

CESAR RADIOPOSITIONING ANALYSIS

DAVID E. WELLS

August 1985



**TECHNICAL REPORT
NO. 110**

PREFACE

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CESAR
RADIOPOSITIONING ANALYSIS

by

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PREFACE

This is the final report of work performed under contract number OSU82-00430 entitled "CESAR radiopositioning evaluation", funded by the Earth Physics Branch of the Department of Energy, Mines and Resources. The Scientific Authority for this contract was Dr. J.R. Weber.

Part of the work contained herein was funded by an operating grant entitled "Arctic navigation/satellite positioning" from the Natural Sciences and Engineering Research Council of Canada.

The many plots for this report were painstakingly generated by Corey Dean Wells.

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CHAPTER 1

INTRODUCTION

The Canadian Expedition to Study the Alpha Ridge (CESAR), provided a unique opportunity to collect and evaluate radiopositioning data at high latitudes. Results of this evaluation are of potential importance both for future scientific expeditions to high latitudes, and for planning effective navigation aids for marine transportation through the Canadian arctic.

During CESAR, radiopositioning observations were collected between 30 March (day 89) and 23 May (day 143) 1983, in the vicinity of latitude 86°N , 110°W .

1.1 Observation Types

These radiopositioning observations were of three types:

- (1) Transit satellite Doppler observations, high frequency signals transmitted by Transit satellites and received on CESAR using Canadian Marconi CMA-761 receivers.
- (2) Decca, low frequency signals from a chain of three Decca transmitters established along the coast of Ellesmere Island by the Canadian Hydrographic Service and the Polar Continental Shelf Project.
- (3) Omega/VLF, very low frequency signals from the worldwide network of eight Omega transmitters, plus VLF communications transmitters, received on CESAR using a Canadian Marconi CMA-771 receiver.

The Transit observations provided the main source of reference positions (and were available) for the entire CESAR field program. The Decca observations were available and automatically recorded only for about

six days (days 115-122). Omega positions were manually logged every 12 hours during the field program, and every 10 minutes for one 13 hour period (days 123-124).

In addition, complete Omega observations were recorded during five, 24-hour periods (days 93-94, 103-104, 113-115, 123-124, and 134-135). These five Omega data sets are being analysed by Canadian Marconi Company and are not included in this report.

The Transit data was processed by Dr. J. Popelar, of the Earth Physics Branch, to provide smoothed positions and velocities of the CESAR camp at three-hour intervals. In this report, his results are used as a reference to evaluate the Decca and Omega data.

A magnetic tape containing all the data and software used in these evaluations is available. The contents of this tape are described in Appendix A.

1.2 Processing Methods

The University of New Brunswick, Surveying Engineering Department's HP-1000F computer was used to process the data. The Autoplot feature of the HP-2648A terminal was used to generate the plots, and a hardcopy of them was obtained via the HP-2671G plotter.

The Transit and Decca data were transferred from cassette and magtape to disk files. The Omega data was manually entered into disk files using the EDIT/1000 program.

Program CESAR was written to reformat all data into a standard form for plotting. Polar stereographic coordinates were computed for all data. For Decca and Omega data, the difference between the Decca and Transit, and the Omega and Transit positions, respectively, were computed and expressed

as both errors in northing and easting, and as magnitude and direction of the position differences. The reference Transit positions were obtained by linearly interpolating between the input 3-hour values. All coordinates and errors are in metres.

Histograms of these results were computed by program HISTO, which reads the CESAR output files as input and produces its own output files for plotting.

Prior to conversion to polar stereographic coordinates, the Decca position fixes were first recomputed using the WGS72 datum. No datum shift was applied to the Omega data. To maintain consistency with the software used during the CESAR field program, a slightly different ellipsoid was used in the conversion to polar stereographic coordinates. The relevant datum parameters are:

- (a) WGS72: $a = 6378145$; $1/f = 298.25$.
- (b) NAD27: $a = 6378206.4$; $b = 6356588.8$; $dx = -8$ m; $dy = 169$ m; $dz = 176$ m.
- (c) Conversion to polar stereographic: $a = 6378144$; $1/f = 298.23$.

(NOTE: NAD27 was not actually used during the processing.)

1.3 Camp Motion

Position velocities and rotation of the CESAR camp, as represented by the Transit data, are shown in Figures 1-1 to 1-7.

The rotation is obtained from the relative positions of two Transit antennas, separated by about 30 metres. Due to the short length of this baseline, small relative position errors result in large inferred camp rotations. However, the estimated baseline length is then also in error, as shown in Figure 1-6.

All Transit results depend on how often the Transit passes occur. The

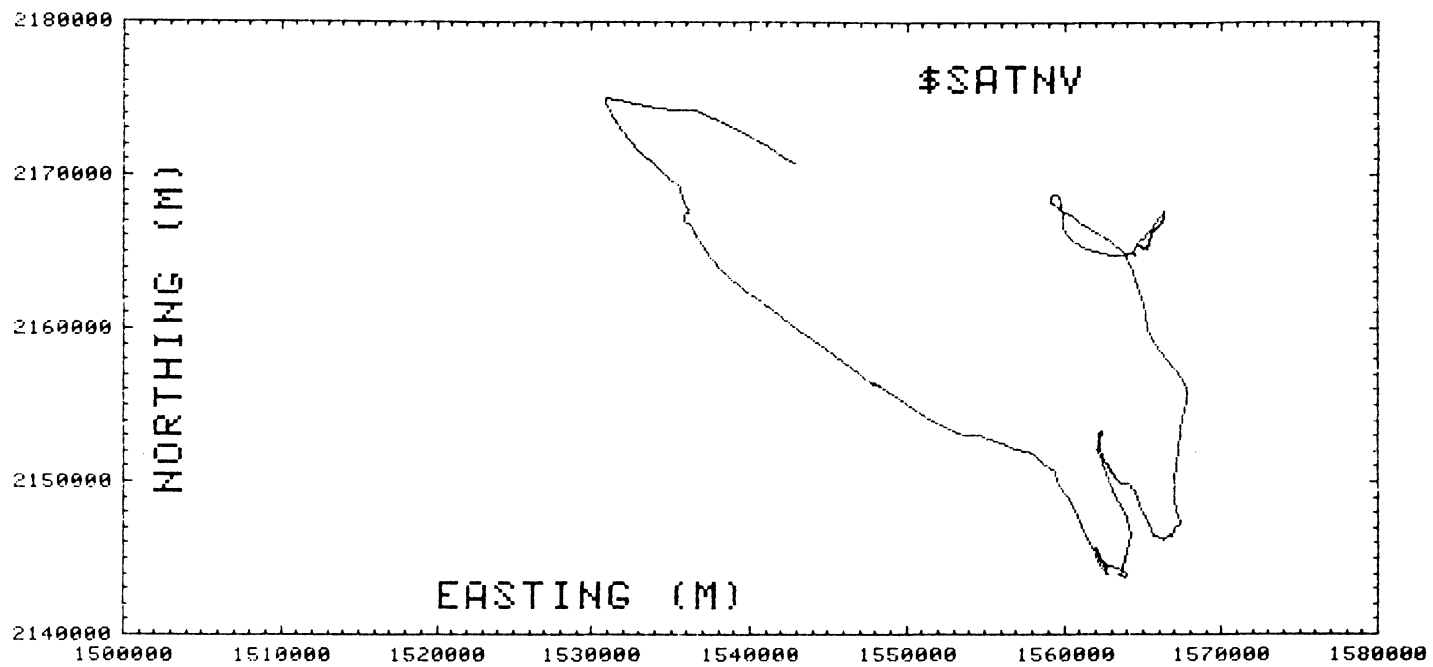


Figure 1-1
Transit Camp Trajectory.

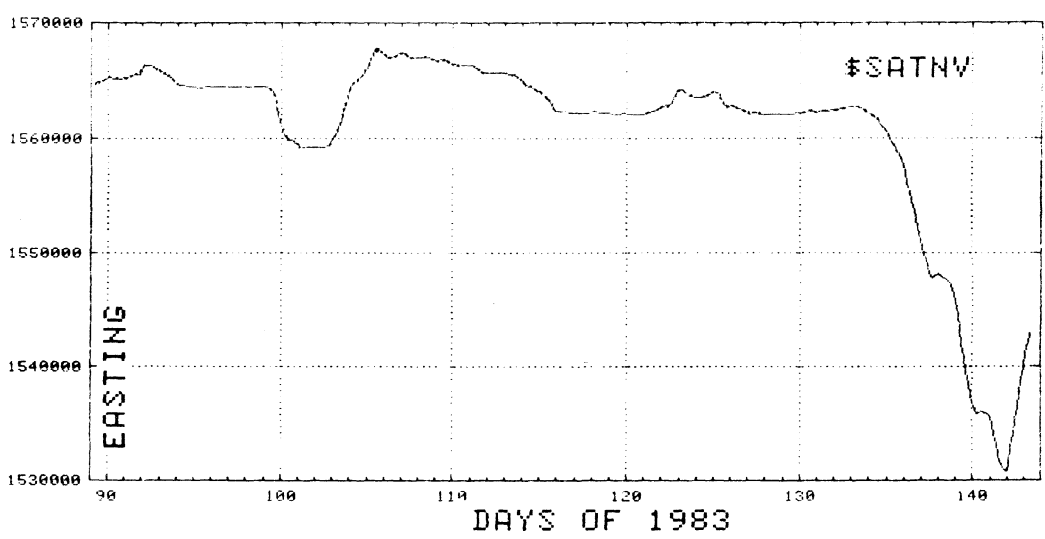
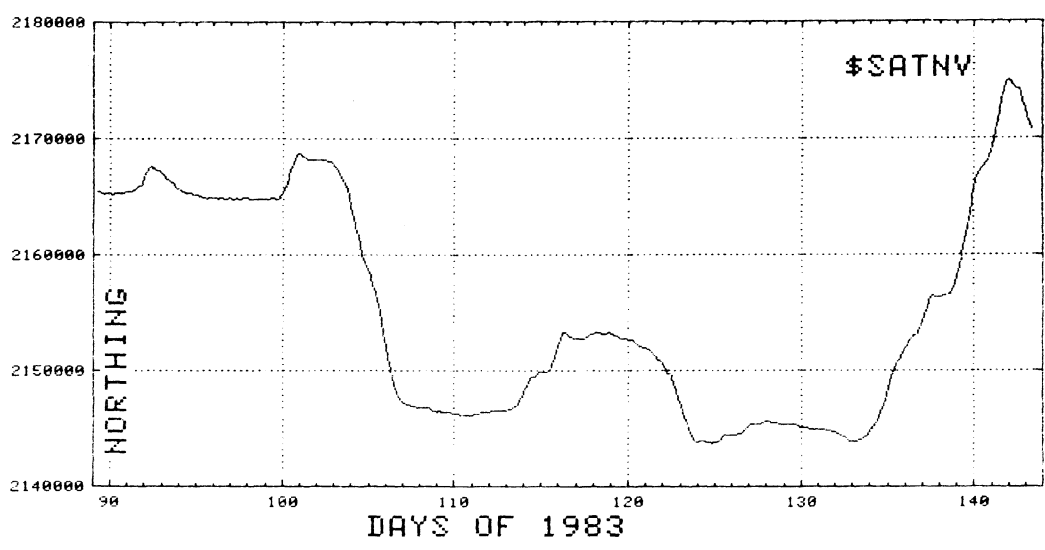


