27	18.4	145.8	112	27	18.4	61950.9	112	18.
28	22.6	-39.9	131	28	22.6	145.8	131	28	22.6	61959.3	131	23.
29	17.2	-39.9	111	29	17.2	145.7	111	29	17.2	61951.0	111	17.
30	33.2	-40.0	203	30	33.2	145.7	203	30	33.2	61947.4	203	33.
31	33.8	-40.3	209	31	33.8	145.7	209	31	1.9	61996.9	13	34.
32	33.9	-40.3	212	32	33.9	145.8	212	32	33.9	61957.4	212	34.
33	32.0	-40.3	203	33	32.0	145.8	203	33	32.0	61943.2	203	32.
34	32.3	-40.3	207	34	32.3	145.8	207	34	32.3	61943.2	207	32.
35	26.0	-40.3	168	35	26.0	145.9	168	35	26.0	61931.8	168	26.
36	38.6	-40.4	243	36	38.6	145.8	243	36	38.6	61956.4	243	39.
37	31.5	-40.3	190	37	31.5	145.9	190	37	31.5	61956.4	190	31.
38	28.7	-40.4	179	38	28.7	145.9	179	38	28.7	61945.7	179	29.
39	17.3	-40.3	107	39	17.3	146.0	107	39	17.3	61949.1	107	17.
40	28.0	-40.4	181	40	28.0	145.9	181	40	28.0	61945.3	181	26.
41	16.9	-40.4	107	41	16.9	146.0	107	41	16.9	61940.6	107	17.
42	28.1	-40.4	177	42	28.1	145.9	177	42	28.1	61959.2	177	28.
43	11.6	-40.4	73	43	11.6	145.7	73	43	11.6	61965.6	73	12.
44	38.0	-40.3	236	44	38.0	145.8	236	44	38.0	61923.3	236	38.
45	31.7	-40.4	196	45	31.7	145.8	196	45	31.7	61928.6	196	32.
46	48.6	-40.3	312	46	48.6	145.8	312	46	48.6	61931.1	312	49.
47	41.9	-40.3	261	47	41.9	145.9	261	47	41.9	61951.0	261	42.
48	6.6	-40.2	42	48	6.6	145.8	42	48	6.6	61934.3	42	7.
49	26.7	-40.2	175	49	26.7	145.7	175	49	26.7	61952.6	175	27.
50	24.5	-40.2	151	50	24.5	145.7	151	50	24.5	61953.7	151	24.
51	5.0	-40.1	34	51	5.0	145.9	34	51	5.0	61940.9	34	5.
52	16.4	-40.0	101	52	16.4	145.6	101	52	16.4	61936.6	101	16.
53	53.0	-39.7	319	53	53.0	145.1	319	53	53.0	61941.5	319	53.
54	15.9	-39.5	102	54	15.9	145.0	102	54	15.9	61960.5	102	16.
55	19.1	-39.6	118	55	19.1	145.0	118	55	19.1	61952.5	118	19.
56	26.7	-39.5	167	56	26.7	145.2	167	56	26.7	61936.6	167	27.
57	43.3	-39.5	270	57	43.3	145.1	270	57	43.3	61944.3	270	43.
58	43.5	-39.5	271	58	43.5	145.2	271	58	43.5	61943.5	271	43.
59	43.1	-39.6	261	59	43.1	145.2	261	59	43.1	61953.8	261	43.
60	43.2	-39.6	261	60	43.2	145.2	261	60	43.2	61950.4	261	43.
61	41.4	-39.6	262	61	41.4	145.2	262	61	41.4	61938.7	262	41.
62	40.7	-39.6	266	62	40.7	145.3	266	62	40.7	61939.3	266	41.
63	40.1	-39.7	251	63	40.1	145.3	251	63	40.1	61953.3	251	40.
64	35.7	-39.7	239	64	35.7	145.3	239	64	35.7	61948.2	239	36.
65	39.8	-39.7	248	65	39.8	145.4	248	65	39.8	61948.9	248	40.

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:	66	31.8	-39.7	207	::	66	31.8	145.4	207	::	66	31.8	61943.8	207	: 32.
:	67	30.1	-39.8	173	::	67	30.1	145.4	173	::	67	30.1	61948.1	173	: 30.
:	68	17.5	-39.6	103	::	68	17.5	145.2	103	::	68	17.5	61949.8	103	: 18.
:	69	23.4	-40.1	148	::	69	23.4	145.2	148	::	69	23.4	61952.1	148	: 23.
:	70	21.2	-40.1	135	::	70	21.2	145.2	135	::	70	21.2	61955.6	135	: 21.
:	71	13.4	-40.1	84	::	71	13.4	145.3	84	::	71	.0	.0	0	: 13.
:	72	15.9	-40.2	106	::	72	15.9	145.2	106	::	72	.0	.0	0	: 16.
:	73	61.8	-40.0	411	::	73	61.8	145.8	411	::	73	.0	.0	0	: 62.
:	74	12.5	-39.9	81	::	74	12.5	146.0	81	::	74	12.5	61949.9	81	: 12.
:	75	30.4	-39.9	192	::	75	30.4	145.9	192	::	75	30.4	61948.5	192	: 30.
:	76	26.4	-40.1	169	::	76	26.4	145.6	169	::	76	26.4	61944.5	169	: 26.
:	77	27.2	-40.2	171	::	77	27.2	145.7	171	::	77	27.2	61941.3	171	: 27.
:	78	15.2	-40.1	99	::	78	15.2	145.6	99	::	78	15.2	61937.9	99	: 15.
:	79	26.3	-40.1	181	::	79	26.3	145.2	181	::	79	11.6	61952.0	83	: 26.
:	80	27.5	-39.7	172	::	80	27.5	145.3	172	::	80	27.5	61952.7	172	: 28.
:	81	14.7	-39.5	97	::	81	14.7	145.1	97	::	81	14.7	61952.1	97	: 15.
:	82	32.4	-39.6	206	::	82	32.4	145.3	206	::	82	32.4	61947.0	206	: 32.
:	83	19.3	-39.5	121	::	83	19.3	145.2	121	::	83	19.3	61928.8	121	: 19.
:	84	39.6	-39.6	250	::	84	39.6	145.4	250	::	84	39.6	61955.2	250	: 40.
:	85	25.7	-39.5	155	::	85	25.7	145.3	155	::	85	25.7	61955.0	155	: 26.
:TOTALS		2382.8	-40.0	14871	::		2382.8	145.6	14871	::		2236.3	61948.1	13922	:

TOTAL SURVEY KILOMETERS= 2382.82

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SURVEY KILOMETER REPORT

CHANNEL: NAME:	METER	RGRV GRAVITY			RMAG TOTAL FIELD				WATR WATER METRES				
LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS		LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS		LINE	KILOMETERS	AVERAGE VALUE	NO. GOOD POINTS	SHIP KMS.
1	65.3	11233.3	398		1	65.3	61641.7	398		1	65.3	73.4	398	65
2	28.4	11235.2	175		2	28.4	61573.4	175		2	28.4	75.9	175	28
3	28.4	11284.6	190		3	28.4	61735.4	190		3	28.4	77.0	190	28
4	28.8	11239.7	177		4	28.8	61578.6	177		4	28.8	77.7	177	29
5	20.1	11238.7	120		5	20.1	61568.8	120		5	20.1	76.3	120	20
6	19.1	11281.5	112		6	19.1	61593.7	112		6	19.1	76.8	112	19
7	21.4	11285.3	118		7	21.4	61691.8	118		7	21.4	72.5	118	21
8	24.9	11222.7	151		8	24.9	61582.3	151		8	24.9	74.9	151	25
9	24.5	11230.1	149		9	24.5	61505.0	149		9	24.5	78.4	149	25
10	6.1	11183.3	36		10	6.1	61409.6	36		10	6.1	80.3	36	6
11	27.3	11191.4	160		11	27.3	61484.4	160		11	27.3	78.7	160	27
12	40.1	11221.9	250		12	40.1	61443.3	250		12	40.1	79.7	250	40
13	14.9	11163.6	90		13	14.9	61389.7	90		13	14.9	75.0	90	15
14	14.9	11224.2	90		14	14.9	61417.4	90		14	14.9	77.1	90	15
15	20.6	11176.8	130		15	20.6	61428.0	130		15	20.6	78.5	130	21
16	18.9	11229.2	112		16	18.9	61428.4	112		16	18.9	80.2	112	19
17	22.9	11183.0	136		17	22.9	61414.7	136		17	22.9	79.5	136	23
18	30.2	11232.4	185		18	30.2	61446.9	185		18	30.2	80.0	185	30
19	22.9	11184.4	153		19	22.9	61439.9	153		19	22.9	78.1	153	23
20	59.4	11242.3	374		20	59.4	61526.1	374		20	59.4	77.1	374	59
21	53.3	11196.2	323		21	53.3	61541.5	323		21	53.3	77.1	323	53
22	17.3	11240.1	106		22	17.3	61512.7	106		22	17.3	80.9	106	17
23	43.7	11227.5	265		23	43.7	61454.7	265		23	43.7	77.7	265	44
24	18.3	11171.1	105		24	18.3	61411.1	105		24	18.3	78.8	105	18
25	9.9	11176.3	61		25	9.9	61393.2	61		25	9.9	76.0	61	10
26	14.4	11214.8	88		26	14.4	61420.2	88		26	14.4	77.6	88	14
27	18.4	11223.0	112		27	18.4	61420.6	112		27	18.4	78.9	112	18
28	22.6	11195.3	131		28	22.6	61509.0	131		28	22.6	78.3	131	23
29	17.2	11232.8	111		29	17.2	61520.6	111		29	17.2	78.6	111	17
30	33.2	11209.9	203		30	33.2	61566.8	203		30	33.2	79.1	203	33
31	33.8	11232.5	209		31	33.8	61661.6	209		31	33.8	74.9	209	34
32	33.9	11276.8	212		32	33.9	61658.7	212		32	33.9	73.7	212	34
33	32.0	11236.5	203		33	32.0	61657.2	203		33	32.0	74.5	203	32
34	32.3	11278.2	207		34	32.3	61664.1	207		34	32.3	76.1	207	32
35	26.0	11239.1	168		35	26.0	61679.9	168		35	26.0	77.4	168	26
36	38.6	11285.2	243		36	38.6	61701.9	243		36	38.6	74.9	243	39
37	31.5	11238.1	190		37	31.5	61690.6	190		37	31.5	76.8	190	31
38	28.7	11281.5	179		38	28.7	61676.3	179		38	28.7	75.0	179	29
39	17.3	11238.7	107		39	17.3	61642.5	107		39	17.3	78.1	107	17
40	28.0	11280.9	181		40	28.0	61698.2	181		40	28.0	76.7	181	28
41	16.9	11239.5	107		41	16.9	61611.6	107		41	16.9	76.8	107	17
42	28.1	11281.4	177		42	28.1	61711.4	177		42	28.1	75.9	177	28
43	11.6	11282.3	73		43	11.6	61699.5	73		43	11.6	71.0	73	12
44	38.0	11232.2	236		44	35.7	61630.0	222		44	38.0	75.8	236	38
45	31.7	11236.2	196		45	31.7	61578.3	196		45	31.7	75.7	196	32
46	48.6	11271.7	312		46	48.6	61546.1	312		46	48.6	77.0	312	49
47	41.9	11236.1	261		47	41.9	61646.4	261		47	41.9	77.7	261	42
48	6.6	11267.6	42		48	6.6	61641.7	42		48	6.6	78.8	42	7
49	26.7	11268.2	175		49	26.7	61602.5	175		49	26.7	74.0	175	27
50	24.5	11223.2	151		50	24.5	61593.2	151		50	24.5	77.4	151	24
51	5.0	11229.7	34		51	5.0	61940.8	34		51	5.0	79.5	34	5
52	16.4	11248.2	101		52	16.4	61559.8	101		52	16.4	75.6	101	16
53	53.0	11215.1	319		53	53.0	61476.5	319		53	53.0	65.5	319	53
54	15.9	11207.7	102		54	15.9	61367.1	102		54	15.9	65.7	102	16
55	19.1	11160.9	118		55	19.1	61394.5	118		55	19.1	66.9	118	19
56	26.7	11151.9	167		56	26.7	61363.9	167		56	26.7	72.0	167	27
57	43.3	11207.7	270		57	43.3	61399.2	270		57	43.3	68.5	270	43
58	43.5	11156.6	271		58	43.5	61405.6	271		58	43.5	69.9	271	43
59	43.1	11209.6	261		59	43.1	61431.7	261		59	43.1	68.2	261	43
60	43.2	11158.7	261		60	43.2	61434.0	261		60	43.2	70.2	261	43
61	41.4	11211.7	262		61	41.4	61436.1	262		61	41.4	67.8	262	41
62	40.7	11165.4	266		62	40.7	61438.1	266		62	40.7	69.4	266	41
63	40.1	11216.7	251		63	40.1	61465.9	251		63	40.1	67.8	251	40
64	35.0	11179.6	234		64	35.7	61479.3	239		64	35.7	69.2	239	36
65	39.8	11222.0	248		65	39.8	61476	248		65	39.8	69.7	248	40

:	66	28.4	11181.2	165	::	66	31.8	615506.1	207	::	66	31.8	71.1	207 : 32.
:	67	30.1	11234.2	173	::	67	30.1	61552.7	173	::	67	30.1	69.0	173 : 30.
:	68	17.5	11215.1	103	::	68	17.5	61451.1	103	::	68	17.5	67.8	103 : 18.
:	69	23.4	11217.0	148	::	69	23.4	61672.0	148	::	69	23.4	53.6	148 : 23.
:	70	21.2	11264.6	135	::	70	21.2	61655.6	135	::	70	21.2	50.8	135 : 21.
:	71	13.4	11215.9	84	::	71	13.4	61591.5	84	::	71	13.4	51.5	84 : 13.
:	72	15.9	11264.9	106	::	72	15.9	61685.4	106	::	72	15.9	51.4	106 : 16.
:	73	61.8	11199.6	411	::	73	61.8	61550.7	411	::	73	61.8	77.8	411 : 62.
:	74	12.5	11221.4	81	::	74	12.5	61480.9	81	::	74	12.5	81.0	81 : 12.
:	75	30.4	11233.2	192	::	75	30.4	61525.1	192	::	75	30.4	78.5	192 : 30.
:	76	26.4	11256.8	169	::	76	26.4	61605.7	169	::	76	26.4	73.9	169 : 26.
:	77	27.2	11214.6	171	::	77	27.2	61595.6	171	::	77	27.2	75.7	171 : 27.
:	78	15.2	11255.9	99	::	78	15.2	61585.2	99	::	78	15.2	73.2	99 : 15.
:	79	26.3	11254.1	181	::	79	26.3	61610.7	181	::	79	26.3	53.9	181 : 26.
:	80	27.5	11215.8	172	::	80	27.5	61528.8	172	::	80	27.5	67.4	172 : 28.
:	81	14.7	11201.1	97	::	81	14.7	61360.7	97	::	81	14.7	67.6	97 : 15.
:	82	32.4	11168.3	206	::	82	32.4	61420.2	206	::	82	32.4	70.5	206 : 32.
:	83	19.3	11200.9	121	::	83	19.3	61378.7	121	::	83	19.3	67.6	121 : 19.
:	84	39.6	11164.0	250	::	84	39.6	61410.1	250	::	84	39.6	74.4	250 : 40.
:	85	25.7	11200.7	155	::	85	25.7	61414.1	155	::	85	25.7	71.0	155 : 26.
:TOTALS		2378.7	11223.7	14844	::		2380.6	61537.5	14857	::		2382.8	73.4	14871:

TOTAL SURVEY KILOMETERS= 2382.82

150049

CHANNEL DESCRIPTION TABLE REPORT

CHANNEL ABBREVIATION	CHANNEL NAME	TYPE CODE	DATA PRESENT ?
RGRV	METER GRAVITY	1	YES
PCCG	RAW CORR GRAVITY	1	YES
FAGV	UNFILT. FREE AIR	1	YES
SFAG	FREE AIR GRAVITY	1	YES
SFA*	ADJUSTED FREE AIR	1	YES
SBGV	UNFILT. BOUGUER	1	YES
SSBG	SIMPLE BOUGUER	1	YES
SSB*	ADJUSTED BOUGUER	1	NO
RETV	RAW EOTVOS	1	YES
FETV	FILTERED EOTVOS	1	YES
SETV	EOTVOS CORR.	1	YES
WTDP	WATER DEPTH	5	YES
WTD*	ADJUSTED WATER	5	NO
WATR	WATER METRES	5	YES
BALT	BAROMTRC ALTIMETR	2	NO
RMAG	TOTAL FIELD	3	YES
MENF	UNFILT. MAGNETIC	3	YES
MEN*	ADJUSTED MAGNETIC	3	NO
SMEN	IGRF CORR MAG	3	YES
SME*	ADJUSTED MAGNETIC	3	YES
BMAG	MAGNETIC BASE STA	3	YES
LATI	LATITUDE DEGREES	13	YES
LONG	LNGITUDE DEGREES	13	YES
XCOR	X COORD	15	YES
YCOR	Y COORD	15	YES
SHOT	SHOTPNT. TIMES	20	YES
2DBG	UNFILT. 2-D BOUG	1	YES
S2DB	2-D BOUG GRAVITY	1	YES
2DBC	UNFILT. 2-D CORR	1	YES
S2CB	2-D BOUG CORR.	1	YES
S2D*	ADJUSTED 2-D BOUG	1	YES
3DBG	UNFILT. 3-D BOUG	1	NO
S3DB	3-D BOUG GRAVITY	1	NO
3DBC	UNFILT. 3-D CORR	1	NO
S3D*	ADJUSTED SMOOTH3D	1	NO
3DB*	ADJUSTED 3-D BOUG	1	NO
CENF	DIURNAL CORR MAG	3	YES
FENF	IGRF DIUR MAG	3	YES
FEN*	ADJ IGRF DIUR MAG	3	YES

SUMMARY

TOTAL NUMBER OF CHANNELS AVALIABLE= 39

TOTAL NUMBER OF CHANNELS PRESENT= 30

150050

METER DESCRIPTION TABLE REPORT

NUMBER OF S-METERS USED IN SURVEY= 1

S-METER S-60

HI-CUT FILTER 240.

CALIBRATION TABLE

CALIBRATION FACTOR USED FOR THIS METER
FACTOR= .991500+000

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	20.00	20.00	20.00	60.00	**********	**********	**********

APPENDIX II

Intersection Report

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
WATR	WATER	METRES
SMEN	IGRF	CORR MAG
FENF	IGRF	DIUR MAG

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
1	13:14:18	8	-227.2	-1.9	-224.2	-1.9	74.2	-1.9	-294.1	-2.5	-294.1	-6.9
	10:23:53	20	-209.9	-6.4	-207.2	-6.4	65.4	1.2	-190.0	-2.6	-190.0	-2.6
	10:52: 8	21	-214.3	-5.2	-211.6	-5.2	69.2	-.7	-227.3	-3.7	-227.3	-3.7
	14: 7:56	31	-229.7	.1	-226.6	.1	75.0	.0	-312.2	-1.8	-312.2	-1.8
	14:25:52	32	-229.9	-.4	-226.8	-.4	75.3	-1.3	-310.2	3.0	-310.2	1.1
	14:39:37	33	-229.2	-.2	-226.1	-.2	75.6	-1.6	-306.6	-14.8	-306.6	-2.0
	14:56:33	34	-229.1	-1.0	-226.0	-.9	75.4	.6	-298.4	-3.3	-298.4	3.5
	15:20:35	35	-229.4	-.2	-226.3	-.2	76.0	.0	-281.3	-13.4	-281.3	-13.4
	15:30:41	36	-229.3	1.3	-226.2	1.3	75.0	.5	-273.5	19.1	-273.5	3.4
	15: 9: 8	37	-229.4	.9	-226.3	.9	75.0	1.0	-287.3	4.8	-287.3	-5.4
	15:43:11	38	-229.6	-.1	-226.5	-.1	75.6	-1.3	-259.9	.2	-259.9	.2
	16: 8:37	40	-229.9	-1.5	-226.9	-1.4	75.1	.9	-216.3	.8	-216.3	8.1
	16:27:38	42	-230.6	-.7	-227.6	-.7	75.4	.1	-198.9	15.1	-198.9	.0
	13:55: 4	44	-229.5	2.0	-226.6	2.0	73.1	1.1	-310.9	-24.4	-310.9	.5
	12:50:26	49	-224.6	6.8	-221.8	6.7	72.5	-1.5	-261.2	9.5	-261.2	7.8
	13:36: 7	50	-228.3	.2	-225.3	.2	75.6	-.5	-315.0	.9	-315.0	.9
	11:25:41	73	-219.4	-3.0	-216.5	-3.0	71.3	-.6	-239.4	-19.0	-239.4	-19.0
	12: 4:59	76	-220.4	-3.1	-217.4	-3.1	73.3	-1.3	-220.7	-11.6	-220.7	-11.6
	12:32:36	77	-221.9	-3.8	-218.9	-3.8	73.1	.9	-227.6	-17.7	-227.6	-10.3
	11:46: 8	78	-220.4	-2.9	-217.4	-3.0	72.3	-2.3	-223.0	-20.9	-223.0	-7.1

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
2	5:21: 1	5	-236.1	1.1	-233.0	1.1	75.0	.1	-352.0	-2.7	-352.0	-2.7
	4:53:31	6	-233.4	-1.3	-230.4	-1.2	75.4	.6	-338.3	10.5	-338.3	10.5
	2:48:35	33	-229.1	1.1	-226.0	1.1	76.7	-.7	-366.0	3.9	-366.0	16.5
	3: 5:22	34	-228.9	.3	-225.8	.4	77.0	.4	-360.8	15.0	-360.8	18.5
	3:29:45	35	-228.3	.6	-225.2	.6	76.1	-.1	-349.5	-7.2	-349.5	-7.2
	3:40:12	36	-228.6	1.7	-225.5	1.7	76.1	.2	-347.2	23.3	-347.2	13.9
	3:18:50	37	-228.9	2.4	-225.8	2.4	76.9	.5	-352.6	19.9	-352.6	13.4
	3:52:19	38	-228.5	.4	-225.5	.4	76.0	.5	-337.6	.8	-337.6	.8
	4: 4:58	39	-229.2	.8	-226.1	.8	76.0	.8	-334.6	3.7	-334.6	3.7
	4:17:27	40	-230.1	-.6	-227.1	-.5	76.0	1.1	-330.8	2.4	-330.8	7.5
	4:26:29	41	-231.2	1.0	-228.1	1.0	75.8	.4	-330.5	-8.1	-330.5	1.1
	4:36:17	42	-231.9	.5	-228.9	.5	75.0	1.7	-338.3	17.6	-338.3	11.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L

3	7:51:19	6	-223.1	-3.0	-220.0	-2.9	76.0	1.5	-293.4	-14.7	-293.4	-14.7
	10:39:53	31	-211.8	-3.4	-208.7	-3.3	77.9	1.1	-109.6	38.1	-109.6	38.1
	10:20:43	32	-209.9	-4.0	-206.8	-3.9	77.6	.3	-78.8	21.1	-78.8	-3.4
	10: 5: 8	33	-209.0	-3.5	-205.9	-3.5	77.2	.8	-57.4	-7.7	-57.4	1.3
	9:48: 8	34	-208.8	-3.4	-205.7	-3.3	77.4	2.2	-53.9	-15.9	-53.9	-6.5
	9:21:43	35	-209.6	-3.5	-206.4	-3.5	78.0	.6	-80.3	-21.8	-80.3	-21.8
	9: 9: 8	36	-210.1	-3.5	-206.9	-3.5	77.1	.9	-97.2	-15.6	-97.2	-7.8
	9:32:17	37	-208.4	-3.3	-205.2	-3.3	78.0	.4	-65.0	1.4	-65.0	.5
	8:57:14	38	-210.3	-4.4	-207.1	-4.4	77.2	.8	-113.9	-8.9	-113.9	-8.9
	8:42:28	39	-211.6	-4.2	-208.5	-4.2	77.0	2.5	-139.3	-3.8	-139.3	-3.8
	8:29:56	40	-214.3	-3.2	-211.2	-3.1	77.0	2.0	-161.8	-15.3	-161.8	-15.2
	8:20:46	41	-216.3	-1.6	-213.3	-1.5	76.2	.9	-190.5	-15.7	-190.5	-4.2
	8:10:35	42	-218.4	-2.3	-215.3	-2.2	76.0	1.7	-225.3	-23.9	-225.3	-17.1
	10:50: 5	44	-210.9	-2.5	-207.7	-2.4	78.9	.8	-133.8	-26.6	-133.8	5.5

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
4	16:12:12	5	-233.5	.2	-230.3	.1	77.0	-1.5	-383.2	6.2	-383.2	6.2
	15:44:31	6	-228.6	-2.7	-225.4	-2.7	77.2	-.2	-367.0	6.8	-367.0	6.8
	14:20: 2	35	-218.8	-1.0	-215.6	-1.1	79.0	-2.0	-241.2	-12.6	-241.2	-12.6
	14:30:56	36	-220.4	.4	-217.2	.4	78.7	-1.3	-254.2	1.6	-254.2	-1.6
	14:42:23	38	-220.9	-.6	-217.7	-.7	79.0	-2.0	-267.8	-5.4	-267.8	-5.4
	14:55:40	39	-222.0	-.2	-218.8	-.2	78.8	-.4	-290.5	12.2	-290.5	12.2
	15: 7:36	40	-223.2	-1.2	-220.0	-1.2	78.2	.2	-312.2	-1.7	-312.2	3.3
	15:16:34	41	-224.2	.0	-221.1	.0	78.3	-1.1	-328.8	-1.0	-328.8	11.6
	15:26:18	42	-225.8	-1.2	-222.6	-1.2	78.4	-1.9	-344.0	8.4	-344.0	10.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
5	19:43:10	2	-235.0	-1.1	-232.0	-1.1	75.1	-.1	-354.6	2.7	-354.6	2.7
	20:12:27	4	-233.2	-.2	-230.2	-.1	75.5	1.5	-377.0	-6.2	-377.0	-6.2
	20:30:30	47	-231.6	2.5	-228.5	2.6	76.3	1.7	-376.9	10.0	-376.9	8.5

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
6	24: 5: 3	2	-234.7	1.3	-231.6	1.2	76.0	-.6	-327.8	-10.5	-327.8	-10.5
	23: 3:31	3	-226.1	3.0	-222.9	2.9	77.5	-1.5	-308.1	14.7	-308.1	14.7
	23:33:20	4	-231.3	2.7	-228.1	2.7	77.0	.2	-360.1	-6.8	-360.1	-6.8
	24:20:18	45	-235.1	5.6	-232.0	5.5	76.0	-.7	-294.7	-16.7	-294.7	-2.0
	23:15:59	47	-228.2	3.3	-225.1	3.3	77.1	.7	-337.8	3.0	-337.8	6.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L

7	3:13:51	31	-226.6	1.4	-223.7	1.4	72.0	-.9	-266.9	12.8	-263.1	9.0
	2:57:42	32	-227.2	.9	-224.3	.9	72.0	-1.1	-257.4	1.0	-269.7	6.6
	2:45:31	33	-227.4	1.6	-224.5	1.5	71.8	-2.6	-259.4	-9.7	-272.4	7.2
	2:30: 2	34	-227.6	.7	-224.6	.6	73.0	-.2	-269.2	.7	-267.2	7.0
	2: 0: 7	36	-227.9	2.2	-224.9	2.2	74.0	-.4	-222.7	12.2	-221.8	1.7
	2:18:48	37	-228.1	2.5	-225.1	2.5	73.9	-.5	-261.8	30.2	-254.7	5.8
	1:48:28	38	-228.3	1.3	-225.3	1.3	74.0	-1.3	-201.5	7.7	-198.9	5.1
	3:26:47	44	-225.9	3.5	-223.1	3.5	71.1	.2	-256.3	-23.3	-258.2	-.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
8	5:28:11	1	-229.0	1.9	-226.1	1.9	72.3	1.9	-296.6	2.5	-301.0	6.9
	6:10:10	46	-229.3	3.9	-226.2	3.9	75.2	1.8	-319.7	-7.4	-314.8	3.1
	6:49:48	47	-225.7	3.8	-222.6	3.8	76.6	.2	-266.4	-6.5	-267.4	-2.8

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
9	11:37:11	16	-232.7	-1.5	-229.5	-1.4	78.0	2.0	-264.2	-1.1	-264.2	-1.1
	11:23:12	17	-232.1	6.2	-228.9	6.2	78.5	.5	-257.9	-12.6	-257.9	-12.6
	10:53:13	18	-230.9	-.3	-227.8	-.2	78.0	2.0	-229.3	-7.9	-229.3	-3.2
	11: 8:33	19	-231.5	1.1	-228.3	1.1	78.6	-.6	-245.0	-.8	-245.0	-.8
	10:38:12	20	-230.0	-.5	-226.9	-.5	78.1	1.1	-210.5	-1.3	-210.5	-1.3
	10: 7:45	21	-228.3	.7	-225.1	.8	78.0	.5	-164.6	-2.6	-164.6	-2.6
	9:31:47	73	-225.6	.0	-222.4	.0	78.1	.6	-95.6	-3.6	-95.6	-3.6
	9:53:28	75	-227.1	.2	-223.9	.2	78.2	-.2	-142.0	1.1	-142.0	1.1

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
10	14:18:22	11	-230.9	-1.8	-227.6	-1.9	80.4	-1.5	-251.3	-2.4	-251.3	-2.4
	14:22: 9	15	-231.1	-1.8	-227.8	-1.9	79.5	-1.8	-249.6	-1.7	-249.6	-1.7
	14:38: 0	16	-230.3	-1.9	-227.0	-1.9	80.0	.2	-253.0	-2.0	-253.0	-2.0
	14:50:49	17	**********	**********	**********	**********	80.3	-.6	**********	**********	**********	**********

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
11	19:15:16	10	-232.7	1.8	-229.5	1.9	78.9	1.5	-253.6	2.4	-253.6	2.4
	19:19:10	15	-232.2	-.7	-229.0	-.7	78.8	-1.1	-254.5	3.3	-254.5	3.3
	19:35:18	16	-231.1	-1.1	-228.0	-1.0	78.6	1.7	-257.3	2.4	-257.3	2.4
	19:48:19	17	-229.9	3.8	-226.7	3.9	78.7	1.1	-254.9	-11.3	-254.9	-11.3
	20:16:24	18	-228.1	-.2	-224.9	-.1	78.2	1.8	-227.4	-10.5	-227.4	-3.1
	20: 1:58	19	-228.9	.7	-225.7	.7	78.1	-.1	-255.2	9.4	-255.2	9.4
	20:31:17	20	-228.0	.0	-224.8	.0	79.0	.0	-200.8	2.1	-200.8	2.1

	21: 1:26	21	-229.2	.5	-226.0	.6	79.0	.0	-185.0	-.9	-185.0	-.9
	21:52:40	22	**********	**********	**********	**********	79.5	.7	**********	**********	**********	**********
	21:37:33	73	-229.8	-.2	-226.5	-.2	79.0	.2	-131.8	-2.3	-131.8	-2.3
	21:15:46	75	-229.4	-.3	-226.2	-.3	79.0	-.5	-157.8	1.4	-157.8	1.4

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
12	27:52: 2	13	-231.8	-.4	-228.6	-.4	78.0	-2.0	-210.7	3.5	-210.7	3.5
	26:59:44	14	-227.5	-1.0	-224.2	-1.1	79.9	-2.6	-210.1	8.1	-210.1	8.1
	26:48:38	15	-226.9	.3	-223.6	.2	80.3	-1.6	-205.8	13.7	-205.8	13.7
	26:32:31	16	-226.8	-.1	-223.5	-.1	80.8	-.7	-215.4	10.0	-215.4	10.0
	26:18:48	17	-227.0	3.1	-223.7	3.1	80.8	-.8	-222.4	-7.8	-222.4	-7.8
	25:49:43	18	-229.2	.7	-225.9	.7	80.8	.0	-231.5	-2.4	-231.5	5.4
	26: 4:38	19	-227.9	2.0	-224.6	2.0	80.7	-2.7	-225.4	10.5	-225.4	10.5
	25:33:15	20	-230.6	1.1	-227.3	1.0	80.1	-1.0	-222.2	15.1	-222.2	15.1
	24:59:16	21	-232.5	1.2	-229.2	1.1	80.8	-.9	-211.4	5.1	-211.4	5.1
	24: 1:26	22	-234.1	3.4	-230.8	3.5	80.0	.5	-200.7	8.0	-200.7	8.0
	27:23:24	24	-230.2	5.7	-227.0	5.7	78.8	1.1	-203.2	.3	-203.2	3.9
	27:11:33	27	-228.2	1.5	-224.9	1.4	79.4	-.4	-210.0	8.0	-210.0	8.0
	24:17:39	73	-234.4	1.4	-231.1	1.4	80.0	-.3	-202.0	12.9	-202.0	12.9
	24:43: 0	75	-233.1	.3	-229.8	.3	79.3	-.3	-200.3	6.2	-200.3	6.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
13	6:23: 6	12	-232.1	.4	-229.0	.4	76.0	2.0	-207.2	-3.5	-207.2	-3.5
	6: 4: 2	23	-232.6	6.3	-229.6	6.3	74.7	-1.1	-225.1	-1.1	-225.1	-1.1
	7:14:27	25	-229.2	2.5	-226.2	2.5	74.0	.5	-208.9	-6.2	-208.9	-6.2
	6:46:56	26	-231.5	2.6	-228.5	2.7	75.0	2.2	-196.8	1.4	-196.8	1.4

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
14	9:24:33	12	-228.5	1.0	-225.3	1.1	77.3	2.6	-202.0	-8.1	-202.0	-8.1
	9:44:26	23	-231.7	8.3	-228.6	8.3	76.0	1.8	-234.7	3.0	-234.7	3.0
	9: 0:51	26	-226.6	4.5	-223.5	4.6	76.1	1.4	-181.9	-2.6	-181.9	-2.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
15	12:16:32	10	-232.9	1.8	-229.7	1.9	77.8	1.8	-251.3	1.7	-251.3	1.7
	12:16:30	11	-232.9	.7	-229.7	.7	77.8	1.1	-251.2	-3.3	-251.2	-3.3
	12:52:23	12	-226.6	-.3	-223.4	-.2	78.7	1.6	-192.1	-13.7	-192.1	-13.7
	12:31:24	23	-230.4	7.6	-227.2	7.6	79.0	-.8	-230.2	-10.3	-230.2	-10.3
	13:17: 2	26	-223.6	3.1	-220.4	3.1	78.5	1.0	-171.3	-7.2	-171.3	-7.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
16	16:26:49	9	-234.2	1.5	-231.0	1.4	80.0	-2.0	-265.3	1.1	-265.3	1.1
	16: 0:20	10	-232.2	1.9	-228.9	1.9	80.2	-.2	-254.9	2.0	-254.9	2.0
	16: 0:18	11	-232.2	1.1	-228.9	1.0	80.2	-1.7	-254.9	-2.4	-254.9	-2.4
	15:26:56	12	-226.9	.1	-223.6	.1	80.1	.7	-205.4	-10.0	-205.4	-10.0
	15:46:22	23	-230.0	6.6	-226.7	6.5	80.3	-2.3	-244.8	1.0	-244.8	1.0

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
17	0:34:26	9	-225.9	-6.2	-222.7	-6.2	79.0	-.5	-270.6	12.6	-270.6	12.6
	1: 0:53	10	-226.1*********		-222.9*********		79.7	.6	-266.2*********		-266.2*********	
	1: 0:56	11	-226.1	-3.8	-222.9	-3.9	79.8	-1.1	-266.2	11.3	-266.2	11.3
	1:34:48	12	-223.9	-3.1	-220.7	-3.1	80.0	.8	-230.2	7.8	-230.2	7.8
	1:15:19	23	-225.4	2.6	-222.2	2.6	79.8	-2.0	-252.5	14.4	-252.5	14.4
	0:11:30	28	-224.2	-8.5	-221.0	-8.5	79.0	.0	-272.0	11.4	-272.0	9.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
18	5:33:52	9	-231.2	.3	-228.0	.2	80.0	-2.0	-237.2	7.9	-232.4	3.2
	5: 6:28	11	-228.3	.2	-225.0	.1	80.0	-1.8	-237.9	10.5	-230.5	3.1
	4:30:57	12	-228.5	-.7	-225.2	-.7	80.7	.0	-233.9	2.4	-226.1	-5.4
	4:51:20	23	-228.4	5.4	-225.2	5.4	80.4	-2.4	-252.4	16.9	-236.4	.8
	5:58: 4	28	-233.4	1.6	-230.2	1.6	79.9	-1.8	-260.3	10.3	-254.8	4.3
	6:15:23	29	-233.4	.8	-230.2	.8	79.0	.4	-252.2	4.8	-249.9	2.5

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
19	8:30:54	9	-230.4	-1.1	-227.2	-1.1	78.0	.6	-245.8	.8	-245.8	.8
	9: 0:29	11	-228.2	-.7	-225.0	-.7	78.0	.1	-245.7	-9.4	-245.7	-9.4
	9:39:22	12	-225.8	-2.0	-222.6	-2.0	78.0	2.7	-214.9	-10.5	-214.9	-10.5
	9:17: 4	23	-227.1	5.5	-224.0	5.6	78.0	.2	-232.6	1.6	-232.6	1.6
	8: 4:48	28	-232.6	.4	-229.5	.4	78.0	.3	-259.2	2.3	-259.2	2.0

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
20	17:58:45	1	-216.3	6.4	-213.6	6.4	66.6	-1.2	-192.6	2.6	-192.6	2.6
	13:58:34	9	-230.6	.5	-227.3	.5	79.2	-1.1	-211.8	1.3	-211.8	1.3
	13:31:26	11	-228.0	.0	-224.8	.0	79.0	.0	-198.7	-2.1	-198.7	-2.1
	12:57: 7	12	-229.5	-1.1	-226.3	-1.0	79.1	1.0	-207.1	-15.1	-207.1	-15.1
	13:16:37	23	-228.7	4.1	-225.5	4.1	79.0	-1.6	-220.2	-10.3	-220.2	-10.3
	14:23:15	28	-232.9	1.7	-229.7	1.6	79.2	-1.0	-243.1	.8	-243.1	2.9
	14:41: 5	29	-233.4	1.0	-230.2	1.0	79.2	-.3	-240.8	1.6	-240.8	1.6

	15:50: 3	30	-229.7	3.5	-226.4	3.5	79.0	.3	-222.3	-.7	-222.3	-.7
	16:45:43	52	-225.4	2.3	-222.3	2.2	76.0	-.7	-221.2	-7.8	-221.2	-7.8

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
21	20: 3:53	1	-219.6	5.2	-216.7	5.2	68.5	.7	-231.0	3.7	-231.0	3.7
	23:40:22	9	-227.6	-.7	-224.4	-.8	78.5	-.5	-167.2	2.6	-167.2	2.6
	24: 7:58	11	-228.6	-.5	-225.4	-.6	79.0	.0	-185.9	.9	-185.9	.9
	24:45:16	12	-231.3	-1.2	-228.1	-1.1	80.0	.9	-206.4	-5.1	-206.4	-5.1
	24:24:32	23	-229.9	3.1	-226.7	3.0	80.0	-1.9	-211.9	3.5	-211.9	3.5
	23:16:26	28	-229.5	.5	-226.3	.4	78.1	-.1	-195.6	-8.0	-195.6	-17.4
	22:59:26	29	-230.7	.8	-227.5	.8	78.5	.3	-205.3	-.7	-205.3	-.7
	22: 0:20	30	-228.7	2.1	-225.6	2.2	77.3	2.1	-213.0	-7.2	-213.0	-7.2
	21: 9: 3	52	-226.3	3.0	-223.2	3.0	75.9	-.3	-237.0	-10.7	-237.0	-10.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
22	7:24:13	11	-227.4*********		-224.1*********		80.2	-.7	-115.4*********		-115.4*********	
	6:48:58	12	-230.7	-3.4	-227.4	-3.5	80.5	-.5	-192.7	-8.0	-192.7	-8.0
	7: 8:51	23	-230.1	1.3	-226.8	1.2	80.0	-1.0	-158.6	-8.7	-158.6	-8.7
	6:10:32	74	-229.3	-3.2	-226.0	-3.2	81.0	.0	-202.6	-1.2	-202.6	-1.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
23	13:35:45	13	-226.3	-6.3	-223.3	-6.3	73.6	1.1	-226.1	1.1	-226.1	1.1
	12:40:21	14	-223.4	-8.3	-220.2	-8.3	77.8	-1.8	-231.7	-3.0	-231.7	-3.0
	12:28:39	15	-222.8	-7.6	-219.6	-7.6	78.2	.8	-240.5	10.3	-240.5	10.3
	12:11:53	16	-223.4	-6.6	-220.2	-6.5	78.0	2.3	-243.8	-1.0	-243.8	-1.0
	11:57:51	17	-222.8	-2.6	-219.7	-2.6	77.9	2.0	-238.2	-14.4	-238.2	-14.4
	11:28: 3	18	-223.0	-5.4	-219.8	-5.4	78.1	2.4	-235.5	-16.9	-235.5	-.8
	11:43:31	19	-221.6	-5.5	-218.4	-5.6	78.2	-.2	-231.0	-1.6	-231.0	-1.6
	11:12:21	20	-224.6	-4.1	-221.4	-4.1	77.4	1.6	-230.5	10.3	-230.5	10.3
	10:41:21	21	-226.8	-3.1	-223.7	-3.0	78.1	1.9	-208.4	-3.5	-208.4	-3.5
	9:50:44	22	-228.7	-1.3	-225.6	-1.2	79.0	1.0	-167.3	8.7	-167.3	8.7
	13: 4:49	24	-225.8	-1.1	-222.7	-1.0	77.0	.6	-230.7	2.9	-230.7	7.5
	12:52:30	27	-225.7	-3.4	-222.6	-3.4	77.0	1.0	-228.3	-.6	-228.3	-.6
	10: 5:15	73	-229.5	-2.6	-226.4	-2.6	79.0	.6	-175.6	-3.3	-175.6	-3.3
	10:26:32	75	-228.7	-3.0	-225.5	-3.0	79.0	-.2	-190.8	-2.4	-190.8	-2.4

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
24	16:33:26	12	-224.5	-5.7	-221.3	-5.7	79.9	-1.1	-202.9	-.3	-199.3	-3.9
	16:14:46	23	-226.8	1.1	-223.7	1.0	77.6	-.6	-227.8	-2.9	-223.3	-7.5

	17:21:46	25	-222.1	-3.2	-218.9	-3.3	77.9	-1.5	-190.2	2.5	-178.7	-9.0
	16:56: 0	26	-223.0	-2.2	-219.8	-2.2	79.0	-1.0	-186.9	-1.5	-184.7	-3.7
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
25	23:55:11	13	-226.7	-2.5	-223.7	-2.5	74.5	-.5	-215.1	6.2	-215.1	6.2
	24:24:36	24	-225.3	3.2	-222.2	3.3	76.4	1.5	-187.7	-2.5	-187.7	9.0
	24:36: 0	27	-224.1	.3	-221.0	.3	77.0	1.1	-184.8	11.9	-184.8	11.9
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
26	3:48:50	13	-228.9	-2.6	-225.7	-2.7	77.2	-2.2	-195.4	-1.4	-195.4	-1.4
	2:55:51	14	-222.0	-4.5	-218.8	-4.6	77.6	-1.4	-184.5	2.6	-184.5	2.6
	2:44:50	15	-220.6	-3.1	-217.4	-3.1	79.5	-1.0	-178.4	7.2	-178.4	7.2
	3:19:28	24	-225.2	2.2	-222.0	2.2	78.0	1.0	-188.4	1.5	-188.4	3.7
	3: 7:50	27	-223.2	-1.1	-220.0	-1.0	78.2	.8	-185.8	7.8	-185.8	7.8
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
27	7:22:38	12	-226.7	-1.5	-223.5	-1.4	79.0	.4	-202.0	-8.0	-202.0	-8.0
	7:42:15	23	-229.1	3.4	-226.0	3.4	78.0	-1.0	-228.9	.6	-228.9	.6
	6:31: 4	25	-223.8	-.3	-220.6	-.3	78.1	-1.1	-172.9	-11.9	-172.9	-11.9
	6:58:54	26	-224.2	1.1	-221.0	1.0	79.0	-.8	-178.1	-7.8	-178.1	-7.8
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
28	9:28: 7	17	-232.7	8.5	-229.5	8.5	79.0	.0	-260.7	-11.4	-262.5	-9.6
	9:55:48	18	-231.8	-1.6	-228.6	-1.6	78.1	1.8	-250.0	-10.3	-250.5	-4.3
	9:41:37	19	-232.2	-.4	-229.1	-.4	78.4	-.3	-256.9	-2.3	-257.1	-2.0
	10:10:20	20	-231.2	-1.7	-228.0	-1.6	78.3	1.0	-242.3	-.8	-240.3	-2.9
	10:39:50	21	-229.1	-.5	-225.9	-.4	78.0	.1	-203.6	8.0	-213.0	17.4
	11:14:23	73	-225.2	-1.2	-222.0	-1.2	78.0	.2	-155.5	-.9	-176.6	20.3
	10:53:27	75	-227.6	-1.2	-224.4	-1.3	78.0	.0	-180.2	-3.8	-196.1	12.2
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
29	14:52:20	18	-232.5	-.8	-229.3	-.8	79.4	-.4	-247.4	-4.8	-247.4	-2.5
	14:36:35	20	-232.4	-1.0	-229.2	-1.0	78.9	.3	-239.2	-1.6	-239.2	-1.6
	14: 3:50	21	-229.9	-.8	-226.7	-.8	78.8	-.3	-206.0	.7	-206.0	.7
	13:25:47	73	-227.1	-.8	-223.9	-.9	78.0	-.6	-183.7	-7.7	-183.7	-7.7
	13:48:53	75	-228.8	-1.2	-225.6	-1.2	78.7	-.7	-197.0	-.8	-197.0	-.8
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L

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30	18:13:37	20	-226.2	-3.5	-222.9	-3.5	79.3	-.3	-223.0	.7	-223.0	.7
	18:43:28	21	-226.6	-2.1	-223.4	-2.2	79.5	-2.1	-220.3	7.2	-220.3	7.2
	20:18:11	49	-220.0	3.6	-216.8	3.6	79.0	-1.4	-219.0	6.6	-219.0	-1.1
	19:18:39	73	-224.5	-3.9	-221.3	-4.0	79.6	-2.4	-213.6	-4.7	-213.6	-4.7
	19:43:13	76	-222.8	-4.3	-219.6	-4.4	78.0	-2.0	-217.8	3.5	-217.8	3.5
	20: 3:12	77	-220.6	-6.0	-217.4	-6.1	78.9	-1.0	-219.2	-4.2	-219.2	5.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
31	5:19:38	1	-229.6	-.1	-226.6	-.1	75.0	.0	-314.0	1.8	-314.0	1.8
	7:12:48	3	-215.2	3.4	-212.0	3.3	79.0	-1.1	-71.5	-38.1	-71.5	-38.1
	4:44: 3	7	-225.2	-1.4	-222.3	-1.4	71.1	.9	-254.1	-12.8	-254.1	-9.0
	4:35:35	43	-223.9	1.7	-221.0	1.7	70.3	.3	-245.3	9.9	-245.3	-6.3
	5:41:28	45	-230.4	6.0	-227.3	6.0	76.5	-.8	-323.8	-43.7	-323.8	-18.5
	6: 5:43	46	-226.8	2.9	-223.7	3.0	77.5	.4	-348.0	1.8	-348.0	19.6
	6:45:29	47	-218.5	2.8	-215.3	2.8	79.0	-1.3	-146.9	-24.8	-146.9	-29.1

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
32	10:38:14	1	-230.3	.4	-227.3	.4	74.0	1.3	-307.2	-3.0	-309.1	-1.1
	8:43: 9	3	-213.9	4.0	-210.7	3.9	77.9	-.3	-57.7	-21.1	-82.2	3.4
	11:13: 9	7	-226.3	-.9	-223.4	-.9	70.9	1.1	-256.4	-1.0	-263.1	-6.6
	11:21:28	43	-225.2	1.6	-222.3	1.7	70.0	1.9	-258.5	16.9	-258.2	-1.7
	10:15:36	45	-230.4	6.4	-227.3	6.4	76.0	-.3	-338.8	-28.3	-343.3	1.1
	9:49:12	46	-226.1	4.3	-222.9	4.3	77.0	.9	-318.6	-27.7	-330.5	2.3
	9: 8:59	47	-216.4	3.7	-213.2	3.7	78.6	-.7	-119.5	-15.7	-141.5	3.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
33	14:29:53	1	-229.3	.2	-226.4	.2	74.0	1.6	-321.4	14.8	-308.5	2.0
	15: 4:37	2	-228.0	-1.1	-224.9	-1.1	76.0	.7	-362.1	-3.9	-349.5	-16.5
	16:26:49	3	-212.5	3.5	-209.4	3.5	78.0	-.8	-65.2	7.7	-56.1	-1.3
	13:55:54	7	-225.8	-1.6	-223.0	-1.5	69.2	2.6	-269.2	9.7	-265.1	-7.2
	13:47:28	43	-224.8	1.3	-222.0	1.4	70.0	2.6	-265.6	13.0	-260.8	-1.1
	14:52:34	45	-229.3	5.3	-226.3	5.3	75.0	.9	-351.6	-11.2	-344.7	7.4
	15:19:50	46	-224.8	3.5	-221.6	3.6	76.2	1.8	-334.3	-13.6	-323.0	-5.3
	16: 1: 1	47	-215.0	2.9	-211.9	3.0	78.0	.0	-117.6	-5.4	-116.9	-8.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
34	20:23:34	1	-230.1	1.0	-227.0	.9	76.0	-.6	-301.7	3.3	-294.9	-3.5
	19:47:50	2	-228.6	-.3	-225.4	-.4	77.4	-.4	-345.7	-15.0	-342.3	-18.5
	18:28:20	3	-212.2	3.4	-209.0	3.3	79.7	-2.2	-69.8	15.9	-60.3	6.5

	20:57:28	7	-226.9	-.7	-223.9	-.6	72.8	.2	-268.5	-.7	-260.2	-7.0
	20: 0:28	45	-229.7	6.0	-226.5	5.9	76.9	-1.0	-332.9	-16.5	-328.5	.3
	19:32:28	46	-225.6	4.4	-222.5	4.4	78.0	.0	-338.7	-10.2	-329.9	1.6
	18:52: 4	47	-215.0	3.8	-211.8	3.8	79.1	-1.2	-132.5	3.5	-128.0	-.3

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
35	23: 2:58	1	-229.6	.2	-226.5	.2	76.0	.0	-294.7	13.4	-294.7	13.4
	23:40:42	2	-227.7	-.6	-224.6	-.6	76.0	.1	-356.7	7.2	-356.7	7.2
	24:59:21	3	-213.1	3.5	-209.9	3.5	78.6	-.6	-102.1	21.8	-102.1	21.8
	24:19:38	4	-219.8	1.0	-216.7	1.1	77.0	2.0	-253.8	12.6	-253.8	12.6
	23:27: 3	45	-228.8	4.5	-225.7	4.5	76.4	-.7	-333.2	-5.2	-333.2	16.5
	23:56:31	46	-225.5	4.2	-222.4	4.3	77.0	.6	-349.2	-1.5	-349.2	18.2
	24:37:29	47	-215.7	3.0	-212.5	3.0	77.7	.5	-159.0	10.4	-159.0	10.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
36	5: 6:47	1	-228.0	-1.3	-224.9	-1.3	75.5	-.5	-254.4	-19.1	-270.0	-3.4
	4:29:16	2	-226.9	-1.7	-223.8	-1.7	76.3	-.2	-323.9	-23.3	-333.4	-13.9
	3:11:58	3	-213.6	3.5	-210.4	3.5	78.0	-.9	-112.8	15.6	-105.0	7.8
	3:50:53	4	-220.0	-.4	-216.9	-.4	77.3	1.3	-252.5	-1.6	-255.8	1.6
	5:38: 3	7	-225.7	-2.2	-222.7	-2.2	73.6	.4	-210.5	-12.2	-220.1	-1.7
	4:42:25	45	-227.4	2.8	-224.3	2.8	76.8	-1.2	-305.0	-30.2	-314.6	1.2
	4:12:44	46	-224.3	2.5	-221.2	2.5	77.0	.7	-329.1	-26.6	-334.8	1.7
	3:32:44	47	-215.9	1.9	-212.7	1.9	77.3	.7	-163.0	-1.7	-164.5	2.0

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
37	9: 4: 9	1	-228.5	-.9	-225.4	-.9	76.0	-1.0	-282.4	-4.8	-292.7	5.4
	9:38:34	2	-226.5	-2.4	-223.4	-2.4	77.4	-.5	-332.6	-19.9	-339.1	-13.4
	10:52:44	3	-211.7	3.3	-208.5	3.3	78.3	-.4	-63.6	-1.4	-64.5	-.5
	8:32:42	7	-225.5	-2.5	-222.6	-2.5	73.4	.5	-231.7	-30.2	-248.9	-5.8
	9:26: 5	45	-228.0	3.8	-224.9	3.8	76.7	-.9	-318.5	-23.6	-325.9	4.6
	9:53:27	46	-224.3	3.2	-221.1	3.2	77.4	.3	-322.5	-38.3	-324.2	-6.8
	10:31:21	47	-214.6	2.9	-211.4	2.8	78.6	-.6	-120.5	-19.4	-129.4	-9.5

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
38	14:31:37	1	-229.6	.1	-226.6	.1	74.4	1.3	-259.7	-.2	-259.7	-.2
	13:55: 3	2	-228.2	-.4	-225.1	-.4	76.5	-.5	-336.9	-.8	-336.9	-.8
	12:40:58	3	-214.7	4.4	-211.5	4.4	78.0	-.8	-122.8	8.9	-122.8	8.9
	13:16:46	4	-221.5	.6	-218.4	.7	77.0	2.0	-273.2	5.4	-273.2	5.4

	15: 2:37	7	-227.0	-1.3	-224.0	-1.3	72.7	1.3	-193.8	-7.7	-193.8	-5.1
	14: 7:15	45	-229.2	4.3	-226.2	4.3	75.2	.5	-310.9	-18.5	-310.9	3.6
	13:38:15	46	-226.0	3.9	-222.9	4.0	76.0	1.6	-345.9	-14.2	-345.9	9.7
	12:59:31	47	-217.2	3.0	-214.0	3.0	77.9	.2	-187.5	8.7	-187.5	7.3
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
39	17:19:35	2	-228.4	-.8	-225.3	-.8	76.8	-.8	-330.8	-3.7	-330.8	-3.7
	18:32:30	3	-215.9	4.2	-212.7	4.2	79.5	-2.5	-143.1	3.8	-143.1	3.8
	17:57:38	4	-222.2	.2	-219.0	.2	78.4	.4	-278.3	-12.2	-278.3	-12.2
	17: 7:23	45	-229.8	3.5	-226.7	3.4	76.7	-.9	-305.3	-19.6	-305.3	3.6
	17:36:35	46	-226.6	4.1	-223.4	4.2	78.0	-.8	-343.9	-22.7	-343.9	4.2
	18:15:18	47	-218.4	2.7	-215.2	2.7	78.3	-.5	-196.2	-12.6	-196.2	-10.4
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
40	21:59:11	1	-231.4	1.5	-228.3	1.4	76.0	-.9	-215.5	-.8	-208.2	-8.1
	21:19: 7	2	-230.7	.6	-227.6	.5	77.1	-1.1	-328.5	-2.4	-323.3	-7.5
	20: 4:57	3	-217.5	3.2	-214.3	3.1	79.0	-2.0	-177.1	15.3	-177.0	15.2
	20:40:22	4	-224.4	1.2	-221.2	1.2	78.3	-.2	-313.9	1.7	-308.8	-3.3
	21:32:31	45	-231.7	5.1	-228.5	5.0	76.8	-1.0	-289.6	-20.0	-288.0	-6.0
	21: 2: 5	46	-228.8	5.8	-225.6	5.8	78.2	-.7	-350.4	-20.5	-345.9	2.8
	20:21:48	47	-220.3	3.1	-217.1	3.0	79.0	-1.0	-234.5	-1.0	-234.0	.3
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
41	0:43:21	2	-230.2	-1.0	-227.1	-1.0	76.2	-.4	-338.6	8.1	-329.4	-1.1
	1:55: 4	3	-217.9	1.6	-214.8	1.5	77.1	-.9	-206.2	15.7	-194.7	4.2
	1:20:30	4	-224.2	.0	-221.1	.0	77.2	1.1	-329.7	1.0	-317.1	-11.6
	0:29:44	45	-230.5	3.0	-227.4	3.0	75.7	.0	-302.9	-3.1	-298.3	7.0
	0:59:25	46	-228.1	4.4	-225.0	4.5	76.7	.6	-359.9	-12.1	-352.0	6.9
	1:38:46	47	-220.3	1.8	-217.2	1.8	77.8	.2	-257.9	2.1	-245.4	-9.9
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
42	5:37:51	1	-231.3	.7	-228.3	.7	75.5	-.1	-183.8	-15.1	-199.0	.0
	4:56: 8	2	-231.4	-.5	-228.3	-.5	76.7	-1.7	-320.7	-17.6	-326.4	-11.9
	3:46:14	3	-220.7	2.3	-217.6	2.2	77.7	-1.7	-249.2	23.9	-242.4	17.1
	4:20: 8	4	-226.9	1.2	-223.8	1.2	76.5	1.9	-335.5	-8.4	-333.8	-10.2
	5:11: 4	45	-232.3	3.6	-229.2	3.6	75.9	-.1	-260.8	-40.7	-286.2	-3.1
	4:40:42	46	-229.9	5.5	-226.8	5.5	76.6	.4	-354.1	-19.1	-350.0	3.2
	4: 1:29	47	-223.1	2.4	-219.9	2.4	77.2	.8	-280.6	.4	-283.0	-1.5

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LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
43	8:58:24	31	-222.3	-1.7	-219.4	-1.7	70.6	-.3	-235.4	-9.9	-251.6	6.3
	8:39:53	32	-223.6	-1.6	-220.7	-1.7	71.8	-1.9	-241.5	-16.9	-259.9	1.7
	8:25:42	33	-223.5	-1.3	-220.6	-1.4	72.6	-2.6	-252.5	-13.0	-262.0	1.1
	9:13:12	44	-220.9	.0	-218.0	.0	70.3	-.4	-224.8	-41.0	-242.9	-4.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
44	20:20:47	1	-227.6	-2.0	-224.5	-2.0	74.2	-1.1	-335.3	24.4	-310.4	-.5
	22:14:59	3	-213.4	2.5	-210.2	2.4	79.7	-.8	-160.4	26.6	-128.3	-5.5
	19:44: 0	7	-222.4	-3.5	-219.5	-3.5	71.3	-.2	-279.6	23.3	-258.9	.7
	19:35:24	43	-220.8	.0	-218.0	.0	70.0	.4	-265.8	41.0	-247.5	4.6
	20:42:42	45	-227.8	3.9	-224.7	3.8	77.1	-1.3	-353.7	-8.8	-333.8	-9.2
	21: 6:27	46	-225.3	.1	-222.2	.1	77.8	-.1	-351.8	5.3	-320.6	-8.2
	21:46:41	47	-216.9	-.2	-213.6	-.3	79.3	-1.8	-229.5	20.2	-199.6	-5.4
	22:57:42	51	-205.6	-4.7	-202.4	-4.7	81.0	-2.1	76.5	30.6	**********	**********

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
45	17:56:20	6	-229.5	-5.6	-226.4	-5.5	75.3	.7	-311.5	16.7	-296.8	2.0
	15:19:38	31	-224.4	-6.0	-221.3	-6.0	75.7	.8	-367.5	43.7	-342.3	18.5
	15:37:29	32	-224.0	-6.4	-220.9	-6.4	75.7	.3	-367.1	28.3	-342.2	-1.1
	15:51:35	33	-224.0	-5.3	-221.0	-5.3	75.9	-.9	-362.8	11.2	-337.3	-7.4
	16: 8:13	34	-223.7	-6.0	-220.6	-5.9	75.9	1.0	-349.4	16.5	-328.2	-.3
	16:32:17	35	-224.4	-4.5	-221.3	-4.5	75.7	.7	-338.4	5.2	-316.7	-16.5
	16:42:30	36	-224.6	-2.8	-221.5	-2.8	75.6	1.2	-335.2	30.2	-313.4	-1.2
	16:21:32	37	-224.2	-3.8	-221.1	-3.8	75.9	.9	-342.0	23.6	-321.3	-4.6
	16:54:47	38	-224.9	-4.3	-221.8	-4.3	75.8	-.5	-329.4	18.5	-307.3	-3.6
	17: 7:22	39	-226.4	-3.5	-223.3	-3.5	75.9	.9	-324.8	19.6	-301.6	-3.6
	17:19:59	40	-226.6	-5.1	-223.5	-5.0	75.8	1.0	-309.6	20.0	-294.0	6.0
	17:29:12	41	-227.5	-3.0	-224.4	-3.0	75.8	.0	-306.0	3.1	-291.3	-7.0
	17:38:50	42	-228.7	-3.6	-225.6	-3.6	75.7	.1	-301.5	40.7	-289.3	3.1
	15: 7:27	44	-224.0	-3.9	-220.9	-3.8	75.8	1.3	-362.5	8.8	-343.0	9.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
46	23:30:25	8	-225.4	-3.9	-222.3	-3.9	77.0	-1.8	-327.1	7.4	-311.7	-3.1
	22:33:58	31	-223.9	-2.9	-220.7	-3.0	77.9	-.4	-346.2	-1.8	-328.4	-19.6
	22:15:52	32	-221.8	-4.3	-218.6	-4.3	77.9	-.9	-346.4	27.7	-328.3	-2.3
	22: 1:19	33	-221.2	-3.5	-218.1	-3.6	78.0	-1.8	-347.9	13.6	-328.3	5.3
	21:44:24	34	-221.2	-4.4	-218.1	-4.4	78.0	.0	-349.0	10.2	-328.3	-1.6

21:18:58	35	-221.3	-4.2	-218.1	-4.3	77.6	-.6	-350.7	1.5	-331.0	-18.2
21: 7:41	36	-221.8	-2.5	-218.6	-2.5	77.7	-.7	-355.8	26.6	-333.1	-1.7
21:30:20	37	-221.0	-3.2	-217.9	-3.2	77.8	-.3	-360.8	38.3	-331.0	6.8
20:55: 5	38	-222.0	-3.9	-218.9	-4.0	77.6	-1.6	-360.1	14.2	-336.1	-9.7
20:41:20	39	-222.4	-4.1	-219.3	-4.2	77.2	.8	-366.6	22.7	-339.7	-4.2
20:27:56	40	-223.0	-5.8	-219.8	-5.8	77.4	.7	-370.9	20.5	-343.1	-2.8
20:18:19	41	-223.7	-4.4	-220.6	-4.5	77.3	-.6	-372.1	12.1	-345.1	-6.9
20: 8: 3	42	-224.4	-5.5	-221.3	-5.5	77.0	-.4	-373.2	19.1	-346.9	-3.2
22:45:33	44	-225.2	-.1	-222.1	-.1	77.8	.1	-346.5	-5.3	-328.8	8.2
23:55:55	49	-223.2	3.3	-220.1	3.2	76.2	-1.4	-303.7	12.0	-290.4	-2.4
23: 7:17	50	-225.8	-2.3	-222.6	-2.3	77.5	.2	-343.0	19.8	-325.1	1.8
24:40: 8	76	-221.9	-4.3	-218.9	-4.4	75.5	-.5	-269.9	18.9	-260.3	9.3
24:13:41	77	-222.5	-5.5	-219.4	-5.5	76.2	-.2	-287.1	2.0	-275.3	-1.1
24:57:56	78	-221.9	-4.4	-218.8	-4.5	75.3	-1.3	-263.4	2.8	-254.4	5.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
47	7:10: 1	5	-229.1	-2.5	-225.9	-2.6	78.0	-1.7	-366.9	-10.0	-368.4	-8.5
	6:42:18	6	-225.0	-3.3	-221.8	-3.3	77.8	-.7	-334.7	-3.0	-331.6	-6.2
	3: 9:16	8	-221.9	-3.8	-218.8	-3.8	76.8	-.2	-272.9	6.5	-270.2	2.8
	4: 5:19	31	-215.7	-2.8	-212.5	-2.8	77.7	1.3	-171.6	24.8	-176.0	29.1
	4:23:10	32	-212.7	-3.7	-209.5	-3.7	77.9	.7	-135.2	15.7	-138.0	-3.6
	4:37: 2	33	-212.1	-2.9	-208.9	-3.0	78.0	.0	-123.0	5.4	-125.6	8.7
	4:52:43	34	-211.2	-3.8	-208.0	-3.8	77.9	1.2	-129.0	-3.5	-126.4	.3
	5:17: 6	35	-212.7	-3.0	-209.5	-3.0	78.2	-.5	-148.6	-10.4	-148.4	-10.6
	5:28:26	36	-214.0	-1.9	-210.9	-1.9	78.0	-.7	-164.6	1.7	-162.6	-2.0
	5: 6:48	37	-211.8	-2.9	-208.6	-2.8	77.9	.6	-139.9	19.4	-138.9	9.5
	5:39:58	38	-214.2	-3.0	-211.0	-3.0	78.0	-.2	-178.7	-8.7	-180.1	-7.3
	5:53:16	39	-215.6	-2.7	-212.5	-2.7	77.8	.5	-208.9	12.6	-206.6	10.4
	6: 4:54	40	-217.2	-3.1	-214.0	-3.0	78.0	1.0	-235.5	1.0	-233.6	-.3
	6:13:43	41	-218.5	-1.8	-215.4	-1.8	78.0	-.2	-255.9	-2.1	-255.3	9.9
	6:23:49	42	-220.7	-2.4	-217.5	-2.4	78.0	-.8	-280.2	-.4	-284.5	1.5
	3:54:57	44	-217.0	.2	-213.9	.3	77.6	1.8	-209.2	-20.2	-205.0	5.4
	3:32: 0	50	-220.7	-2.1	-217.6	-2.0	76.4	2.5	-252.8	2.7	-252.8	2.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
48	20:59:34	50	-216.8	-1.8	-213.6	-1.8	78.9	.3	-188.7	24.2	-188.7	24.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
49	7:13:12	1	-217.8	-6.8	-214.9	-6.7	71.0	1.5	-251.7	-9.5	-253.4	-7.8

	5: 8:28	30	-216.4	-3.6	-213.3	-3.6	77.6	1.4	-212.4	-6.6	-220.1	1.1
	6:30:20	46	-220.0	-3.3	-216.9	-3.2	74.8	1.4	-291.8	-12.0	-292.8	2.4
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
50	9:43:36	1	-228.1	-.2	-225.1	-.2	75.1	.5	-314.0	-.9	-314.0	-.9
	10:27: 9	46	-228.0	2.3	-224.9	2.3	77.7	-.2	-323.3	-19.8	-323.3	-1.8
	11: 7:41	47	-222.8	2.1	-219.6	2.0	78.8	-2.5	-250.1	-2.7	-250.1	-2.7
	11:37:29	48	-218.7	1.8	-215.4	1.8	79.2	-.3	-164.5	-24.2	-164.5	-24.2
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
51	14: 6:43	44	-210.3	4.7	-207.1	4.7	78.9	2.1	107.1	-30.6	107.1	*********
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
52	20:11:59	20	-223.1	-2.3	-220.1	-2.2	75.3	.7	-228.9	7.8	-228.9	7.8
	19:42: 9	21	-223.2	-3.0	-220.1	-3.0	75.7	.3	-247.7	10.7	-247.7	10.7
	19: 7:22	73	-223.8	-3.4	-220.7	-3.4	76.0	.0	-261.2	-1.2	-261.2	-1.2
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
53	26:55:41	54	-225.0	2.4	-222.3	2.4	67.2	-1.1	-287.5	17.2	-287.5	17.2
	26:27:53	55	-225.3	.9	-222.6	.9	67.0	.5	-282.0	15.1	-282.0	11.4
	26:10:16	57	-225.6	-.6	-222.9	-.6	66.8	-.6	-273.7	15.1	-273.7	20.9
	25:48:45	58	-226.1	-2.3	-223.4	-2.4	66.8	.5	-260.5	-.6	-260.5	6.1
	25:32:34	59	-226.1	-1.3	-223.4	-1.3	66.6	-1.6	-249.6	14.2	-249.6	10.2
	25:17:23	60	-226.3	-2.4	-223.6	-2.5	65.1	.8	-232.8	7.5	-232.8	7.5
	24:51:36	61	-226.4	-1.6	-223.8	-1.7	64.3	-.7	-205.5	-2.9	-205.5	-2.9
	24:36:47	62	-226.5	-1.9	-223.8	-1.9	64.6	-.6	-194.8	2.7	-194.8	2.7
	24:21: 7	63	-225.8	-.3	-223.2	-.3	64.1	-1.0	-184.0	16.8	-184.0	16.8
	24: 6:35	64	-225.8	7.2	-223.2	7.2	64.0	-.2	-172.1	12.0	-172.1	12.0
	23:46: 8	65	-224.3	4.0	-221.7	3.9	64.1	-1.2	-151.9	14.8	-151.9	14.8
	23:25:34	66	-222.8	5.1	-220.1	5.1	64.1	-.1	-130.7	10.2	-130.7	10.2
	23: 3:59	67	-219.6	2.5	-216.9	2.4	64.3	-1.7	-102.8	5.2	-102.8	5.2
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
54	7:11: 3	53	-222.6	-2.4	-219.9	-2.4	66.1	1.1	-270.3	-17.2	-270.3	-17.2
	6:24:56	81	-220.9	.9	-218.1	.9	67.9	.1	-282.7	-1.1	-282.7	-1.1
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
55	10:41:44	53	-224.3	-.9	-221.6	-.9	67.5	-.5	-266.9	-15.1	-270.5	-11.4

	11:26: 8	81	-223.9	2.7	-221.0	2.6	69.9	-1.8	-253.9	1.0	-259.0	6.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
56	13:58:25	81	-223.7	2.6	-220.9	2.6	69.3	-1.2	-254.6	2.4	-254.6	2.4
	14:49:15	82	-221.0	1.3	-218.2	1.3	70.0	.0	-230.8	13.4	-230.8	13.4
	14:23:13	83	-222.2	.3	-219.4	.3	70.0	-2.0	-249.5	-11.4	-249.5	-11.4
	15:52:17	84	-226.1	.9	-223.0	.8	74.7	-1.2	-197.3	16.3	-197.3	16.5
	15:10:41	85	-221.4	1.1	-218.6	1.0	70.1	-2.0	-206.9	3.4	-206.9	9.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
57	20:55:24	53	-226.2	.6	-223.4	.6	66.2	.6	-258.5	-15.1	-252.7	-20.9
	20:11:12	81	-225.1	3.1	-222.3	3.1	68.1	-.8	-261.7	7.6	-256.1	1.9
	19:20:35	82	-222.4	.6	-219.6	.7	68.9	.5	-227.8	9.8	-219.9	1.9
	19:46:53	83	-224.0	.1	-221.2	.0	68.5	-2.0	-256.6	-13.6	-252.2	-18.1
	18:17:36	84	-224.7	-.7	-221.6	-.7	74.0	-.5	-164.5	10.6	-156.1	-1.7
	18:58:50	85	-222.4	.1	-219.5	.0	69.2	-.1	-186.1	9.3	-183.2	-2.2

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
58	24:34: 2	53	-228.4	2.3	-225.7	2.4	67.2	-.5	-261.2	.6	-254.4	-6.1
	25:18: 1	81	-228.9	4.5	-226.1	4.5	68.2	-1.1	-263.0	13.3	-256.6	6.9
	26: 8:56	82	-226.5	3.0	-223.7	3.0	69.0	.6	-210.1	.7	-202.5	-7.0
	25:42:31	83	-227.9	2.7	-225.1	2.7	69.1	-2.0	-235.8	-19.8	-235.7	-19.9
	27:10:20	84	-227.6	2.2	-224.6	2.2	75.0	-1.6	-156.6	15.0	-151.5	9.5
	26:30:12	85	-226.5	2.6	-223.6	2.5	72.0	-1.0	-182.3	11.7	-171.1	-6.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
59	8:18:47	53	-227.4	1.3	-224.7	1.3	65.0	1.6	-235.4	-14.2	-239.4	-10.2
	7:36:38	68	-227.6	8.8	-224.9	8.9	67.2	1.2	-237.9	-2.8	-240.6	-.1
	6:48:17	82	-224.4	-.1	-221.7	-.1	67.7	2.1	-194.3	-.6	-198.2	3.3
	7:13:35	83	-226.2	.1	-223.5	.1	67.8	-.4	-203.7	-26.8	-214.4	-16.1
	5:49:39	84	-225.4	-.1	-222.4	-.1	74.3	-.3	-140.7	3.7	-144.9	2.1
	6:27:36	85	-224.6	.4	-221.9	.3	71.0	.0	-180.5	7.6	-178.5	-.4

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
60	11:46: 7	53	-228.7	2.4	-226.1	2.5	65.9	-.8	-225.3	-7.5	-225.3	-7.5
	12:28:39	68	-228.8	9.1	-226.0	9.1	69.0	-.1	-220.4	-3.6	-220.4	-3.6
	13:16:47	82	-225.9	1.4	-223.1	1.4	70.3	-1.0	-182.7	-3.9	-182.7	-3.9
	12:51:20	83	-227.9	1.7	-225.1	1.6	69.0	-1.9	-195.4	-24.6	-195.4	-24.6
	14:15:37	84	-227.0	1.9	-223.9	1.8	75.6	-1.3	-152.5	.6	-152.5	-4.4