Figure 1-2
Transit Northing and Easting v. Time.

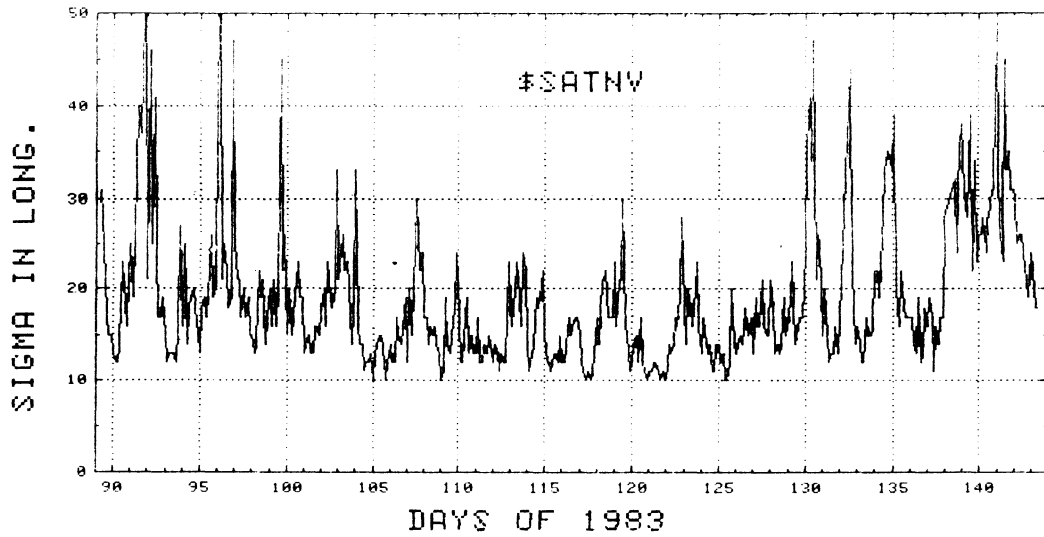
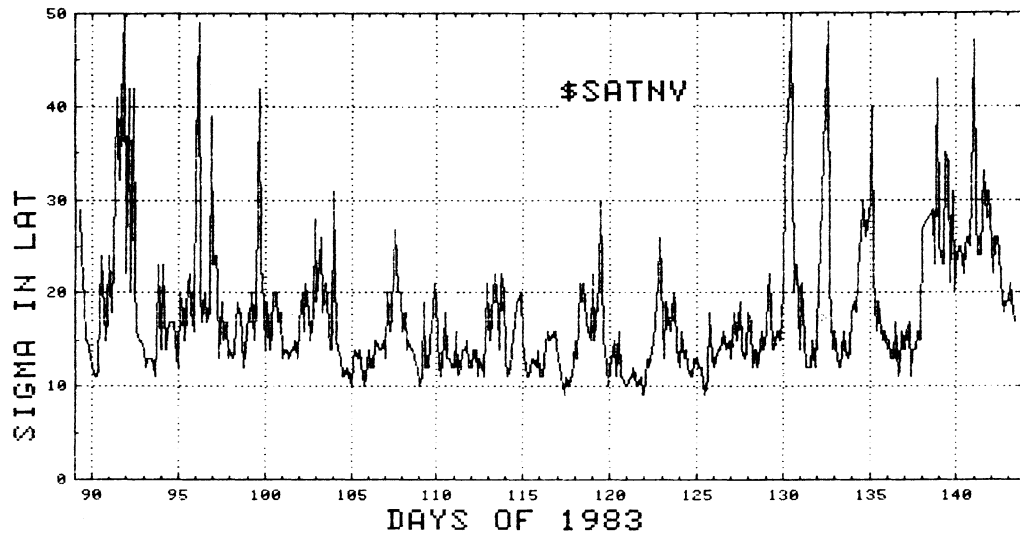


Figure 1-3
Transit Horizontal Standard Deviations v. Time.

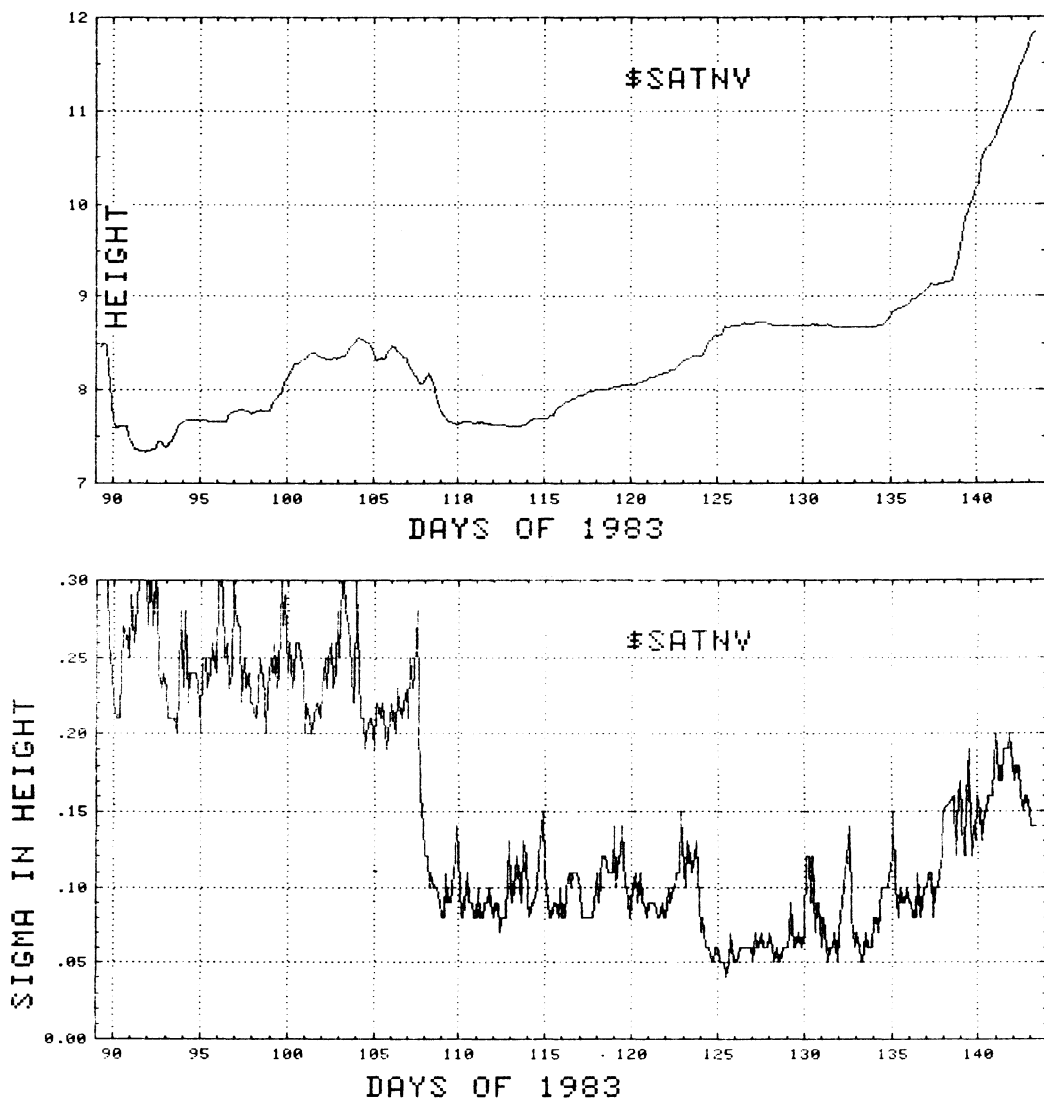


Figure 1-4

Transit Height and Standard Deviation in Height v. Time.