	13:37:40	85	-226.7	2.0	-223.7	1.9	73.8	-1.9	-183.4	15.2	-183.4	-1.3
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
61	19:19: 2	53	-228.1	1.6	-225.5	1.7	63.6	.7	-208.4	2.9	-208.4	2.9
	18:33:30	68	-227.3	6.0	-224.6	6.0	67.2	.8	-219.1	9.6	-219.1	9.6
	18:10: 2	80	-226.6	3.9	-223.8	3.9	67.5	-1.5	-210.7	13.8	-210.7	13.8
	17:44:17	82	-225.5	1.1	-222.6	1.0	69.0	1.0	-200.2	.5	-200.2	.5
	16:46:11	84	-226.0	.4	-223.0	.3	74.7	-.1	-216.5	7.6	-216.5	13.2
	17:23: 8	85	-226.2	.5	-223.2	.5	72.1	-.1	-216.2	18.8	-216.2	13.6
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
62	22:49:26	53	-228.3	1.9	-225.7	1.9	64.0	.6	-192.1	-2.7	-192.1	-2.7
	23:34:32	68	-227.6	6.5	-224.9	6.5	68.8	-1.8	-208.9	7.6	-208.9	7.6
	23:55:42	80	-226.8	4.1	-224.0	4.0	68.1	-2.9	-219.8	10.4	-219.8	10.4
	24:25:22	82	-226.2	1.4	-223.4	1.4	71.0	-.6	-212.2	-1.0	-212.2	-1.0
	25:26:34	84	-227.0	1.4	-223.9	1.3	75.4	-1.6	-230.5	10.3	-230.5	14.4
	24:47:28	85	-226.6	.9	-223.6	.9	74.0	-1.0	-224.8	16.6	-224.8	11.8
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
63	10:24:28	53	-226.1	.3	-223.5	.3	63.1	1.0	-167.2	-16.8	-167.2	-16.8
	9:41:34	68	-224.9	4.9	-222.2	4.	66.6	.0	-183.4	-5.5	-183.4	-5.5
	9:23:11	80	-224.4	1.9	-221.7	1.9	67.4	-1.4	-203.0	-6.4	-203.0	-6.4
	8:53:11	82	-223.1	-1.2	-220.2	-1.2	70.0	1.2	-206.0	-8.4	-206.0	-8.4
	7:54:41	84	-224.1	-2.0	-221.1	-1.9	74.0	.0	-213.3	-.7	-213.3	-5.1
	8:31:44	85	-223.3	-1.4	-220.3	-1.3	73.0	1.0	-218.5	10.7	-218.5	-1.7
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
64	13:46:20	53	-218.6	-7.2	-216.0	-7.2	63.8	.2	-160.1	-12.0	-160.1	-12.0
	14:32:51	68	-216.5	-3.9	-213.7	-3.9	68.0	-1.4	-187.0	7.1	-187.0	7.1
	14:51:28	80	-213.7	-8.7	-210.9	-8.8	69.0	-2.0	-203.0	4.2	-203.0	4.2
	15:25:19	82	-216.2	-7.2	-213.2	-7.2	73.1	-1.0	-214.0	-4.5	-214.0	-4.5
	16:27:22	84	-221.1	-4.9	-218.0	-5.0	74.2	-.6	-220.0	6.7	-220.0	-2.1
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
65	22:20:37	53	-220.3	-4.0	-217.8	-3.9	62.9	1.2	-137.0	-14.8	-137.0	-14.8
	21:25:41	80	-220.9	-.5	-218.2	-.5	68.0	-1.0	-175.2	-1.0	-175.2	-1.0
	20:51: 2	82	-218.4	-2.5	-215.4	-2.5	72.0	1.0	-197.3	-7.6	-197.3	-7.6
	19:54:25	84	-222.1	-4.6	-219.1	-4.6	74.7	.1	-221.5	7.3	-221.5	-7.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
66	1:27:46	53	-217.7	-5.1	-215.1	-5.1	64.0	.1	-120.5	-10.2	-120.5	-10.2
	2:21:55	80	-216.1	-4.3	-213.3	-4.3	70.0	-2.1	-158.2	11.2	-158.2	11.2
	3:59: 2	84	-220.3	-6.6	-217.2	-6.6	76.0	-1.0	-242.3	22.4	-242.3	9.0
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
67	7:59: 2	53	-217.1	-2.5	-214.5	-2.4	62.6	1.7	-97.6	-5.2	-97.6	-5.2
	7:13:13	80	-218.5	-.4	-215.7	-.4	69.1	-.9	-103.7	-1.1	-103.7	-1.1
	5:48: 3	84	-225.9	-1.4	-222.8	-1.4	76.9	.1	-245.5	16.1	-245.5	6.6
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
68	12:16:26	59	-218.8	-8.8	-216.0	-8.9	68.4	-1.2	-240.7	2.8	-240.7	.1
	12: 1:52	60	-219.7	-9.1	-217.0	-9.1	68.9	.1	-224.1	3.6	-224.1	3.6
	11:37: 6	61	-221.3	-6.0	-218.6	-6.0	68.0	-.8	-209.5	-9.6	-209.5	-9.6
	11:22:50	62	-221.2	-6.5	-218.4	-6.5	67.0	1.8	-201.3	-7.6	-201.3	-7.6
	11: 7:30	63	-220.1	-4.9	-217.4	-4.9	66.6	.0	-188.9	5.5	-188.9	5.5
	10:53:15	64	-220.4	3.9	-217.7	3.9	66.6	1.4	-179.9	-7.1	-179.9	-7.1
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
69	5:28:29	79	-221.0	-1.3	-218.8	-1.3	54.3	.4	-318.5	15.0	-305.1	1.6
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
70	10:19:29	79	-222.7	-.5	-220.6	-.5	52.0	1.7	-289.5	-1.6	-294.3	3.1
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
71	13:50:39	79	-222.4	-1.3	-220.3	-1.3	51.7	1.3	-306.7	18.2	-306.7	18.2
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
72	16:11:19	79	-221.1	-1.4	-219.0	-1.5	52.8	-.6	-285.8	9.7	-285.8	9.7
LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
73	20:52:19	1	-222.4	3.0	-219.5	3.0	70.7	.6	-258.4	19.0	-258.4	19.0
	24:46:24	9	-225.6	.0	-222.4	.0	78.8	-.6	-99.2	3.6	-99.2	3.6
	25:16: 6	11	-230.0	.2	-226.8	.2	79.2	-.2	-134.1	2.3	-134.1	2.3
	25:55:41	12	-233.0	-1.4	-229.7	-1.4	79.7	.3	-189.1	-12.9	-189.1	-12.9
	25:33:19	23	-232.2	2.6	-228.9	2.6	79.6	-.6	-178.9	3.3	-178.9	3.3
	24:19:35	28	-226.4	1.2	-223.2	1.2	78.2	-.2	-156.4	.9	-156.4	-20.3
	24: 0:43	29	-227.9	.8	-224.8	.9	77.4	.6	-191.3	7.7	-191.3	7.7

	22:57:49	30	-228.4	3.9	-225.3	4.0	77.2	2.4	-218.3	4.7	-218.3	4.7
	21:59:24	52	-227.3	3.4	-224.2	3.4	76.0	.0	-262.3	1.2	-262.3	1.2
	26:38:15	74	-231.6	-.4	-228.4	-.4	81.0	.0	-194.1	3.9	-194.1	3.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
74	6:19:59	22	-232.5	3.2	-229.2	3.2	81.0	.0	-203.8	1.2	-203.8	1.2
	6:35: 0	73	-232.0	.4	-228.7	.4	81.0	.0	-190.2	-3.9	-190.2	-3.9
	7: 0:11	75	-231.5	.6	-228.2	.5	81.0	-1.5	-183.5	1.9	-183.5	1.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	.XL-L
75	11:14:57	9	-226.9	-.2	-223.7	-.2	78.0	.2	-140.8	-1.1	-140.8	-1.1
	10:47:30	11	-229.7	.3	-226.5	.3	78.5	.5	-156.4	-1.4	-156.4	-1.4
	10:11: 3	12	-232.8	-.3	-229.6	-.3	79.0	.3	-194.1	-6.2	-194.1	-6.2
	10:31:36	23	-231.7	3.0	-228.5	3.0	78.8	.2	-193.2	2.4	-193.2	2.4
	11:39:48	28	-228.9	1.2	-225.7	1.3	78.0	.0	-184.0	3.8	-184.0	-12.2
	11:57:57	29	-229.9	1.2	-226.7	1.2	78.0	.7	-197.8	.8	-197.8	.8
	9:31:20	74	-230.9	-.6	-227.6	-.5	79.5	1.5	-181.6	-1.9	-181.6	-1.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
76	16:20:13	1	-223.5	3.1	-220.5	3.1	72.0	1.3	-232.3	11.6	-232.3	11.6
	14:19: 1	30	-227.1	4.3	-224.0	4.4	76.0	2.0	-214.3	-3.5	-214.3	-3.5
	15:41:40	46	-226.3	4.3	-223.2	4.4	75.0	.5	-250.9	-18.9	-250.9	-9.3

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
77	19: 2:10	1	-225.8	3.8	-222.8	3.8	74.0	-.9	-245.3	17.7	-237.9	10.3
	21: 0:16	30	-226.6	6.0	-223.5	6.1	77.9	1.0	-223.4	4.2	-213.4	-5.7
	19:42:55	46	-228.0	5.5	-225.0	5.5	76.0	.2	-285.0	-2.0	-276.4	1.1

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
78	24:12:56	1	-223.3	2.9	-220.4	3.0	70.1	2.3	-243.9	20.9	-230.1	7.1
	23:33:44	46	-226.3	4.4	-223.3	4.5	74.0	1.3	-260.6	-2.8	-248.7	-5.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
79	4:27: 4	69	-222.3	1.3	-220.1	1.3	54.7	-.4	-303.5	-15.0	-303.5	-1.6
	4: 3: 0	70	-223.2	.5	-221.1	.5	53.7	-1.7	-291.1	1.6	-291.1	-3.1
	3:35:15	71	-223.7	1.3	-221.6	1.3	53.0	-1.3	-288.6	-18.2	-288.6	-18.2
	3:19:46	72	-222.5	1.4	-220.4	1.5	52.2	.6	-276.0	-9.7	-276.0	-9.7

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
80	12:23:24	61	-222.6	-3.9	-220.0	-3.9	66.0	1.5	-196.9	-13.8	-196.9	-13.8
	12: 7:34	62	-222.7	-4.1	-220.0	-4.0	65.2	2.9	-209.4	-10.4	-209.4	-10.4
	11:51: 3	63	-222.5	-1.9	-219.8	-1.9	66.0	1.4	-209.4	6.4	-209.4	6.4
	11:35:45	64	-222.4	8.7	-219.7	8.8	67.0	2.0	-198.8	-4.2	-198.8	-4.2
	11:13:37	65	-221.4	.5	-218.7	.5	67.0	1.0	-176.3	1.0	-176.3	1.0
	10:51:24	66	-220.4	4.3	-217.6	4.3	67.9	2.1	-147.0	-11.2	-147.0	-11.2
	10:28:23	67	-218.9	.4	-216.1	.4	68.1	.9	-104.8	1.1	-104.8	1.1

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
81	15:58:47	54	-220.0	-.9	-217.3	-.9	68.0	-.1	-283.7	1.1	-283.7	1.1
	15:26:15	55	-221.2	-2.7	-218.4	-2.6	68.0	1.8	-252.9	-1.0	-252.9	-6.2
	15:26:44	56	-221.1	-2.6	-218.4	-2.6	68.1	1.2	-252.2	-2.4	-252.2	-2.4
	15: 6:36	57	-222.0	-3.1	-219.2	-3.1	67.3	.8	-254.2	-7.6	-254.2	-1.9
	14:43: 0	58	-224.4	-4.5	-221.6	-4.5	67.0	1.1	-249.7	-13.3	-249.7	-6.9

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
82	18: 5: 3	56	-219.7	-1.3	-216.9	-1.3	70.0	.0	-217.4	-13.4	-217.4	-13.4
	18:23: 9	57	-221.8	-.6	-218.9	-.7	69.5	-.5	-218.1	-9.8	-218.1	-1.9
	18:45:18	58	-223.5	-3.0	-220.7	-3.0	69.6	-.6	-209.5	-.7	-209.5	7.0
	19: 0:18	59	-224.6	.1	-221.8	.1	69.8	-2.1	-194.9	.6	-194.9	-3.3
	19:15:36	60	-224.5	-1.4	-221.7	-1.4	69.2	1.0	-186.5	3.9	-186.5	3.9
	19:42:25	61	-224.4	-1.1	-221.6	-1.0	70.0	-1.0	-199.7	-.5	-199.7	-.5
	19:58:25	62	-224.8	-1.4	-222.0	-1.4	70.4	.6	-213.2	1.0	-213.2	1.0
	20:15:14	63	-224.3	1.2	-221.4	1.2	71.2	-1.2	-214.4	8.4	-214.4	8.4
	20:30:51	64	-223.4	7.2	-220.4	7.2	72.1	1.0	-218.5	4.5	-218.5	4.5
	20:54: 3	65	-220.8	2.5	-217.9	2.5	73.0	-1.0	-204.9	7.6	-204.9	7.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
83	24:31:47	56	-221.9	-.3	-219.1	-.3	68.0	2.0	-260.9	11.4	-260.9	11.4
	24:13:38	57	-223.9	-.1	-221.2	.0	56.5	2.0	-270.2	13.6	-270.2	18.1
	23:51:27	58	-225.2	-2.7	-222.4	-2.7	67.1	2.0	-255.6	19.8	-255.6	19.9
	23:36:10	59	-226.1	-.1	-223.4	-.1	67.4	.4	-230.6	26.8	-230.6	16.1
	23:20:50	60	-226.2	-1.7	-223.4	-1.6	67.1	1.9	-220.0	24.6	-220.0	24.6

LINE	TIME	X-LINE	SFAG	XL-L	S2DB	XL-L	WATR	XL-L	SMEN	XL-L	FENF	XL-L
84	3:14: 8	56	-225.2	-.9	-222.2	-.8	73.5	1.2	-181.0	-16.3	-180.9	-16.5
	3:31:27	57	-225.4	.7	-222.4	.7	73.5	.5	-153.9	-10.6	-157.8	1.7
	3:53: 5	58	-225.4	-2.2	-222.4	-2.2	73.4	1.6	-141.5	-15.0	-142.0	-9.5

****** INTERSECTION STATISTICS ******

LINE 1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-1.85	-227.20	-228.52	-.44	-.30	-1.62	-228.82
	20	-6.45	-209.86	-211.18	-2.43	-1.06	-2.39	-212.24
	21	-5.25	-214.32	-215.64	-1.90	-.86	-2.18	-216.50
	31	.06	-229.69	-231.01	.65	.38	-.95	-230.63
	32	-.39	-229.91	-231.24	.79	.48	-.84	-230.76
	33	-.18	-229.17	-230.49	.32	.23	-1.10	-230.26
	34	-.97	-229.12	-230.44	.25	.17	-1.16	-230.27
	35	-.20	-229.37	-230.70	.45	.33	-.99	-230.37
	36	1.26	-229.27	-230.59	.74	.44	-.88	-230.15
	37	.89	-229.40	-230.72	.64	.37	-.96	-230.36
	38	-.06	-229.56	-230.88	.61	.40	-.92	-230.48
	40	-1.46	-229.93	-231.25	-.16	-.08	-1.41	-231.33
	42	-.71	-230.64	-231.96	-.16	-.08	-1.40	-232.04
	44	2.00	-229.55	-230.87	.51	.25	-1.07	-230.62
	49	6.81	-224.61	-225.93	.98	.44	-.88	-225.48
	50	.21	-228.34	-229.66	-.18	-.14	-1.47	-229.80
	73	-2.97	-219.43	-220.76	.57	.29	-1.03	-220.46
	76	-3.11	-220.36	-221.68	-.48	-.23	-1.55	-221.91
	77	-3.84	-221.92	-223.25	.02	.01	-1.32	-223.24
	78	-2.94	-220.36	-221.69	-.77	-.41	-1.73	-222.09

LINE 2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	1.06	-236.10	-236.28	-.11	-.07	-.25	-236.35
	6	-1.28	-233.43	-233.61	-.93	-.33	-.51	-233.93
	33	1.15	-229.11	-229.29	.50	.29	.11	-229.00
	34	.32	-228.91	-229.09	.40	.21	.03	-228.88
	35	.57	-228.27	-228.45	.08	.05	-.13	-228.40
	36	1.70	-228.62	-228.80	.04	.02	-.17	-228.79
	37	2.39	-228.93	-229.11	1.00	.42	.24	-228.69
	38	.37	-228.54	-228.72	-.10	-.05	-.23	-228.78
	39	.78	-229.18	-229.36	.09	.04	-.15	-229.33
	40	-.57	-230.15	-230.33	-.41	-.16	-.34	-230.49
	41	.96	-231.15	-231.34	-.44	-.15	-.33	-231.49
	42	.47	-231.92	-232.10	-.13	-.04	-.22	-232.14

LINE 3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-2.97	-223.10	-227.27	1.37	.68	-3.49	-226.59
	31	-3.36	-211.84	-216.01	.07	.04	-4.13	-215.97
	32	-4.02	-209.90	-214.07	.01	.00	-4.16	-214.06
	33	-3.50	-209.04	-213.21	-.17	-.12	-4.28	-213.33
	34	-3.41	-208.83	-212.99	.64	.43	-3.73	-212.56
	35	-3.52	-209.57	-213.74	-.03	-.03	-4.19	-213.76
	36	-3.51	-210.07	-214.24	-1.19	-.71	-4.88	-214.95
	37	-3.31	-208.35	-212.52	-.72	-.41	-4.57	-212.92
	38	-4.43	-210.26	-214.42	-.92	-.61	-4.77	-215.03
	39	-4.23	-211.62	-215.79	-.95	-.53	-4.69	-216.32
	40	-3.20	-214.28	-218.44	.94	.51	-3.66	-217.94
	41	-1.60	-216.34	-220.51	.99	.49	-3.68	-220.02
	42	-2.28	-218.43	-222.59	1.11	.53	-3.64	-222.06
	44	-2.51	-210.89	-215.05	-1.16	-.57	-4.73	-215.62

LINE 4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	.23	-233.47	-235.00	.42	.24	-1.29	-234.76
	6	-2.65	-228.60	-230.14	-.95	-.31	-1.84	-230.44
	35	-1.02	-218.79	-220.33	-.16	-.09	-1.63	-220.42
	36	.40	-220.44	-221.97	.09	.04	-1.50	-221.93
	38	-.60	-220.92	-222.45	.28	.13	-1.40	-222.32
	39	-.21	-222.00	-223.53	.45	.17	-1.36	-223.36
	40	-1.24	-223.17	-224.70	.27	.10	-1.43	-224.60
	41	.03	-224.24	-225.77	-.01	.00	-1.54	-225.77
	42	-1.17	-225.76	-227.30	-.41	-.13	-1.66	-227.42

LINE 5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-1.06	-235.04	-236.39	.11	.04	-1.31	-236.35
	4	-.23	-233.23	-234.58	-.42	-.17	-1.52	-234.76
	47	2.52	-231.63	-232.98	.30	.13	-1.22	-232.85

LINE 6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	1.28	-234.71	-234.54	.93	.60	.78	-233.93
	3	2.97	-226.07	-225.90	-1.37	-.69	-.52	-226.59
	4	2.65	-231.25	-231.08	.95	.64	.81	-230.44
	45	5.58	-235.07	-234.89	-.03	-.02	.15	-234.91
	47	3.27	-228.24	-228.07	-.48	-.33	-.16	-228.40

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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.*
		31	1.45	-226.61	-225.91	.01	.00	.70	-225.91
		32	.95	-227.24	-226.54	.11	.03	.72	-226.51
		33	1.58	-227.42	-226.72	.05	.02	.72	-226.70
		34	.68	-227.58	-226.88	-.12	-.04	.66	-226.92
		36	2.20	-227.90	-227.20	-.34	-.08	.62	-227.28
		37	2.54	-228.08	-227.38	.28	.06	.76	-227.32
		38	1.33	-228.35	-227.65	-.03	-.01	.69	-227.66
		44	3.54	-225.94	-225.24	.03	.01	.70	-225.24
*LINE	8*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	1.85	-229.05	-228.96	.44	.14	.23	-228.82
		46	3.89	-229.32	-229.23	-.56	-.17	-.08	-229.40
		47	3.77	-225.67	-225.59	.11	.06	.14	-225.53
*LINE	9*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		16	-1.48	-232.73	-229.97	-.42	-.26	2.49	-230.23
		17	6.19	-232.07	-229.32	1.31	.24	2.99	-229.08
		18	-.28	-230.94	-228.19	-.10	-.06	2.69	-228.25
		19	1.05	-231.47	-228.72	.40	.19	2.94	-228.53
		20	-.51	-230.05	-227.29	-.57	-.20	2.56	-227.49
		21	.72	-228.29	-225.54	.00	.00	2.75	-225.55
		73	-.03	-225.57	-222.82	-.56	-.23	2.52	-223.06
		75	.24	-227.10	-224.35	-.05	-.02	2.73	-224.37
*LINE	10*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-1.80	-230.89	-229.35	-.76	-.40	1.14	-229.75
		15	-1.77	-231.08	-229.54	.41	.16	1.71	-229.37
		16	-1.92	-230.27	-228.73	.34	.20	1.75	-228.53
*LINE	11*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	1.80	-232.69	-230.10	.76	.35	2.94	-229.75
		15	-.67	-232.19	-229.61	.47	.17	2.76	-229.43
		16	-1.06	-231.13	-228.55	.16	.09	2.68	-228.45
		17	3.83	-229.93	-227.34	-.88	-.14	2.45	-227.48
		18	-.20	-228.11	-225.52	.14	.08	2.66	-225.45
		19	.73	-228.92	-226.34	.24	.10	2.69	-226.24
		20	.03	-228.02	-225.43	.14	.04	2.63	-225.39
		21	.54	-229.19	-226.60	-.02	-.01	2.58	-226.61
		73	-.23	-229.75	-227.17	-.59	-.22	2.37	-227.38
		75	-.29	-229.37	-226.79	-.42	-.15	2.43	-226.94
*LINE	12*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-.37	-231.76	-228.39	-.01	.00	3.37	-228.39
		14	-.99	-227.49	-224.11	.79	.44	3.82	-223.67
		15	.31	-226.91	-223.53	.66	.33	3.70	-223.20
		16	-.06	-226.80	-223.43	.37	.26	3.63	-223.17
		17	3.11	-227.03	-223.65	-2.39	-.57	2.81	-224.22
		18	.74	-229.20	-225.83	.29	.19	3.57	-225.64
		19	2.03	-227.86	-224.48	.75	.42	3.79	-224.06
		20	1.07	-230.56	-227.19	.40	.17	3.54	-227.02
		21	1.16	-232.49	-229.12	-.19	-.08	3.29	-229.20
		22	3.42	-234.07	-230.70	-.45	-.30	3.07	-231.00
		24	5.68	-230.20	-226.83	.58	.40	3.77	-226.43
		27	1.47	-228.15	-224.78	-.43	-.30	3.08	-225.07
		73	1.37	-234.37	-230.99	.21	.11	3.48	-230.89
		75	.32	-233.12	-229.75	-.59	-.29	3.08	-230.04
*LINE	13*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	.37	-232.13	-228.39	.01	.00	3.74	-228.39
		23	6.30	-232.62	-228.88	.20	.04	3.78	-228.84
		25	2.47	-229.18	-225.44	.24	.14	3.88	-225.31
		26	2.65	-231.51	-227.77	-.44	-.23	3.51	-228.01
*LINE	14*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	.99	-228.48	-223.32	-.79	-.35	4.81	-223.67
		23	8.28	-231.66	-226.50	.76	.26	5.42	-226.24
		26	4.55	-226.57	-221.41	.03	.02	5.19	-221.38
*LINE	15*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	1.77	-232.85	-229.13	-.41	-.25	3.48	-229.37
		11	.67	-232.86	-229.14	-.47	-.30	3.43	-229.43
		12	-.31	-226.59	-222.87	-.66	-.33	3.39	-223.20
		23	7.65	-230.44	-226.71	1.56	.62	4.35	-226.09
		26	3.06	-223.63	-219.90	-.02	-.01	3.71	-219.91
*LINE	16*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*

	9	1.48	-234.21	-230.40	.42	.16	3.97	-230.23
	10	1.92	-232.20	-228.39	-.34	-.14	3.67	-228.53
	11	1.06	-232.19	-228.38	-.16	-.07	3.74	-228.45
	12	.06	-226.86	-223.05	-.37	-.12	3.69	-223.17
	23	6.63	-230.00	-226.19	.46	.11	3.92	-226.09
LINE 17	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	9	-6.19	-225.88	-228.01	-1.31	-1.07	-3.19	-229.08
	11	-3.83	-226.09	-228.22	.88	.74	-1.38	-227.48
	12	-3.11	-223.92	-226.05	2.39	1.82	-.30	-224.22
	23	2.62	-225.45	-227.57	2.38	1.62	-.51	-225.96
	28	-8.48	-224.22	-226.34	-4.34	-2.56	-4.68	-228.90
LINE 18	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	9	.28	-231.22	-228.30	.10	.04	2.96	-228.25
	11	.20	-228.30	-225.38	-.14	-.06	2.86	-225.45
	12	-.74	-228.46	-225.54	-.29	-.10	2.82	-225.64
	23	5.43	-228.43	-225.51	.14	.04	2.96	-225.47
	28	1.64	-233.42	-230.50	.73	.13	3.06	-230.37
	29	.84	-233.38	-230.45	-.54	-.30	2.62	-230.76
LINE 19	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	9	-1.05	-230.42	-228.32	-.40	-.21	1.89	-228.53
	11	-.73	-228.19	-226.10	-.24	-.14	1.96	-226.24
	12	-2.03	-225.82	-223.73	-.75	-.34	1.76	-224.06
	23	5.53	-227.15	-225.05	1.07	.37	2.47	-224.68
	28	.40	-232.64	-230.54	.32	.08	2.18	-230.46
LINE 20	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	6.45	-216.30	-213.61	2.43	1.36	4.06	-212.24
	9	.51	-230.56	-227.86	.57	.37	3.07	-227.49
	11	-.03	-227.99	-225.29	-.14	-.10	2.60	-225.39
	12	-1.07	-229.49	-226.79	-.40	-.23	2.47	-227.02
	23	4.14	-228.70	-226.00	-.93	-.44	2.26	-226.44
	28	1.66	-232.87	-230.17	.98	.37	3.07	-229.80
	29	.99	-233.42	-230.73	-.17	-.13	2.57	-230.86
	30	3.50	-229.65	-226.96	-1.29	-.59	2.11	-227.54
	52	2.25	-225.37	-222.67	-1.04	-.62	2.07	-223.30
LINE 21	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	5.25	-219.57	-217.55	1.90	1.05	3.07	-216.50
	9	-.72	-227.57	-225.55	.00	.00	2.02	-225.55
	11	-.54	-228.65	-226.63	.02	.02	2.04	-226.61
	12	-1.16	-231.33	-229.31	.19	.11	2.13	-229.20
	23	3.07	-229.92	-227.90	-1.31	-.61	1.41	-228.51
	28	.48	-229.54	-227.52	.48	.18	2.20	-227.34
	29	.78	-230.68	-228.66	.30	.23	2.25	-228.43
	30	2.09	-228.71	-226.69	-2.02	-.89	1.13	-227.58
	52	3.05	-226.27	-224.25	.43	.25	2.28	-223.99
LINE 22	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	-3.42	-230.65	-231.15	.45	.15	-.39	-231.00
	23	1.33	-230.07	-230.56	-.53	-.13	-.63	-230.70
	74	-3.22	-229.30	-229.80	.08	.06	-.44	-229.74
LINE 23	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	-6.30	-226.32	-228.68	-.20	-.16	-2.53	-226.84
	14	-8.28	-223.38	-225.74	-.76	-.50	-2.86	-226.24
	15	-7.65	-222.79	-225.16	-1.56	-.94	-3.30	-226.09
	16	-6.63	-223.37	-225.73	-.46	-.35	-2.72	-226.09
	17	-2.62	-222.83	-225.19	-2.38	-.77	-3.13	-225.96
	18	-5.43	-223.00	-225.36	-.14	-.11	-2.47	-225.47
	19	-5.53	-221.62	-223.98	-1.07	-.70	-3.07	-224.68
	20	-4.14	-224.56	-226.92	.93	.48	-1.88	-226.44
	21	-3.07	-226.85	-229.21	1.31	.70	-1.66	-228.51
	22	-1.33	-228.73	-231.09	.53	.40	-1.96	-230.70
	24	-1.07	-225.77	-228.13	-.43	-.33	-2.70	-228.47
	27	-3.39	-225.75	-228.11	.45	.35	-2.02	-227.76
	73	-2.63	-229.53	-231.89	1.96	1.17	-1.19	-230.72
	75	-2.98	-228.72	-231.08	1.84	1.10	-1.26	-229.98
LINE 24	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	-5.68	-224.52	-226.25	-.58	-.18	-1.91	-226.43
	23	1.07	-226.84	-228.57	.43	.10	-1.62	-228.47
	25	-3.24	-222.07	-223.79	.00	.00	-1.73	-223.80
	26	-2.22	-222.96	-224.69	.16	.09	-1.63	-224.60

*LINE	25*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-2.47	-226.71	-225.21	-.24	-.10	1.41	-225.31
		24	3.24	-225.30	-223.80	.00	.00	1.51	-223.80
		27	.27	-224.07	-222.56	.24	.08	1.59	-222.48

*LINE	26*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-2.65	-228.87	-228.21	.44	.21	.86	-228.01
		14	-4.55	-222.02	-221.37	-.03	-.01	.64	-221.38
		15	-3.06	-220.57	-219.92	.02	.00	.65	-219.91
		24	2.22	-225.19	-224.53	-.16	-.06	.59	-224.60
		27	-1.09	-223.16	-222.51	-.26	-.11	.54	-222.61

*LINE	27*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-1.47	-226.68	-225.20	.43	.13	1.61	-225.07
		23	3.39	-229.14	-227.66	-.45	-.10	1.37	-227.76
		25	-.27	-223.80	-222.32	-.24	-.15	1.32	-222.48
		26	1.09	-224.25	-222.77	.26	.16	1.63	-222.61

*LINE	28*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		17	8.48	-232.70	-230.68	4.34	1.79	3.80	-228.90
		18	-1.64	-231.79	-229.77	-.73	-.60	1.42	-230.37
		19	-.40	-232.24	-230.22	-.32	-.24	1.78	-230.46
		20	-1.66	-231.21	-229.20	-.98	-.60	1.41	-229.80
		21	-.48	-229.06	-227.04	-.48	-.30	1.11	-227.34
		73	-1.23	-225.17	-223.16	-1.03	-.71	1.30	-223.87
		75	-1.25	-227.64	-225.62	-.80	-.55	1.46	-226.17

*LINE	29*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		18	-.84	-232.54	-231.00	.54	.24	1.78	-230.76
		20	-.99	-232.43	-230.89	.17	.04	1.58	-230.86
		21	-.78	-229.90	-228.36	-.30	-.07	1.47	-228.43
		73	-.84	-227.09	-225.55	-.17	-.05	1.50	-225.59
		75	-1.15	-228.75	-227.21	-.24	-.07	1.48	-227.28

*LINE	30*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		20	-3.50	-226.16	-228.25	1.29	.71	-1.38	-227.54
		21	-2.09	-226.61	-228.71	2.02	1.13	-.96	-227.58
		49	3.61	-220.05	-222.14	-1.45	-.81	-2.90	-222.95
		73	-3.90	-228.48	-226.57	.41	.25	-1.84	-226.32
		76	-4.25	-222.83	-224.93	-.86	-.50	-2.59	-225.43
		77	-6.03	-220.58	-222.67	-1.41	-.76	-2.85	-223.43

*LINE	31*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.06	-229.63	-230.36	-.65	-.27	-1.01	-230.63
		3	3.36	-215.20	-215.94	-.07	-.03	-.77	-215.97
		7	-1.45	-225.16	-225.90	-.01	-.01	-.75	-225.91
		43	1.66	-223.91	-224.65	.14	.08	-.65	-224.56
		45	6.01	-230.39	-231.13	1.31	.56	-.18	-230.57
		46	2.92	-226.79	-227.53	-.70	-.28	-1.02	-227.80
		47	2.82	-218.52	-219.26	-.02	-.01	-.75	-219.27

*LINE	32*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.39	-230.31	-230.45	-.79	-.31	-.45	-230.76
		3	4.02	-213.92	-214.06	-.01	.00	-.14	-214.06
		7	-.95	-226.29	-226.43	-.11	-.08	-.22	-226.51
		43	1.60	-225.19	-225.33	-.52	-.31	-.45	-225.64
		45	6.40	-230.42	-230.56	1.11	.45	.31	-230.11
		46	4.26	-226.05	-226.19	.04	.02	-.12	-226.18
		47	3.71	-216.40	-216.54	.28	.16	.02	-216.37

*LINE	33*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.18	-229.35	-230.18	-.32	-.09	-.92	-230.26
		2	-1.15	-227.96	-228.79	-.50	-.21	-1.04	-229.00
		3	3.50	-212.55	-213.37	.17	.05	-.78	-213.33
		7	-1.58	-225.84	-226.66	-.05	-.04	-.86	-226.70
		43	1.28	-224.81	-225.63	-.15	-.07	-.90	-225.70
		45	5.30	-229.35	-230.17	.69	.20	-.63	-229.97
		46	3.51	-224.76	-225.58	-.02	-.01	-.83	-225.59
		47	2.94	-215.04	-215.87	.19	.09	-.74	-215.78

*LINE	34*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.97	-230.09	-230.19	-.25	-.08	-.19	-230.27
		2	-.32	-228.59	-228.70	-.40	-.19	-.29	-228.88
		3	3.41	-212.24	-212.35	-.64	-.21	-.32	-212.56
		7	-.68	-226.90	-227.01	.12	.09	-.02	-226.92
		45	5.98	-229.67	-229.78	.65	.22	.11	-229.56
		46	4.43	-225.65	-225.76	.17	.05	-.05	-225.70

	47	3.82	-214.99	-215.09	.35	.18	.07	-214.92	
*LINE	35*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.20	-229.58	-230.25	-.45	-.11	-.79	-230.37	
	2	-.57	-227.70	-228.37	-.08	-.03	-.71	-228.40	
	3	3.52	-213.10	-213.77	.03	.01	-.67	-213.76	
	4	1.02	-219.81	-220.49	.16	.06	-.61	-220.42	
	45	4.49	-228.84	-229.51	-.28	-.07	-.75	-229.59	
	46	4.23	-225.52	-226.19	.54	.13	-.55	-226.06	
	47	2.97	-215.68	-216.35	.07	.03	-.64	-216.32	
*LINE	36*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-1.26	-228.01	-229.85	-.74	-.30	-2.14	-230.15	
	2	-1.70	-226.92	-228.77	-.04	-.02	-1.86	-228.79	
	3	3.51	-213.59	-215.43	1.19	.48	-1.36	-214.95	
	4	-.40	-220.04	-221.88	-.09	-.05	-1.90	-221.93	
	7	-2.20	-225.70	-227.54	.34	.27	-1.58	-227.28	
	45	2.84	-227.39	-229.23	-.76	-.31	-2.16	-229.54	
	46	2.50	-224.30	-226.14	-.02	-.01	-1.85	-226.14	
	47	1.85	-215.90	-217.74	.12	.07	-1.77	-217.67	
*LINE	37*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-.89	-228.51	-230.08	-.64	-.27	-1.84	-230.36	
	2	-2.39	-226.54	-228.11	-1.00	-.58	-2.15	-228.69	
	3	3.31	-211.66	-213.23	.72	.31	-1.26	-212.92	
	7	-2.54	-225.53	-227.10	-.28	-.22	-1.79	-227.32	
	45	3.80	-227.97	-229.54	-.07	-.03	-1.60	-229.57	
	46	3.21	-224.26	-225.82	.42	.17	-1.40	-225.66	
	47	2.86	-214.62	-216.19	.86	.53	-1.04	-215.66	
*LINE	38*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.06	-229.62	-230.27	-.61	-.21	-.87	-230.48	
	2	-.37	-228.17	-228.82	.10	.05	-.61	-228.78	
	3	4.43	-214.69	-215.35	.92	.32	-.34	-215.03	
	4	.60	-221.52	-222.17	-.28	-.14	-.80	-222.32	
	7	-1.33	-227.02	-227.68	.03	.02	-.64	-227.66	
	45	4.32	-229.20	-229.86	-.47	-.16	-.82	-230.03	
	46	3.94	-225.97	-226.63	.24	.08	-.58	-226.56	
	47	2.98	-217.16	-217.82	.07	.03	-.62	-217.79	
*LINE	39*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-.78	-228.40	-229.28	-.09	-.05	-.93	-229.33	
	3	4.23	-215.86	-216.73	.95	.42	-.46	-216.32	
	4	.21	-222.20	-223.08	-.45	-.28	-1.16	-223.36	
	45	3.45	-229.82	-230.70	-1.11	-.50	-1.38	-231.20	
	46	4.14	-226.56	-227.44	.66	.28	-.60	-227.16	
	47	2.74	-218.39	-219.27	.05	.03	-.85	-219.24	
*LINE	40*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	1.46	-231.38	-231.41	.16	.07	.05	-231.33	
	2	.57	-230.72	-230.74	.41	.25	.23	-230.49	
	3	3.20	-217.48	-217.51	-.94	-.43	-.45	-217.94	
	4	1.24	-224.40	-224.43	-.27	-.17	-.20	-224.60	
	45	5.07	-231.67	-231.69	-.35	-.16	-.19	-231.85	
	46	5.83	-228.79	-228.81	1.49	.65	.62	-228.17	
	47	3.05	-220.27	-220.29	-.50	-.32	-.34	-220.61	
*LINE	41*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-.96	-230.19	-231.77	.44	.28	-1.29	-231.49	
	3	1.60	-217.94	-219.52	-.99	-.50	-2.08	-220.02	
	4	-.03	-224.20	-225.78	.01	.01	-1.57	-225.77	
	45	2.97	-230.48	-232.06	-.89	-.46	-2.04	-232.52	
	46	4.43	-228.14	-229.72	1.64	.79	-.78	-228.92	
	47	1.79	-220.33	-221.91	-.21	-.14	-1.72	-222.06	
*LINE	42*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.71	-231.35	-232.12	.16	.09	-.69	-232.04	
	2	-.47	-231.45	-232.22	.13	.08	-.69	-232.14	
	3	2.28	-220.70	-221.48	-1.11	-.58	-1.36	-222.06	
	4	1.17	-226.93	-227.71	.41	.28	-.50	-227.42	
	45	3.62	-232.31	-233.09	-1.04	-.56	-1.34	-233.65	
	46	5.48	-229.89	-230.67	1.89	.95	.17	-229.72	
	47	2.36	-223.07	-223.85	-.44	-.31	-1.08	-224.16	
*LINE	43*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	31	-1.66	-222.25	-224.51	-.14	-.05	-2.31	-224.56	
	32	-1.60	-223.59	-225.85	.52	.21	-2.05	-225.64	

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33	-1.28	-223.52	-225.78	.15	.08	-2.18	-225.70
44	.03	-220.85	-223.11	-.53	-.16	-2.42	-223.27

LINE 44	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-2.00	-227.55	-230.36	-.51	-.26	-3.07	-230.62
	3	2.51	-213.40	-216.21	1.16	.59	-2.22	-215.62
	7	-3.54	-222.40	-225.21	-.03	-.03	-2.84	-225.24
	43	-.03	-220.82	-223.64	.53	.37	-2.44	-223.27
	45	3.87	-227.83	-230.64	1.24	.65	-2.17	-229.99
	46	.11	-225.32	-228.13	-1.44	-.70	-3.51	-228.83
	47	-.19	-216.85	-219.67	-.95	-.66	-3.47	-220.32
	51	-4.67	-205.64	-208.45	.00	.00	-2.81	-208.45

LINE 45	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-5.58	-229.49	-234.93	.03	.02	-5.42	-234.91
	31	-6.01	-224.38	-229.82	-1.31	-.75	-6.19	-230.57
	32	-6.40	-224.02	-229.46	-1.11	-.66	-6.10	-230.11
	33	-5.30	-224.04	-229.48	-.69	-.49	-5.93	-229.97
	34	-5.98	-223.69	-229.13	-.65	-.43	-5.87	-229.56
	35	-4.49	-224.35	-229.79	.28	.20	-5.24	-229.59
	36	-2.84	-224.55	-229.99	.76	.45	-4.99	-229.54
	37	-3.80	-224.17	-229.61	.07	.04	-5.40	-229.57
	38	-4.32	-224.89	-230.33	.47	.30	-5.14	-230.03
	39	-3.45	-226.37	-231.81	1.11	.61	-4.83	-231.20
	40	-5.07	-226.60	-232.04	.35	.18	-5.25	-231.85
	41	-2.97	-227.51	-232.95	.89	.43	-5.01	-232.52
	42	-3.62	-228.69	-234.13	1.04	.48	-4.95	-233.65
	44	-3.87	-223.96	-229.40	-1.24	-.60	-6.03	-229.99

LINE 46	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-3.89	-225.43	-229.79	.56	.39	-3.97	-229.40
	31	-2.92	-223.87	-228.23	.70	.43	-3.93	-227.80
	32	-4.26	-221.79	-226.15	-.04	-.03	-4.39	-226.18
	33	-3.51	-221.25	-225.61	.02	.02	-4.34	-225.59
	34	-4.43	-221.22	-225.58	-.17	-.12	-4.48	-225.70
	35	-4.23	-221.29	-225.65	-.54	-.41	-4.77	-226.06
	36	-2.50	-221.79	-226.16	.02	.01	-4.35	-226.14
	37	-3.21	-221.05	-225.41	-.42	-.25	-4.61	-225.66
	38	-3.94	-222.03	-226.39	-.24	-.16	-4.52	-226.56
	39	-4.14	-222.42	-226.78	-.66	-.38	-4.74	-227.16
	40	-5.83	-222.96	-227.32	-1.49	-.84	-5.20	-228.17
	41	-4.43	-223.71	-228.07	-1.64	-.85	-5.21	-228.92
	42	-5.48	-224.42	-228.78	-1.89	-.95	-5.31	-229.72
	44	-.11	-225.21	-229.58	1.44	.74	-3.62	-228.83
	49	3.25	-223.20	-227.60	.47	.22	-4.14	-227.38
	50	-2.26	-225.75	-230.12	.38	.31	-4.05	-229.81
	76	-4.33	-221.92	-226.29	1.34	.66	-3.70	-225.62
	77	-5.50	-222.54	-226.90	1.39	.63	-3.73	-226.27
	78	-4.44	-221.88	-226.24	.77	.42	-3.94	-225.82

LINE 47	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	-2.52	-229.11	-232.68	-.30	-.17	-3.75	-232.85
	6	-3.27	-224.97	-228.55	.48	.15	-3.42	-228.40
	8	-3.77	-221.90	-225.47	-.11	-.05	-3.63	-225.53
	31	-2.82	-215.70	-219.28	.02	.01	-3.57	-219.27
	32	-3.71	-212.68	-216.26	-.28	-.12	-3.69	-216.37
	33	-2.94	-212.10	-215.68	-.19	-.10	-3.68	-215.78
	34	-3.82	-211.17	-214.74	-.35	-.17	-3.75	-214.92
	35	-2.97	-212.71	-216.28	-.07	-.04	-3.62	-216.32
	36	-1.85	-214.05	-217.62	-.12	-.05	-3.62	-217.67
	37	-2.86	-211.76	-215.34	-.86	-.33	-3.90	-215.66
	38	-2.98	-214.18	-217.76	-.07	-.03	-3.61	-217.79
	39	-2.74	-215.65	-219.22	-.05	-.02	-3.59	-219.24
	40	-3.05	-217.22	-220.79	.50	.18	-3.40	-220.61
	41	-1.79	-218.55	-222.12	.21	.07	-3.51	-222.06
	42	-2.36	-220.71	-224.29	.44	.13	-3.44	-224.16
	44	.19	-217.04	-220.61	.95	.29	-3.28	-220.32
	50	-2.06	-220.72	-224.30	-.20	-.12	-3.70	-224.42

LINE 48	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	50	-1.82	-216.84	-220.37	.00	.00	-3.53	-220.37

LINE 49	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-6.81	-217.80	-224.94	-.98	-.54	-7.69	-225.48
	30	-3.61	-216.44	-223.59	1.45	.64	-6.51	-222.95
	46	-3.25	-219.99	-227.14	-.47	-.24	-7.39	-227.38

LINE 50	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-.21	-228.13	-229.84	.18	.04	-1.68	-229.80
	46	2.26	-228.02	-229.73	-.38	-.08	-1.79	-229.81
	47	2.06	-222.78	-224.49	.20	.07	-1.64	-224.42
	48	1.82	-218.66	-220.38	.00	.00	-1.71	-220.37

LINE 51	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	44	4.67	-210.31	-208.45	.00	.00	1.86	-208.45

LINE 52	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	20	-2.25	-223.12	-223.72	1.04	.42	-.18	-223.30
	21	-3.05	-223.22	-223.82	-.43	-.18	-.77	-223.99
	73	-3.42	-223.83	-224.43	-.61	-.29	-.89	-224.72

LINE 73	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	2.97	-222.41	-220.19	-.57	-.28	1.94	-220.46
	9	.03	-225.60	-223.38	.56	.33	2.54	-223.06
	11	.23	-229.98	-227.76	.59	.37	2.59	-227.38
	12	-1.37	-233.00	-230.78	-.21	-.11	2.11	-230.89
	23	2.63	-232.16	-229.94	-1.96	-.78	1.44	-230.72
	28	1.23	-226.41	-224.19	1.03	.32	2.54	-223.87
	29	.84	-227.93	-225.71	.17	.12	2.34	-225.59
	30	3.90	-228.39	-226.17	-.41	-.15	2.07	-226.32
	52	3.42	-227.26	-225.04	.61	.32	2.54	-224.72
	74	-.40	-231.64	-229.42	.18	.15	2.37	-229.27

LINE 74	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	22	3.22	-232.52	-229.71	-.08	-.03	2.78	-229.74
	73	.40	-232.04	-229.23	-.18	-.04	2.77	-229.27
	75	.62	-231.47	-228.66	.27	.05	2.86	-228.61

LINE 75	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	9	-.24	-226.86	-224.40	.05	.03	2.49	-224.37
	11	.29	-229.66	-227.21	.42	.27	2.72	-226.94
	12	-.32	-232.80	-230.34	.59	.30	2.76	-230.04
	23	2.98	-231.69	-229.24	-1.84	-.74	1.71	-229.98
	28	1.25	-228.88	-226.43	.80	.25	2.71	-226.17
	29	1.15	-229.91	-227.45	.24	.17	2.63	-227.28
	74	-.62	-230.85	-228.40	-.27	-.22	2.24	-228.61

LINE 76	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	3.11	-223.47	-222.16	.48	.25	1.56	-221.91
	30	4.25	-227.09	-225.78	.86	.36	1.66	-225.43
	46	4.33	-226.26	-224.95	-1.34	-.67	.63	-225.62

LINE 77	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	3.84	-225.76	-223.23	-.02	-.01	2.52	-223.24
	30	6.03	-226.61	-224.08	1.41	.65	3.18	-223.43
	46	5.50	-228.04	-225.51	-1.39	-.76	1.77	-226.27

LINE 78	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	2.94	-223.30	-222.45	.77	.36	1.21	-222.09
	46	4.44	-226.32	-225.47	-.77	-.34	.50	-225.82

CONVERGENCE COMPLETE

** 13 ITERATIONS PERFORMED**

MAX. ERROR= .8130074-002

MAXIMAL CONNECTED SUBNETWORK #

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
53	13	.532	.843	2.504	.459	-.2229899-002
54	2	.497	-1.096	1.663	.497	-.1152664-002
55	2	.646	.590	1.812	.646	.1402400-002
56	5	.470	1.957	1.241	.403	.2494484-002
57	6	.376	1.368	.872	.273	.3375381-002
58	6	.419	3.639	2.697	.392	.4296422-002
59	6	1.053	1.925	1.793	.792	.2897859-002
60	6	.587	3.296	3.095	.388	.3057301-002
61	6	.562	2.060	2.256	.467	.1375616-002
62	6	.434	2.501	2.697	.352	.1000106-002
63	6	.643	.232	1.937	.556	.5098581-003
64	5	2.086	-6.885	6.377	1.783	-.1975894-003

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65	4	.902	-2.356	2.898	.899	-.3903508-003
66	3	.490	-4.916	5.311	.461	-.1384974-002
67	3	.634	-1.047	1.443	.587	-.2514064-002
68	6	1.287	-4.709	6.522	1.088	-.1771112-002
80	7	1.235	-.933	3.412	.961	-.2792999-002
81	5	.598	-1.489	2.770	.570	-.1683767-002
82	10	.607	.983	1.988	.504	-.1745299-002
83	5	.318	1.449	.987	.277	-.1350656-002
84	12	1.108	1.275	2.258	.748	-.1608729-002
85	8	.255	1.366	1.106	.227	-.1581416-002
22	132	.715	.000	2.629	.606	-.8195639-007
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	11.92
AFTER REMOVAL OF SYSTEMATIC ERROR	.69
RATIO	17.29

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	3.45
AFTER REMOVAL OF SYSTEMATIC ERROR	.83
RATIO	4.16

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	2.58
AFTER REMOVAL OF SYSTEMATIC ERROR	.60
RATIO	4.33

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 2.13

**** INTERSECTION STATISTICS ****

LINE 53	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	54	2.44	-225.00	-224.16	.50	.26	1.10	-223.90
	55	.95	-225.30	-224.45	.65	.29	1.13	-224.16
	57	-.57	-225.59	-224.75	-.05	-.03	.81	-224.78
	58	-2.35	-226.08	-225.24	.44	.25	1.09	-224.99
	59	-1.28	-226.08	-225.24	-.20	-.07	.78	-225.31
	60	-2.45	-226.25	-225.41	.00	.00	.85	-225.41
	61	-1.63	-226.42	-225.58	-.41	-.20	.64	-225.78
	62	-1.86	-226.45	-225.61	-.20	-.11	.73	-225.72
	63	-.29	-225.80	-224.96	-.90	-.41	.44	-225.36
	64	7.19	-225.80	-224.96	-.53	-.11	.73	-225.06
	65	4.00	-224.29	-223.45	.80	.30	1.14	-223.15
	66	5.07	-222.75	-221.91	-.69	-.36	.48	-222.27
	67	2.48	-219.56	-218.71	.59	.27	1.11	-218.45

LINE 54	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-2.44	-222.56	-223.66	-.50	-.24	-1.34	-223.90
	81	.89	-220.90	-222.00	.50	.23	-.87	-221.77

LINE 55	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-.95	-224.35	-223.81	-.65	-.35	.19	-224.16
	81	2.68	-223.86	-223.32	.65	.34	.88	-222.98

LINE 56	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	81	2.61	-223.75	-221.79	-.84	-.37	1.59	-222.16
	82	1.33	-221.05	-219.09	.35	.15	2.11	-218.94
	83	.34	-222.23	-220.28	-.17	-.10	1.86	-220.38
	84	.88	-226.07	-224.12	.20	.06	2.02	-224.06
	85	1.05	-221.44	-219.48	.46	.30	2.26	-219.18

LINE 57	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	.57	-226.17	-224.80	.05	.02	1.39	-224.78
	81	3.14	-225.14	-223.77	.28	.11	1.48	-223.66
	82	.65	-222.42	-221.06	.26	.10	1.47	-220.95
	83	.08	-223.97	-222.60	.16	.09	1.45	-222.51
	84	-.72	-224.66	-223.29	-.82	-.21	1.16	-223.50
	85	.07	-222.35	-220.98	.07	.04	1.41	-220.94

LINE 58	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	2.35	-228.43	-224.79	-.44	-.20	3.44	-224.99
	81	4.54	-228.90	-225.27	-.59	-.24	3.39	-225.51
	82	3.00	-226.53	-222.89	.34	.14	3.77	-222.75
	83	2.72	-227.88	-224.25	.53	.30	3.94	-223.94
	84	2.21	-227.60	-223.97	-.14	-.04	3.59	-224.01
	85	2.57	-226.53	-222.90	.30	.19	3.82	-222.71

LINE 59	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	1.28	-227.36	-225.44	.20	.13	2.06	-225.31
	68	8.81	-227.65	-225.72	2.18	.98	2.91	-224.74
	82	-.14	-224.45	-222.52	-1.08	-.68	1.24	-223.21
	83	.09	-226.21	-224.29	-.38	-.30	1.63	-224.58
	84	-.07	-225.41	-223.48	-.72	-.35	1.57	-223.83
	85	.37	-224.78	-222.86	-.19	-.16	1.77	-223.01

LINE 60	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	2.45	-228.70	-225.40	.00	.00	3.29	-225.41
	68	9.09	-228.82	-225.52	1.09	.34	3.64	-225.18
	82	1.39	-225.89	-222.60	-.92	-.45	2.84	-223.05
	83	1.71	-227.88	-224.58	-.14	-.09	3.21	-224.67
	84	1.93	-226.99	-223.70	-.09	-.03	3.26	-223.73
	85	2.01	-226.66	-223.36	.08	.06	3.35	-223.30

LINE 61	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	1.63	-228.05	-225.99	.41	.21	2.27	-225.78
	68	6.00	-227.32	-225.26	-.77	-.23	1.83	-225.49
	80	3.95	-226.58	-224.52	.95	.30	2.36	-224.22
	82	1.12	-225.55	-223.49	.04	.02	2.08	-223.47
	84	.37	-226.05	-223.99	-.42	-.14	1.92	-224.13
	85	.48	-226.17	-224.11	-.21	-.15	1.91	-224.26

LINE 62	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	1.86	-228.31	-225.81	.20	.09	2.59	-225.72
	68	6.49	-227.64	-225.14	-.72	-.18	2.32	-225.33
	80	4.12	-226.80	-224.30	.69	.18	2.68	-224.12
	82	1.42	-226.25	-223.74	-.10	-.04	2.46	-223.79

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	84	1.39	-226.95	-224.45	.17	.05	2.55	-224.41
	85	.90	-226.61	-224.11	-.23	-.15	2.36	-224.25
LINE 63	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	.29	-226.09	-225.86	.90	.49	.72	-225.36
	68	4.87	-224.94	-224.71	-.07	-.02	.21	-224.74
	80	1.93	-224.41	-224.18	.77	.26	.50	-223.91
	82	-1.17	-223.09	-222.86	-.42	-.21	.02	-223.07
	84	-1.96	-224.14	-223.91	-.91	-.34	-.10	-224.24
	85	-1.40	-223.27	-223.04	-.27	-.19	.04	-223.23
LINE 64	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-7.19	-218.60	-225.49	.53	.43	-6.46	-225.06
	68	-3.87	-216.51	-223.40	-1.70	-1.05	-7.94	-224.45
	80	-8.71	-213.73	-220.61	-2.76	-1.73	-8.62	-222.35
	82	-7.19	-216.17	-223.06	.68	.53	-6.36	-222.53
	84	-4.92	-221.11	-227.99	3.24	2.12	-4.77	-225.87
LINE 65	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-4.00	-220.29	-222.65	-.80	-.50	-2.86	-223.15
	80	-.47	-220.94	-223.30	.95	.40	-1.95	-222.89
	82	-2.50	-218.35	-220.71	.84	.50	-1.85	-220.21
	84	-4.63	-222.13	-224.48	-1.00	-.45	-2.80	-224.93
LINE 66	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-5.07	-217.68	-222.60	.69	.33	-4.58	-222.27
	80	-4.29	-216.10	-221.02	-.31	-.09	-5.00	-221.11
	84	-6.57	-220.29	-225.20	-.38	-.12	-5.03	-225.32
LINE 67	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-2.48	-217.08	-218.12	-.59	-.32	-1.37	-218.45
	80	-.40	-218.49	-219.54	-.29	-.10	-1.15	-219.64
	84	-1.44	-225.92	-226.97	.88	.32	-.73	-226.65
LINE 68	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	59	-8.81	-218.84	-223.55	-2.18	-1.20	-5.91	-224.74
	60	-9.09	-219.73	-224.44	-1.09	-.75	-5.45	-225.18
	61	-6.00	-221.32	-226.03	.77	.54	-4.17	-225.49
	62	-6.49	-221.16	-225.87	.72	.54	-4.17	-225.33
	63	-4.87	-220.07	-224.78	.07	.05	-4.66	-224.74
	64	3.87	-220.39	-225.10	1.70	.65	-4.06	-224.45
LINE 80	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	61	-3.95	-222.63	-223.57	-.95	-.65	-1.59	-224.22
	62	-4.12	-222.67	-223.61	-.69	-.51	-1.44	-224.12
	63	-1.93	-222.48	-223.41	-.77	-.51	-1.44	-223.91
	64	8.71	-222.44	-223.37	2.76	1.03	.09	-222.35
	65	.47	-221.41	-222.34	-.95	-.55	-1.48	-222.89
	66	4.29	-220.40	-221.33	.31	.22	-.71	-221.11
	67	.40	-218.90	-219.83	.29	.19	-.74	-219.64
LINE 81	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	54	-.89	-220.01	-221.50	-.50	-.27	-1.76	-221.77
	55	-2.68	-221.18	-222.67	-.65	-.31	-1.80	-222.98
	56	-2.61	-221.14	-222.63	.84	.47	-1.02	-222.16
	57	-3.14	-222.00	-223.49	-.28	-.17	-1.66	-223.66
	58	-4.54	-224.37	-225.85	.59	.34	-1.15	-225.51
LINE 82	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-1.33	-219.72	-218.74	-.35	-.20	.78	-218.94
	57	-.65	-221.78	-220.79	-.26	-.16	.82	-220.95
	58	-3.00	-223.53	-222.55	-.34	-.20	.78	-222.75
	59	.14	-224.59	-223.60	1.08	.39	1.38	-223.21
	60	-1.39	-224.51	-223.52	.92	.47	1.45	-223.05
	61	-1.12	-224.43	-223.45	-.04	-.02	.96	-223.47
	62	-1.42	-224.83	-223.84	.10	.06	1.04	-223.79
	63	1.17	-224.26	-223.28	.42	.20	1.19	-223.07
	64	7.19	-223.36	-222.38	-.68	-.15	.83	-222.53
	65	2.50	-220.85	-219.87	-.84	-.34	.64	-220.21
LINE 83	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-.34	-221.89	-220.44	.17	.07	1.52	-220.38
	57	-.08	-223.89	-222.44	-.16	-.07	1.38	-222.51
	58	-2.72	-225.16	-223.71	-.53	-.23	1.22	-223.94
	59	-.09	-226.12	-224.67	.38	.09	1.54	-224.58
	60	-1.71	-226.17	-224.72	.14	.05	1.50	-224.67

LINE 84	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-.88	-225.20	-223.92	-.20	-.14	1.14	-224.06
	57	.72	-225.38	-224.11	.82	.61	1.89	-223.50
	58	-2.21	-225.39	-224.11	.14	.10	1.38	-224.01
	59	.07	-225.48	-224.20	.72	.37	1.64	-223.83
	60	-1.93	-225.07	-223.79	.09	.06	1.34	-223.73
	61	-.37	-225.68	-224.41	.42	.28	1.55	-224.13
	62	-1.39	-225.56	-224.28	-.17	-.12	1.15	-224.41
	63	1.96	-226.10	-224.82	.91	.58	1.85	-224.24
	64	4.92	-226.02	-224.75	-3.24	-1.12	.15	-225.87
	65	4.63	-226.76	-225.48	1.00	.55	1.82	-224.93
	66	6.57	-226.86	-225.59	.38	.26	1.54	-225.32
	67	1.44	-227.36	-226.09	-.88	-.56	.72	-226.65

LINE 85	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-1.05	-220.39	-219.02	-.46	-.16	1.20	-219.18
	57	-.07	-222.28	-220.92	-.07	-.03	1.34	-220.94
	58	-2.57	-223.96	-222.59	-.30	-.11	1.25	-222.71
	59	-.37	-224.42	-223.05	.19	.04	1.40	-223.01
	60	-2.01	-224.65	-223.28	-.08	-.02	1.34	-223.30
	61	-.48	-225.69	-224.33	.21	.07	1.43	-224.26
	62	-.90	-225.71	-224.34	.23	.09	1.45	-224.25
	63	1.40	-224.68	-223.31	.27	.08	1.44	-223.23

CONVERGENCE COMPLETE

** 8 ITERATIONS PERFORMED**

MAX. ERROR= .4541676-002

MAXIMAL CONNECTED SUBNETWORK # 3

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
69	1	.001	-.381	1.286	.001	.9325221-003
70	1	.001	.402	.504	.001	-.1338318-002
71	1	.001	-.381	1.288	.001	-.9354668-003
72	1	.001	-.544	1.449	.001	.6706268-003
79	4	.001	.905	1.132	.001	.6706566-003
5	8	.001	.000	1.132	.001	.1862645-007
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.42
AFTER REMOVAL OF SYSTEMATIC ERROR	.00

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.19
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	1192.39

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.13
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	1167.74

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT .52

**** INTERSECTION STATISTICS ****

*LINE	69*	*X-LINE* 79	*OR. M.I.* -1.29	*VAL. BSA.* -220.99	*VAL. ASA.* -221.37	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.38	*FIN. CH.* -221.37
*LINE	70*	*X-LINE* 79	*OR. M.I.* -.50	*VAL. BSA.* -222.74	*VAL. ASA.* -222.34	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* .40	*FIN. CH.* -222.34
*LINE	71*	*X-LINE* 79	*OR. M.I.* -1.29	*VAL. BSA.* -222.40	*VAL. ASA.* -222.78	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.38	*FIN. CH.* -222.78
*LINE	72*	*X-LINE* 79	*OR. M.I.* -1.45	*VAL. BSA.* -221.10	*VAL. ASA.* -221.64	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.54	*FIN. CH.* -221.64
*LINE	79*	*X-LINE* 69	*OR. M.I.* 1.29	*VAL. BSA.* -222.28	*VAL. ASA.* -221.37	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* .90	*FIN. CH.* -221.37
		70	.50	-223.24	-222.34	.00	.00	.91	-222.34
		71	1.29	-223.68	-222.78	.00	.00	.91	-222.78
		72	1.45	-222.55	-221.64	.00	.00	.91	-221.64

**********CLOSE**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:166
TIME OF CREATION: 06:28:05
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 885992
NUMBER OF RECORDS 495
FILE CLOSED ON UNIT 10

SHIPBORNE GRAVITY AND MAGNETICS PROCESSING SYSTEM

PROGRAM NAME ADJUSTMENT

DATE 04/04/85 TIME 06:28:06
MSFI MSF.
S2DB .01 1 300 0
FILE OPENED AS OLD ON UNIT 10

**********OPEN**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:166
TIME OF CREATION: 06:28:05
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 885992
NUMBER OF RECORDS 495

ADJUSTMENT OF 2-D BOUG GRAVITY (S2DB)

CONVERGENCE COMPLETE

** 87 ITERATIONS PERFORMED**

MAX. ERROR= .9987217-002

MAXIMAL CONNECTED SUBNETWORK # 1

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	20	.849	-1.322	2.082	.648	-.8656457-002
2	12	.965	-.145	.972	.341	-.9213232-002
3	14	.868	-4.110	3.223	.736	-.1044959-001
4	9	.429	-1.568	.845	.341	-.8988172-002
5	3	.318	-1.286	1.272	.283	-.5389974-002
6	5	.867	.164	3.123	.743	-.6523971-002
7	8	.165	.668	1.750	.119	-.9813353-002
8	3	.428	.127	3.212	.381	-.7679591-002
9	8	.580	2.768	1.296	.429	-.1798242-002
10	3	.523	1.484	1.887	.492	-.3942907-002
11	10	.468	2.601	.934	.382	-.1342595-003
12	14	.802	3.337	1.570	.580	.4472315-002
13	4	.250	3.779	2.983	.205	-.1200408-002
14	3	.649	5.229	4.677	.543	-.1481175-002
15	5	.800	3.753	2.700	.621	-.8490682-003
16	5	.361	3.757	2.184	.349	-.1150906-002
17	5	2.564	-2.131	4.835	2.264	.7951260-004
18	6	.393	2.880	1.466	.324	.1342267-002
19	5	.651	2.124	1.942	.566	.1331965-002
20	9	1.096	2.663	2.255	.876	.3021002-002
21	9	1.036	2.003	1.903	.732	.3484428-002
22	3	.398	-.551	2.641	.354	.2876937-002
23	14	1.209	-2.324	4.315	.996	.5138010-002
24	4	.384	-1.785	3.070	.309	.5049363-002
25	3	.210	1.528	2.056	.176	.5086645-002
26	5	.222	.641	2.742	.180	.5949661-002
27	4	.348	1.453	1.542	.335	.5949646-002
28	7	1.795	2.023	2.158	1.243	.7599473-002
29	5	.303	1.526	.924	.273	.8234948-002
30	6	1.322	-2.160	3.946	1.227	.7119834-002
31	7	.609	-.743	2.598	.402	.5053751-002
32	7	.557	-.139	3.043	.406	.4621089-002
33	8	.337	-.778	2.465	.260	.4166737-002
34	7	.415	-.127	2.768	.372	.4159201-002
35	7	.295	-.648	2.442	.230	.3691770-002
36	8	.590	-1.833	2.029	.417	.3208593-002
37	7	.647	-1.576	2.709	.568	.2738476-002
38	8	.443	-.628	2.269	.333	.2246551-002
39	6	.673	-.887	2.584	.542	.1734406-002
40	7	.731	-.063	2.866	.588	.1241431-002
41	6	.893	-1.560	1.966	.696	.7169098-003
42	7	.939	-.770	2.307	.727	.2130717-003

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43	4	.383	-2.320	1.196	.319	.7097721-003
44	8	.899	-2.838	2.119	.737	-.1508921-002
45	14	.821	-5.420	4.532	.712	.2200007-003
46	19	.943	-4.379	3.843	.744	-.1975596-002
47	17	.399	-3.561	2.692	.298	-.1306593-002
48	1	.002	-3.530	1.802	.002	-.1997411-002
49	3	1.011	-7.121	4.502	.935	-.1697481-002
50	4	.237	-1.730	1.553	.192	-.2241895-002
51	1	.003	1.898	4.734	.003	-.2988011-002
52	3	.754	-.592	2.889	.708	-.2153039-002
73	10	.802	2.224	1.714	.619	-.1603544-002
74	3	.185	2.773	1.385	.173	-.1012146-002
75	7	.817	2.490	.964	.599	-.1012117-002
76	3	.965	1.319	3.938	.896	-.1245677-002
77	3	1.135	2.516	5.136	.934	-.1485020-002
78	2	.770	.893	3.743	.770	-.1957960-002
58	398	.655	.000	2.540	.539	.1071021-005
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	9.64
AFTER REMOVAL OF SYSTEMATIC ERROR	.65
RATIO	14.83

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	3.10
AFTER REMOVAL OF SYSTEMATIC ERROR	.81
RATIO	3.85

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	2.49
AFTER REMOVAL OF SYSTEMATIC ERROR	.57
RATIO	4.37

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 2.02

****** INTERSECTION STATISTICS ******

LINE 1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-1.91	-224.19	-225.51	-.46	-.30	-1.63	-225.81
	20	-6.35	-207.22	-208.54	-2.37	-1.03	-2.36	-209.57
	21	-5.19	-211.56	-212.88	-1.86	-.84	-2.16	-213.72
	31	.05	-226.63	-227.96	.63	.37	-.95	-227.59
	32	-.41	-226.89	-228.17	.77	.47	-.86	-227.70
	33	-.25	-226.12	-227.44	.30	.21	-1.11	-227.23
	34	-.91	-226.04	-227.37	.28	.19	-1.13	-227.18
	35	-.22	-226.28	-227.60	.45	.34	-.99	-227.27
	36	1.27	-226.20	-227.52	.76	.45	-.87	-227.07
	37	.93	-226.33	-227.65	.68	.38	-.94	-227.26
	38	-.09	-226.88	-227.80	.61	.40	-.92	-227.40
	40	-1.42	-226.87	-228.19	-.16	-.09	-1.41	-228.28
	42	-.71	-227.59	-228.91	-.16	-.08	-1.40	-228.98
	44	2.04	-226.57	-227.89	.52	.25	-1.07	-227.64
	49	6.74	-221.64	-222.97	.94	.43	-.89	-222.54
	50	.17	-225.28	-226.61	-.24	-.18	-1.51	-226.79
	73	-3.04	-216.51	-217.83	.50	.26	-1.06	-217.57
	76	-3.11	-217.40	-218.72	-.47	-.22	-1.54	-218.94
	77	-3.82	-218.94	-220.26	.01	.01	-1.31	-220.25
	78	-2.98	-217.42	-218.75	-.77	-.40	-1.73	-219.15

LINE 2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	1.06	-233.05	-233.19	-.08	-.05	-.19	-233.24
	6	-1.22	-230.38	-230.52	-.91	-.32	-.46	-230.84
	33	1.14	-226.00	-226.14	.51	.30	.15	-225.85
	34	.36	-225.78	-225.92	.38	.20	.05	-225.72
	35	.56	-225.16	-225.30	.06	.04	-.11	-225.27
	36	1.72	-225.53	-225.68	.03	.01	-.13	-225.66
	37	2.42	-225.81	-225.96	.99	.41	-.27	-225.54
	38	.38	-225.45	-225.60	-.11	-.06	-.20	-225.65
	39	.82	-226.09	-226.24	.08	.03	-.11	-226.20
	40	-.50	-227.08	-227.22	-.42	-.16	-.31	-227.38
	41	.99	-228.08	-228.22	-.43	-.15	-.29	-228.37
	42	.52	-228.85	-229.00	-.11	-.04	-.18	-229.03

LINE 3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-2.92	-220.01	-224.12	1.35	.68	-3.43	-223.44
	31	-3.31	-208.68	-212.79	.05	.03	-4.08	-212.76
	32	-3.95	-206.77	-210.88	.02	.01	-4.10	-210.86
	33	-3.49	-205.93	-210.04	-.16	-.11	-4.22	-210.15
	34	-3.34	-205.68	-209.79	.64	.43	-3.68	-209.36
	35	-3.48	-206.44	-210.55	-.02	-.01	-4.12	-210.57
	36	-3.50	-206.91	-211.02	-1.22	-.75	-4.84	-211.75
	37	-3.27	-205.22	-209.33	-.74	-.42	-4.53	-209.75
	38	-4.40	-207.12	-211.23	-.92	-.61	-4.72	-211.84
	39	-4.16	-208.50	-212.61	-.94	-.53	-4.64	-213.14
	40	-3.09	-211.18	-215.29	.96	.52	-3.59	-214.77
	41	-1.55	-213.26	-217.37	1.00	.50	-3.62	-216.88
	42	-2.22	-215.35	-219.46	1.11	.54	-3.57	-218.92
	44	-2.44	-207.72	-211.83	-1.16	-.57	-4.68	-212.40

LINE 4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	.15	-230.33	-231.90	.43	.25	-1.32	-231.65
	6	-2.68	-225.44	-227.01	-.95	-.31	-1.88	-227.33
	35	-1.10	-215.58	-217.15	-.18	-.11	-1.67	-217.26
	36	.35	-217.23	-218.79	.09	.04	-1.53	-218.76
	38	-.66	-217.74	-219.31	.28	.14	-1.43	-219.17
	39	-.22	-218.83	-220.39	.46	.18	-1.39	-220.22
	40	-1.22	-219.99	-221.56	.28	.10	-1.46	-221.46
	41	-.01	-221.06	-222.63	.00	.00	-1.57	-222.63
	42	-1.21	-222.59	-224.16	-.41	-.13	-1.70	-224.29

LINE 5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-1.06	-231.99	-233.28	.08	.03	-1.25	-233.24
	4	-.15	-230.18	-231.47	-.43	-.18	-1.47	-231.65
	47	2.61	-228.55	-229.83	.34	.15	-1.14	-229.68

LINE 6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	1.22	-231.59	-231.43	.91	.59	.75	-230.84
	3	2.92	-222.93	-222.77	-1.35	-.68	-.51	-223.44
	4	2.68	-228.12	-227.96	.95	.63	.80	-227.33
	45	5.52	-231.95	-231.79	-.06	-.03	.13	-231.82
	47	3.28	-225.09	-224.92	-.44	-.30	-.14	-225.23

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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.*
	31	1.42	-223.68	-223.01	.00	.00	.67	-223.01
	32	.91	-224.31	-223.64	.11	.02	.69	-223.62
	33	1.53	-224.52	-223.85	.09	.03	.70	-223.83
	34	.64	-224.58	-223.91	-.16	-.04	.62	-223.96
	36	2.18	-226.89	-224.22	-.32	-.07	.60	-224.29
	37	2.51	-225.08	-224.41	.27	.05	.72	-224.35
	38	1.29	-225.34	-224.67	.00	.00	.67	-224.67
	44	3.51	-223.06	-222.39	.01	.00	.67	-222.39

LINE 8	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	1.91	-226.09	-225.96	.46	.15	.28	-225.81
	46	3.93	-226.23	-226.10	-.58	-.18	-.05	-226.28
	47	3.80	-222.57	-222.44	.11	.06	.19	-222.38

LINE 9	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	16	-1.44	-229.52	-226.75	-.45	-.28	2.49	-227.02
	17	6.20	-228.88	-226.11	1.30	.24	3.01	-225.87
	18	-.21	-227.76	-224.99	-.10	-.06	2.71	-225.05
	19	1.06	-228.26	-225.49	.41	.19	2.96	-225.30
	20	-.47	-226.88	-224.11	-.58	-.20	2.57	-224.31
	21	.76	-225.12	-222.35	-.01	.00	2.77	-222.35
	73	.02	-222.41	-219.64	-.52	-.22	2.55	-219.86
	75	.21	-223.90	-221.13	-.07	-.03	2.74	-221.16

LINE 10	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	11	-1.86	-227.63	-226.14	-.74	-.39	1.09	-226.53
	15	-1.88	-227.80	-226.31	.39	.16	1.64	-226.16
	16	-1.93	-227.01	-225.52	.34	.20	1.69	-225.32

LINE 11	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	10	1.86	-229.48	-226.88	.74	.35	2.95	-226.53
	15	-.70	-228.98	-226.38	.46	.17	2.77	-226.21
	16	-.98	-227.95	-225.35	.18	.10	2.70	-225.25
	17	3.85	-226.72	-224.12	-.88	-.14	2.46	-224.26
	18	-.10	-224.91	-222.31	.18	.10	2.70	-222.21
	19	.72	-225.75	-223.15	.25	.10	2.70	-223.04
	20	.05	-224.82	-222.22	.11	.03	2.63	-222.19
	21	.57	-226.00	-223.40	-.03	-.01	2.59	-223.41
	73	-.23	-226.54	-223.94	-.60	-.22	2.38	-224.16
	75	-.29	-226.16	-223.56	-.40	-.15	2.45	-223.71

LINE 12	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	-.43	-228.62	-225.28	.01	.01	3.35	-225.27
	14	-1.08	-224.24	-220.91	.81	.45	3.79	-220.45
	15	.24	-223.63	-220.29	.65	.33	3.66	-219.96
	16	-.07	-223.52	-220.19	.35	.24	3.58	-219.94
	17	3.05	-223.74	-220.41	-2.42	-.58	2.76	-220.98
	18	.72	-225.93	-222.60	.27	.18	3.52	-222.42
	19	1.97	-224.61	-221.28	.75	.42	3.75	-220.86
	20	1.05	-227.31	-223.98	.37	.16	3.49	-223.82
	21	1.15	-229.23	-225.89	-.19	-.08	3.26	-225.97
	22	3.46	-230.81	-227.48	-.43	-.29	3.05	-227.76
	24	5.72	-227.02	-223.68	.60	.41	3.74	-223.28
	27	1.44	-224.92	-221.58	-.44	-.31	3.03	-221.89
	73	1.35	-231.10	-227.76	.24	.12	3.46	-227.64
	75	.26	-229.85	-226.51	-.59	-.29	3.05	-226.80

LINE 13	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	.43	-229.05	-225.27	-.01	.00	3.78	-225.27
	23	6.25	-229.57	-225.79	.15	.03	3.80	-225.77
	25	2.51	-226.18	-222.40	.26	.14	3.92	-222.26
	26	2.74	-228.46	-224.68	-.40	-.21	3.57	-224.90

LINE 14	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	1.08	-225.32	-220.09	-.81	-.36	4.86	-220.45
	23	8.33	-228.55	-223.32	.77	.27	5.50	-223.05
	26	4.63	-223.47	-218.24	.04	.03	5.26	-218.21

LINE 15	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	10	1.88	-229.67	-225.92	-.39	-.24	3.52	-226.16
	11	.70	-229.68	-225.92	-.46	-.29	3.47	-226.21
	12	-.24	-223.39	-219.64	-.65	-.33	3.43	-219.96
	23	7.63	-227.24	-223.49	1.55	.62	4.37	-222.87
	26	3.06	-220.42	-216.66	-.05	-.04	3.71	-216.71

LINE 16	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*

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	9	1.44	-230.95	-227.20	.45	.17	3.93	-227.02
	10	1.93	-228.94	-225.18	-.34	-.14	3.62	-225.32
	11	.98	-228.93	-225.17	-.18	-.08	3.68	-225.25
	12	.07	-223.59	-219.83	-.35	-.11	3.65	-219.94
	23	6.50	-226.71	-222.95	.42	.10	3.85	-222.85

*LINE	17*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-6.20	-222.68	-224.81	-1.30	-1.06	-3.19	-225.87
		11	-3.85	-222.87	-225.00	.88	.74	-1.39	-224.26
		12	-3.05	-220.69	-222.82	2.42	1.84	-.29	-220.98
		23	2.56	-222.23	-224.36	2.36	1.61	-.52	-222.76
		28	-8.51	-221.00	-223.13	-4.36	-2.56	-4.69	-225.70

*LINE	18*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	.21	-227.97	-225.09	.10	.04	2.92	-225.05
		11	.10	-225.01	-222.13	-.18	-.08	2.80	-222.21
		12	-.72	-225.21	-222.33	-.27	-.09	2.79	-222.42
		23	5.36	-225.18	-222.30	.16	.04	2.92	-222.26
		28	1.58	-230.17	-227.29	.72	.13	3.01	-227.16
		29	.83	-230.16	-227.28	-.52	-.29	2.59	-227.58