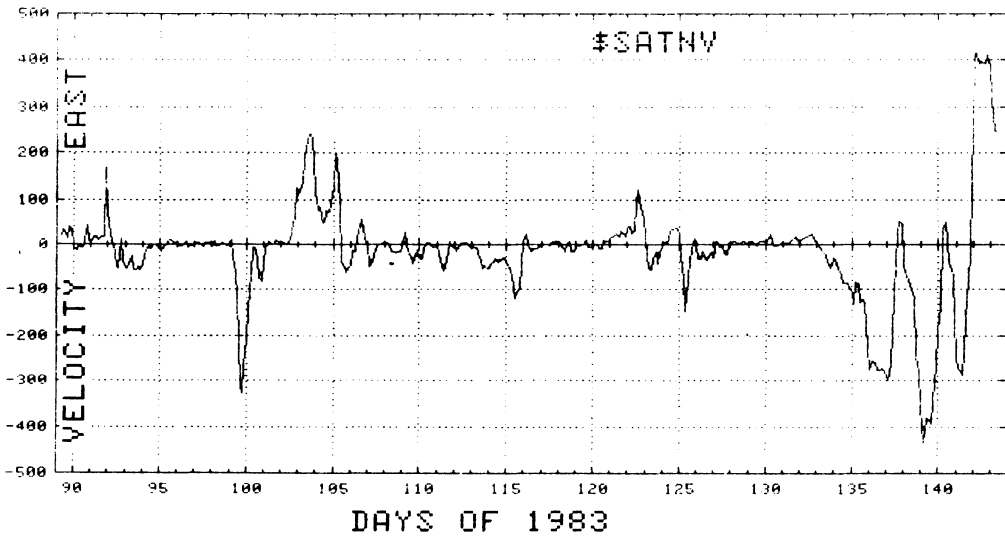
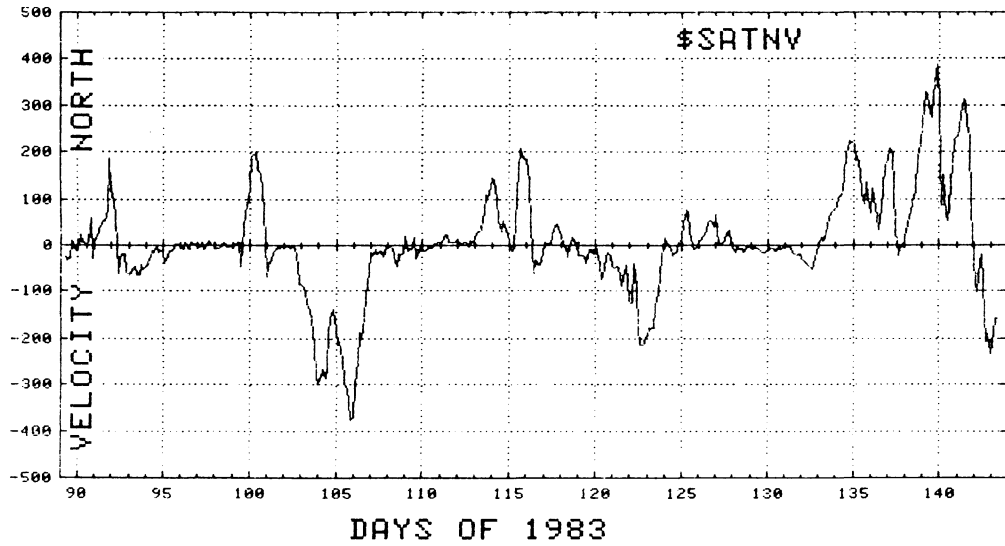


Figure 1-5
Transit Velocity North and East v. Time.

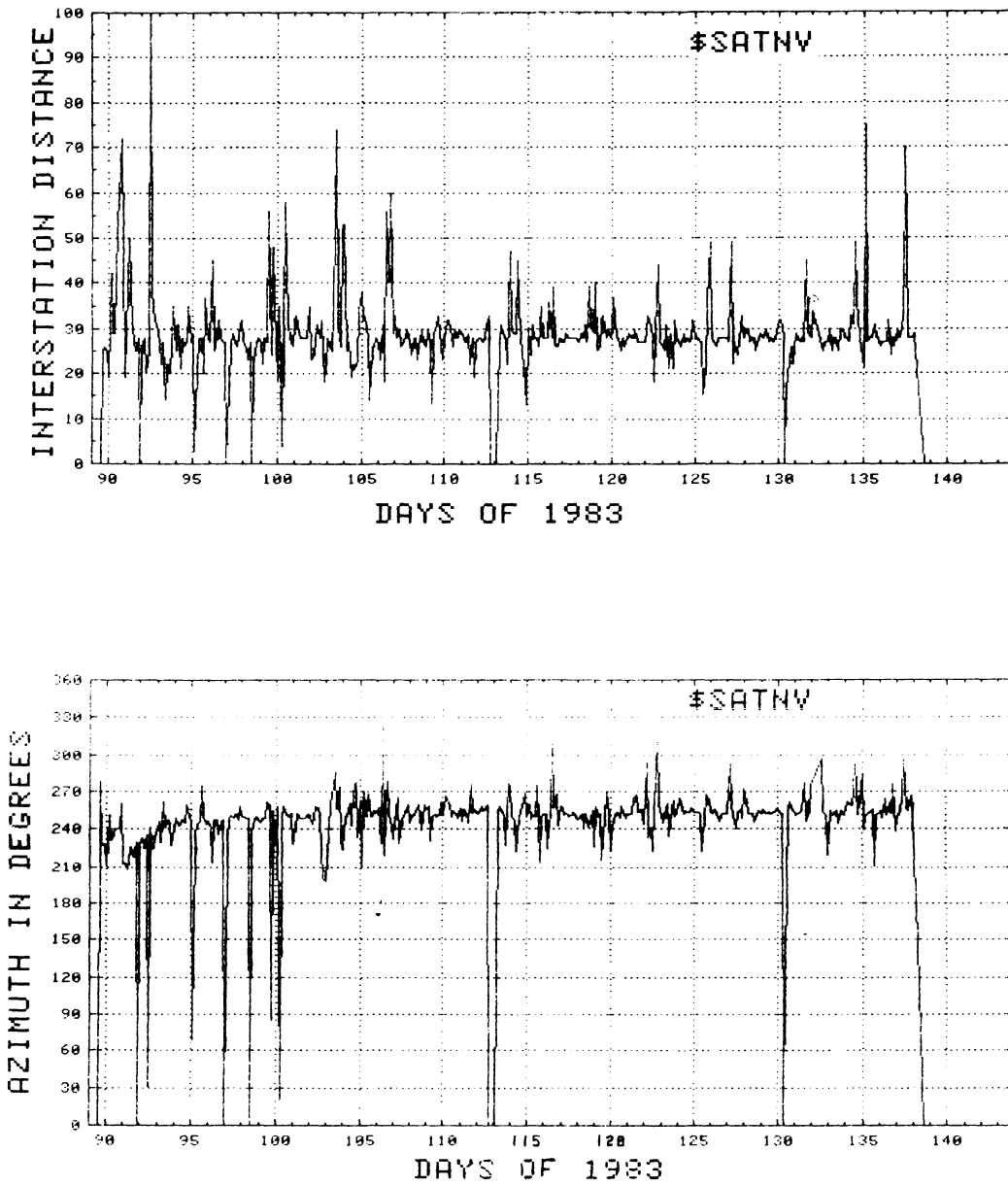


Figure 1-6
Transit Camp Rotation Results.

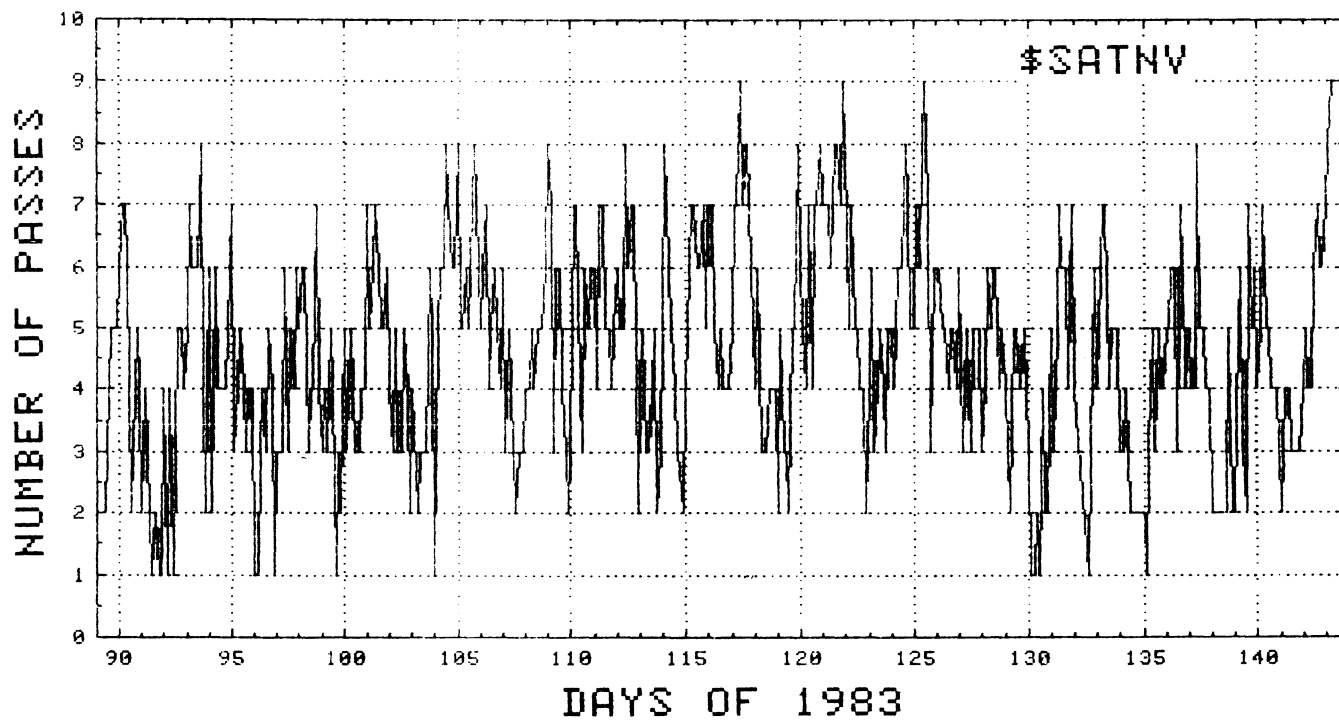


Figure 1-7
Transit Number of Passes Per Three-Hour Interval.

number of passes per three-hour intervals are shown in Figure 1-7. Note the correlation between low number of passes and high standard deviations in Figures 1-3 and 1-4.

CHAPTER 2

DECCA

2.1 Geometry

The Yelverton Bay Decca chain was established by the Canadian Hydrographic Service with three stations on Ellesmere Island, approximately 500 km southeast of the CESAR camp. Figure 2-1 shows the relation between the camp and these stations, in the Polar Stereographic coordinate system.

This Decca chain began operating on day 111. Changes were made to the chain calibration on day 112. Decca data began to be recorded at CESAR on day 115, and this continued until the chain went off the air on day 122.

During this time, the camp moved very little: less than 2 km during the first five days (when Decca was recorded at 30-minute intervals), and about 1.5 km during the last day (when Decca was recorded at 1-minute intervals). See Figures 2-2 to 2-4.

The Decca Red lanewidth at CESAR is about 2500 m, and the Decca Green lanewidth is about 4600 metres. The intersection angle between the Red and Green patterns is about 16° (see Figure 2-5). Small errors in the Decca readings will therefore result in large displacements in the position fix, according to

$$d = \operatorname{cosec} A \sqrt{DR^2 + DG^2 + 2 DR DG \cos A} \quad ,$$

where DR = Decca Red pattern error in metres (0.01 lanes = 25 m)

DG = Decca Green pattern error in metres (0.01 lanes = 46 m)

A = pattern intersection angle (16°)

d = displacement of the position fix in metres.

For example, if both Decca Red and Green readings were 0.01 lanes too high, the position fix would be displaced about 250 metres northeast on the Polar Stereographic grid (see Figure 2-6).

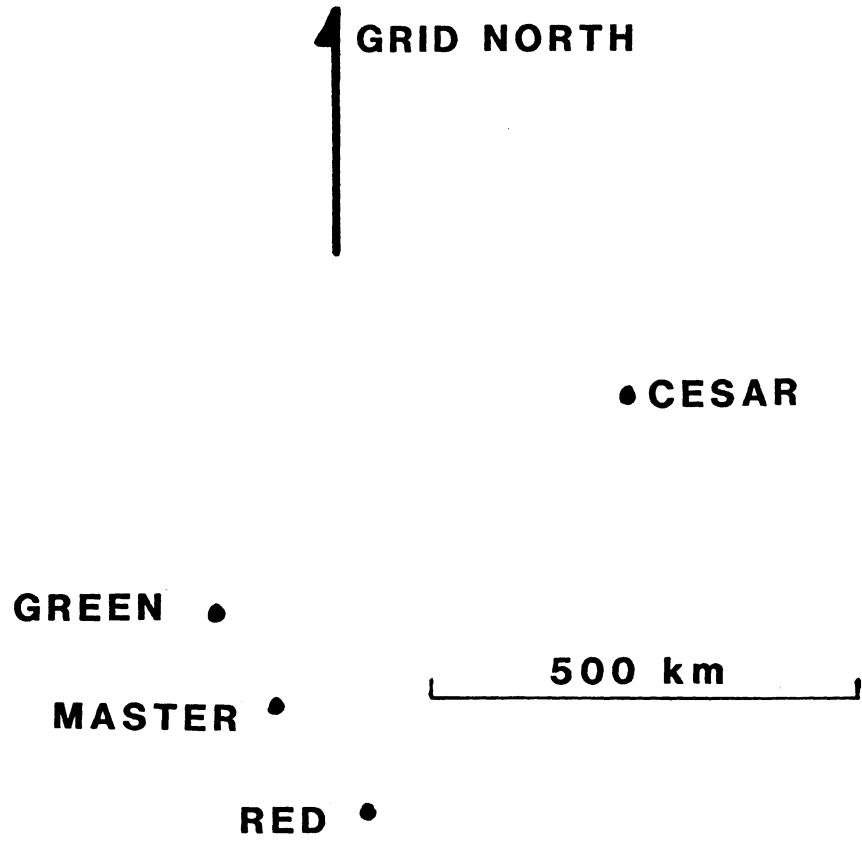
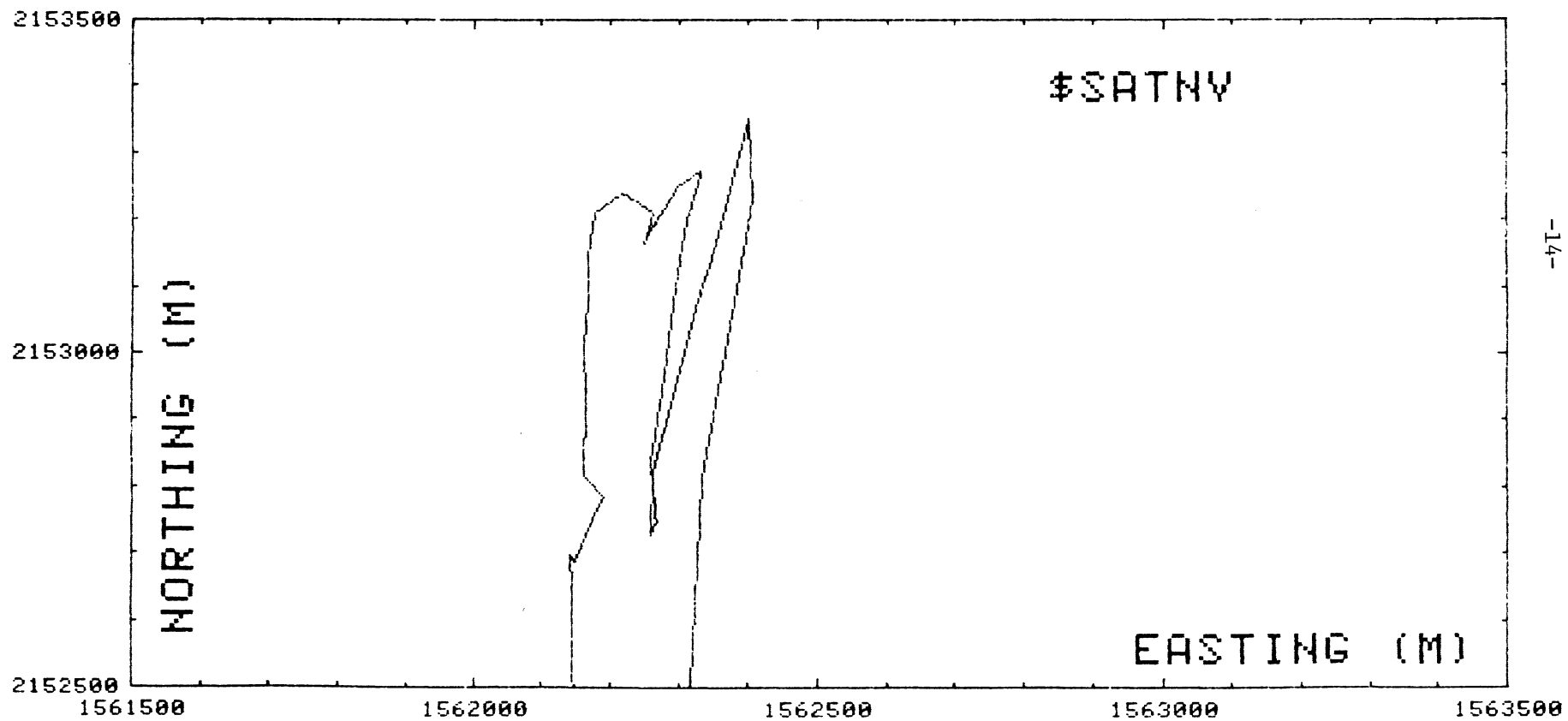


Figure 2-1 DECCA GEOMETRY

Figure 2-2

Transit Camp Trajectory During Decca Observation Period.