*LINE	19*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-1.06	-227.21	-225.08	-.41	-.22	1.91	-225.30
		11	-.72	-225.02	-222.90	-.25	-.14	1.98	-223.04
		12	-1.97	-222.65	-220.52	-.75	-.34	1.79	-220.86
		23	5.56	-223.96	-221.83	1.11	.39	2.51	-221.44
		28	.41	-229.47	-227.34	.31	.08	2.21	-227.26

*LINE	20*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	6.35	-213.57	-210.90	2.37	1.33	4.00	-209.57
		9	.47	-227.35	-224.68	.58	.38	3.04	-224.31
		11	-.05	-224.78	-222.11	-.11	-.08	2.59	-222.19
		12	-1.05	-226.27	-223.61	-.37	-.22	2.45	-223.82
		23	4.06	-225.48	-222.82	-.92	-.44	2.22	-223.26
		28	1.64	-229.66	-227.00	1.00	.38	3.04	-226.62
		29	.97	-230.19	-227.53	-.17	-.13	2.53	-227.66
		30	3.51	-226.49	-223.78	-1.31	-.59	2.01	-225.37
		52	2.19	-222.26	-219.59	-1.06	-.63	2.03	-220.22

*LINE	21*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	5.19	-216.75	-214.74	1.86	1.03	3.03	-213.72
		9	-.76	-224.36	-222.36	.01	.00	2.01	-222.35
		11	-.57	-225.44	-223.43	.03	.02	2.02	-223.41
		12	-1.15	-228.08	-226.08	.19	.10	2.11	-225.97
		23	3.01	-226.69	-224.69	-1.31	-.61	1.40	-225.30
		28	.45	-226.34	-224.33	.47	.17	2.17	-224.16
		29	.77	-227.50	-225.49	.29	.22	2.23	-225.27
		30	2.18	-225.58	-223.57	-1.98	-.87	1.13	-224.44
		52	3.05	-223.19	-221.18	.45	.26	2.27	-220.92

*LINE	22*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-3.96	-227.35	-227.90	.43	.14	-.41	-227.76
		23	1.24	-226.80	-227.35	-.53	-.13	-.68	-227.48
		74	-3.22	-226.01	-226.56	.10	.07	-.48	-226.49

*LINE	23*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-6.25	-223.32	-225.64	-.15	-.12	-2.45	-225.77
		14	-8.33	-220.23	-222.55	-.77	-.50	-2.83	-223.05
		15	-7.63	-219.61	-221.93	-1.55	-.93	-3.26	-222.87
		16	-6.50	-220.21	-222.53	-.42	-.33	-2.65	-222.85
		17	-2.56	-219.67	-222.00	-2.36	-.76	-3.08	-222.76
		18	-5.36	-219.82	-222.14	-.16	-.12	-2.44	-222.26
		19	-5.56	-218.40	-220.72	-1.11	-.72	-3.04	-221.44
		20	-4.06	-221.42	-223.75	.92	.48	-1.84	-223.26
		21	-3.01	-223.68	-226.00	1.31	.71	-1.62	-225.30
		22	-1.24	-225.55	-227.88	.53	.40	-1.93	-227.48
		24	-.98	-222.69	-225.01	-.44	-.34	-2.66	-225.35
		27	-3.36	-222.60	-224.92	.41	.32	-2.00	-224.60
		73	-2.59	-226.35	-228.68	1.96	1.18	-1.15	-227.50
		75	-2.98	-225.50	-227.83	1.84	1.10	-1.23	-226.73

*LINE	24*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-5.72	-221.30	-223.08	-.60	-.19	-1.98	-223.28
		23	.98	-223.67	-225.45	.44	.11	-1.68	-225.35
		25	-3.33	-218.87	-220.65	-.01	-.01	-1.79	-220.66
		26	-2.25	-219.77	-221.55	.18	.11	-1.67	-221.44

LINE 25	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	-2.51	-223.67	-222.14	-.26	-.12	1.41	-222.26
	24	3.33	-222.20	-220.67	.01	.01	1.53	-220.66
	27	.33	-220.98	-219.45	.25	.09	1.62	-219.35

LINE 26	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	-2.74	-225.72	-225.08	.40	.19	.83	-224.90
	14	-4.63	-218.84	-218.20	-.04	-.01	.63	-218.21
	15	-3.06	-217.36	-216.72	.05	.01	.65	-216.71
	24	2.25	-222.01	-221.37	-.18	-.07	.58	-221.44
	27	-1.04	-219.97	-219.33	-.23	-.09	.55	-219.42

LINE 27	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	-1.44	-223.48	-222.02	.44	.13	1.59	-221.89
	23	3.36	-225.96	-224.51	-.41	-.09	1.36	-224.60
	25	-.33	-220.65	-219.20	-.25	-.16	1.30	-219.35
	26	1.04	-221.01	-219.56	.23	.14	1.59	-219.42

LINE 28	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	17	8.51	-229.51	-227.49	4.36	1.79	3.82	-225.70
	18	-1.58	-228.60	-226.57	-.72	-.59	1.43	-227.16
	19	-.41	-229.06	-227.04	-.31	-.23	1.80	-227.26
	20	-1.64	-228.02	-226.00	-1.00	-.62	1.40	-226.62
	21	-.45	-225.89	-223.86	-.47	-.30	1.73	-224.16
	73	-1.23	-222.00	-219.98	-1.03	-.71	1.31	-220.69
	75	-1.29	-224.42	-222.40	-.82	-.56	1.46	-222.97

LINE 29	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	18	-.83	-229.33	-227.80	.52	.23	1.75	-227.58
	20	-.97	-229.22	-227.70	.17	.04	1.56	-227.66
	21	-.77	-226.73	-225.20	-.29	-.07	1.46	-225.27
	73	-.67	-223.89	-222.37	-.17	-.05	1.48	-222.41
	75	-1.18	-225.55	-224.03	-.22	-.06	1.47	-224.09

LINE 30	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	20	-3.51	-222.93	-225.09	1.31	.72	-1.44	-224.37
	21	-2.18	-223.39	-225.55	1.98	1.11	-1.05	-224.44
	49	3.56	-216.84	-219.00	-1.40	-.79	-2.95	-219.79
	73	-3.99	-221.27	-223.43	.40	.25	-1.91	-223.18
	76	-4.35	-219.64	-221.80	-.88	-.51	-2.67	-222.31
	77	-6.08	-217.38	-219.54	-1.40	-.75	-2.91	-220.29

LINE 31	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-.05	-226.58	-227.32	-.63	-.26	-1.01	-227.59
	3	3.31	-211.99	-212.73	-.05	-.02	-.77	-212.76
	7	-1.42	-222.27	-223.01	.00	.00	-.75	-223.01
	43	1.67	-221.04	-221.78	.10	.06	-.68	-221.72
	45	5.99	-227.29	-228.03	1.31	.56	-.18	-227.47
	46	2.96	-223.66	-224.40	-.68	-.27	-1.01	-224.67
	47	2.78	-215.33	-216.08	-.04	-.02	-.76	-216.10

LINE 32	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.41	-227.26	-227.39	-.77	-.31	-.44	-227.70
	3	3.95	-210.72	-210.85	-.02	-.01	-.15	-210.86
	7	-.91	-223.40	-223.54	-.11	-.08	-.22	-223.62
	43	1.66	-222.35	-222.48	-.52	-.31	-.45	-222.79
	45	6.39	-227.33	-227.47	1.11	.45	.31	-227.02
	46	4.30	-222.92	-223.06	.06	.02	-.12	-223.04
	47	3.68	-213.19	-213.33	.25	.15	.01	-213.18

LINE 33	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.25	-226.37	-227.15	-.30	-.08	-.86	-227.23
	2	-1.14	-224.85	-225.63	-.51	-.21	-.99	-225.85
	3	3.49	-209.42	-210.20	.16	.04	-.73	-210.15
	7	-1.53	-222.99	-223.77	-.09	-.06	-.84	-223.83
	43	1.42	-222.00	-222.78	-.12	-.06	-.83	-222.83
	45	5.33	-226.29	-227.07	.69	.20	-.58	-226.87
	46	3.57	-221.65	-222.43	-.03	-.01	-.79	-222.43
	47	2.98	-211.91	-212.69	.19	.09	-.69	-212.60

LINE 34	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	.91	-226.96	-227.08	-.28	-.09	-.22	-227.18
	2	-.36	-225.42	-225.55	-.38	-.18	-.30	-225.72
	3	3.34	-209.03	-209.15	-.64	-.21	-.33	-209.36
	7	-.64	-223.94	-224.07	.16	.11	-.01	-223.96
	45	5.93	-226.54	-226.66	.64	.21	.09	-226.45
	46	4.42	-222.48	-222.61	.17	.05	-.07	-222.55

	47	3.77	-211.77	-211.90	.34	.17	.05	-211.73	

*LINE	35*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.22	-226.50	-227.15	-.45	-.12	-.76	-227.27
		2	-.56	-224.60	-225.25	-.06	-.02	-.67	-225.27
		3	3.48	-209.93	-210.57	.02	.01	-.64	-210.57
		4	1.10	-216.68	-217.33	.18	.07	-.57	-217.26
		45	4.48	-225.75	-226.40	-.29	-.08	-.73	-226.47
		46	4.26	-222.39	-223.03	.52	.12	-.52	-222.91
		47	3.00	-212.53	-213.17	.09	.04	-.61	-213.14

*LINE	36*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-1.27	-224.92	-226.76	-.76	-.31	-2.15	-227.07
		2	-1.72	-223.81	-225.64	-.03	-.02	-1.85	-225.66
		3	3.50	-210.41	-212.25	1.22	.49	-1.34	-211.75
		4	-.35	-216.88	-218.71	-.09	-.05	-1.88	-218.76
		7	-2.18	-222.71	-224.54	.32	.25	-1.58	-224.29
		45	2.82	-224.30	-226.13	-.76	-.32	-2.15	-226.45
		46	2.52	-221.16	-222.99	-.02	-.01	-1.84	-223.00
		47	1.86	-212.73	-214.56	.13	.08	-1.76	-214.49

*LINE	37*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.93	-225.40	-226.97	-.68	-.29	-1.87	-227.26
		2	-2.42	-223.39	-224.97	-.99	-.57	-2.15	-225.54
		3	3.27	-208.49	-210.07	.74	.31	-1.26	-209.75
		7	-2.51	-222.56	-224.14	-.27	-.21	-1.79	-224.35
		45	3.79	-224.88	-226.45	-.05	-.02	-1.60	-226.48
		46	3.21	-221.10	-222.68	.41	.17	-1.41	-222.51
		47	2.83	-211.43	-213.01	.85	.52	-1.05	-212.48

*LINE	38*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.09	-226.57	-227.20	-.61	-.21	-.84	-227.40
		2	-.38	-225.08	-225.70	.11	.05	-.58	-225.65
		3	4.40	-211.52	-212.15	.92	.31	-.32	-211.84
		4	.66	-218.40	-219.03	-.28	-.14	-.77	-219.17
		7	-1.29	-224.05	-224.68	.00	.00	-.63	-224.67
		45	4.34	-226.16	-226.78	-.45	-.16	-.78	-226.94
		46	3.99	-222.87	-223.50	.24	.08	-.55	-223.43
		47	3.00	-214.01	-214.64	.06	.03	-.59	-214.60

*LINE	39*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		2	-.82	-225.27	-226.16	-.08	-.05	-.93	-226.20
		3	4.16	-212.66	-213.55	.94	.41	-.48	-213.14
		4	.22	-219.05	-219.94	-.46	-.28	-1.17	-220.22
		45	3.44	-226.73	-227.62	-1.09	-.49	-1.38	-228.11
		46	4.16	-223.43	-224.32	.66	.28	-.61	-224.04
		47.	2.70	-215.18	-216.07	.03	.02	-.87	-216.05

*LINE	40*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	1.42	-228.29	-228.36	.16	.08	.01	-228.28
		2	.50	-227.57	-227.64	.42	.25	.19	-227.38
		3	3.09	-214.27	-214.33	-.96	-.44	-.50	-214.77
		4	1.22	-221.22	-221.28	-.28	-.18	-.24	-221.46
		45	5.02	-228.54	-228.60	-.34	-.16	-.22	-228.76
		46	5.80	-225.62	-225.68	1.48	.65	.58	-225.03
		47	3.01	-217.06	-217.12	-.48	-.31	-.38	-217.43

*LINE	41*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		2	-.99	-227.09	-228.65	.43	.28	-1.28	-228.37
		3	1.55	-214.81	-216.37	-1.00	-.51	-2.07	-216.88
		4	.01	-221.08	-222.64	.00	.00	-1.56	-222.63
		45	2.96	-227.39	-228.95	-.90	-.47	-2.03	-229.42
		46	4.48	-225.05	-226.61	1.66	.81	-.75	-225.80
		47	1.82	-217.20	-216.75	-.18	-.13	-1.69	-218.88

*LINE	42*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.71	-228.30	-229.07	.16	.08	-.69	-228.98
		2	-.52	-228.34	-229.11	.11	.07	-.70	-229.03
		3	2.22	-217.57	-218.34	-1.11	-.58	-1.35	-218.92
		4	1.21	-223.80	-224.57	.41	.28	-.49	-224.29
		45	3.61	-229.22	-229.99	-1.04	-.55	-1.32	-230.55
		46	5.48	-226.76	-227.53	1.87	.93	.16	-226.60
		47	2.40	-219.94	-220.71	-.39	-.27	-1.04	-220.99

*LINE	43*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		31	-1.67	-219.37	-221.69	-.10	-.04	-2.36	-221.72
		32	-1.66	-220.68	-223.00	.52	.21	-2.11	-222.79

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33	-1.42	-220.58	-222.90	.12	.06	-2.26	-222.83
44	-.02	-217.97	-220.29	-.54	-.16	-2.48	-220.45

LINE 44	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-2.04	-224.53	-227.37	-.52	-.27	-3.11	-227.64
	3	2.44	-210.16	-213.00	1.16	.59	-2.25	-212.40
	7	-3.51	-219.54	-222.38	-.01	-.01	-2.84	-222.39
	43	.02	-217.99	-220.83	.54	.38	-2.46	-220.45
	45	3.82	-224.70	-227.53	1.24	.65	-2.19	-226.89
	46	.11	-222.17	-225.00	-1.43	-.70	-3.53	-225.70
	47	-.27	-213.62	-216.46	-.99	-.69	-3.52	-217.15
	51	-4.73	-202.37	-205.21	.00	.00	-2.84	-205.21

LINE 45	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-5.52	-226.43	-231.85	.06	.03	-5.39	-231.82
	31	-5.99	-221.30	-226.72	-1.31	-.75	-6.17	-227.47
	32	-6.39	-220.94	-226.36	-1.11	-.66	-6.08	-227.02
	33	-5.33	-220.96	-226.38	-.69	-.49	-5.91	-226.87
	34	-5.93	-220.61	-226.03	-.64	-.42	-5.84	-226.45
	35	-4.48	-221.27	-226.69	.29	.22	-5.20	-226.47
	36	-2.82	-221.47	-226.89	.76	.44	-4.98	-226.45
	37	-3.79	-221.09	-226.51	.05	.03	-5.39	-226.48
	38	-4.34	-221.81	-227.23	.45	.29	-5.13	-226.94
	39	-3.44	-223.28	-228.70	1.09	.60	-4.82	-228.11
	40	-5.02	-223.52	-228.94	.34	.18	-5.24	-228.76
	41	-2.96	-224.43	-229.85	.90	.43	-4.99	-229.42
	42	-3.61	-225.61	-231.03	1.04	.48	-4.93	-230.55
	44	-3.82	-220.88	-226.30	-1.24	-.59	-6.01	-226.89

LINE 46	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-3.93	-222.30	-226.68	.58	.40	-3.98	-226.28
	31	-2.96	-220.70	-225.08	.68	.41	-3.97	-224.67
	32	-4.30	-218.62	-223.00	-.06	-.04	-4.42	-223.04
	33	-3.57	-218.07	-222.45	.03	.02	-4.36	-222.43
	34	-4.42	-218.06	-222.43	-.17	-.12	-4.50	-222.55
	35	-4.26	-218.13	-222.51	-.52	-.40	-4.78	-222.91
	36	-2.52	-218.63	-223.01	.02	.01	-4.37	-223.00
	37	-3.21	-217.89	-222.27	-.41	-.24	-4.62	-222.51
	38	-3.99	-218.89	-223.26	-.24	-.16	-4.54	-223.43
	39	-4.16	-219.27	-223.65	-.66	-.39	-4.77	-224.04
	40	-5.80	-219.82	-224.20	-1.48	-.83	-5.21	-225.03
	41	-4.48	-220.57	-224.95	-1.66	-.85	-5.23	-225.80
	42	-5.48	-221.29	-225.66	-1.87	-.94	-5.31	-226.60
	44	-.11	-222.05	-226.43	1.43	.73	-3.65	-225.70
	49	3.20	-220.13	-224.51	.46	.22	-4.16	-224.29
	50	-2.26	-222.60	-226.98	.39	.31	-4.07	-226.67
	76	-4.35	-218.85	-223.23	1.35	.66	-3.71	-222.57
	77	-5.51	-219.44	-223.82	1.38	.63	-3.75	-223.19
	78	-4.50	-218.81	-223.19	.77	.42	-3.95	-222.77

LINE 47	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	-2.61	-225.93	-229.50	-.34	-.19	-3.75	-229.68
	6	-3.28	-221.81	-225.37	.44	.14	-3.42	-225.23
	8	-3.80	-218.77	-222.33	-.11	-.05	-3.62	-222.38
	31	-2.78	-212.55	-216.11	.04	.01	-3.55	-216.10
	32	-3.68	-209.52	-213.08	-.25	-.11	-3.67	-213.18
	33	-2.98	-208.93	-212.50	-.19	-.10	-3.67	-212.60
	34	-3.77	-208.00	-211.56	-.34	-.17	-3.73	-211.73
	35	-3.00	-209.53	-213.09	-.09	-.05	-3.61	-213.14
	36	-1.86	-210.88	-214.44	-.13	-.05	-3.61	-214.49
	37	-2.83	-208.60	-212.16	-.85	-.32	-3.89	-212.48
	38	-3.00	-211.01	-214.57	-.06	-.03	-3.59	-214.60
	39	-2.70	-212.48	-216.04	-.03	-.01	-3.57	-216.05
	40	-3.01	-214.04	-217.61	.48	.17	-3.39	-217.43
	41	-1.82	-215.38	-218.94	.18	.06	-3.50	-218.88
	42	-2.40	-217.54	-221.10	.39	.12	-3.44	-220.99
	44	.27	-213.89	-217.45	.99	.30	-3.26	-217.15
	50	-1.98	-217.61	-221.18	-.14	-.09	-3.65	-221.27

LINE 48	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	50	-1.80	-213.65	-217.18	.00	.00	-3.53	-217.18

LINE 49	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-6.74	-214.90	-222.02	-.94	-.51	-7.63	-222.54
	30	-3.56	-213.28	-220.40	1.40	.61	-6.51	-219.79
	46	-3.20	-216.93	-224.05	-.46	-.24	-7.36	-224.29

*LINE	50*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.17	-225.11	-226.84	.24	.05	-1.68	-226.79
		46	2.26	-224.86	-226.59	-.39	-.08	-1.81	-226.67
		47	1.98	-219.59	-221.32	.14	.05	-1.68	-221.27
		48	1.80	-215.45	-217.18	.00	.00	-1.73	-217.18

*LINE	51*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		44	4.73	-207.10	-205.21	.00	.00	1.90	-205.21

*LINE	52*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		20	-2.19	-220.06	-220.66	1.06	.43	-.16	-220.22
		21	-3.05	-220.14	-220.73	-.45	-.19	-.78	-220.92
		73	-3.42	-220.74	-221.34	-.61	-.30	-.89	-221.63

*LINE	73*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.04	-219.55	-217.32	-.50	-.25	1.98	-217.57
		9	-.02	-222.39	-220.16	.52	.30	2.53	-219.86
		11	.23	-226.77	-224.54	.60	.38	2.60	-224.16
		12	-1.35	-229.75	-227.52	-.24	-.12	2.10	-227.64
		23	2.59	-228.94	-226.72	-1.96	-.78	1.44	-227.50
		28	1.23	-223.24	-221.01	1.03	.32	2.54	-220.69
		29	.87	-224.76	-222.54	.17	.12	2.35	-222.41
		30	3.99	-225.26	-223.03	-.40	-.15	2.07	-223.18
		52	3.42	-224.17	-221.95	.61	.31	2.54	-221.63
		74	-.39	-228.35	-226.13	.16	.13	2.35	-226.00

*LINE	74*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		22	3.22	-229.23	-226.46	-.10	-.03	2.74	-226.49
		73	.39	-228.75	-225.97	-.16	-.03	2.74	-226.00
		75	.54	-228.18	-225.40	.26	.05	2.82	-225.36

*LINE	75*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-.21	-223.69	-221.20	.07	.04	2.53	-221.16
		11	.29	-226.45	-223.97	.40	.26	2.75	-223.71
		12	-.26	-229.59	-227.10	.59	.30	2.79	-226.80
		23	2.98	-228.48	-225.99	-1.84	-.74	1.75	-226.73
		28	1.29	-225.71	-223.22	.82	.26	2.75	-222.97
		29	1.18	-226.74	-224.25	.22	.16	2.65	-224.09
		74	-.54	-227.63	-225.14	-.26	-.21	2.28	-225.36

*LINE	76*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.11	-220.51	-219.19	.47	.25	1.57	-218.94
		30	4.35	-224.00	-222.68	.88	.37	1.69	-222.31
		46	4.35	-223.21	-221.89	-1.35	-.68	.64	-222.57

*LINE	77*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.82	-222.75	-220.24	-.02	-.01	2.50	-220.25
		30	6.08	-223.46	-220.94	1.40	.65	3.16	-220.29
		46	5.51	-224.95	-222.44	-1.38	-.75	1.76	-223.19

*LINE	78*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	2.98	-220.41	-219.52	.77	.37	1.26	-219.15
		46	4.50	-223.31	-222.42	-.77	-.35	.55	-222.77

CONVERGENCE COMPLETE

** 13 ITERATIONS PERFORMED**

MAX. ERROR= .8067049-002

MAXIMAL CONNECTED SUBNETWORK # 2

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
53	13	.528	.610	2.500	.459	-.2214464-002
54	2	.493	-1.095	1.626	.493	-.1135096-002
55	2	.649	.509	1.792	.649	.1405664-002
56	5	.465	1.932	1.196	.403	.2485380-002
57	6	.372	1.355	.857	.263	.3358841-002
58	6	.430	3.614	2.866	.398	.4271507-002
59	6	1.071	1.932	1.800	.801	.2876937-002
60	6	.584	3.262	3.058	.395	.3032416-002
61	6	.561	2.049	2.238	.469	.1362711-002
62	6	.421	2.486	2.675	.334	.9883344-003
63	6	.626	.246	1.918	.542	.5000923-003
64	5	2.087	-6.930	6.426	1.797	-.2021194-003

150092

65	4	.886	-2.324	2.875	.883	-.3930330-003
66	3	.488	-4.929	5.343	.458	-.1379013-002
67	3	.642	-1.004	1.418	.595	-.2497494-002
68	6	1.306	-4.727	6.550	1.099	-.1766860-002
80	7	1.228	-.870	3.412	.951	-.2774969-002
81	5	.601	-1.456	2.720	.575	-.1671016-002
82	10	.616	.969	1.977	.519	-.1733169-002
83	5	.322	1.488	.931	.278	-.1342192-002
84	12	1.098	1.298	2.245	.742	-.1599163-002
85	8	.234	1.384	1.066	.200	-.1573399-002
22 TOT.	132 SUM	.714 AVG.	.000 AVG.	2.613 AVG.	.605 AVG.	-.1247972-006 SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	11.91
AFTER REMOVAL OF SYSTEMATIC ERROR	.69
RATIO	17.29

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	3.45
AFTER REMOVAL OF SYSTEMATIC ERROR	.83
RATIO	4.16

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	2.56
AFTER REMOVAL OF SYSTEMATIC ERROR	.59
RATIO	4.32

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 2.12

**** INTERSECTION STATISTICS ****

*LINE	53*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		54	2.40	-222.27	-221.46	.49	.26	1.07	-221.20
		55	.95	-222.58	-221.77	.65	.29	1.10	-221.48
		57	-.57	-222.88	-222.07	-.02	-.01	.80	-222.08
		58	-2.36	-223.37	-222.56	.45	.25	1.06	-222.31
		59	-1.30	-223.38	-222.57	-.17	-.06	.75	-222.63
		60	-2.50	-223.61	-222.80	-.05	-.02	.79	-222.82
		61	-1.69	-223.80	-222.99	-.45	-.22	.59	-223.20
		62	-1.87	-223.84	-223.03	-.20	-.11	.70	-223.14
		63	-.29	-223.20	-222.39	-.85	-.39	.42	-222.78
		64	7.19	-223.19	-222.38	-.55	-.11	.70	-222.50
		65	3.93	-221.68	-220.87	.80	.30	1.11	-220.58
		66	5.05	-220.15	-219.34	-.69	-.36	.45	-219.69
		67	2.41	-216.94	-216.13	.60	.27	1.08	-215.86

*LINE	54*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-2.40	-219.87	-220.96	-.49	-.24	-1.33	-221.20
		81	.85	-218.14	-219.23	.49	.22	-.87	-219.01

*LINE	55*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-.95	-221.63	-221.12	-.65	-.36	.15	-221.48
		81	2.61	-221.03	-220.53	.65	.34	.85	-220.19

*LINE	56*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		81	2.56	-220.94	-219.01	-.82	-.36	1.57	-219.37
		82	1.33	-218.20	-216.27	.36	.16	2.09	-216.11
		83	.26	-219.39	-217.45	-.18	-.11	1.62	-217.56
		84	.84	-223.03	-221.10	.20	.06	1.99	-221.04
		85	.99	-218.60	-216.66	.44	.29	2.23	-216.37

*LINE	57*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	.57	-223.45	-222.09	.02	.01	1.36	-222.08
		81	3.11	-222.35	-220.99	.30	.11	1.47	-220.88
		82	.71	-219.63	-218.28	.32	.12	1.48	-218.16
		83	.01	-221.19	-219.83	.14	.08	1.43	-219.76
		84	-.73	-221.65	-220.29	-.79	-.20	1.16	-220.49
		85	-.02	-219.46	-218.10	.01	.01	1.36	-218.10

*LINE	58*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	2.36	-225.73	-222.11	-.45	-.20	3.41	-222.31
		81	4.46	-226.10	-222.48	-.61	-.26	3.36	-222.74
		82	3.01	-223.73	-220.12	.36	.15	3.76	-219.97
		83	2.68	-225.08	-221.46	.55	.32	3.93	-221.14
		84	2.19	-224.57	-220.95	-.13	-.04	3.58	-220.99
		85	2.51	-223.58	-219.97	.28	.18	3.79	-219.79

*LINE	59*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	1.30	-224.68	-222.75	.17	.12	2.05	-222.63
		68	8.89	-224.93	-222.99	2.23	1.00	2.94	-221.99
		82	-.11	-221.67	-219.74	-1.07	-.68	1.25	-220.42
		83	.07	-223.45	-221.52	-.37	-.29	1.65	-221.81
		84	-.11	-222.40	-220.47	-.74	-.37	1.57	-220.83
		85	.33	-221.86	-219.93	-.22	-.18	1.75	-220.11

*LINE	60*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	2.50	-226.11	-222.84	.05	.02	3.29	-222.82
		68	9.06	-226.03	-222.77	1.07	.33	3.59	-222.44
		82	1.37	-223.07	-219.81	-.93	-.45	2.81	-220.26
		83	1.63	-225.07	-221.81	-.14	-.09	3.17	-221.90
		84	1.85	-223.90	-220.64	-.12	-.04	3.22	-220.68
		85	1.95	-223.67	-220.40	.07	.05	3.31	-220.35

*LINE	61*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	1.69	-225.48	-223.44	.45	.23	2.28	-223.20
		68	6.04	-224.60	-222.55	-.74	-.22	1.83	-222.77
		80	3.88	-223.84	-221.79	.96	.30	2.35	-221.49
		82	1.02	-222.65	-220.60	-.06	-.03	2.02	-220.63
		84	.33	-223.00	-220.95	-.42	-.14	1.91	-221.09
		85	.48	-223.20	-221.15	-.19	-.13	1.92	-221.28

*LINE	62*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	1.87	-225.72	-223.23	.20	.09	2.57	-223.14
		68	6.49	-224.88	-222.39	-.72	-.18	2.31	-222.57
		80	4.02	-224.02	-221.53	.66	.17	2.65	-221.36
		82	1.43	-223.39	-220.91	-.09	-.04	2.45	-220.94

		84	1.33	-223.87	-221.39	.14	.04	2.53	-221.35
		85	.91	-223.64	-221.15	-.19	-.12	2.36	-221.27
*LINE	63*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	.29	-223.48	-223.24	.85	.46	.71	-222.78
		68	4.68	-222.25	-222.00	-.09	-.03	.22	-222.03
		80	1.89	-221.69	-221.44	.77	.26	.51	-221.18
		82	-1.17	-220.20	-219.96	-.45	-.23	.02	-220.18
		84	-1.93	-221.13	-220.89	-.68	-.32	-.07	-221.21
		85	-1.34	-220.31	-220.06	-.21	-.15	.10	-220.21
*LINE	64*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-7.19	-216.01	-222.94	.55	.44	-6.49	-222.50
		68	-3.95	-213.73	-220.66	-1.74	-1.07	-8.00	-221.73
		80	-8.81	-210.93	-217.85	-2.75	-1.73	-8.66	-219.59
		82	-7.18	-213.23	-220.16	.72	.56	-6.37	-219.60
		84	-5.01	-218.04	-224.97	3.22	2.11	-4.82	-222.86
*LINE	65*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-3.93	-217.75	-220.08	-.80	-.50	-2.82	-220.58
		80	-.52	-218.45	-220.47	.94	.39	-1.93	-220.08
		82	-2.46	-215.40	-217.72	.83	.49	-1.83	-217.23
		84	-4.59	-219.12	-221.44	-.97	-.43	-2.76	-221.87
*LINE	66*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-5.05	-215.09	-220.02	.69	.33	-4.60	-219.69
		80	-4.34	-213.29	-218.22	-.28	-.08	-5.01	-218.30
		84	-6.63	-217.18	-222.11	-.40	-.12	-5.05	-222.24
*LINE	67*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-2.41	-214.53	-215.53	-.60	-.33	-1.33	-215.86
		80	-.43	-215.68	-216.69	-.30	-.10	-1.11	-216.79
		84	-1.41	-222.83	-223.83	.89	.33	-.68	-223.50
*LINE	68*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		59	-8.89	-216.04	-220.76	-2.25	-1.23	-5.95	-221.99
		60	-9.06	-216.97	-221.70	-1.07	-.74	-5.47	-222.44
		61	-6.04	-218.56	-223.29	.74	.52	-4.21	-222.77
		62	-6.49	-218.39	-223.12	.72	.55	-4.18	-222.57
		63	-4.88	-217.37	-222.09	.09	.06	-4.67	-222.03
		64	3.95	-217.67	-222.40	1.74	.67	-4.05	-221.73
*LINE	80*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		61	-3.88	-219.96	-220.83	-.96	-.66	-1.53	-221.49
		62	-4.02	-220.00	-220.87	-.66	-.49	-1.36	-221.36
		63	-1.89	-219.80	-220.67	-.77	-.51	-1.38	-221.18
		64	8.81	-219.73	-220.60	2.75	1.02	.15	-219.59
		65	.52	-218.67	-219.54	-.94	-.54	-1.41	-220.08
		66	4.34	-217.63	-216.50	.28	.20	-.67	-218.30
		67	.43	-216.11	-216.98	.30	.19	-.68	-216.79
*LINE	81*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		54	-.85	-217.28	-218.74	-.49	-.27	-1.73	-219.01
		55	-2.61	-218.42	-219.88	-.65	-.31	-1.77	-220.19
		56	-2.56	-218.38	-219.83	.82	.46	-.99	-219.37
		57	-3.11	-219.24	-220.69	-.30	-.18	-1.64	-220.88
		58	-4.46	-221.64	-223.10	.61	.36	-1.10	-222.74
*LINE	82*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	-1.33	-216.87	-215.90	-.36	-.21	.76	-216.11
		57	-.71	-218.93	-217.96	-.32	-.20	.77	-218.16
		58	-3.01	-220.73	-219.76	-.36	-.21	.76	-219.97
		59	.11	-221.78	-220.81	1.07	.39	1.36	-220.42
		60	-1.37	-221.70	-220.74	.93	.48	1.44	-220.26
		61	-1.02	-221.63	-220.66	.06	.03	1.00	-220.63
		62	-1.43	-221.96	-220.99	.09	.05	1.02	-220.94
		63	1.17	-221.37	-220.41	.45	.22	1.19	-220.18
		64	7.18	-220.41	-219.44	-.72	-.16	.80	-219.60
		65	2.46	-217.86	-216.89	-.83	-.34	.63	-217.23
*LINE	83*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	-.26	-219.13	-217.64	.18	.08	1.56	-217.56
		57	-.01	-221.18	-219.69	-.14	-.07	1.42	-219.76
		58	-2.68	-222.40	-220.91	-.55	-.24	1.25	-221.14
		59	-.07	-223.38	-221.89	.37	.09	1.57	-221.81
		60	-1.63	-223.44	-221.95	.14	.05	1.54	-221.90

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LINE 84	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-.84	-222.20	-220.90	-.20	-.14	1.16	-221.04
	57	.73	-222.38	-221.08	.79	.59	1.89	-220.49
	58	-2.19	-222.38	-221.08	.13	.09	1.39	-220.99
	59	.11	-222.50	-221.21	.74	.37	1.67	-220.83
	60	-1.85	-222.06	-220.76	.12	.08	1.37	-220.68
	61	-.33	-222.67	-221.37	.42	.28	1.58	-221.09
	62	-1.33	-222.54	-221.25	-.14	-.10	1.19	-221.35
	63	1.93	-223.06	-221.77	.88	.56	1.86	-221.21
	64	5.01	-223.05	-221.75	-3.22	-1.11	.19	-222.86
	65	4.59	-223.71	-222.41	.97	.54	1.84	-221.87
	66	6.63	-223.82	-222.52	.40	.28	1.58	-222.24
	67	1.41	-224.24	-222.94	-.89	-.56	.74	-223.50

LINE 85	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-.99	-217.61	-216.22	-.44	-.15	1.24	-216.37
	57	.02	-219.48	-218.09	-.01	.00	1.38	-218.10
	58	-2.51	-221.07	-219.69	-.28	-.10	1.29	-219.79
	59	-.33	-221.53	-220.15	.22	.04	1.42	-220.11
	60	-1.95	-221.72	-220.33	-.07	-.02	1.36	-220.35
	61	-.48	-222.72	-221.34	.19	.05	1.44	-221.28
	62	-.91	-222.73	-221.34	.19	.07	1.45	-221.27
	63	1.34	-221.65	-220.27	.21	.06	1.44	-220.21

CONVERGENCE COMPLETE

** 8 ITERATIONS PERFORMED**

MAX. ERROR= .4765537-002

MAXIMAL CONNECTED SUBNETWORK # 3

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
69	1	.001	-.377	1.271	.001	.1043059-002
70	1	.001	.427	.469	.001	-.1339708-002
71	1	.001	-.358	1.253	.001	-.1007956-002
72	1	.001	-.586	1.481	.001	.6523058-003
79	4	.001	.895	1.119	.001	.6523132-003
5	8	.001	.000	1.119	.001	.1490116-007
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.40
AFTER REMOVAL OF SYSTEMATIC ERROR	.00

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.18
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	1137.90

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	1.12
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	1106.67

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT .53

**** INTERSECTION STATISTICS ****

*LINE	69*	*X-LINE* 79	*OR. M.T.* -1.27	*VAL. BSA.* -218.79	*VAL. ASA.* -219.17	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.38	*FIN. CH.* -219.17
*LINE	70*	*X-LINE* 79	*OR. M.T.* -.47	*VAL. BSA.* -220.58	*VAL. ASA.* -220.16	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* .43	*FIN. CH.* -220.16
*LINE	71*	*X-LINE* 79	*OR. M.T.* -1.25	*VAL. BSA.* -220.30	*VAL. ASA.* -220.66	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.36	*FIN. CH.* -220.66
*LINE	72*	*X-LINE* 79	*OR. M.T.* -1.48	*VAL. BSA.* -218.95	*VAL. ASA.* -219.54	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -.59	*FIN. CH.* -219.54
*LINE	79*	*X-LINE* 69	*OR. M.T.* 1.27	*VAL. BSA.* -220.06	*VAL. ASA.* -219.17	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* .89	*FIN. CH.* -219.17
		70	.47	-221.05	-220.16	.00	.00	.90	-220.16
		71	1.25	-221.55	-220.66	.00	.00	.90	-220.66
		72	1.48	-220.43	-219.54	.00	.00	.89	-219.54

**********CLOSE**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:167
TIME OF CREATION: 06:28:23
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 886001
NUMBER OF RECORDS 495
FILE CLOSED ON UNIT 10

SHIPBORNE GRAVITY AND MAGNETICS PROCESSING SYSTEM

PROGRAM NAME ADJUSTMENT

DATE 04/04/85 TIME 06:28:24
MSFI MSF.
SMEN .01 1 300 D
FILE OPENED AS OLD ON UNIT 10

**********OPEN**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:167
TIME OF CREATION: 06:28:23
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 886001
NUMBER OF RECORDS 495

ADJUSTMENT OF IGRF   CORR MAG (SMEN)