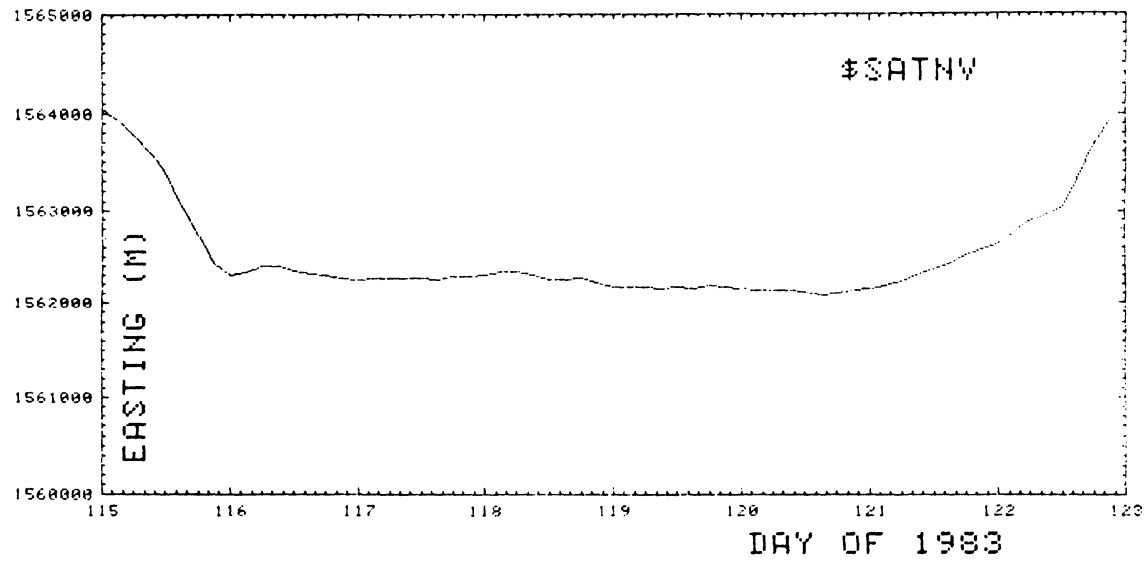
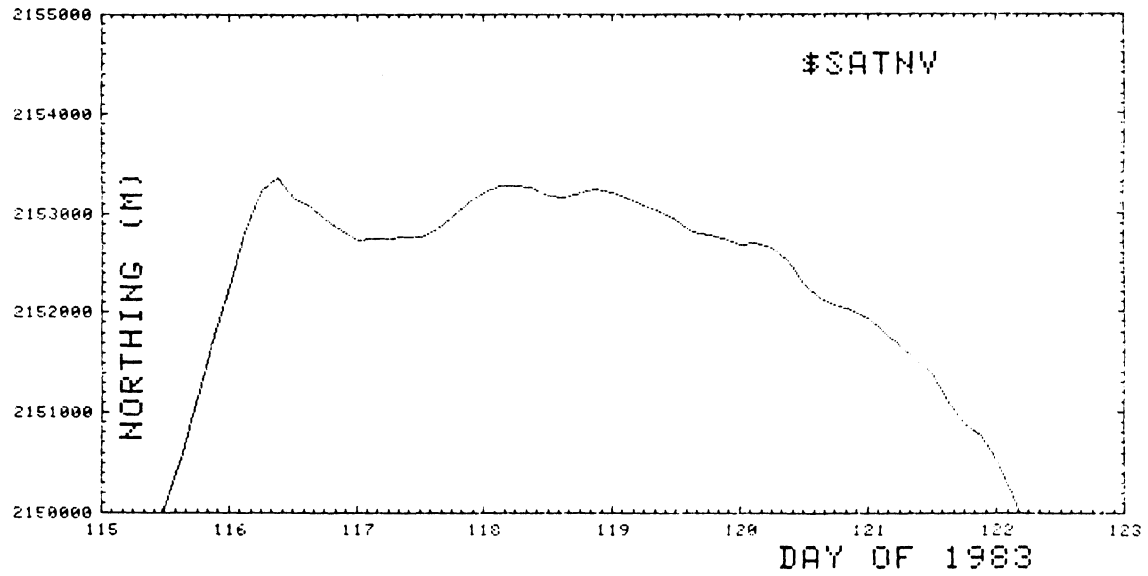


Figure 2-3
Transit Northing and Easting v. Time During
Decca Observation Period.

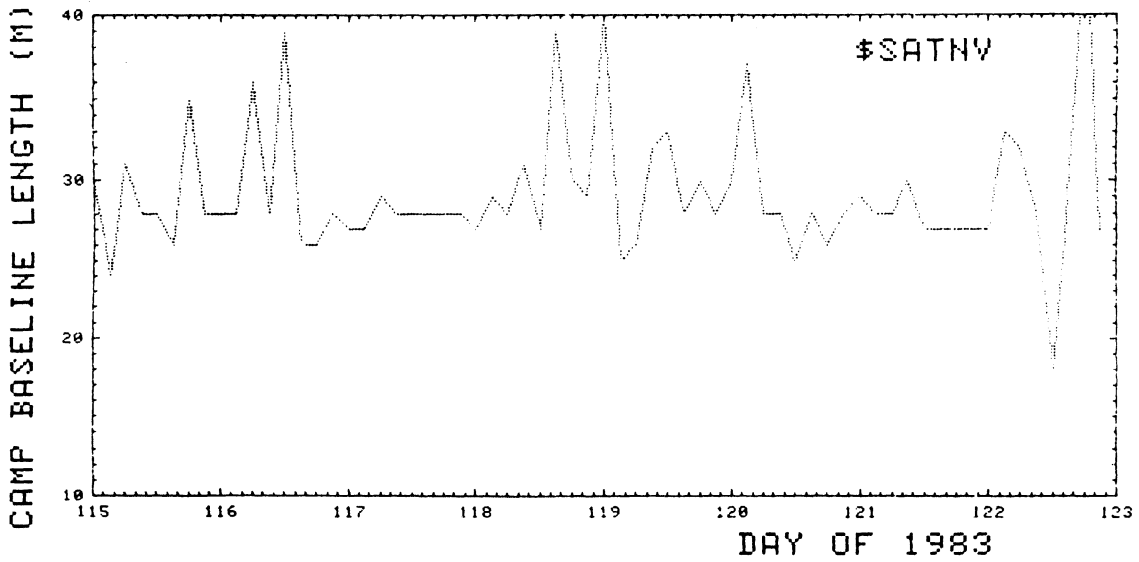
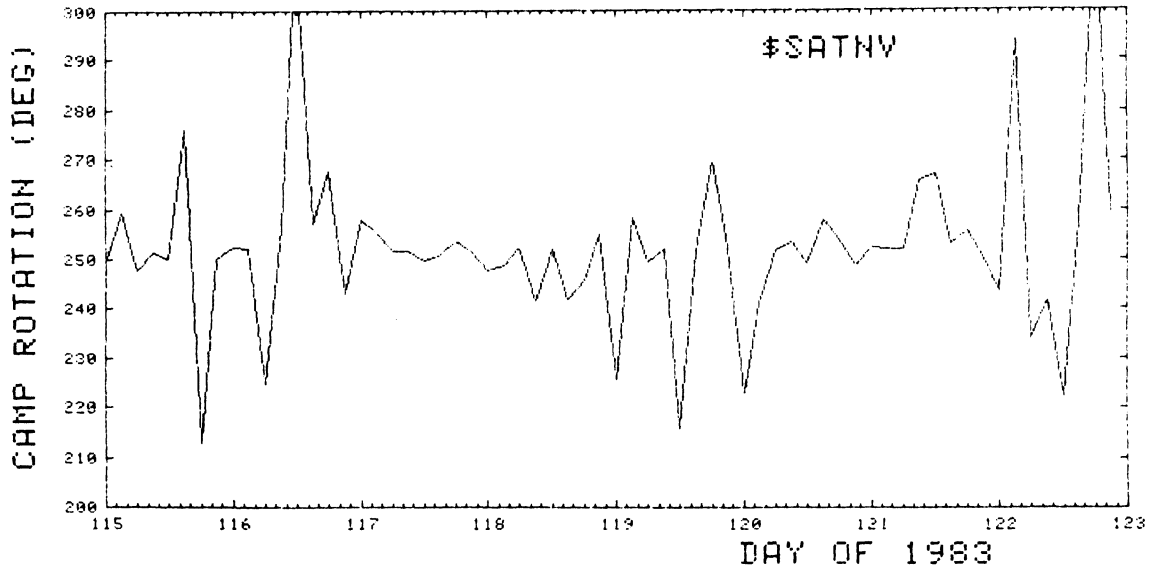
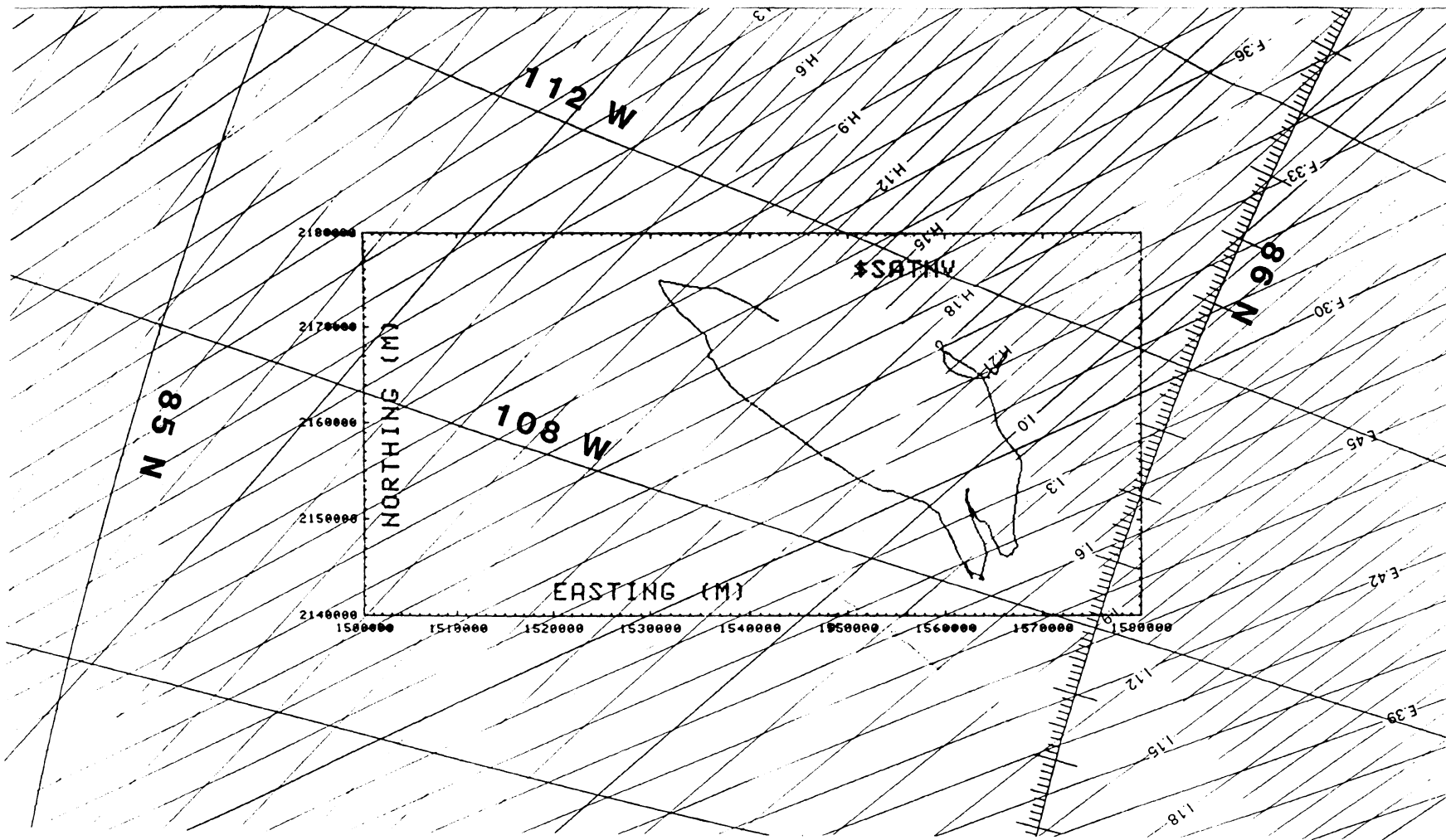