CONVERGENCE COMPLETE

** 94 ITERATIONS PERFORMED**

MAX. ERROR= .9738006-002

MAXIMAL CONNECTED SUBNETWORK # 1

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	20	6.849	-6.735	9.457	5.562	-.8439302-002
2	12	5.605	2.888	9.598	4.729	-.8982539-002
3	19	12.570	-12.372	16.474	8.364	-.1019061-001
4	9	5.674	-.867	6.213	4.985	-.8763760-002
5	3	6.455	2.037	6.265	6.037	-.5255103-002
6	5	4.199	-2.641	10.348	3.997	-.6361067-002
7	8	7.905	-2.685	12.202	6.733	-.9568453-002
8	3	4.982	-3.335	5.483	4.337	-.7487655-002
9	8	2.328	.607	3.878	2.128	-.1753241-002
10	3	2.080	-1.937	2.007	1.901	-.3844127-002
11	10	2.836	2.463	4.608	2.143	-.1307130-003
12	14	3.446	9.435	7.971	2.702	.4359841-002
13	4	2.488	3.902	3.042	2.442	-.1170188-002
14	3	1.482	3.004	4.558	1.298	-.1444161-002
15	5	2.944	-3.111	7.233	2.545	-.8276999-003
16	5	1.318	.852	3.309	1.208	-.1121938-002
17	5	1.753	14.708	11.491	1.676	.7724762-004
18	6	4.096	11.605	8.796	3.046	.1308560-002
19	5	3.990	.173	4.920	3.344	.1298726-002
20	9	3.729	-1.148	4.709	3.273	.2945602-002
21	9	4.199	-.184	4.716	3.852	.3396899-002
22	3	3.677	-1.589	5.961	3.450	.2805114-002
23	14	4.479	1.969	5.723	3.914	.5009979-002
24	4	4.597	5.664	1.820	4.239	.4923582-002
25	3	3.611	8.213	6.869	3.370	.4959941-002
26	5	1.893	5.319	4.101	1.641	.5801439-002
27	4	2.625	-.523	7.067	2.560	.5801141-002
28	7	3.548	1.613	5.355	3.117	.7409811-002
29	5	3.410	.769	3.104	2.662	.8029506-002
30	6	2.769	2.161	4.499	2.374	.6941974-002
31	7	18.306	-18.347	18.993	14.417	.4927397-002
32	7	9.018	-14.644	16.264	7.102	.4506469-002
33	8	6.706	-1.052	9.933	5.753	.4062533-002
34	7	4.702	-2.082	9.316	3.632	.4055023-002
35	7	1.581	9.382	10.311	1.282	.3599167-002
36	8	9.199	-11.864	16.293	8.060	.3127337-002
37	7	8.363	-18.915	19.653	7.314	.2669811-002
38	8	5.352	-1.768	8.065	4.565	.2190351-002
39	6	5.126	-8.878	12.434	4.520	.1691761-002
40	7	4.343	-2.953	8.810	3.760	.1210272-002
41	6	5.640	4.226	7.028	5.109	.6985664-003
42	7	11.422	-9.946	17.894	9.009	.2077818-003

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43	4	6.581	-24.836	20.235	5.371	.6916523-003
44	8	3.693	15.640	22.531	2.495	-.1470923-002
45	14	6.882	15.884	20.444	5.343	.2150536-003
46	19	8.244	10.591	14.560	4.985	-.1927495-002
47	17	5.356	-2.402	8.722	4.734	-.1273870-002
48	1	.002	16.901	24.232	.002	-.1947403-002
49	3	6.392	-7.328	9.334	5.909	-.1654983-002
50	4	1.446	-7.333	11.922	1.095	-.2185822-002
51	1	.003	-15.003	30.647	.003	-.2913237-002
52	3	2.560	7.146	6.539	2.245	-.2098799-002
73	10	3.949	5.469	5.943	2.817	-.1563609-002
74	3	1.816	1.715	2.308	1.528	-.9866953-003
75	7	2.102	2.135	2.522	1.892	-.9866357-003
76	3	5.410	-1.603	11.365	4.494	-.1214445-002
77	3	1.852	8.630	7.969	1.531	-.1447797-002
78	2	3.220	10.978	11.883	3.220	-.1909018-002
58	398	4.668	.000	9.619	3.893	.9536743-006
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	177.90
AFTER REMOVAL OF SYSTEMATIC ERROR	39.14
RATIO	4.54

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	13.34
AFTER REMOVAL OF SYSTEMATIC ERROR	6.26
RATIO	2.13

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	9.83
AFTER REMOVAL OF SYSTEMATIC ERROR	4.37
RATIO	2.25

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 6.42

****** INTERSECTION STATISTICS ******

LINE 1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-2.49	-294.09	-300.82	.91	.53	-6.21	-300.30
	20	-2.64	-189.98	-196.71	2.95	1.91	-4.82	-194.80
	21	-3.69	-227.32	-234.05	2.86	1.77	-4.96	-232.28
	31	-1.77	-312.20	-318.93	-13.38	-3.64	-10.38	-322.57
	32	2.99	-310.20	-316.93	-4.92	-2.12	-8.86	-319.06
	33	-14.84	-306.57	-313.30	-9.16	-4.63	-11.36	-317.93
	34	-3.28	-298.41	-305.15	1.37	.81	-5.92	-304.33
	35	-13.38	-281.27	-288.01	2.73	2.22	-4.51	-285.79
	36	19.09	-273.46	-280.20	13.96	5.96	-.78	-274.24
	37	4.85	-287.26	-294.00	-7.33	-3.30	-10.04	-297.30
	38	.21	-259.88	-266.61	5.17	2.90	-3.83	-263.71
	40	.80	-216.32	-223.05	4.58	2.80	-3.93	-220.25
	42	15.09	-198.93	-205.67	11.88	4.45	-2.28	-201.22
	44	-24.43	-310.89	-317.63	-2.06	-1.34	-8.07	-318.97
	49	9.46	-261.18	-267.92	8.86	4.59	-2.15	-263.33
	50	.93	-314.98	-321.71	.33	.27	-6.46	-321.44
	73	-18.96	-239.45	-246.18	-6.76	-4.29	-11.02	-250.47
	76	-11.63	-220.71	-227.45	-6.50	-3.63	-10.37	-231.08
	77	-17.66	-227.60	-234.34	-2.30	-1.81	-8.54	-236.14
	78	-20.93	-222.99	-229.73	-3.22	-2.19	-8.92	-231.92

LINE 2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	-2.68	-351.96	-349.07	-3.54	-1.64	1.25	-350.71
	6	10.47	-338.26	-335.38	4.94	2.82	5.71	-332.55
	33	3.90	-365.98	-363.10	-.04	-.02	2.87	-363.11
	34	15.03	-360.78	-357.89	10.06	5.47	8.36	-352.42
	35	-7.20	-349.51	-346.62	-.71	-.56	2.33	-347.18
	36	23.34	-347.25	-344.36	8.59	3.25	6.14	-341.11
	37	19.91	-352.55	-349.67	-1.89	-.76	2.13	-350.43
	38	.79	-337.64	-334.76	-3.87	-1.98	.91	-336.73
	39	3.73	-334.57	-331.68	-8.04	-4.20	-1.31	-335.88
	40	2.35	-330.82	-327.93	-3.49	-1.97	.92	-329.89
	41	-8.14	-330.48	-327.59	-6.81	-3.39	-.50	-330.98
	42	17.62	-338.34	-335.45	4.78	1.57	4.46	-333.87

LINE 3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-14.65	-293.43	-305.80	-4.92	-3.69	-16.06	-309.49
	31	28.09	-109.61	-121.98	32.12	13.08	.70	-108.90
	32	21.12	-78.84	-91.21	18.85	10.97	-1.40	-80.24
	33	-7.74	-57.42	-69.80	3.58	2.33	-10.04	-67.46
	34	-15.91	-53.85	-66.23	-5.62	-4.09	-16.47	-70.32
	35	-21.84	-80.26	-92.63	-.08	-.07	-12.45	-92.70
	36	-15.57	-97.20	-109.57	-15.06	-8.70	-21.07	-118.27
	37	1.41	-65.01	-77.38	-5.13	-3.08	-15.45	-80.46
	38	-8.91	-113.85	-126.22	1.69	1.19	-11.19	-125.08
	39	-3.81	-139.32	-151.70	-.32	-.22	-12.60	-151.92
	40	-15.33	-161.77	-174.14	-5.91	-4.39	-16.77	-178.53
	41	-15.73	-190.50	-202.87	.87	.60	-11.77	-202.27
	42	-23.93	-225.26	-237.63	-21.51	-11.27	-23.64	-248.90
	44	-26.57	-133.79	-146.17	1.44	1.11	-11.26	-145.05

LINE 4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	6.15	-383.17	-384.04	9.06	4.24	3.37	-379.80
	6	6.83	-366.96	-367.83	5.06	2.91	2.04	-364.92
	35	-12.64	-241.15	-242.02	-2.39	-1.87	-2.73	-243.89
	36	1.62	-254.17	-255.04	-9.37	-3.58	-4.44	-258.61
	38	-5.38	-267.83	-266.69	-6.28	-3.23	-4.10	-271.93
	39	12.20	-290.55	-291.42	4.19	2.20	1.33	-289.22
	40	-1.67	-312.19	-313.06	-3.76	-2.13	-3.00	-315.19
	41	-.97	-328.76	-329.63	4.12	2.07	1.20	-327.56
	42	8.45	-343.99	-344.86	-.63	-.21	-1.08	-345.07

LINE 5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	2.68	-354.64	-352.60	3.54	1.89	3.93	-350.71
	4	-6.15	-377.02	-374.98	-9.06	-4.82	-2.78	-379.80
	47	9.96	-376.90	-374.87	5.52	3.02	5.05	-371.85

LINE 6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-10.47	-327.79	-330.44	-4.94	-2.12	-4.76	-332.55
	3	14.65	-308.08	-310.73	4.92	1.23	-1.41	-309.89
	4	-6.83	-360.13	-362.77	-5.06	-2.15	-4.79	-364.92
	45	-16.74	-294.73	-297.38	1.78	.68	-1.97	-296.70
	47	3.05	-337.78	-340.42	3.28	1.44	-1.20	-338.97

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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.*
		31	12.80	-266.93	-269.61	-2.86	-.86	-3.55	-270.47
		32	.96	-257.36	-260.05	-10.99	-5.14	-7.82	-265.18
		33	-9.73	-259.44	-262.13	-8.10	-4.38	-7.07	-266.51
		34	.67	-269.21	-271.89	1.28	.80	-1.88	-271.09
		36	12.22	-222.70	-225.39	3.04	1.40	-1.28	-223.98
		37	30.17	-261.84	-264.52	13.94	6.78	4.09	-257.75
		38	7.75	-201.53	-204.22	8.67	5.17	2.48	-199.05
		44	-23.31	-256.31	-258.99	-4.98	-3.39	-6.08	-262.38

*LINE	8*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	2.49	-296.58	-299.91	-.91	-.38	-3.72	-300.30
		46	-7.42	-319.67	-323.01	6.50	2.45	-.89	-320.56
		47	-6.53	-266.40	-269.73	-5.60	-2.70	-6.03	-272.43

*LINE	9*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		16	-1.10	-264.17	-263.56	-.86	-.55	.06	-264.11
		17	-12.63	-257.94	-257.33	1.47	.84	1.45	-256.49
		18	-7.93	-229.28	-228.68	3.07	1.11	1.72	-227.57
		19	-.79	-245.05	-244.44	-1.22	-.45	.16	-244.89
		20	-1.28	-210.50	-209.90	-3.03	-1.17	-.56	-211.06
		21	-2.61	-164.58	-163.97	-3.40	-1.21	-.60	-165.18
		73	-3.56	-95.64	-95.03	1.30	.48	1.09	-94.55
		75	1.14	-141.97	-141.36	2.66	1.40	2.01	-139.96

*LINE	10*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-2.35	-251.30	-253.23	2.05	.87	-1.07	-252.37
		15	-1.68	-249.60	-251.54	-2.85	-1.18	-3.12	-252.72
		16	-1.99	-252.96	-254.89	.80	.49	-1.45	-254.40

*LINE	11*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	2.35	-253.65	-251.19	-2.05	-1.18	1.28	-252.37
		15	3.33	-254.53	-252.07	-2.25	-1.10	1.36	-253.17
		16	2.43	-257.29	-254.83	.82	.56	3.02	-254.27
		17	-11.27	-254.92	-252.45	.98	.60	3.07	-251.85
		18	-10.52	-227.43	-224.97	-1.37	-.56	1.90	-225.53
		19	9.44	-255.17	-252.71	7.15	2.97	5.43	-249.74
		20	2.12	-200.81	-198.35	-1.49	-.64	1.82	-198.99
		21	-.91	-185.04	-182.57	-3.55	-1.43	1.03	-184.01
		73	-2.31	-131.81	-129.35	.69	.29	2.75	-129.06
		75	1.41	-157.81	-155.34	1.08	.62	3.08	-154.72

*LINE	12*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	3.49	-210.72	-201.28	-2.05	-1.19	8.25	-202.47
		14	8.08	-210.12	-200.69	1.65	1.15	10.59	-199.53
		15	13.69	-205.77	-196.33	1.14	.62	10.05	-195.72
		16	9.99	-215.37	-205.93	1.40	1.02	10.45	-204.92
		17	-7.84	-222.38	-212.95	-2.56	-1.70	7.73	-214.65
		18	-2.39	-231.50	-222.07	-.22	-.10	9.33	-222.17
		19	10.47	-225.40	-215.97	1.21	.56	9.99	-215.41
		20	15.13	-222.24	-212.81	4.54	2.18	11.62	-210.62
		21	5.07	-211.43	-202.00	-4.55	-2.05	7.38	-204.05
		22	8.00	-200.69	-191.26	-3.03	-1.46	7.97	-192.72
		24	.34	-203.22	-193.78	-3.43	-1.47	7.97	-195.25
		27	7.95	-209.97	-200.53	-2.01	-1.14	8.30	-201.67
		73	12.94	-202.04	-192.60	8.98	4.18	13.62	-188.42
		75	6.23	-200.30	-190.87	-1.07	-.67	8.77	-191.53

*LINE	13*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-3.49	-207.23	-203.33	2.05	.86	4.76	-202.47
		23	-1.06	-225.06	-221.16	-2.99	-1.07	2.83	-222.23
		25	-6.20	-208.93	-205.03	-1.89	-.77	3.13	-205.80
		26	1.42	-196.81	-192.91	2.84	1.63	5.53	-191.28

*LINE	14*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-8.08	-202.04	-199.04	-1.65	-.50	2.51	-199.53
		23	2.98	-234.70	-231.70	1.95	.48	3.49	-231.22
		26	-2.62	-181.86	-178.85	-.30	-.13	2.87	-178.99

*LINE	15*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	1.68	-251.28	-254.39	2.85	1.67	-1.44	-252.72
		11	-3.33	-251.21	-254.32	2.25	1.14	-1.97	-253.17
		12	-13.69	-192.08	-195.19	-1.14	-.53	-3.64	-195.72
		23	-10.30	-230.18	-233.29	-5.22	-2.07	-5.18	-235.36
		26	-7.17	-171.28	-174.39	1.26	.78	-2.33	-173.61

		9	1.10	-265.27	-264.41	.86	.31	1.16	-264.11
		10	1.99	-254.94	-254.09	-.80	-.31	.54	-254.40
		11	-2.43	-254.87	-254.02	-.82	-.26	.59	-254.27
		12	-9.99	-205.38	-209.53	-1.40	-.39	.46	-204.92
		23	1.05	-244.82	-243.97	2.16	.49	1.34	-243.48
*LINE	17*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	12.63	-270.57	-255.86	-1.47	-.63	14.08	-256.49
		11	11.27	-266.19	-251.48	-.98	-.37	14.34	-251.65
		12	7.84	-230.22	-215.51	2.56	.86	15.57	-214.65
		23	14.36	-252.54	-237.83	1.62	.46	15.17	-237.37
		28	11.35	-272.04	-257.33	-1.74	-.58	14.13	-257.91
*LINE	18*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	7.93	-237.21	-225.61	-3.07	-1.96	9.65	-227.57
		11	10.52	-237.95	-226.34	1.37	.81	12.42	-225.53
		12	2.39	-233.89	-222.29	.22	.12	11.72	-222.17
		23	16.89	-252.43	-240.82	7.25	3.46	15.07	-237.36
		28	10.29	-260.33	-248.72	.30	.16	11.76	-248.57
		29	4.77	-252.16	-240.55	-6.07	-3.31	8.29	-243.86
*LINE	19*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	.79	-245.89	-245.67	1.22	.77	.95	-244.89
		11	-9.44	-245.73	-245.56	-7.15	-4.18	-4.01	-249.74
		12	-10.47	-214.94	-214.76	-1.21	-.65	-.47	-215.41
		23	1.61	-232.59	-232.42	3.40	1.60	1.78	-230.82
		28	2.29	-259.15	-258.98	3.73	1.97	2.15	-257.00
*LINE	20*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	2.64	-192.61	-193.76	-2.95	-1.09	-2.19	-194.80
		9	1.28	-211.78	-212.93	3.03	1.87	.72	-211.06
		11	-2.12	-198.69	-199.84	1.49	.85	-.30	-198.99
		12	-15.13	-207.11	-208.26	-4.54	-2.36	-3.51	-210.62
		23	-10.35	-220.20	-221.35	-7.23	-3.29	-4.43	-224.63
		28	.83	-243.14	-244.28	3.59	1.84	.69	-242.44
		29	1.57	-240.79	-241.93	3.49	1.82	.67	-240.11
		30	-.72	-222.27	-223.42	2.59	1.49	.34	-221.93
		52	-7.76	-221.17	-222.32	.53	.32	-.83	-222.00
*LINE	21*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.69	-231.01	-231.19	-2.86	-1.09	-1.27	-232.28
		9	2.61	-167.18	-167.37	3.40	2.19	2.00	-165.18
		11	.91	-185.95	-186.13	3.55	2.12	1.94	-184.01
		12	-5.07	-206.36	-206.55	4.55	2.50	2.31	-204.05
		23	3.48	-211.88	-212.07	5.63	2.72	2.54	-209.34
		28	-8.01	-195.63	-195.81	-6.22	-3.37	-3.55	-199.18
		29	-.75	-205.28	-205.46	.20	.11	-.07	-205.35
		30	-7.23	-213.04	-213.22	-4.89	-2.94	-3.13	-216.16
		52	-10.70	-237.01	-237.19	-3.37	-2.09	-2.28	-239.29
*LINE	22*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-8.00	-192.70	-194.29	3.03	1.56	-.03	-192.72
		23	-8.73	-158.56	-160.15	-5.17	-2.33	-3.92	-162.48
		74	-1.15	-202.64	-204.23	2.15	1.44	-.15	-202.79
*LINE	23*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	1.06	-226.12	-224.15	2.99	1.92	3.89	-222.23
		14	-2.98	-231.72	-229.75	-1.95	-1.46	.51	-231.22
		15	10.30	-240.48	-238.51	5.22	3.15	5.12	-235.36
		16	-1.05	-243.77	-241.80	-2.16	-1.67	.30	-243.48
		17	-14.36	-238.17	-236.20	-1.62	-1.17	.80	-237.37
		18	-16.89	-235.54	-233.57	-7.25	-3.79	-1.82	-237.36
		19	-1.61	-230.98	-229.02	-3.40	-1.80	.17	-230.82
		20	10.35	-230.55	-228.58	7.23	3.95	5.92	-224.63
		21	-3.48	-208.41	-206.44	-5.63	-2.91	-.94	-209.34
		22	8.73	-167.29	-165.32	5.17	2.84	4.81	-162.48
		24	2.93	-230.72	-228.75	6.62	3.27	5.24	-225.48
		27	-.62	-228.28	-226.31	-3.12	-1.96	.00	-228.27
		73	-3.34	-175.59	-173.62	.16	.08	2.05	-173.54
		75	-2.43	-190.76	-188.79	-2.26	-1.54	.43	-190.33
*LINE	24*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-.34	-202.88	-197.21	3.43	1.96	7.62	-195.25
		23	-2.93	-227.80	-222.13	-6.62	-3.35	2.31	-225.48
		25	2.50	-190.22	-184.55	5.05	2.83	8.49	-181.72
		26	-1.51	-186.87	-181.20	-1.85	-1.32	4.34	-182.53

150102

*LINE	25*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	6.20	-215.14	-206.92	1.89	1.12	9.33	-205.80
		24	-2.50	-187.71	-179.50	-5.05	-2.22	5.99	-181.72
		27	11.90	-184.80	-176.58	3.16	1.83	10.05	-174.75

*LINE	26*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	-1.42	-195.39	-190.07	-2.84	-1.21	4.11	-191.28
		14	2.62	-184.47	-179.15	.30	.17	5.49	-178.99
		15	7.17	-178.44	-173.12	-1.26	-.49	4.83	-173.61
		24	1.51	-188.38	-183.06	1.85	.53	5.85	-182.53
		27	7.79	-185.84	-180.52	1.95	.80	6.12	-179.72

*LINE	27*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-7.95	-202.02	-202.54	2.01	.87	.34	-201.67
		23	.62	-228.90	-229.42	3.12	1.15	.63	-228.27
		25	-11.90	-172.90	-173.42	-3.16	-1.33	-1.86	-174.75
		26	-7.79	-178.05	-178.57	-1.95	-1.15	-1.67	-179.72

*LINE	28*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		17	-11.35	-260.69	-259.07	1.74	1.17	2.78	-257.91
		18	-10.29	-250.04	-248.43	-.30	-.14	1.48	-248.57
		19	-2.29	-256.86	-255.25	-3.73	-1.76	-.14	-257.00
		20	-.83	-242.31	-240.6[illegible]	-3.59	-1.75	-.14	-242.44
		21	8.01	-203.65	-202.03	6.22	2.85	8.46	-199.18
		73	-.90	-155.46	-153.84	2.95	1.40	3.01	-152.44
		75	-3.81	-180.17	-178.56	-3.29	-2.06	-.45	-180.63

*LINE	29*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		18	-4.77	-247.39	-246.62	6.07	2.76	3.53	-243.86
		20	-1.57	-239.22	-238.45	-3.49	-1.67	-.90	-240.11
		21	.75	-206.03	-205.26	-.20	-.09	.68	-205.35
		73	-7.66	-183.65	-182.88	-2.96	-1.37	-.60	-184.25
		75	-.78	-197.02	-196.25	.59	.36	1.13	-195.89

*LINE	30*	*X-LINE*	*OP. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		20	.72	-222.99	-220.82	-2.59	-1.10	1.06	-221.93
		21	7.23	-220.27	-218.11	4.89	1.94	4.10	-216.16
		49	6.59	-219.01	-216.85	-2.90	-.88	1.29	-217.72
		73	-4.70	-213.62	-211.46	-1.39	-.57	1.59	-212.03
		76	3.53	-217.79	-215.63	-.24	-.08	2.08	-215.71
		77	-4.23	-219.15	-216.99	2.24	1.34	3.50	-215.65

*LINE	31*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	1.77	-313.97	-332.31	13.38	9.74	-8.61	-322.57
		3	-38.09	-71.51	-89.86	-32.12	-19.04	-37.39	-108.90
		7	-12.80	-254.13	-272.47	2.86	2.00	-16.35	-270.47
		43	9.94	-245.33	-263.67	3.45	2.54	-15.81	-261.13
		45	-43.74	-323.76	-342.10	-9.51	-6.91	-25.26	-349.02
		46	1.83	-347.98	-366.33	30.77	21.21	2.87	-345.11
		47	-24.77	-146.87	-165.22	-8.83	-6.83	-25.18	-172.05

*LINE	32*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-2.99	-307.21	-321.85	4.92	2.79	-11.85	-319.06
		3	-21.12	-57.72	-72.36	-18.85	-7.87	-22.52	-80.24
		7	-.96	-256.40	-271.04	10.99	5.86	-8.78	-265.18
		43	16.95	-258.49	-273.14	6.76	3.91	-10.74	-269.23
		45	-28.34	-338.80	-353.44	2.19	1.24	-13.40	-352.20
		46	-27.74	-318.62	-333.27	-2.50	-1.31	-15.95	-334.57
		47	-15.75	-119.50	-134.15	-3.50	-2.20	-16.84	-136.34

*LINE	33*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	14.84	-321.41	-322.46	9.16	4.53	3.48	-317.93
		2	-3.90	-362.08	-363.13	.04	.02	-1.03	-363.11
		3	7.74	-65.17	-66.22	-3.58	-1.24	-2.30	-67.46
		7	9.73	-269.18	-270.23	8.10	3.72	2.67	-266.51
		43	13.04	-265.56	-266.62	-10.74	-5.42	-6.47	-272.04
		45	-11.22	-351.56	-352.61	5.71	2.82	1.77	-349.79
		46	-13.57	-334.32	-335.37	-1.93	-.87	-1.92	-336.24
		47	-5.41	-117.62	-118.68	-6.76	-3.76	-4.81	-122.43

*LINE	34*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.28	-301.69	-303.78	-1.37	-.56	-2.64	-304.33
		2	-15.03	-345.74	-347.83	-10.06	-4.59	-6.67	-352.42
		3	15.91	-69.77	-71.85	5.62	1.53	-.55	-70.32
		7	-.67	-268.53	-270.61	-1.28	-.48	-2.56	-271.09
		45	-16.53	-332.86	-334.94	1.49	.58	-1.50	-334.36
		46	-10.24	-338.74	-340.82	2.43	.88	-1.20	-339.94

150103

47	3.54	-132.49	-134.58	3.22	1.50	-.58	-133.07

LINE 35	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	13.38	-294.66	-285.27	-2.73	-.51	8.87	-285.79
	2	7.20	-356.72	-347.33	.71	.16	9.54	-347.18
	3	21.84	-102.09	-92.71	.08	.01	9.39	-92.70
	4	12.64	-253.79	-244.41	2.39	.52	9.90	-243.89
	45	-5.20	-333.21	-323.83	1.30	.24	9.63	-323.59
	46	-1.55	-349.20	-339.82	-.34	-.05	9.33	-339.87
	47	10.37	-158.99	-149.61	-1.41	-.32	9.06	-149.93

LINE 36	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-19.09	-254.38	-266.24	-13.96	-8.00	-19.86	-274.24
	2	-23.34	-323.91	-335.77	-8.59	-5.34	-17.20	-341.11
	3	15.57	-112.77	-124.63	15.06	6.36	-5.50	-118.27
	4	-1.62	-252.55	-264.41	9.37	5.80	-6.07	-258.61
	7	-12.22	-210.49	-222.35	-3.04	-1.63	-13.50	-223.98
	45	-30.21	-304.99	-316.86	-2.47	-1.41	-13.27	-318.27
	46	-26.64	-329.13	-341.00	-4.19	-2.21	-14.07	-343.21
	47	-1.65	-162.95	-174.82	7.81	4.94	-6.93	-169.88

LINE 37	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-4.85	-282.41	-301.33	7.33	4.03	-14.88	-297.30
	2	-19.91	-332.65	-351.56	1.89	1.13	-17.78	-350.43
	3	-1.41	-63.60	-82.51	5.13	2.05	-16.86	-80.46
	7	-30.17	-231.66	-250.58	-13.94	-7.17	-26.08	-257.75
	45	-23.56	-318.48	-337.40	11.24	6.17	-12.75	-331.23
	46	-38.26	-322.50	-341.42	-8.76	-4.41	-23.33	-345.83
	47	-19.41	-120.51	-139.42	-2.89	-1.76	-20.68	-141.18

LINE 38	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-.21	-259.67	-261.44	-5.17	-2.27	-4.04	-263.71
	2	-.79	-336.85	-338.62	3.87	1.89	.12	-336.73
	3	8.91	-122.76	-124.53	-1.69	-.51	-2.27	-125.04
	4	5.38	-273.21	-274.96	6.28	3.05	1.28	-271.93
	7	-7.75	-193.78	-195.55	-8.67	-3.50	-5.27	-199.05
	45	-18.54	-310.91	-312.67	-.89	-.39	-2.16	-313.06
	46	-14.20	-345.87	-347.64	-1.84	-.72	-2.49	-348.36
	47	8.75	-187.48	-189.25	8.11	4.05	2.29	-185.19

LINE 39	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-3.73	-330.84	-339.72	8.04	3.84	-5.04	-335.88
	3	3.81	-143.13	-152.01	.32	.09	-8.79	-151.92
	4	-12.20	-278.35	-287.23	-4.19	-1.99	-10.87	-289.22
	45	-19.56	-305.28	-314.16	5.21	2.22	-6.66	-311.94
	46	-22.67	-343.90	-352.78	-3.20	-1.23	-10.10	-354.00
	47	-12.65	-196.25	-205.13	-6.17	-3.02	-11.90	-208.14

LINE 40	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-.80	-215.52	-218.47	-4.58	-1.78	-4.73	-220.25
	2	-2.35	-328.46	-331.42	3.49	1.52	-1.43	-329.89
	3	15.33	-177.10	-180.05	5.91	1.52	-1.44	-178.53
	4	1.67	-313.87	-316.82	3.76	1.63	-1.32	-315.19
	45	-19.97	-289.63	-292.58	-1.13	-.44	-3.39	-293.02
	46	-20.49	-350.42	-353.37	-6.95	-2.40	-5.35	-355.77
	47	-1.05	-234.46	-237.41	-.50	-.22	-3.18	-237.64

LINE 41	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	8.14	-338.62	-334.39	6.81	3.41	7.64	-330.98
	3	15.73	-206.23	-202.00	-.87	-.27	3.96	-202.27
	4	.97	-329.73	-325.50	-4.12	-2.06	2.17	-327.56
	45	-3.14	-302.91	-298.69	8.52	3.84	8.06	-294.85
	46	-12.13	-359.93	-355.70	-5.77	-2.34	1.88	-358.04
	47	2.06	-257.94	-253.72	-4.57	-2.35	1.88	-256.06

LINE 42	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-15.09	-183.84	-193.72	-11.88	-7.43	-17.37	-201.21
	2	-17.62	-320.72	-330.66	-4.78	-3.21	-13.15	-333.67
	3	23.91	-249.19	-259.14	21.51	10.24	.29	-248.90
	4	-8.45	-335.59	-345.49	.63	.42	-9.52	-345.07
	45	-40.70	-260.81	-270.75	-14.87	-9.28	-19.22	-280.03
	46	-19.08	-354.14	-364.08	1.45	.84	-9.10	-363.24
	47	.39	-280.62	-290.56	7.94	5.40	-4.54	-285.16

LINE 43	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	31	-9.94	-235.38	-260.22	-3.45	-.91	-25.75	-261.13
	32	-16.95	-241.54	-266.38	-6.76	-2.85	-27.69	-269.23

	33	-13.04	-252.52	-277.36	10.74	5.32	-19.52	-272.04
	44	-41.01	-224.80	-249.64	-.53	-.34	-25.18	-249.98

LINE 44	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	24.43	-335.33	-319.69	2.06	.72	16.36	-318.97
	3	26.57	-160.37	-144.73	-1.44	-.33	15.31	-145.05
	7	23.31	-279.61	-263.97	4.98	1.59	17.23	-262.38
	43	41.01	-265.81	-250.17	.53	.19	15.83	-249.98
	45	-8.78	-353.72	-338.08	-8.54	-2.98	12.66	-341.06
	46	5.28	-351.80	-336.16	.24	.07	15.71	-336.08
	47	20.21	-229.46	-213.82	2.17	.89	16.53	-212.93
	51	30.65	76.50	92.14	.00	.00	15.64	92.14

LINE 45	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	16.74	-311.47	-295.59	-1.78	-1.11	14.78	-296.70
	31	43.74	-367.50	-351.61	9.51	2.60	18.48	-349.02
	32	28.34	-367.14	-351.25	-2.19	-.95	14.94	-352.20
	33	11.22	-362.78	-346.90	-5.71	-2.89	12.99	-349.79
	34	16.53	-349.39	-333.50	-1.44	-.86	15.03	-334.36
	35	5.20	-338.41	-322.53	-1.30	-1.06	14.82	-323.59
	36	30.21	-335.21	-319.32	2.47	1.06	16.94	-318.27
	37	23.56	-342.04	-326.16	-11.24	-5.07	10.81	-331.23
	38	18.54	-329.44	-313.56	.89	.50	16.38	-313.06
	39	19.56	-324.84	-308.95	-5.21	-2.98	12.90	-311.94
	40	19.97	-309.60	-293.72	1.13	.69	16.58	-293.02
	41	3.14	-306.05	-290.16	-8.52	-4.68	11.20	-294.85
	42	40.70	-301.50	-285.62	14.87	5.59	21.47	-280.03
	44	8.78	-362.50	-346.62	8.54	5.56	21.44	-341.06

LINE 46	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	7.42	-327.10	-316.51	-6.50	-4.05	6.54	-320.56
	31	-1.83	-346.15	-335.56	-30.77	-9.55	1.04	-345.11
	32	27.74	-346.36	-335.77	2.50	1.20	11.79	-334.57
	33	13.57	-347.89	-337.30	1.93	1.07	11.66	-336.24
	34	10.24	-348.98	-338.39	-2.43	-1.55	9.04	-339.94
	35	1.55	-350.75	-340.16	.34	.28	10.88	-339.87
	36	26.64	-355.78	-345.19	4.19	1.98	12.57	-343.21
	37	38.26	-360.77	-350.18	8.76	4.35	14.94	-345.83
	38	14.20	-360.07	-349.48	1.64	1.12	11.71	-348.36
	39	22.67	-366.56	-355.97	3.20	1.97	12.56	-354.00
	40	20.49	-370.91	-360.32	6.95	4.55	15.14	-355.77
	41	12.13	-372.06	-361.47	5.77	3.42	14.01	-358.04
	42	19.08	-373.22	-362.63	-1.45	-.61	9.98	-363.24
	44	-5.28	-346.51	-335.92	-.24	-.16	10.43	-336.08
	49	11.95	-303.73	-293.14	-5.97	-3.36	7.23	-296.50
	50	19.78	-343.04	-332.44	1.86	1.58	12.17	-330.86
	76	18.94	-269.88	-259.29	6.74	4.07	14.66	-255.22
	77	2.02	-287.06	-276.47	.06	.05	10.64	-276.42
	78	2.83	-263.38	-252.79	3.22	2.32	12.91	-250.48

LINE 47	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	-9.96	-366.95	-369.35	-5.52	-2.50	-4.90	-371.85
	6	-3.05	-334.73	-337.13	-3.28	-1.84	-4.24	-338.97
	8	6.53	-272.93	-275.33	5.60	2.90	.50	-272.43
	31	24.77	-171.65	-174.05	8.83	2.00	-.40	-172.05
	32	15.75	-135.25	-137.65	3.50	1.31	-1.10	-136.34
	33	5.41	-123.03	-125.43	6.76	3.00	.60	-122.43
	34	-3.54	-128.96	-131.36	-3.22	-1.71	-4.11	-133.07
	35	-10.37	-148.62	-151.03	1.41	1.09	-1.31	-149.93
	36	1.65	-164.61	-167.01	-7.81	-2.87	-5.28	-169.88
	37	19.41	-139.91	-142.31	2.89	1.13	-1.27	-141.18
	38	-8.75	-178.73	-181.14	-8.11	-4.06	-6.46	-185.19
	39	12.65	-208.90	-211.30	6.17	3.15	.75	-208.14
	40	1.65	-235.51	-237.91	.50	.28	-2.13	-237.64
	41	-2.06	-255.89	-258.29	4.57	2.23	-.17	-256.06
	42	-.39	-280.22	-282.63	-7.94	-2.53	-4.94	-285.16
	44	-20.21	-209.24	-211.64	-2.17	-1.29	-3.69	-212.93
	50	2.74	-252.81	-255.21	-2.19	-1.72	-4.12	-256.93

LINE 48	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	50	24.23	-188.68	-171.78	.00	.00	16.90	-171.78

LINE 49	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-9.46	-251.73	-259.05	-8.86	-4.28	-11.61	-263.33
	30	-6.59	-212.42	-219.74	2.90	2.02	-5.31	-217.72
	46	-11.95	-291.78	-299.11	5.97	2.61	-4.72	-296.50

*LINE	50*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.93	-319.05	-321.38	-.33	-.06	-7.39	-321.44
		46	-19.78	-323.25	-330.58	-1.86	-.28	-7.61	-330.86
		47	-2.74	-250.07	-257.40	2.19	.47	-6.87	-256.93
		48	-24.23	-164.45	-171.79	.00	.00	-7.33	-171.78

*LINE	51*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		44	-30.65	107.15	92.14	.00	.00	-15.00	92.14

*LINE	52*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		20	7.76	-228.93	-221.79	-.53	-.22	6.93	-222.00
		21	10.70	-247.71	-240.56	3.37	1.28	8.42	-239.29
		73	-1.16	-261.17	-254.03	-2.84	-1.12	6.03	-255.14

*LINE	73*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	18.96	-258.41	-252.94	6.76	2.47	7.94	-250.47
		9	3.56	-99.20	-93.73	-1.30	-.82	4.65	-94.55
		11	2.31	-134.13	-128.66	-.69	-.40	5.07	-129.06
		12	-12.94	-189.09	-183.63	-8.98	-4.79	.68	-188.42
		23	3.34	-178.93	-173.46	-.16	-.07	5.39	-173.54
		28	.90	-156.36	-150.89	-2.95	-1.56	3.91	-152.44
		29	7.66	-191.31	-185.84	2.96	1.59	7.06	-184.25
		30	4.70	-218.32	-212.85	1.39	.82	6.29	-212.03
		52	1.16	-262.33	-256.86	2.84	1.72	7.19	-255.14
		74	3.90	-194.06	-188.59	.14	.10	5.57	-188.49

*LINE	74*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		22	1.15	-203.79	-202.08	-2.15	-.71	1.00	-202.79
		73	-3.90	-190.16	-188.45	-.14	-.05	1.67	-188.49
		75	1.87	-183.49	-181.77	2.29	1.06	2.78	-180.71

*LINE	75*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	-1.14	-140.84	-138.70	-2.66	-1.26	.87	-139.96
		11	-1.41	-156.40	-154.26	-1.08	-.46	1.68	-154.72
		12	-6.23	-194.08	-191.94	1.07	.41	2.54	-191.53
		23	2.43	-193.18	-191.05	2.26	.72	2.86	-190.33
		28	3.81	-183.98	-181.85	3.29	1.22	3.36	-180.63
		29	.78	-197.80	-195.66	-.59	-.22	1.91	-195.89
		74	-1.87	-181.62	-179.48	-2.29	-1.23	.91	-180.71

*LINE	76*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	11.63	-232.35	-233.95	6.50	2.87	1.27	-231.08
		30	-3.53	-214.26	-215.86	.24	.16	-1.44	-215.71
		46	-18.94	-250.95	-252.55	-6.74	-2.67	-4.27	-255.22