Figure 2-4

Transit Camp Rotation During Decca Observation Period.



-17-

Figure 2-5
Decca Patterns at CESAR.

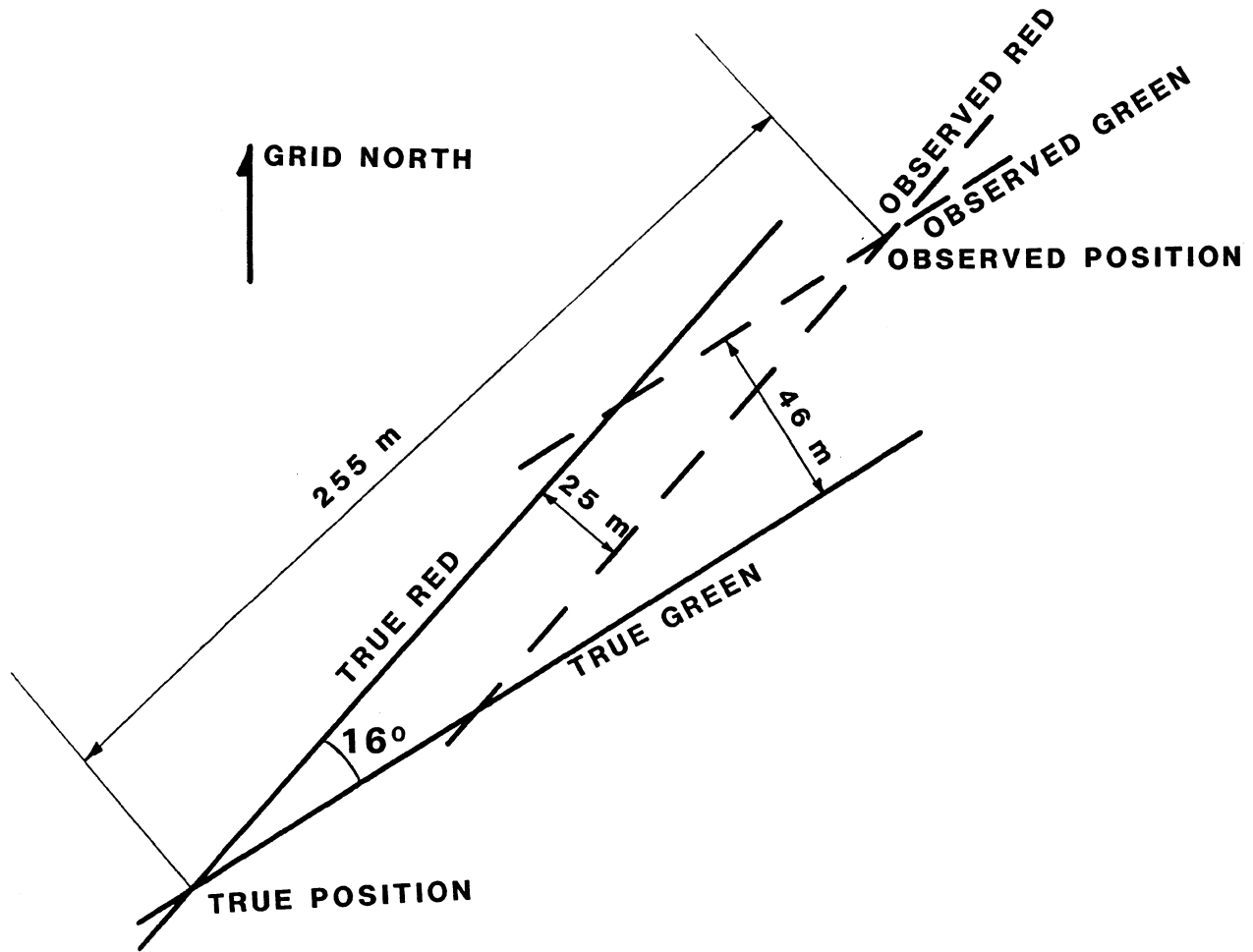


Figure 2-6 Position Displacement due to Decca errors

2.2 Datum

Two sets of coordinates for the Yelverton Bay Decca transmitters were established by Marinav Canada for PCSP. The coordinates of the transmitters were first obtained by Transit single point positioning. These coordinates were expressed in the WGS72 coordinate system and are shown in Table 2-1.

Using the datum translation components for Alert Point, as listed in Surveying Offshore Canada Lands [EMR, 1982], Marinav transformed these WGS72 coordinates into NAD27 coordinates, shown in Table 2-2.

It appears that the program used during the CESAR field program used the WGS72 station coordinates, but computed the Decca fixes using the NAD27 (Clark 1866) ellipsoid.

In any case, the Decca observations were also recorded, and were used here to recompute the fixes using both WGS72 coordinates and WGS72 ellipsoid.

2.3 Calibration

The Decca chain calibration was initially set from observations at a single known point, the Alert Point Transit station.

On 29 April (day 119) and 1 May (day 121), Decca readings were compared to Miniranger positions. Corrections of the order of a few hundredths of a lane were determined [MacDougall, 1983]. See Table 2-3.

As part of the reprocessing of the Decca observations at CESAR, theoretical Decca readings were computed, based on the CESAR camp Transit coordinates, at the time of each observed Decca reading. These theoretical, or "true", readings were compared with the observed values. The results are shown in Figures 2-7 and 2-8. For much of the observation

POLAR CONTINENTAL SHELF PROJECT
 YELVERTON BAY DECCA CHAIN
 (ELLESMERE ISLAND)
 1983

DATUM WGS-72		MASTER	RED	GREEN
		Marinav Tablet 02 FHM 82	Marinav Tablet 03 FHM 82	Marinav Tablet 01 FHM 82
Geographic Co-Ords.	Lat Long Ht(m)	82°21'54".624N 83°55'54.071W 4.658	83°05'25".415N 74°07'10".180W 19.279	81°49'57".455N 90°38'39".543W -1.104
U.T.M. Co-Ords	N E	9 146 692.420 456 533.442	9 232 049.555 592 197.321	9 098 859.592 347 729.744
ZONE		17 (CM 81°W)	17 (CM 81°W)	17 (CM 81°W)
Baseline Length (m)		---	160 342.638	118 886.004
Transmitted Freq. kHz		88.980 (6F)	118.640 (8F)	133.470 (9F)
Comparison Freq. kHz		---	355.920 (24F)	266.940 (18F)
Speed of Propagation km/s		---	299 600	299 600
Lane Width (m)		---	420.8810969	561.1747958
Total number of lanes		---	380.969	211.852
First Lane		---	1A 00	1A 30
Last Lane		---	2F 20.969	2B 43.852

Note: The co-ordinate values of the stations were obtained by
 Single Point Satellite Positioning

Table 2-1 Decca WGS-72 Transmitter Coordinates.

POLAR CONTINENTAL SHELF PROJECT
 YELVERTON BAY DECCA CHAIN
 (ELLESMERE ISLAND)
 1983

<u>DATUM</u>		MASTER	RED	GREEN
NAD-27		Marinav Tablet 02 FHM 82	Marinav Tablet 03 FHM 82	Marinav Tablet 01 FHM 82
Geographic Co-Ords.	Lat Long Ht (m)	82°21'50"502N 83°55'56"475W 15.142	83°05'21"300N 74°07'20"506W 27.620	81°49'53"425N 90°38'37"297W 10.556
U.T.M. Co-Ords	N E	9 146 449.785 456 514.984	9 231 806.809 592 178.669	9 098 616.996 347 711.485
ZONE		17 (CM 81°W)	17 (CM 81°W)	17 (CM 81°W)
Baseline Length (m)		---	160 342.401	118 885.802
Transmitted Freq. kHz		88.980 (6F)	118.640 (8F)	133.470 (9F)
Comparison Freq. kHz		---	355.920 (24F)	266.940 (18F)
Speed of Propagation km/s		---	299 600	299 600
Lane Width (m)		---	420.8810969	561.1747958
Total number of lanes		---	380.968	211.852
First Lane		---	1A 00	1A 30
Last Lane		---	2F 20.968	2B 43.852

Note: The co-ordinate values of the stations were derived from Single Point Satellite Positioning with datum conversion using values
 X₀ -8 Y₀ + 169 Z₀ + 176

Table 2-2 Decca NAD-27 Transmitter Coordinates.

TABLE 2-3

Decca Calibration Against Miniranger.

Day	Point	Miniranger Left	Ranges Right	Observed Decca Readings		Decca Corrections (True-Observed)	
				Red	Green	Red	Green
119	1	40789 m	61760 m	B 2.16	D45.98	-0.02	+0.03
	2	46630	58293	B 1.06	F33.72	-0.01	+0.03
	3	53576	59322	B 1.02	F47.82	-0.02	+0.02
	4	42776	48399	A18.01	F47.74	-0.01	+0.02
	5	32840	38208	A11.94	F47.66	-0.01	+0.01
	6	22060	26213	A 5.96	G30.15	-0.01	+0.03
121	11	30487	45130	H 0.18	A39.93	+0.04	+0.01
	12	37807	40696	G 0.10	A42.03	+0.03	+0.01
	13	43569	46646	G 0.06	A44.96	+0.04	0.00
	14	49511	52713	G 0.03	A47.98	+0.02	-0.01
	15	55234	58509	G 0.12	B32.94	+0.04	0.00
	16	61066	64281	F23.94	B35.94	+0.04	0.00
	17	67101	70280	F23.97	B38.96	+0.03	+0.01

Coordinates of Miniranger Stations:

Day 119	Left	82 12 34.243 N	86 41 41.109 W
	Right	82 01 18.523 N	88 13 06.421 W
Day 121	Left	82 52 27.761 N	79 38 01.821 W
	Right	82 37 17.831 N	81 36 28.369 W

Figure 2-7
Observed-True Decca Readings, 30-Minute Data (before calibration).

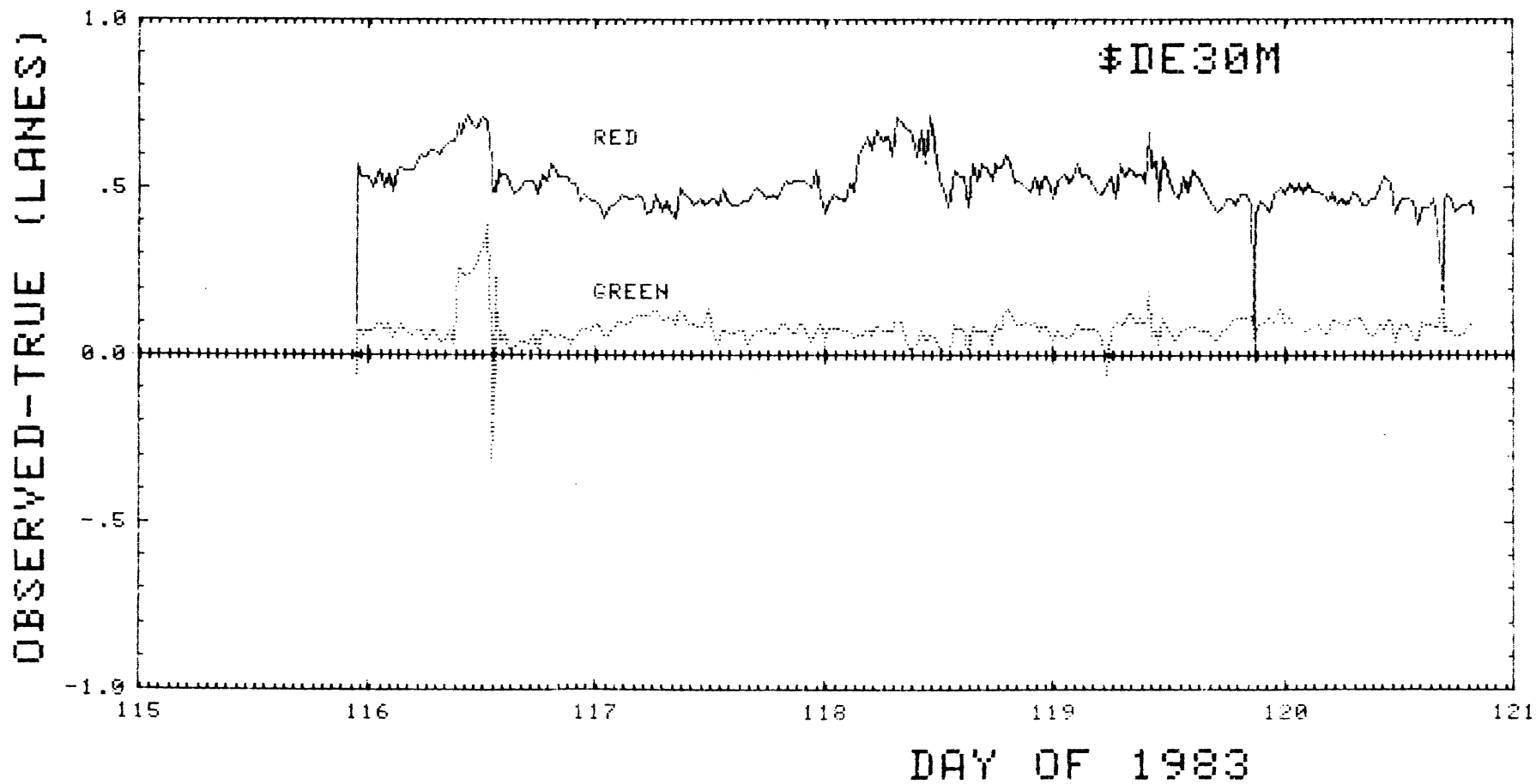
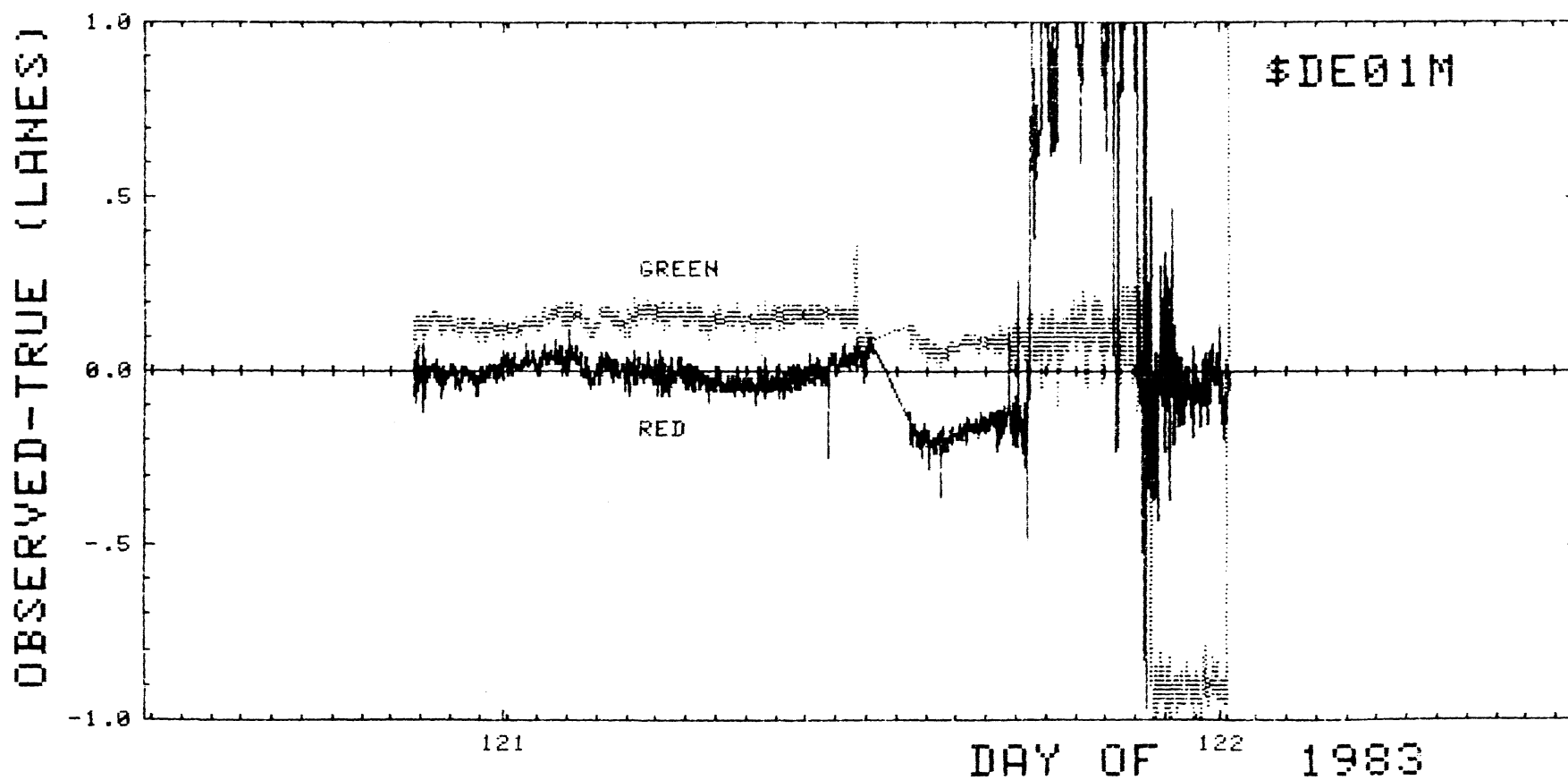


Figure 2-8
Observed-True Decca Readings, 1-Minute Data (before calibration).



period, reasonably stable biases can be inferred from these results, as given in Table 2-4. Figures 2-9 to 2-13 show histograms of these residual readings.