*LINE	77*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	17.66	-245.26	-236.63	2.30	.49	9.12	-236.14
		30	4.23	-223.38	-214.75	-2.24	-.90	7.73	-215.65
		46	-2.02	-285.04	-276.41	-.06	-.01	8.62	-276.42

*LINE	78*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	20.93	-243.93	-232.95	3.22	1.03	12.01	-231.92
		46	-2.83	-260.55	-249.57	-3.22	-.90	10.07	-250.48

CONVERGENCE COMPLETE

** 13 ITERATIONS PERFORMED**

MAX. ERROR= .5844377-002

MAXIMAL CONNECTED SUBNETWORK # 2

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
53	13	4.202	9.491	10.330	3.207	.8696318-003
54	2	.950	-6.733	9.116	.950	.2711892-002
55	2	.964	-4.647	8.070	.964	.2483130-002
56	5	7.742	4.088	9.357	7.147	.8831024-003
57	6	5.093	2.385	10.994	4.096	.2301633-003
58	6	3.960	4.569	10.182	3.796	-.6048679-003
59	6	2.102	-4.212	9.284	1.707	-.1405299-002
60	6	4.473	-2.670	9.232	3.540	-.2127114-002
61	6	4.860	6.269	8.873	4.245	-.1342952-002
62	6	2.809	4.267	8.084	2.490	-.1541436-002
63	6	3.288	-7.135	8.098	2.375	-.1667500-002
64	5	2.977	-.679	6.897	2.624	-.1281261-002

150106

65	4	2.094	-4.588	7.687	1.681	-.1116812-002
66	3	5.927	6.927	14.601	5.108	-.2728701-003
67	3	5.015	2.427	7.433	4.578	.8251071-003
68	6	2.669	-2.743	6.040	2.061	.2375841-003
80	7	3.419	-3.379	6.868	2.708	.8447170-003
81	5	3.459	-4.722	5.078	2.572	.9546280-003
82	10	5.043	.397	5.024	4.291	.7529259-003
83	5	3.639	20.080	19.248	3.479	.3256798-003
84	12	4.031	-8.601	9.771	3.379	.2821684-003
85	8	5.775	-10.711	11.657	4.704	-.3981590-004
22	132	3.841	.000	9.178	3.277	.8046627-006
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	123.65
AFTER REMOVAL OF SYSTEMATIC ERROR	18.13
RATIO	6.82

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	11.12
AFTER REMOVAL OF SYSTEMATIC ERROR	4.26
RATIO	2.61

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	9.11
AFTER REMOVAL OF SYSTEMATIC ERROR	3.40
RATIO	2.68

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 5.54

****** INTERSECTION STATISTICS ******

LINE 53	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	54	17.17	-287.50	-278.01	.95	.77	10.26	-277.24
	55	15.10	-281.97	-272.48	.96	.78	10.27	-271.70
	57	15.12	-273.65	-264.16	8.01	3.62	13.11	-260.54
	58	-.64	-260.51	-251.02	-5.56	-2.86	6.63	-253.89
	59	14.18	-249.60	-240.11	.48	.32	9.81	-239.79
	60	7.47	-232.80	-223.31	-4.70	-2.27	7.22	-225.59
	61	-2.90	-205.53	-196.04	-6.12	-2.84	6.65	-198.88
	62	2.66	-194.80	-185.31	-2.56	-1.53	7.96	-186.85
	63	16.83	-184.02	-174.53	.20	.11	9.60	-174.42
	64	11.99	-172.12	-162.63	1.82	1.06	10.56	-161.56
	65	14.84	-151.87	-142.38	.76	.51	10.00	-141.87
	66	10.23	-130.69	-121.20	7.66	3.18	12.67	-118.02
	67	5.16	-102.77	-93.28	-1.90	-.87	8.62	-94.15

LINE 54	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-17.17	-270.33	-277.06	-.95	-.17	-6.91	-277.24
	81	-1.06	-282.66	-289.39	.95	.20	-6.53	-289.19

LINE 55	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-15.10	-266.87	-271.52	-.96	-.18	-4.83	-271.70
	81	1.04	-253.91	-258.56	.97	.21	-4.44	-258.35

LINE 56	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	81	2.38	-254.56	-250.47	-6.43	-4.44	-.36	-254.92
	82	13.35	-230.80	-226.71	9.66	5.85	9.94	-220.86
	83	-11.35	-249.50	-245.41	4.64	3.16	7.24	-242.25
	84	16.34	-197.33	-193.24	3.57	2.35	6.44	-190.89
	85	3.36	-206.88	-202.79	-11.44	-6.55	-2.46	-209.35

LINE 57	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-15.12	-258.54	-256.15	-8.01	-4.39	-2.00	-260.54
	81	7.57	-261.73	-259.34	.46	.27	2.66	-259.07
	82	9.76	-227.84	-225.45	7.77	3.90	6.29	-221.55
	83	-13.64	-256.61	-254.22	4.06	2.37	4.75	-251.86
	84	10.55	-164.47	-162.08	-.51	-.29	2.10	-162.37
	85	9.33	-186.07	-183.68	-3.76	-1.76	.62	-185.45

LINE 58	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	.64	-261.15	-256.58	5.56	2.70	7.27	-253.89
	81	13.34	-263.04	-258.47	4.05	2.16	6.73	-256.30
	82	.65	-210.15	-205.58	-3.52	-1.55	3.02	-207.13
	83	-19.77	-235.85	-231.28	-4.26	-2.22	2.35	-233.50
	84	15.02	-156.56	-151.99	1.77	.88	5.45	-151.11
	85	11.66	-182.26	-177.69	-3.62	-1.47	3.10	-179.16

LINE 59	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-14.18	-235.42	-239.63	-.48	-.16	-4.37	-239.79
	68	-2.79	-237.88	-242.09	-1.33	-.58	-4.80	-242.67
	82	-.58	-194.28	-198.49	4.03	1.18	-3.03	-197.31
	83	-26.85	-203.72	-207.93	-2.56	-.94	-5.15	-208.87
	84	3.71	-140.66	-144.88	-.76	-.26	-4.47	-145.14
	85	7.59	-180.54	-184.75	1.09	.29	-3.92	-184.46

LINE 60	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-7.47	-225.34	-228.01	4.70	2.42	-.25	-225.59
	68	-3.65	-220.43	-223.10	-3.72	-2.33	-5.00	-225.42
	82	-3.88	-182.67	-185.34	-.81	-.38	-3.05	-185.72
	83	-24.63	-195.35	-198.02	-1.88	-1.04	-3.71	-199.06
	84	.60	-152.54	-155.21	-5.41	-2.84	-5.51	-158.06
	85	15.16	-183.44	-186.11	7.12	3.11	.44	-183.00

LINE 61	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	2.90	-208.44	-202.17	6.12	3.28	9.55	-198.88
	68	9.63	-219.09	-212.82	.61	.40	6.67	-212.42
	80	13.80	-210.67	-204.40	4.15	2.44	8.71	-201.97
	82	.52	-200.18	-193.91	-5.35	-2.63	3.64	-196.54
	84	7.57	-216.46	-210.19	-7.38	-4.04	2.23	-214.23
	85	18.83	-216.24	-209.97	1.84	.84	7.11	-209.13

LINE 62	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	53	-2.66	-192.14	-187.87	2.56	1.03	5.29	-186.85
	68	7.56	-208.91	-204.64	.55	.28	4.55	-209.36
	80	10.38	-219.80	-215.53	2.73	1.23	5.50	-214.30
	82	-.98	-212.21	-207.94	-4.85	-1.73	2.53	-209.68

	84	10.32	-230.49	-226.22	-2.63	-1.08	3.19	-227.30
	85	16.61	-224.76	-220.50	1.63	.53	4.80	-219.96

*LINE	63*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-16.83	-167.19	-174.33	-.20	-.09	-7.22	-174.42
		68	-5.53	-183.37	-190.51	-1.14	-.63	-7.76	-191.14
		80	-6.37	-202.99	-210.12	-2.61	-1.28	-8.41	-211.40
		82	-8.44	-205.96	-213.10	-.91	-.36	-7.49	-213.46
		84	-.71	-213.32	-220.45	-2.26	-1.02	-8.15	-221.47
		85	10.70	-218.54	-225.67	7.12	2.58	-4.55	-223.09

*LINE	64*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-11.99	-160.13	-160.81	-1.82	-.75	-1.43	-161.56
		68	7.08	-186.95	-187.63	5.02	2.65	1.97	-184.98
		80	4.24	-203.04	-203.72	1.54	.72	.04	-203.01
		82	-4.49	-214.02	-214.70	-3.42	-1.27	-1.95	-215.96
		84	6.68	-220.03	-220.70	-1.32	-.56	-1.24	-221.27

*LINE	65*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-14.84	-137.03	-141.61	-.76	-.25	-4.84	-141.87
		80	-1.04	-175.24	-179.83	.17	.06	-4.52	-179.76
		82	-1.58	-197.28	-201.86	-2.60	-.76	-5.35	-202.63
		84	7.28	-221.48	-226.07	3.19	1.09	-3.50	-224.98

*LINE	66*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-10.23	-120.47	-113.54	-7.66	-4.48	2.44	-118.02
		80	11.19	-158.21	-151.29	.89	.56	7.49	-150.73
		84	22.38	-242.34	-235.41	6.77	4.03	10.96	-231.38

*LINE	67*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-5.16	-97.61	-95.18	1.90	1.03	3.46	-94.15
		80	-1.06	-103.75	-101.32	-6.87	-4.08	-1.66	-105.40
		84	16.07	-245.53	-243.10	4.97	2.75	5.18	-240.35

*LINE	68*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		59	2.79	-240.67	-243.42	1.33	.74	-2.00	-242.67
		60	3.65	-224.07	-226.81	3.72	1.39	-1.35	-225.42
		61	-9.63	-209.46	-212.20	-.61	-.22	-2.96	-212.42
		62	-7.56	-201.35	-204.09	-.55	-.27	-3.01	-204.36
		63	5.53	-188.90	-191.65	1.14	.51	-2.23	-191.14
		64	-7.08	-179.87	-182.61	-5.02	-2.37	-5.12	-184.98

*LINE	80*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		61	-13.80	-196.88	-200.25	-4.15	-1.71	-5.09	-201.97
		62	-10.38	-209.42	-212.80	-2.73	-1.50	-4.88	-214.30
		63	6.37	-209.36	-212.73	2.61	1.33	-2.05	-211.40
		64	-4.24	-198.81	-202.18	-1.54	-.82	-4.20	-203.01
		65	1.04	-176.28	-179.66	-.17	-.11	-3.48	-179.76
		66	-11.19	-147.02	-150.40	-.89	-.32	-3.70	-150.73
		67	1.06	-104.81	-108.19	6.87	2.78	-.59	-105.40

*LINE	81*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		54	1.06	-283.72	-288.44	-.95	-.75	-5.47	-289.19
		55	-1.04	-252.87	-257.60	-.97	-.75	-5.48	-258.35
		56	-2.38	-252.18	-256.90	6.43	1.99	-2.74	-254.92
		57	-7.57	-254.16	-258.88	-.46	-.19	-4.91	-259.07
		58	-13.34	-249.69	-254.42	-4.05	-1.89	-6.61	-256.30

*LINE	82*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	-13.35	-217.45	-217.05	-9.66	-3.81	-3.41	-220.86
		57	-9.76	-218.08	-217.68	-7.77	-3.87	-3.47	-221.55
		58	-.65	-209.49	-209.10	3.52	1.97	2.37	-207.13
		59	.58	-194.86	-194.47	-4.03	-2.84	-2.45	-197.31
		60	3.88	-186.55	-186.15	.81	.43	.83	-185.72
		61	-.52	-199.66	-199.26	5.35	2.73	3.12	-196.54
		62	.98	-213.18	-212.79	4.85	3.11	3.51	-209.68
		63	8.44	-214.41	-214.01	.91	.55	.95	-213.46
		64	4.49	-218.51	-218.11	3.42	2.15	2.55	-215.96
		65	7.58	-204.86	-204.46	2.60	1.84	2.23	-202.63

*LINE	83*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	11.35	-260.85	-240.77	-4.64	-1.48	18.60	-242.25
		57	13.64	-270.24	-250.16	-4.06	-1.69	18.39	-251.86
		58	19.77	-255.62	-235.54	4.26	2.04	22.12	-233.50
		59	26.85	-230.57	-210.49	2.56	1.62	21.70	-208.87
		60	24.63	-219.98	-199.90	1.88	.85	20.93	-199.06

LINE 84	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-16.34	-180.99	-189.67	-3.57	-1.22	-9.90	-190.89
	57	-10.55	-153.91	-162.60	.51	.23	-8.45	-162.37
	58	-15.02	-141.54	-150.22	-1.77	-.89	-9.58	-151.11
	59	-3.71	-136.96	-145.64	.76	.50	-8.18	-145.14
	60	-.60	-151.94	-160.62	5.41	2.56	-6.12	-158.06
	61	-7.57	-208.89	-217.58	7.38	3.35	-5.33	-214.23
	62	-10.32	-220.16	-228.85	2.63	1.55	-7.13	-227.30
	63	.71	-214.03	-222.71	2.26	1.24	-7.44	-221.47
	64	-6.68	-213.35	-222.03	1.32	.76	-7.92	-221.27
	65	-7.28	-214.19	-222.88	-3.19	-2.10	-10.78	-224.98
	66	-22.38	-219.96	-228.64	-6.77	-2.74	-11.42	-231.38
	67	-16.07	-229.46	-238.14	-4.97	-2.21	-10.89	-240.35

LINE 85	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-3.36	-203.52	-214.23	11.44	4.89	-5.82	-209.35
	57	-9.33	-176.73	-187.45	3.76	2.00	-8.71	-185.45
	58	-11.66	-170.59	-181.30	3.62	2.14	-8.57	-179.16
	59	-7.59	-172.95	-183.66	-1.09	-.80	-11.51	-184.46
	60	-15.16	-168.27	-178.98	-7.12	-4.01	-19.73	-183.00
	61	-18.83	-197.41	-208.12	-1.84	-1.00	-11.71	-209.13
	62	-16.61	-208.15	-218.86	-1.63	-1.10	-11.81	-219.96
	63	-10.70	-207.84	-218.55	-7.12	-4.54	-15.25	-223.09

CONVERGENCE COMPLETE

** 10 ITERATIONS PERFORMED**

MAX. ERROR= .8299977-002

MAXIMAL CONNECTED SUBNETWORK # 3

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
69	1	.004	6.752	14.997	.004	-.4403889-002
70	1	.000	-9.872	1.624	.000	-.2537966-003
71	1	.003	9.905	18.157	.003	.2976298-002
72	1	.001	1.464	9.713	.001	.8409321-003
79	4	.003	-8.249	11.122	.002	.8403063-003
5	8	.002	.000	11.122	.002	-.1490116-006
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	162.89
AFTER REMOVAL OF SYSTEMATIC ERROR	.00

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	12.76
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	4737.97

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	11.12
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	5249.59

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 7.25

150110

**** INTERSECTION STATISTICS ****

*LINE	69*	*X-LINE* 79	*OR. M.T.* 15.00	*VAL. BSA.* -316.50	*VAL. ASA.* -311.75	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* 6.75	*FIN. CH.* -311.75
*LINE	70*	*X-LINE* 79	*OR. M.T.* -1.62	*VAL. BSA.* -289.51	*VAL. ASA.* -299.38	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -9.87	*FIN. CH.* -299.38
*LINE	71*	*X-LINE* 79	*OR. M.T.* 18.16	*VAL. BSA.* -306.72	*VAL. ASA.* -296.81	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* 9.91	*FIN. CH.* -296.81
*LINE	72*	*X-LINE* 79	*OR. M.T.* 9.71	*VAL. BSA.* -285.76	*VAL. ASA.* -284.30	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* 1.46	*FIN. CH.* -284.30
*LINE	79*	*X-LINE* 69	*OR. M.T.* -15.00	*VAL. BSA.* -303.50	*VAL. ASA.* -311.75	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -8.25	*FIN. CH.* -311.75
		70	1.62	-291.13	-299.38	.00	.00	-8.25	-299.38
		71	-18.16	-288.56	-296.81	.00	.00	-8.25	-296.81
		72	-9.71	-276.05	-284.30	.00	.00	-8.25	-284.30

**********CLOSE**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:168
TIME OF CREATION: 06:28:41
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 886010
NUMBER OF RECORDS 495
FILE CLOSED ON UNIT 10

SHIPBORNE GRAVITY AND MAGNETICS PROCESSING SYSTEM

PROGRAM NAME ADJUSTMENT

DATE 04/04/85 TIME 06:28:42
MSFI MSF.
FENF .01 1 300 0
FILE OPENED AS OLD ON UNIT 10

**********OPEN**********
FILE ON UNIT 10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:168
TIME OF CREATION: 06:28:41
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES: 85
NUMBER OF CHANNELS: 39
NO DATA VALUE: .1000000+031
FILE TYPE: ASCII
NUMBER OF WORDS REQUIRED: 886010
NUMBER OF RECORDS 495

ADJUSTMENT OF IGRF   DIUR MAG (FENF)

CONVERGENCE COMPLETE

** 97 ITERATIONS PERFORMED**

MAX. ERROR= .9996984-002

MAXIMAL CONNECTED SUBNETWORK # 1

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
1	20	6.461	-6.209	5.467	5.577	-.8849859-002
2	12	4.387	6.042	8.971	3.885	-.9357810-002
3	14	9.494	-7.644	10.635	5.686	-.1063460-001
4	9	5.503	3.875	7.776	5.188	-.9103298-002
5	3	5.003	4.781	5.778	4.706	-.5312681-002
6	5	5.373	-.155	8.032	5.162	-.6455297-002
7	8	4.669	-.946	5.377	3.518	-.9923458-002
8	3	1.813	-1.883	4.254	1.699	-.7690430-002
9	8	1.978	.219	3.282	1.594	-.1750529-002
10	3	2.004	-1.849	2.007	1.838	-.3886148-002
11	10	3.247	2.444	3.866	2.281	-.7513165-004
12	14	3.379	9.519	8.439	2.837	.4535198-002
13	4	1.951	4.857	3.042	1.600	-.1150072-002
14	3	1.783	3.285	4.558	1.608	-.1426578-002
15	5	2.691	-2.929	7.233	2.359	-.7913709-003
16	5	1.522	.955	3.309	1.269	-.1089364-002
17	5	2.006	15.708	11.135	1.942	.1415014-003
18	6	3.423	5.093	3.205	2.552	.1403391-002
19	5	5.636	1.478	4.870	4.550	.1396179-002
20	9	4.967	-.572	4.938	3.517	.3072359-002
21	9	5.104	-.877	5.758	4.517	.3532708-002
22	3	3.163	-1.734	5.961	2.856	.2948552-002
23	14	4.211	2.715	4.900	3.809	.5202591-002
24	4	3.732	1.150	6.038	2.953	.5108178-002
25	3	.881	11.191	9.047	.759	.5144119-002
26	5	1.656	5.330	4.540	1.385	.6006658-002
27	4	2.204	.432	7.067	2.020	.6006688-002
28	7	9.287	7.967	9.808	8.284	.7660866-002
29	5	2.246	-.827	2.644	1.845	.8293740-002
30	6	4.031	.271	3.831	3.150	.7106900-002
31	7	17.586	-16.122	17.474	14.161	.4972219-002
32	7	3.823	-4.625	2.817	3.029	.4514039-002
33	8	4.496	-7.248	6.196	3.429	.4033446-002
34	7	4.075	-5.742	5.383	3.675	.4021645-002
35	7	2.776	12.268	14.338	2.114	.3526449-002
36	8	4.584	-2.514	4.164	3.641	.3017038-002
37	7	4.471	-6.490	6.583	3.652	.2520442-002
38	8	5.360	1.672	5.128	4.573	.2002001-002
39	6	4.572	-3.820	6.324	3.890	.1460075-002
40	7	6.668	-3.014	6.180	5.268	.9392202-003
41	6	5.618	-2.131	6.775	5.101	.3849268-003
42	7	5.380	-2.985	6.728	3.852	-.1468956-003

150112

43	4	3.707	-7.901	3.432	3.384	.4171133-003
44	7	5.068	-8.111	4.880	4.629	-.1131773-002
45	14	5.215	-3.968	6.007	4.370	-.9918213-004
46	19	7.864	-5.981	5.997	4.331	-.2433717-002
47	17	5.503	-.604	6.989	4.543	-.1722246-002
48	1	.002	18.152	24.232	.002	-.2490282-002
49	3	6.413	-5.426	3.765	5.740	-.2174079-002
50	4	1.702	-6.083	7.423	1.378	-.2764106-002
52	3	3.080	6.463	6.539	2.721	-.1923561-002
73	10	6.498	3.539	7.880	4.560	-.1365900-002
74	3	1.301	.449	2.308	1.224	-.7696897-003
75	7	2.870	.412	3.715	2.353	-.7697195-003
76	3	8.497	-4.375	8.159	7.281	-.1016378-002
77	3	4.379	-2.098	5.702	4.123	-.1268566-002
78	2	6.260	-5.406	6.374	6.260	-.1755059-002
57	396	4.414	.000	6.443	3.653	.4619360-006
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	73.92
AFTER REMOVAL OF SYSTEMATIC ERROR	31.46
RATIO	2.35

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	8.60
AFTER REMOVAL OF SYSTEMATIC ERROR	5.61
RATIO	1.53

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	6.42
AFTER REMOVAL OF SYSTEMATIC ERROR	3.97
RATIO	1.62

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 4.57

****** INTERSECTION STATISTICS ******

LINE 1	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	8	-6.87	-294.09	-300.30	-2.54	-1.99	-8.20	-302.28
	20	-2.64	-189.98	-196.19	3.00	1.70	-4.51	-194.49
	21	-3.69	-227.32	-233.53	1.64	.92	-5.29	-232.61
	31	-1.77	-312.20	-318.40	-11.68	-3.14	-9.35	-321.54
	32	1.11	-310.20	-316.41	2.69	1.69	-4.52	-314.72
	33	-1.96	-306.57	-312.77	-3.00	-1.77	-7.98	-314.55
	34	3.51	-298.41	-304.62	3.97	2.44	-3.77	-302.18
	35	-13.38	-281.27	-287.48	5.09	3.56	-2.65	-283.92
	36	3.43	-273.46	-279.67	7.12	4.17	-2.04	-275.51
	37	-5.41	-287.26	-293.47	-5.69	-3.36	-9.57	-296.83
	38	.21	-259.88	-266.09	8.09	4.42	-1.79	-261.67
	40	8.12	-216.32	-222.53	11.32	5.57	-.64	-216.96
	42	-.04	-198.93	-205.14	3.18	1.74	-4.47	-203.40
	44	.50	-310.89	-317.10	-1.40	-.79	-6.99	-317.89
	49	7.83	-261.18	-267.39	8.61	4.32	-1.89	-263.07
	50	.93	-314.98	-321.18	1.05	.83	-5.37	-320.35
	73	-18.96	-239.45	-245.66	-9.21	-4.59	-10.80	-250.25
	76	-11.63	-220.71	-226.92	-9.80	-4.23	-10.44	-231.15
	77	-10.29	-227.60	-233.81	-6.18	-3.69	-9.89	-237.50
	78	-7.06	-222.99	-229.20	-6.26	-3.18	-9.39	-232.38

LINE 2	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	-2.68	-351.96	-345.91	-3.95	-1.84	4.20	-347.76
	6	10.47	-338.26	-332.22	4.27	1.92	7.96	-330.30
	33	16.49	-365.98	-359.94	3.20	1.58	7.62	-358.36
	34	18.51	-360.78	-354.74	6.72	3.49	9.53	-351.25
	35	-7.20	-349.51	-343.47	-.98	-.60	5.44	-344.07
	36	13.88	-347.25	-341.20	5.32	2.60	8.64	-338.60
	37	13.43	-352.55	-346.51	.89	.44	6.48	-346.07
	38	.79	-337.64	-331.60	-3.58	-1.61	4.43	-333.21
	39	3.73	-334.57	-328.52	-6.14	-3.00	3.04	-331.53
	40	7.48	-330.82	-324.77	-1.58	-.63	5.42	-325.40
	41	1.08	-330.48	-324.44	-7.09	-3.11	2.93	-327.55
	42	11.92	-338.34	-332.29	2.89	1.30	7.34	-330.99

LINE 3	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	6	-14.65	-293.43	-301.08	-7.16	-4.57	-12.22	-305.65
	31	38.09	-109.61	-117.25	29.62	10.38	2.74	-106.87
	32	-3.36	-78.84	-86.48	-.34	-.24	-7.89	-86.72
	33	1.30	-57.42	-65.07	1.69	1.15	-6.50	-63.92
	34	-6.48	-53.85	-61.50	-4.58	-3.20	-10.85	-64.70
	35	-21.84	-80.26	-87.90	-1.93	-1.49	-9.13	-89.39
	36	-7.83	-97.20	-104.84	-2.70	-1.82	-9.47	-106.67
	37	.55	-65.01	-72.65	1.70	1.15	-6.49	-71.50
	38	-8.91	-113.85	-121.49	.40	.26	-7.39	-121.24
	39	-3.81	-139.32	-146.97	.01	.01	-7.63	-146.96
	40	-15.24	-161.77	-169.41	-10.61	-6.23	-13.88	-175.64
	41	-4.18	-190.50	-198.14	1.33	.84	-6.81	-197.30
	42	-17.14	-225.26	-232.90	-12.48	-7.97	-15.61	-240.87
	44	5.50	-133.79	-141.44	5.04	3.28	-4.36	-138.15

LINE 4	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	5	6.15	-383.17	-379.30	7.06	3.70	7.57	-375.60
	6	6.83	-366.96	-363.08	2.80	1.42	5.29	-361.67
	35	-12.64	-241.15	-237.28	-4.24	-2.82	1.05	-240.10
	36	-1.59	-254.17	-250.30	-7.98	-4.35	-.48	-254.65
	38	-5.38	-267.83	-263.95	-7.58	-3.84	.03	-267.79
	39	12.20	-290.55	-286.67	4.50	2.46	6.33	-284.21
	40	3.35	-312.19	-308.32	-3.54	-1.60	2.27	-309.92
	41	11.62	-328.76	-324.88	5.61	2.78	6.65	-322.11
	42	10.22	-343.99	-340.12	3.36	1.70	5.57	-338.42

LINE 5	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	2.68	-354.64	-349.86	3.95	2.10	6.88	-347.76
	4	-6.15	-377.02	-372.24	-7.06	-3.36	1.42	-375.60
	47	8.50	-376.90	-372.12	3.11	1.48	6.26	-370.64

LINE 6	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	2	-10.47	-327.79	-327.95	-4.27	-2.35	-2.51	-330.30
	3	14.65	-308.08	-308.24	7.16	2.59	2.43	-305.65
	4	-6.83	-360.13	-360.28	-2.80	-1.38	-1.54	-361.67
	45	-2.02	-294.73	-294.89	-5.83	-2.96	-3.11	-297.85
	47	6.19	-337.78	-337.93	5.74	2.83	2.68	-335.10

*LINE	7*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		31	8.97	-263.10	-264.04	-6.21	-1.30	-2.25	-265.34
		32	6.62	-269.71	-270.65	2.94	1.62	.67	-269.04
		33	7.21	-272.36	-273.30	.91	.46	-.48	-272.84
		34	6.96	-267.16	-268.11	2.16	1.15	.21	-266.95
		36	1.69	-221.82	-222.77	.12	.06	-.88	-222.71
		37	5.75	-254.66	-255.60	.21	.11	-.84	-255.50
		38	5.11	-198.90	-199.84	7.73	3.60	2.65	-196.24
		44	-.70	-258.16	-259.10	-7.87	-3.77	-4.72	-262.88

*LINE	8*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	6.87	-300.96	-302.84	2.54	.56	-1.33	-302.28
		46	3.08	-314.82	-316.71	-1.02	-.19	-2.07	-316.90
		47	-2.81	-267.39	-269.27	-1.53	-.38	-2.26	-269.65

*LINE	9*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		16	-1.10	-264.17	-263.95	-.37	-.21	.01	-264.15
		17	-12.63	-257.94	-257.72	2.86	1.42	1.64	-256.30
		18	-3.16	-229.28	-229.07	1.72	.63	.85	-228.44
		19	-.79	-245.05	-244.83	.47	.12	.34	-244.71
		20	-1.28	-210.50	-210.28	-2.07	-.59	-.37	-210.87
		21	-2.61	-164.58	-164.36	-3.70	-1.03	-.82	-165.39
		73	-3.56	-95.64	-95.42	-.24	-.06	.16	-95.47
		75	1.14	-141.97	-141.75	1.33	.54	.76	-141.21

*LINE	10*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		11	-2.35	-251.30	-253.15	1.94	.74	-1.11	-252.41
		15	-1.68	-249.60	-251.45	-2.76	-1.18	-3.03	-252.63
		16	-1.99	-252.96	-254.80	.82	.46	-1.39	-254.34

*LINE	11*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	2.35	-253.65	-251.21	-1.94	-1.20	1.24	-252.41
		15	3.33	-254.53	-252.09	-2.05	-1.12	1.33	-253.21
		16	2.43	-257.29	-254.85	.94	.64	3.08	-254.21
		17	-11.27	-254.92	-252.47	1.99	1.23	3.68	-251.24
		18	-3.10	-227.43	-224.99	-.45	-.22	2.22	-225.21
		19	9.44	-255.17	-252.73	8.48	3.10	5.54	-249.63
		20	2.12	-200.81	-198.37	-.90	-.35	2.09	-198.72
		21	-.91	-185.04	-182.59	-4.23	-1.64	.80	-184.24
		73	-2.31	-131.81	-129.37	-1.22	-.41	2.04	-129.78
		75	1.41	-157.81	-155.36	-.63	-.33	2.11	-155.69

*LINE	12*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	3.49	-210.72	-201.20	-1.17	-.74	8.77	-201.95
		14	8.08	-210.12	-200.60	1.84	1.21	10.72	-199.40
		15	13.69	-205.77	-196.25	1.24	.69	10.21	-195.56
		16	9.99	-215.37	-205.85	1.42	.98	10.50	-204.87
		17	-7.84	-222.38	-212.87	-1.65	-1.03	8.48	-213.90
		18	5.35	-231.50	-221.98	.93	.46	9.98	-221.52
		19	10.47	-225.40	-215.89	2.43	.91	10.43	-214.98
		20	15.13	-222.24	-212.72	5.04	2.04	11.56	-210.68
		21	5.07	-211.43	-201.92	-5.33	-2.12	7.40	-204.04
		22	8.00	-200.69	-191.17	-3.26	-1.68	7.84	-192.86
		24	3.94	-203.22	-193.70	-4.43	-2.10	7.41	-195.81
		27	7.95	-209.97	-200.45	-1.14	-.69	8.83	-201.13
		73	12.94	-202.04	-192.52	6.96	2.38	11.90	-190.14
		75	6.23	-200.30	-190.78	-2.88	-1.56	7.96	-192.34

*LINE	13*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-3.49	-207.23	-202.37	1.17	.43	5.29	-201.95
		23	-1.06	-225.06	-220.20	-3.20	-1.01	3.84	-221.22
		25	-6.20	-208.93	-204.08	.13	.09	4.95	-203.99
		26	1.42	-196.81	-191.95	1.89	1.02	5.88	-190.93

*LINE	14*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-8.08	-202.04	-198.76	-1.84	-.64	2.65	-199.40
		23	2.98	-234.70	-231.42	2.41	.72	4.00	-230.70
		26	-2.62	-181.86	-178.57	-.57	-.30	2.99	-178.87

*LINE	15*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		10	1.68	-251.28	-254.21	2.76	1.58	-1.35	-252.63
		11	-3.33	-251.21	-254.14	2.05	.93	-2.00	-253.21
		12	-13.69	-192.08	-195.01	-1.24	-.55	-3.48	-195.56
		23	-10.30	-230.18	-233.11	-4.66	-1.82	-4.74	-234.92
		26	-7.17	-171.28	-174.20	1.09	.68	-2.25	-173.53

*LINE	16*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*

150115

	9	1.10	-265.27	-264.31	.37	.16	1.11	-264.15
	10	1.99	-254.94	-253.99	-.82	-.35	.60	-254.34
	11	-2.43	-254.87	-253.91	-.94	-.30	.66	-254.21
	12	-9.99	-205.38	-204.43	-1.42	-.44	.51	-204.87
	23	1.05	-244.82	-243.86	2.81	.75	1.70	-243.12

*LINE	17*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	12.63	-270.57	-254.86	-2.86	-1.44	14.27	-256.30
		11	11.27	-266.19	-250.48	-1.99	-.76	14.95	-251.24
		12	7.84	-230.22	-214.51	1.65	.61	16.32	-213.90
		23	14.36	-252.54	-236.83	1.37	.44	16.15	-236.39
		28	9.58	-272.04	-256.33	1.83	.33	16.03	-256.00

*LINE	18*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	3.16	-232.44	-227.35	-1.72	-1.09	4.01	-228.44
		11	3.10	-230.53	-225.44	.45	.23	5.33	-225.21
		12	-5.35	-226.15	-221.05	-.93	-.47	4.63	-221.52
		23	.82	-236.36	-231.27	-1.56	-.70	4.40	-231.97
		28	4.33	-254.79	-249.69	7.21	1.94	7.03	-247.75
		29	2.46	-249.85	-244.76	-3.46	-2.09	3.01	-246.85

*LINE	19*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		9	.79	-245.84	-244.36	-.47	-.35	1.13	-244.71
		11	-9.44	-245.73	-244.25	-8.48	-5.38	-3.90	-249.63
		12	-10.47	-214.94	-213.46	-2.43	-1.52	-.04	-214.98
		23	1.61	-232.59	-231.11	2.85	1.63	3.11	-229.49
		28	2.04	-259.15	-257.67	8.53	3.22	4.70	-254.45

*LINE	20*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	2.64	-192.61	-193.18	-3.00	-1.30	-1.88	-194.49
		9	1.28	-211.78	-212.35	2.07	1.48	.91	-210.87
		11	-2.12	-198.69	-199.27	.90	.54	-.03	-198.72
		12	-15.13	-207.11	-207.69	-5.04	-3.00	-3.57	-210.68
		23	-10.35	-220.20	-220.77	-7.06	-3.82	-4.39	-224.59
		28	2.88	-243.14	-243.71	11.42	3.98	3.41	-239.73
		29	1.57	-240.79	-241.36	1.31	.91	.33	-240.45
		30	-.72	-222.27	-222.84	.13	.07	-.50	-222.77
		52	-7.76	-221.17	-221.74	-.73	-.45	-1.02	-222.19

*LINE	21*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	3.69	-231.01	-231.89	-1.64	-.72	-1.60	-232.61
		9	2.61	-167.18	-168.06	3.70	2.67	1.79	-165.39
		11	.91	-185.95	-186.82	4.23	2.59	1.71	-184.24
		12	-5.07	-206.36	-207.24	5.33	3.21	2.33	-204.04
		23	3.48	-211.88	-212.76	7.07	3.87	3.00	-208.89
		28	-17.39	-195.63	-196.51	-8.55	-3.03	-3.91	-199.54
		29	-.75	-205.28	-206.16	-.70	-.48	-1.36	-206.64
		30	-7.23	-213.04	-213.91	-6.08	-3.40	-4.28	-217.31
		52	-10.70	-237.01	-237.89	-3.36	-2.09	-2.97	-239.98

*LINE	22*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-8.00	-192.70	-194.43	3.26	1.57	-.16	-192.86
		23	-8.73	-158.56	-160.29	-4.28	-1.84	-3.57	-162.13
		74	-1.15	-202.64	-204.37	1.03	.73	-1.01	-203.64

*LINE	23*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		13	1.06	-226.12	-223.40	3.20	2.19	4.90	-221.22
		14	-2.98	-231.72	-229.01	-2.41	-1.69	1.02	-230.70
		15	10.30	-240.48	-237.76	4.66	2.84	5.56	-234.92
		16	-1.05	-243.77	-241.06	-2.81	-2.06	.65	-243.12
		17	-14.36	-238.17	-235.46	-1.37	-.93	1.79	-236.39
		18	-.82	-235.54	-232.83	1.56	.86	3.57	-231.97
		19	-1.61	-230.98	-228.27	-2.85	-1.22	1.50	-229.49
		20	10.35	-230.55	-227.83	7.06	3.24	5.96	-224.59
		21	-3.48	-208.41	-205.69	-7.07	-3.20	-.48	-208.89
		22	8.73	-167.29	-164.57	4.28	2.45	5.16	-162.13
		24	7.47	-230.72	-228.00	5.90	3.13	5.84	-224.68
		27	-.62	-228.28	-225.56	-2.91	-1.91	.81	-227.47
		73	-3.34	-175.59	-172.88	-2.52	-.99	1.73	-173.87
		75	-2.43	-190.76	-188.04	-4.73	-2.81	-.10	-190.85

*LINE	24*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		12	-3.94	-199.28	-198.13	4.43	2.32	3.43	-195.81
		23	-7.47	-223.25	-222.10	-5.90	-2.77	-1.62	-224.88
		25	-9.04	-178.68	-177.53	1.00	.81	1.96	-176.72
		26	-3.71	-184.67	-183.52	.47	.33	1.48	-183.19

LINE 25	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	6.20	-215.14	-203.94	-.13	-.04	11.15	-203.99
	24	9.04	-187.71	-176.52	-1.00	-.19	11.00	-176.72
	27	11.90	-184.80	-173.61	1.14	.33	11.52	-173.28

LINE 26	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	13	-1.42	-195.39	-190.06	-1.89	-.87	4.46	-190.93
	14	2.62	-184.47	-179.14	.57	.27	5.60	-178.87
	15	7.17	-178.44	-173.11	-1.09	-.42	4.91	-173.53
	24	3.71	-188.38	-183.04	-.47	-.15	5.18	-183.19
	27	7.79	-185.84	-180.51	2.90	1.24	6.57	-179.27

LINE 27	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	12	-7.95	-202.02	-201.58	1.14	.45	.88	-201.13
	23	.62	-228.90	-228.47	2.91	1.00	1.43	-227.47
	25	-11.90	-172.90	-172.46	-1.14	-.82	-.38	-173.28
	26	-7.79	-178.05	-177.62	-2.90	-1.65	-1.22	-179.27

LINE 28	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	17	-9.58	-262.46	-254.50	-1.83	-1.51	6.46	-256.00
	18	-4.33	-250.45	-242.49	-7.21	-5.27	2.70	-247.75
	19	-2.04	-257.11	-249.14	-8.53	-5.31	2.66	-254.45
	20	-2.88	-240.25	-232.29	-11.42	-7.44	.53	-239.73
	21	17.39	-213.03	-205.06	8.55	5.52	13.48	-199.54
	73	20.27	-176.62	-168.66	15.84	9.32	17.28	-159.34
	75	12.17	-196.15	-188.18	4.61	3.52	11.49	-184.66

LINE 29	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	18	-2.46	-247.39	-248.21	3.46	1.37	.54	-246.85
	20	-1.57	-239.22	-240.04	-1.31	-.41	-1.24	-240.45
	21	.75	-206.03	-206.86	.70	.21	-.61	-206.64
	73	-7.66	-183.65	-184.48	-3.29	-.85	-1.67	-185.32
	75	-.78	-197.02	-197.85	.46	.20	-.62	-197.64

LINE 30	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	20	.72	-222.99	-222.71	-.13	-.06	.21	-222.77
	21	7.23	-220.27	-220.00	6.08	2.68	2.96	-217.31
	49	-1.07	-219.01	-218.74	-6.77	-2.61	-2.34	-221.35
	73	-4.70	-213.62	-213.35	-1.43	-.55	-.28	-213.89
	76	3.53	-217.79	-217.52	-1.12	-.36	-.09	-217.88
	77	5.74	-219.15	-218.88	3.37	1.62	1.89	-217.27

LINE 31	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	1.77	-313.97	-330.09	11.68	8.54	-7.58	-321.54
	3	-38.09	-71.51	-87.63	-29.62	-19.23	-35.35	-106.87
	7	-8.97	-254.13	-270.25	6.21	4.90	-11.22	-265.34
	43	-6.28	-245.33	-261.45	1.94	1.61	-14.52	-259.84
	45	-18.52	-323.76	-339.88	-6.36	-4.91	-21.03	-344.79
	46	19.59	-347.98	-364.10	29.73	20.54	4.42	-343.56
	47	-29.10	-146.87	-163.00	-13.58	-10.34	-26.47	-173.34

LINE 32	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-1.11	-309.09	-313.72	-2.69	-1.00	-5.62	-314.72
	3	3.36	-82.20	-86.82	.34	.10	-4.53	-86.72
	7	-6.62	-263.09	-267.72	-2.94	-1.32	-5.95	-269.04
	43	-1.69	-258.17	-262.79	-4.97	-2.52	-7.15	-265.31
	45	1.11	-343.31	-347.93	1.77	.75	-3.88	-347.18
	46	2.26	-330.55	-335.17	.90	.29	-4.33	-334.88
	47	3.57	-141.54	-146.16	7.60	3.11	-1.51	-143.05

LINE 33	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	1.96	-308.53	-315.78	3.00	1.23	-6.02	-314.55
	2	-16.49	-349.49	-356.74	-3.20	-1.62	-8.87	-358.36
	3	-1.30	-56.13	-63.38	-1.69	-.54	-7.79	-63.92
	7	-7.21	-265.15	-272.39	-.91	-.45	-7.69	-272.84
	43	-1.15	-260.82	-268.06	-1.80	-.99	-8.23	-269.05
	45	7.44	-344.74	-351.98	10.72	4.96	-2.29	-347.02
	46	-5.33	-322.95	-330.20	-4.06	-1.48	-8.73	-331.68
	47	-8.69	-116.95	-124.20	-2.05	-.92	-8.17	-125.12

LINE 34	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	-3.51	-294.90	-300.64	-3.97	-1.54	-7.28	-302.18
	2	-18.51	-342.27	-348.01	-6.72	-3.24	-8.98	-351.25
	3	6.48	-60.33	-66.08	4.58	1.38	-4.37	-64.70
	7	-6.96	-260.20	-265.95	-2.16	-1.01	-6.75	-266.95
	45	.32	-328.48	-334.22	2.09	.92	-4.82	-333.30
	46	1.60	-329.88	-335.62	1.36	.46	-5.28	-335.16

	47	-.31	-128.05	-133.79	4.83	2.06	-3.69	-131.73

*LINE	35*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	13.38	-294.66	-282.39	-5.09	-1.53	10.74	-283.92
		2	7.20	-356.72	-344.45	.98	.38	12.65	-344.07
		3	21.84	-102.09	-89.83	1.93	.44	12.70	-89.39
		4	12.64	-253.79	-241.52	4.24	1.42	13.69	-240.10
		45	16.49	-333.21	-320.94	.25	.09	12.35	-320.86
		46	18.24	-349.20	-336.93	-.01	.00	12.27	-336.93
		47	10.58	-158.99	-146.73	-2.30	-.77	11.50	-147.50

*LINE	36*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-3.43	-270.04	-272.55	-7.12	-2.96	-5.47	-275.51
		2	-13.88	-333.37	-335.88	-5.32	-2.72	-5.23	-338.60
		3	7.83	-105.03	-107.55	2.70	.88	-1.63	-106.67
		4	1.59	-255.76	-258.28	7.98	3.63	1.11	-254.65
		7	-1.69	-220.14	-222.65	-.12	-.06	-2.57	-222.71
		45	1.18	-314.61	-317.12	-.27	-.13	-2.64	-317.25
		46	1.74	-334.85	-337.36	-1.73	-.64	-3.15	-338.00
		47	1.97	-164.54	-167.05	3.88	1.76	-.75	-165.29

*LINE	37*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	5.41	-292.67	-299.16	5.69	2.33	-4.16	-296.83
		2	-13.43	-339.13	-345.62	-.89	-.45	-6.94	-346.07
		3	-.55	-64.46	-70.95	-1.70	-.54	-7.03	-71.50
		7	-5.75	-248.91	-255.40	-.21	-.10	-6.59	-255.50
		45	4.57	-325.90	-332.39	7.10	3.28	-3.21	-329.12
		46	-6.84	-324.20	-330.69	-6.34	-2.30	-8.79	-332.99
		47	-9.53	-129.40	-135.89	-3.65	-1.64	-8.13	-137.53

*LINE	38*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.21	-259.67	-258.00	-8.09	-3.67	-1.99	-261.67
		2	-.79	-336.85	-335.18	3.58	1.97	3.64	-333.21
		3	8.91	-122.76	-121.09	-.40	-.15	1.53	-121.24
		4	5.38	-273.21	-271.54	7.58	3.74	5.41	-267.79
		7	-5.11	-193.78	-192.11	-7.73	-4.13	-2.46	-196.24
		45	3.57	-310.91	-309.23	-2.07	-1.05	.62	-310.29
		46	9.72	-345.87	-344.20	2.07	.84	2.51	-343.36
		47	7.34	-187.48	-185.81	5.06	2.50	4.17	-183.31

*LINE	39*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		2	-3.73	-330.84	-334.64	6.14	3.13	-.69	-331.53
		3	3.81	-143.13	-146.96	-.01	.00	-3.82	-146.96
		4	-12.20	-278.35	-282.17	-4.50	-2.04	-5.86	-284.21
		45	3.64	-305.28	-309.10	3.49	1.63	-2.19	-307.47
		46	4.20	-343.90	-347.72	2.04	.75	-3.07	-346.97
		47	-10.37	-196.25	-200.07	-7.15	-3.24	-7.07	-203.31

*LINE	40*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-8.12	-208.19	-211.21	-11.32	-5.75	-8.76	-216.96
		2	-7.48	-323.34	-326.35	1.58	.95	-2.06	-325.40
		3	15.24	-177.01	-180.02	10.61	4.38	1.36	-175.64
		4	-3.35	-308.84	-311.86	3.54	1.94	-1.07	-309.92
		45	-5.99	-286.05	-291.06	-6.94	-3.89	-6.91	-294.96
		46	2.79	-345.89	-348.91	-.18	-.08	-3.10	-348.99
		47	.30	-233.95	-236.96	2.71	1.48	-1.53	-235.48

*LINE	41*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		2	-1.08	-329.40	-331.53	7.09	3.98	1.85	-327.55
		3	4.18	-194.67	-196.80	-1.33	-.50	-2.63	-197.30
		4	-11.62	-317.14	-319.27	-5.61	-2.84	-4.97	-322.11
		45	7.01	-298.31	-300.44	5.17	2.68	.55	-297.76
		46	6.89	-351.99	-354.12	3.04	1.27	-.87	-352.86
		47	-9.88	-245.42	-247.56	-8.36	-4.22	-6.35	-251.78

*LINE	42*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	.04	-198.97	-201.96	-3.18	-1.45	-4.43	-203.40
		2	-11.92	-326.41	-329.40	-2.89	-1.59	-4.58	-330.99
		3	17.14	-242.40	-245.38	12.48	4.51	1.53	-240.87
		4	-10.22	-333.77	-336.76	-3.36	-1.66	-4.65	-338.42
		45	-3.06	-286.23	-289.21	-4.04	-2.05	-5.04	-291.27
		46	3.16	-350.04	-353.02	.17	.07	-2.92	-352.95
		47	-1.55	-282.97	-285.96	.83	.41	-2.57	-285.54

*LINE	43*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		31	6.28	-251.60	-259.50	-1.94	-.34	-8.24	-259.84
		32	1.69	-259.86	-267.76	4.97	2.45	-5.45	-265.31

	33	1.15	-261.96	-269.86	1.80	.81	-7.09	-269.05
	44	-4.61	-242.87	-250.77	-4.82	-2.04	-9.94	-252.80

*LINE	44*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-.50	-310.39	-318.51	1.40	.62	-7.49	-317.89
		3	-5.50	-128.29	-136.40	-5.04	-1.75	-9.86	-138.15
		7	.70	-258.86	-266.97	7.87	4.10	-4.02	-262.88
		43	4.61	-247.48	-255.59	4.82	2.79	-5.33	-252.80
		45	-9.20	-333.78	-341.89	-5.06	-2.49	-10.61	-344.39
		46	-8.23	-320.57	-328.68	-6.10	-2.39	-10.50	-331.08
		47	-5.40	-199.61	-207.72	2.11	1.01	-7.10	-206.71

*LINE	45*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		6	2.02	-296.75	-300.72	5.83	2.87	-1.10	-297.85
		31	18.52	-342.27	-346.24	6.36	1.46	-2.51	-344.79
		32	-1.11	-342.20	-346.17	-1.77	-1.02	-4.99	-347.18
		33	-7.44	-337.30	-341.27	-10.72	-5.75	-9.72	-347.02
		34	-.32	-328.16	-332.13	-2.09	-1.18	-5.14	-333.30
		35	-16.49	-316.73	-320.69	-.25	-.16	-4.13	-320.86
		36	-1.18	-313.43	-317.40	.27	.15	-3.82	-317.25
		37	-4.57	-321.33	-325.30	-7.10	-3.82	-7.79	-329.12
		38	-3.57	-307.34	-311.31	2.07	1.02	-2.94	-310.29
		39	-3.64	-301.64	-305.61	-3.49	-1.86	-5.83	-307.47
		40	5.99	-294.03	-298.00	6.94	3.05	-.92	-294.96
		41	-7.01	-291.30	-295.27	-5.17	-2.49	-6.46	-297.76
		42	3.06	-289.29	-293.26	4.04	1.99	-1.98	-291.27
		44	9.20	-342.99	-346.95	5.06	2.57	-1.40	-344.39

*LINE	46*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		8	-3.08	-311.74	-317.73	1.02	.83	-5.15	-316.90
		31	-19.59	-328.39	-334.37	-29.73	-9.19	-15.17	-343.56
		32	-2.26	-328.29	-334.28	-.90	-.60	-6.59	-334.88
		33	5.33	-328.28	-334.26	4.06	2.59	-3.40	-331.68
		34	-1.60	-328.28	-334.26	-1.36	-.90	-6.88	-335.16
		35	-18.24	-330.96	-336.94	.01	.01	-5.97	-336.93
		36	-1.74	-333.10	-339.09	1.73	1.09	-4.89	-338.00
		37	6.64	-331.05	-337.03	6.34	4.04	-1.94	-332.99
		38	-9.72	-336.15	-342.13	-2.07	-1.23	-7.21	-343.36
		39	-4.20	-339.70	-345.68	-2.04	-1.29	-7.27	-346.97
		40	-2.79	-343.11	-349.09	.18	.10	-5.88	-348.99
		41	-6.89	-345.10	-351.09	-3.04	-1.77	-7.75	-352.86
		42	-3.16	-346.87	-352.85	-.17	-.10	-6.08	-352.95
		44	8.23	-328.81	-334.79	6.10	3.71	-2.27	-331.08
		49	-2.39	-290.44	-296.43	-1.84	-1.01	-6.99	-297.44
		50	1.80	-325.06	-331.04	1.70	1.40	-4.58	-329.64
		76	9.32	-260.26	-266.25	10.92	5.25	-.73	-261.00
		77	-1.07	-275.30	-281.28	2.81	1.81	-4.17	-279.47
		78	5.69	-254.40	-260.38	6.26	3.49	-2.50	-256.90

*LINE	47*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		5	-8.50	-368.41	-369.01	-3.11	-1.63	-2.23	-370.64
		6	-6.19	-331.59	-332.19	-5.74	-2.90	-3.51	-335.10
		8	2.81	-270.20	-270.81	1.53	1.15	.55	-269.65
		31	29.10	-175.97	-176.58	13.58	3.24	2.63	-173.34
		32	-3.57	-137.96	-138.57	-7.60	-4.48	-5.09	-143.05
		33	8.69	-125.64	-126.24	2.05	1.13	.52	-125.12
		34	.31	-128.35	-128.96	-4.83	-2.78	-3.38	-131.73
		35	-10.58	-148.42	-149.02	2.30	1.53	.92	-147.50
		36	-1.97	-162.57	-163.17	-3.88	-2.12	-2.72	-165.29
		37	9.53	-138.94	-139.54	3.65	2.01	1.41	-137.53
		38	-7.34	-180.14	-180.75	-5.06	-2.56	-3.17	-183.31
		39	10.37	-206.62	-207.22	7.15	3.91	3.30	-203.31
		40	-.30	-233.65	-234.25	-2.71	-1.23	-1.83	-235.48
		41	9.88	-255.31	-255.91	8.36	4.13	3.53	-251.78
		42	1.55	-284.52	-285.12	-.83	-.42	-1.03	-285.54
		44	5.40	-205.01	-205.61	-2.11	-1.10	-1.70	-206.71
		50	2.73	-252.79	-253.40	-2.75	-2.10	-2.71	-255.50

*LINE	48*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		50	24.23	-188.68	-170.53	.00	.00	16.15	-170.53

*LINE	49*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		1	-7.83	-253.36	-258.78	-8.61	-4.29	-9.72	-263.07
		30	1.07	-220.08	-225.51	6.77	4.16	-1.27	-221.35
		46	2.39	-292.84	-298.26	1.84	.83	-4.60	-297.44

*LINE	50*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*

	1	-.93	-314.05	-320.13	-1.05	-.22	-6.30	-320.35
	46	-1.80	-323.25	-329.33	-1.70	-.30	-6.39	-329.64
	47	-2.73	-250.07	-256.15	2.75	.65	-5.43	-255.50
	48	-24.23	-164.45	-170.54	.00	.00	-6.08	-170.53

LINE 52	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	20	7.76	-228.93	-222.47	.73	.28	6.74	-222.19
	21	10.70	-247.71	-241.24	3.36	1.26	7.73	-239.98
	73	-1.16	-261.17	-254.71	-4.08	-1.31	5.15	-256.02

LINE 73	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	10.96	-258.41	-254.87	9.21	4.62	8.16	-250.25
	9	3.56	-99.20	-95.66	.24	.18	3.72	-95.47
	11	2.31	-134.13	-130.59	1.22	.81	4.35	-129.78
	12	-12.94	-189.09	-185.56	-6.96	-4.58	-1.04	-190.14
	23	3.34	-178.93	-175.39	2.52	1.53	5.07	-173.87
	28	-20.27	-156.36	-152.82	-15.84	-6.52	-2.98	-159.34
	29	7.66	-191.31	-187.77	3.29	2.45	5.99	-185.32
	30	4.70	-218.32	-214.78	1.43	.88	4.42	-213.89
	52	1.16	-262.33	-258.79	4.08	2.77	6.31	-256.02
	74	3.90	-194.06	-190.52	.61	.67	4.21	-189.85

LINE 74	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	22	1.15	-203.79	-203.34	-1.03	-.30	.15	-203.64
	73	-3.90	-190.16	-189.71	-.81	-.13	.31	-189.85
	75	1.87	-183.49	-183.04	1.84	.57	1.02	-182.47

LINE 75	*X-LINE*	*OP. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	9	-1.14	-140.84	-140.42	-1.33	-.79	-.37	-141.21
	11	-1.41	-156.40	-155.99	.63	.29	.71	-155.69
	12	-6.23	-194.08	-193.66	2.88	1.32	1.74	-192.34
	23	2.43	-193.18	-192.77	4.73	1.92	2.33	-190.85
	28	-12.17	-183.98	-183.57	-4.61	-1.09	-.68	-184.66
	29	.78	-197.80	-197.38	-.46	-.26	.15	-197.64
	74	-1.87	-181.62	-181.21	-1.84	-1.26	-.85	-182.47

LINE 76	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	11.63	-232.35	-236.72	9.80	5.57	1.19	-231.15
	30	-3.53	-214.26	-218.64	1.12	.76	-3.61	-217.88
	46	-9.32	-250.95	-255.32	-10.92	-5.67	-10.05	-261.00

LINE 77	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	10.29	-237.90	-239.99	6.18	2.50	.40	-237.50
	30	-5.74	-213.41	-215.51	-3.37	-1.76	-3.85	-217.27
	46	1.07	-276.37	-278.46	-2.81	-1.01	-3.11	-279.47

LINE 78	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	1	7.06	-230.06	-235.46	6.26	3.08	-2.33	-232.38
	46	-5.69	-248.72	-254.12	-6.26	-2.78	-8.18	-256.90

CONVERGENCE COMPLETE

** 13 ITERATIONS PERFORMED**

MAX. ERROR= .795850 9-002

MAXIMAL CONNECTED SUBNETWORK # 2

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
53	13	3.709	8.872	10.610	2.897	-.6147623-003
54	2	1.546	-6.755	9.116	1.546	.3204167-002
55	2	2.284	-.269	8.794	2.284	.5100727-002
56	5	5.518	7.613	10.692	4.381	.3579259-002
57	6	4.612	-3.821	7.783	3.761	.3340840-002
58	6	5.103	-1.196	9.363	4.736	.2854049-002
59	6	2.522	-.612	5.371	2.219	.3713667-003
60	6	3.310	-4.610	7.561	2.787	-.6144047-003
61	6	3.488	8.246	8.942	2.737	-.8819103-003
62	6	3.353	6.057	7.966	2.486	-.1523912-002
63	6	2.036	-8.023	7.327	1.436	-.2154112-002
64	5	3.713	-1.797	5.973	3.162	-.2175868-002
65	4	2.599	-7.542	7.758	2.208	-.2085268-002
66	3	3.452	3.365	10.148	3.145	-.1646101-002
67	3	4.011	.165	4.281	3.738	-.9313822-003
68	6	2.857	-2.629	5.584	2.083	-.1198888-002

150120

80	7	2.912	-4.381	6.868	2.399	-.1149416-002
81	5	4.769	-4.148	3.686	3.753	-.7152557-006
82	10	4.745	.763	5.137	4.036	-.3669858-003
83	5	2.207	17.505	18.030	2.083	-.6802082-003
84	12	3.540	-4.391	7.677	3.103	-.9747744-003
85	8	3.618	-2.414	5.970	2.764	-.1451015-002
22	132	3.454	.000	7.938	2.897	.6854534-006
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	94.95
AFTER REMOVAL OF SYSTEMATIC ERROR	13.72
RATIO	6.92

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	9.74
AFTER REMOVAL OF SYSTEMATIC ERROR	3.70
RATIO	2.63

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	7.67
AFTER REMOVAL OF SYSTEMATIC ERROR	2.97
RATIO	2.65
AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT	4.78

****** INTERSECTION STATISTICS ******

*LINE	53*	*X-LINE*	*OP. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		54	17.17	-287.50	-278.63	1.54	1.09	9.96	-277.54
		55	11.42	-281.97	-273.10	2.28	1.41	10.28	-271.69
		57	20.90	-273.65	-264.78	8.21	3.66	12.53	-261.12
		58	6.12	-260.51	-251.64	-3.95	-1.65	7.23	-253.29
		59	10.24	-249.60	-240.72	.75	.45	9.32	-240.28
		60	7.47	-232.80	-223.93	-6.02	-3.18	5.69	-227.11
		61	-2.90	-205.53	-196.66	-3.53	-1.82	7.05	-198.48
		62	2.66	-194.80	-185.93	-.15	-.08	8.79	-186.01
		63	16.83	-184.02	-175.15	-.07	-.04	8.83	-175.19
		64	11.99	-172.12	-163.25	1.32	.66	9.53	-162.59
		65	14.84	-151.87	-142.99	-1.57	-.92	7.95	-143.92
		66	10.23	-130.69	-121.82	4.72	2.44	11.32	-119.38
		67	5.16	-102.77	-93.90	-3.54	-1.70	7.17	-95.60

*LINE	54*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-17.17	-270.33	-277.08	-1.54	-.45	-7.21	-277.54
		81	-1.06	-282.66	-289.41	1.55	.38	-6.38	-289.03

*LINE	55*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-11.42	-270.55	-270.82	-2.28	-.87	-1.14	-271.69
		81	6.17	-259.04	-259.31	2.29	.74	.47	-258.57

*LINE	56*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		81	2.38	-254.56	-246.95	-9.38	-5.03	2.58	-251.98
		82	13.35	-230.80	-223.18	6.50	3.49	11.11	-219.69
		83	-11.35	-249.50	-241.89	-1.46	-1.04	6.57	-242.93
		84	16.46	-197.33	-189.71	4.45	2.71	10.33	-187.00
		85	9.92	-206.88	-199.27	-.11	-.06	7.55	-199.33

*LINE	57*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-20.90	-252.75	-256.57	-8.21	-4.55	-8.37	-261.12
		81	1.94	-256.10	-259.92	1.62	.79	-3.03	-259.13
		82	1.85	-219.93	-223.75	6.44	3.17	-.65	-220.58
		83	-18.09	-252.15	-255.97	3.23	2.19	-1.63	-253.79
		84	-1.68	-156.08	-159.91	-2.25	-1.28	-5.10	-161.18
		85	-2.22	-183.22	-187.05	-.82	-.46	-4.28	-187.50

*LINE	58*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-6.12	-254.39	-255.59	3.95	2.30	1.10	-253.29
		81	6.88	-256.58	-257.77	3.93	2.05	.85	-255.73
		82	-6.97	-202.52	-203.72	-5.01	-2.62	-3.81	-206.33
		83	-19.93	-235.69	-236.88	-1.23	-.86	-2.06	-237.74
		84	9.53	-151.49	-152.68	6.33	3.76	2.57	-148.92
		85	-6.75	-171.10	-172.29	-7.97	-4.69	-5.89	-176.98

*LINE	59*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-10.24	-239.36	-239.97	-.75	-.30	-.92	-240.28
		68	-.06	-240.61	-241.23	-2.07	-.97	-1.58	-242.20
		82	3.31	-198.17	-198.78	4.68	1.62	1.01	-197.16
		83	-16.14	-214.42	-215.04	1.98	1.05	.44	-213.98
		84	2.12	-144.92	-145.53	-1.66	-.69	-1.30	-146.22
		85	-.36	-178.51	-179.12	-2.17	-.89	-1.50	-180.01

*LINE	60*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-7.47	-225.34	-229.95	6.02	2.84	-1.77	-227.11
		68	-3.65	-220.43	-225.04	-1.66	-.89	-5.50	-225.93
		82	-3.88	-182.67	-187.28	1.50	.61	-4.00	-186.66
		83	-24.63	-195.35	-199.96	-2.52	-1.51	-6.12	-201.47
		84	-4.40	-152.54	-157.15	-4.18	-2.02	-6.63	-159.17
		85	-1.35	-183.44	-188.05	.85	.41	-4.21	-187.64

*LINE	61*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	2.90	-208.44	-200.19	3.53	1.71	9.96	-198.48
		68	9.63	-219.09	-210.84	-1.25	-.69	7.56	-211.53
		80	13.80	-210.67	-202.43	1.17	.64	8.08	-201.79
		82	.52	-200.18	-191.93	-6.96	-2.95	5.30	-194.88
		84	13.17	-216.46	-208.21	.53	.26	8.51	-207.95
		85	13.64	-216.24	-207.99	2.98	1.46	9.71	-206.53

*LINE	62*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-2.66	-192.14	-186.08	.15	.07	6.13	-186.01
		68	7.56	-208.91	-202.85	-1.13	-.61	5.45	-203.46
		80	10.38	-219.80	-213.74	-.06	-.03	6.02	-213.77
		82	-.98	-212.21	-206.15	-6.27	-2.60	3.46	-208.75

		84	14.42	-230.49	-224.43	3.97	1.93	7.99	-222.50
		85	11.81	-224.76	-218.71	3.34	1.60	7.66	-217.10
*LINE	63*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-16.83	-167.19	-175.22	.07	.02	-8.00	-175.19
		68	-5.53	-183.37	-191.40	-.14	-.06	-8.08	-191.45
		80	-6.37	-202.99	-211.01	-2.72	-1.12	-9.14	-212.13
		82	-8.44	-205.96	-213.99	.34	.10	-7.92	-213.88
		84	-5.08	-213.32	-221.34	-1.45	-.53	-8.55	-221.87
		85	-1.71	-218.54	-226.56	3.90	1.40	-6.62	-225.16
*LINE	64*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-11.99	-160.13	-161.93	-1.32	-.66	-2.46	-162.59
		68	7.08	-186.95	-188.75	6.25	3.53	1.74	-185.22
		80	4.24	-203.04	-204.84	1.65	.93	-.87	-203.91
		82	-4.49	-214.02	-215.81	-1.93	-.85	-2.65	-216.66
		84	-2.06	-220.03	-221.82	-4.65	-2.38	-4.18	-224.20
*LINE	65*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-14.84	-137.03	-144.57	1.57	.65	-6.89	-143.92
		80	-1.04	-175.24	-182.78	2.12	1.00	-6.54	-181.78
		82	-7.58	-197.28	-204.82	.72	.26	-7.29	-204.56
		84	-7.57	-221.48	-229.02	-4.42	-1.87	-9.41	-230.89
*LINE	66*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-10.23	-120.47	-117.10	-4.72	-2.27	1.09	-119.38
		80	11.19	-158.21	-154.85	3.45	1.87	5.23	-152.98
		84	9.03	-242.34	-238.98	1.27	.63	3.99	-238.35
*LINE	67*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		53	-5.16	-97.61	-97.44	3.54	1.84	2.01	-95.60
		80	-1.06	-103.75	-103.58	-5.61	-3.25	-3.08	-106.83
		84	6.62	-245.53	-245.37	2.06	1.10	1.26	-244.27
*LINE	68*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		59	.06	-240.67	-243.30	2.07	1.10	-1.53	-242.20
		60	3.65	-224.07	-226.70	1.66	.77	-1.86	-225.93
		61	-9.63	-209.46	-212.09	1.25	.56	-2.07	-211.53
		62	-7.56	-201.35	-203.98	1.13	.52	-2.11	-203.46
		63	5.53	-188.90	-191.53	.14	.08	-2.55	-191.45
		64	-7.08	-179.87	-182.50	-6.25	-2.72	-5.35	-185.22
*LINE	80*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		61	-13.80	-196.88	-201.26	-1.17	-.53	-4.91	-201.79
		62	-10.38	-209.42	-213.60	.06	.03	-4.35	-213.77
		63	6.37	-209.36	-213.74	2.72	1.60	-2.78	-212.13
		64	-4.24	-198.81	-203.19	-1.65	-.73	-5.11	-203.91
		65	1.04	-176.28	-180.66	-2.12	-1.12	-5.50	-181.78
		66	-11.19	-147.02	-151.40	-3.45	-1.58	-5.96	-152.98
		67	1.06	-104.81	-109.19	5.61	2.36	-2.02	-106.83
*LINE	81*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		54	1.06	-283.72	-287.87	-1.55	-1.17	-5.32	-289.03
		55	-6.17	-252.87	-257.02	-2.29	-1.55	-5.69	-258.57
		56	-2.38	-252.18	-256.33	9.38	4.35	.20	-251.98
		57	-1.94	-254.16	-258.31	-1.62	-.82	-4.97	-259.13
		58	-6.88	-249.69	-253.84	-3.93	-1.88	-6.03	-255.73
*LINE	82*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	-13.35	-217.45	-216.68	-6.50	-3.01	-2.24	-219.69
		57	-1.85	-218.08	-217.32	-6.44	-3.26	-2.50	-220.58
		58	6.97	-209.49	-208.73	5.01	2.40	3.16	-206.33
		59	-3.31	-194.86	-194.10	-4.68	-3.06	-2.29	-197.16
		60	3.88	-186.55	-185.78	-1.50	-.88	-.12	-186.66
		61	-.52	-199.66	-198.90	6.96	4.01	4.78	-194.88
		62	.98	-213.18	-212.42	6.27	3.67	4.44	-208.75
		63	8.44	-214.41	-213.64	-.34	-.24	.52	-213.88
		64	4.49	-218.51	-217.75	1.93	1.08	1.85	-216.66
		65	7.58	-209.86	-209.10	-.72	-.47	.30	-209.56
*LINE	83*	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
		56	11.35	-260.85	-243.35	1.46	.42	17.92	-242.93
		57	18.09	-270.24	-252.74	-3.23	-1.05	16.46	-253.79
		58	19.93	-255.62	-238.11	1.23	.37	17.87	-237.74
		59	16.14	-230.57	-213.06	-1.98	-.92	16.58	-213.98
		60	24.63	-219.98	-202.48	2.52	1.01	18.51	-201.47

150123

LINE 84	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-16.46	-180.87	-185.26	-4.45	-1.74	-6.13	-187.00
	57	1.68	-157.77	-162.16	2.25	.98	-3.41	-161.18
	58	-9.53	-141.96	-146.35	-6.33	-2.57	-6.96	-148.92
	59	-2.12	-142.80	-147.19	1.66	.97	-3.42	-146.22
	60	4.40	-156.94	-161.33	4.18	2.16	-2.23	-159.17
	61	-13.17	-203.29	-207.68	-.53	-.27	-4.66	-207.95
	62	-14.42	-216.07	-220.46	-3.97	-2.04	-6.43	-222.50
	63	5.08	-218.40	-222.79	1.45	.92	-3.47	-221.87
	64	2.06	-222.08	-226.48	4.65	2.27	-2.12	-224.20
	65	7.57	-229.05	-233.44	4.42	2.55	-1.84	-230.89
	66	-9.03	-233.31	-237.71	-1.27	-.64	-5.03	-238.35
	67	-6.62	-238.91	-243.30	-2.06	-.97	-5.36	-244.27

LINE 85	*X-LINE*	*OR. M.T.*	*VAL. BSA.*	*VAL. ASA.*	*M.T. ASA.*	*R.E. ADJ.*	*TOT. ADJ.*	*FIN. CH.*
	56	-9.92	-196.96	-199.38	.11	.04	-2.37	-199.33
	57	2.22	-185.45	-187.86	.82	.36	-2.06	-187.50
	58	6.75	-177.84	-180.26	7.97	3.27	.86	-176.98
	59	.36	-178.87	-181.29	2.17	1.28	-1.14	-180.01
	60	1.35	-184.79	-187.20	-.85	-.44	-2.86	-187.64
	61	-13.64	-202.60	-205.02	-2.98	-1.52	-3.93	-206.53
	62	-11.81	-212.96	-215.37	-3.34	-1.73	-4.15	-217.10
	63	1.71	-220.25	-222.66	-3.90	-2.49	-4.91	-225.16

CONVERGENCE COMPLETE

** 11 ITERATIONS PERFORMED**

MAX. ERROR= .5954713-002

MAXIMAL CONNECTED SUBNETWORK # 3

*** LINE STATISTICS ***

LINE	NO. OF INT.	STD. DEV.	SYS. ADJ.	MRS. BSA.	MRS. ASA.	SUM AMT.
69	1	.003	-4.944	1.571	.003	-.3016174-002
70	1	.001	-3.369	3.148	.001	-.7002354-003
71	1	.002	11.637	18.157	.002	.1877666-002
72	1	.001	3.194	9.713	.001	.9193718-003
79	4	.002	-6.518	8.147	.002	.9191632-003
5 TOT.	8 SUM	.002 AVG.	.000 AVG.	8.147 AVG.	.002 AVG.	-.2086163-006 SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	109.10
AFTER REMOVAL OF SYSTEMATIC ERROR	.00

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	10.44
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	5591.29

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	8.15
AFTER REMOVAL OF SYSTEMATIC ERROR	.00
RATIO	5003.22

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 5.93

****** INTERSECTION STATISTICS ******

*LINE	69*	*X-LINE* 79	*OR. M.T.* 1.57	*VAL. BSA.* -305.07	*VAL. ASA.* -310.02	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -4.95	*FIN. CH.* -310.02
*LINE	70*	*X-LINE* 79	*OR. M.T.* 3.15	*VAL. BSA.* -294.28	*VAL. ASA.* -297.65	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -3.37	*FIN. CH.* -297.65
*LINE	71*	*X-LINE* 79	*OR. M.T.* 18.16	*VAL. BSA.* -306.72	*VAL. ASA.* -295.08	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* 11.64	*FIN. CH.* -295.08
*LINE	72*	*X-LINE* 79	*OR. M.T.* 9.71	*VAL. BSA.* -285.76	*VAL. ASA.* -282.57	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* 3.19	*FIN. CH.* -282.57
*LINE	79*	*X-LINE* 69	*OR. M.T.* -1.57	*VAL. BSA.* -303.50	*VAL. ASA.* -310.02	*M.T. ASA.* .00	*R.E. ADJ.* .00	*TOT. ADJ.* -6.52	*FIN. CH.* -310.02
		70	-3.15	-291.13	-297.65	.00	.00	-6.52	-297.65
		71	-18.16	-288.56	-295.08	.00	.00	-6.52	-295.08
		72	-9.71	-276.05	-282.57	.00	.00	-6.52	-282.57

```
***THE FOLLOWING LINE(S) HAVE NO CROSSINGS OR NO DATA AT CROSSINGS***
                          51

**********CLOSE**********
FILE ON UNIT  10
FILE NAME: AMOCO AUSTRALIA PETROLEUM CO.
CYCLE NUMBER:169
TIME OF CREATION: 06:28:59
DATE OF CREATION: 04/04/85
NUMBER OF SURVEY LINES:  85
NUMBER OF CHANNELS: 39
NO DATA VALUE:  .1000000+031
FILE TYPE:  ASCII
NUMBER OF WORDS REQUIRED:    886019
NUMBER OF RECORDS   495
FILE CLOSED ON UNIT    10
```

APPENDIX III

Adjustment Report

150128

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" for	is the mean random scatter or average absolute mistie each line.
"BSA" and "ASA" respectively.	are before and after systematic adjustment,
"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.

43	4	.383	-2.258	1.142	.332	.7068515-003
44	8	.895	-2.813	2.114	.733	-.1502305-002
45	14	.823	-5.439	4.550	.713	.2185702-003
46	19	.947	-4.361	3.824	.747	-.1967371-002
47	17	.402	-3.575	2.689	.305	-.1301199-002
48	1	.002	-3.530	1.817	.002	-.1988679-002
49	3	1.047	-7.147	4.555	.967	-.1690030-002
50	4	.234	-1.714	1.587	.191	-.2232075-002
51	1	.003	1.859	4.669	.003	-.2975017-002
52	5	.740	-.595	2.908	.695	-.2143681-002
73	10	.808	2.219	1.703	.629	-.1596391-002
74	3	.193	2.807	1.413	.178	-.1007706-002
75	7	.819	2.457	.978	.602	-.1007915-002
76	3	.957	1.305	3.897	.890	-.1240283-002
77	3	1.142	2.534	5.126	.938	-.1478553-002
78	2	.767	.848	3.689	.767	-.1949489-002
58	398	.658	.000	2.539	.540	.1287088-005
TOT.	SUM	AVG.	AVG.	AVG.	AVG.	SUM

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	9.66
AFTER REMOVAL OF SYSTEMATIC ERROR	.65
RATIO	14.77

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	3.11
AFTER REMOVAL OF SYSTEMATIC ERROR	.81
RATIO	3.84

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

BEFORE REMOVAL OF SYSTEMATIC ERROR	2.49
AFTER REMOVAL OF SYSTEMATIC ERROR	.57
RATIO	4.36

AVERAGE ABSOLUTE SYSTEMATIC ADJUSTMENT 2.02

73	TNK-59	S-60	121384	204700	273700	60	411	1	2053	1	2053	*****
74	TNK-04A	S-60	121484	55400	71400	60	81	1	413	1	413	*****
75	TNK-57	S-60	121484	91100	122200	60	192	1	1015	1	1015	*****
76	TNK-65	S-60	121484	141400	170200	60	169	1	874	1	874	*****
77	TNK-67	S-60	121484	182600	211600	60	171	1	903	1	903	*****
78	TNK-61	S-60	121484	225100	242900	60	99	1	503	1	503	*****
79	TNK-54	S-60	121584	24900	54900	60	181	1	873	1	873	*****
80	TNK-28	S-60	121584	95100	124200	60	172	1	915	1	915	*****
81	TNK-34A	S-60	121584	144100	161700	60	97	579	1064	1	486	*****
82	TNK-24	S-60	121584	174400	210900	60	206	1	1074	1	1074	*****
83	TNK-28A	S-60	121584	225800	245800	60	121	1	643	1	643	*****
84	TNK-20	S-60	121684	25600	70500	60	250	1	1312	1	1312	*****
85	TNK-22	S-60	121684	90200	113600	60	155	1	853	1	853	*****

SUMMARY

TOTAL NUMBER OF LINES= 85
TOTAL NUMBER OF POINTS= 14871