These results indicate Decca Red was reading one lane high from 121 1740 to 121 2150, and Decca Green was reading one lane low from 121 2150 to 122 0020. Note that day 121 was when Miniranger calibrations were being performed.

In addition, it would appear that Decca Red was reading a half lane high for most of the period of Decca operation, from 115 2250 to 120 1950. Other biases of up to a few tenths of a lane occurred.

The biases in Table 2-4 were subtracted from the observed readings during a second processing run. The resulting readings, compared to the theoretical readings derived from Transit, are shown in Figures 2-14 and 2-15, and their histograms in Figures 2-16 and 2-17.

The means and standard deviations of the observed minus theoretical Decca readings, before and after subtracting the biases of Table 2-4, are shown in Table 2-5.

2.4 Results

Time series plots and histograms of the offset between Decca and Transit positions, expressed both in Polar Stereographic coordinate differences and in magnitude and (grid) direction, are shown in Figures 2-18 to 2-33, both before and after applying the calibration biases.

Means and standard deviations of these results are given in Table 2-6.

Complete listings of the calibrated Decca results are contained in Appendix D.

TABLE 2-4
Decca Calibration Against Transit.

Time Span	Bias in readings Observed-"true"	
	Red	Green
115 22:50 - 120 19:50	0.50	0.08
120 21:00 - 121 12:30	0.00	0.15
121 13:30 - 121 17:40	-0.17	0.08
121 17:40 - 121 21:50	1.05	0.10
121 21:50 - 122 00:20	-0.04	-0.91

Figure 2-9

Uncalibrated Observed-True Decca Reading Histogram for 115 2250 to 120 1930.

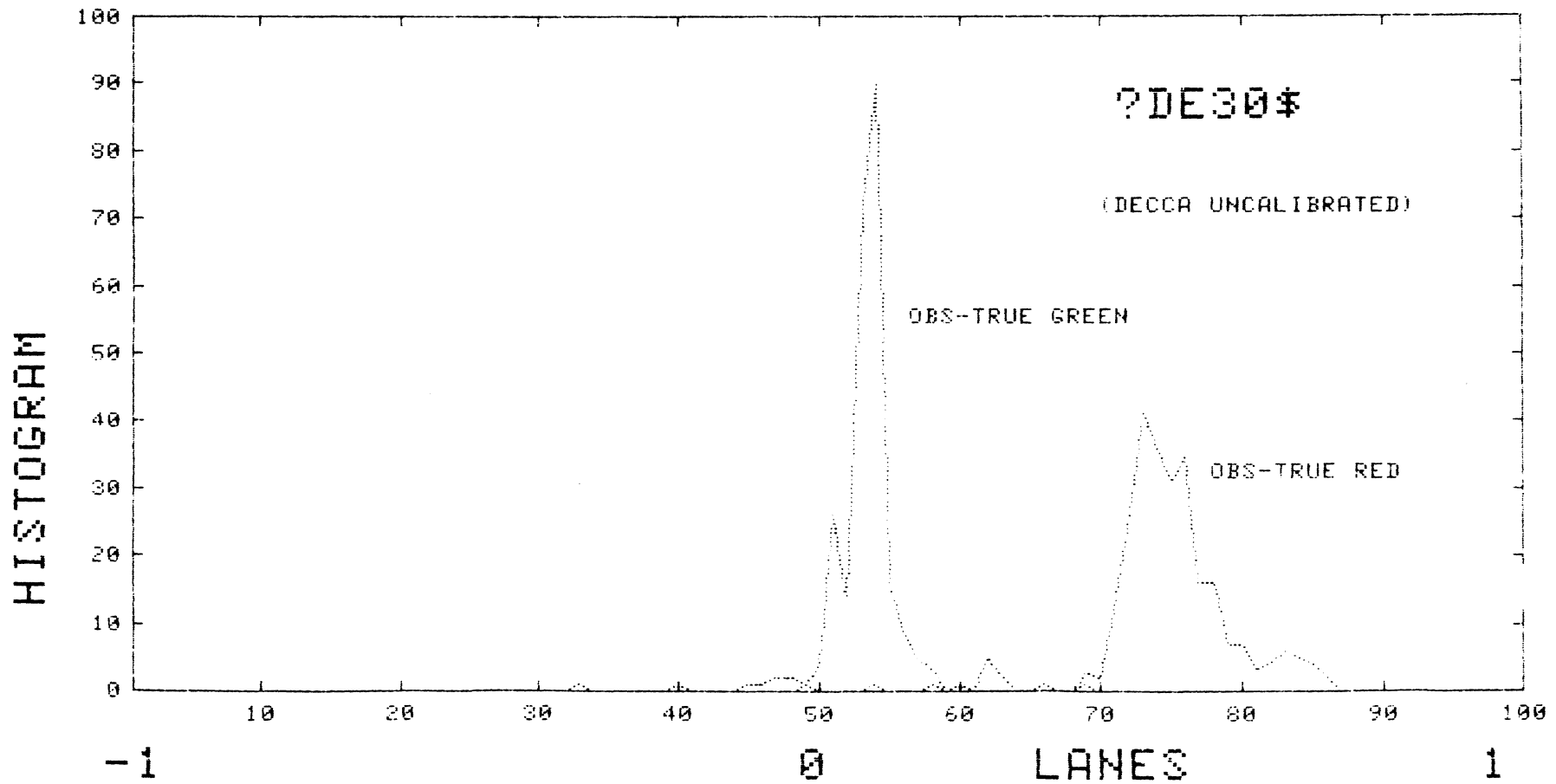


Figure 2-10

Uncalibrated Observed-True Decca Reading Histogram for 120 2100 to 121 1230.

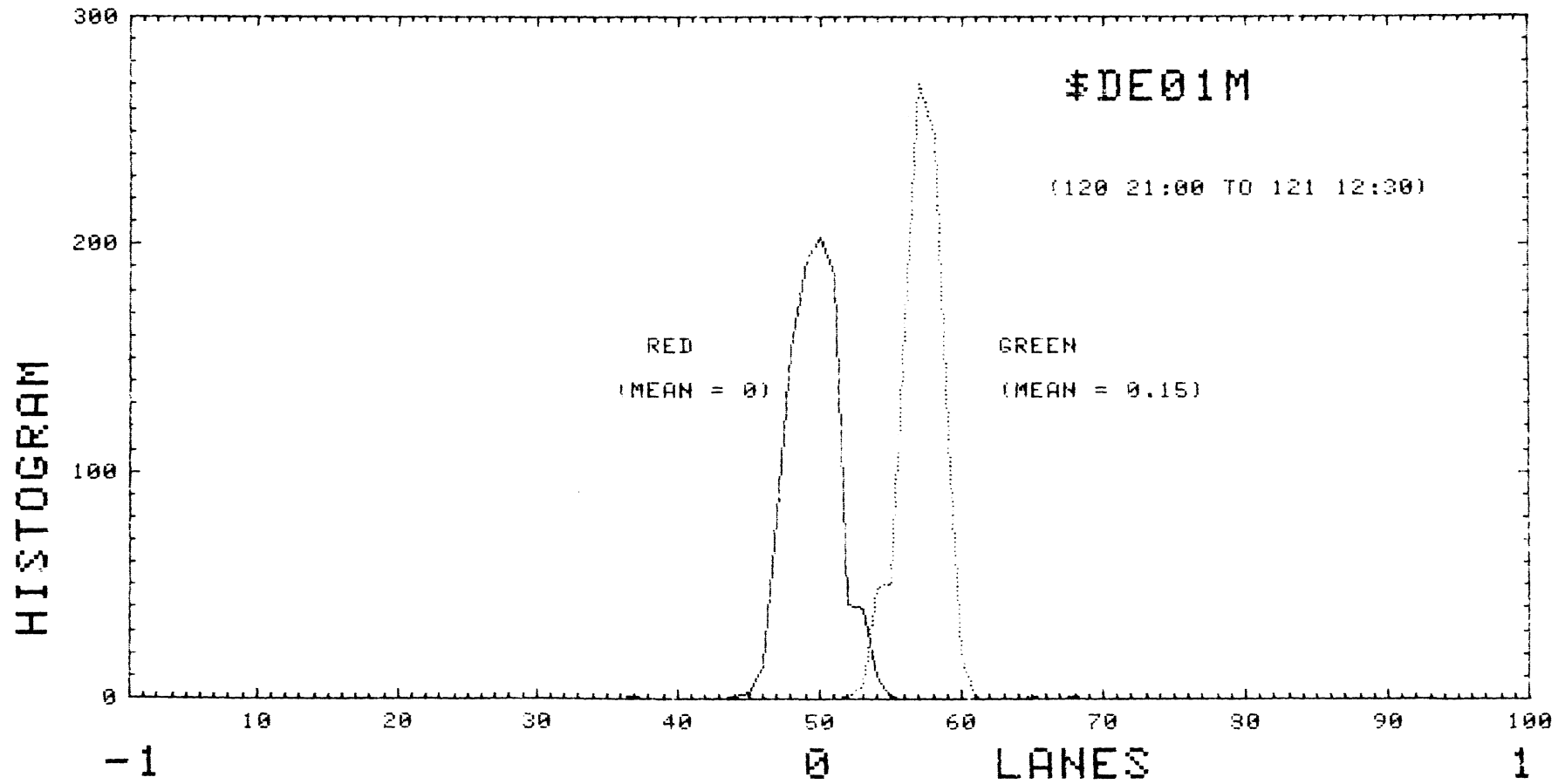


Figure 2-11

Uncalibrated Observed-True Decca Reading Histogram for 121 1330 to 121 1740.

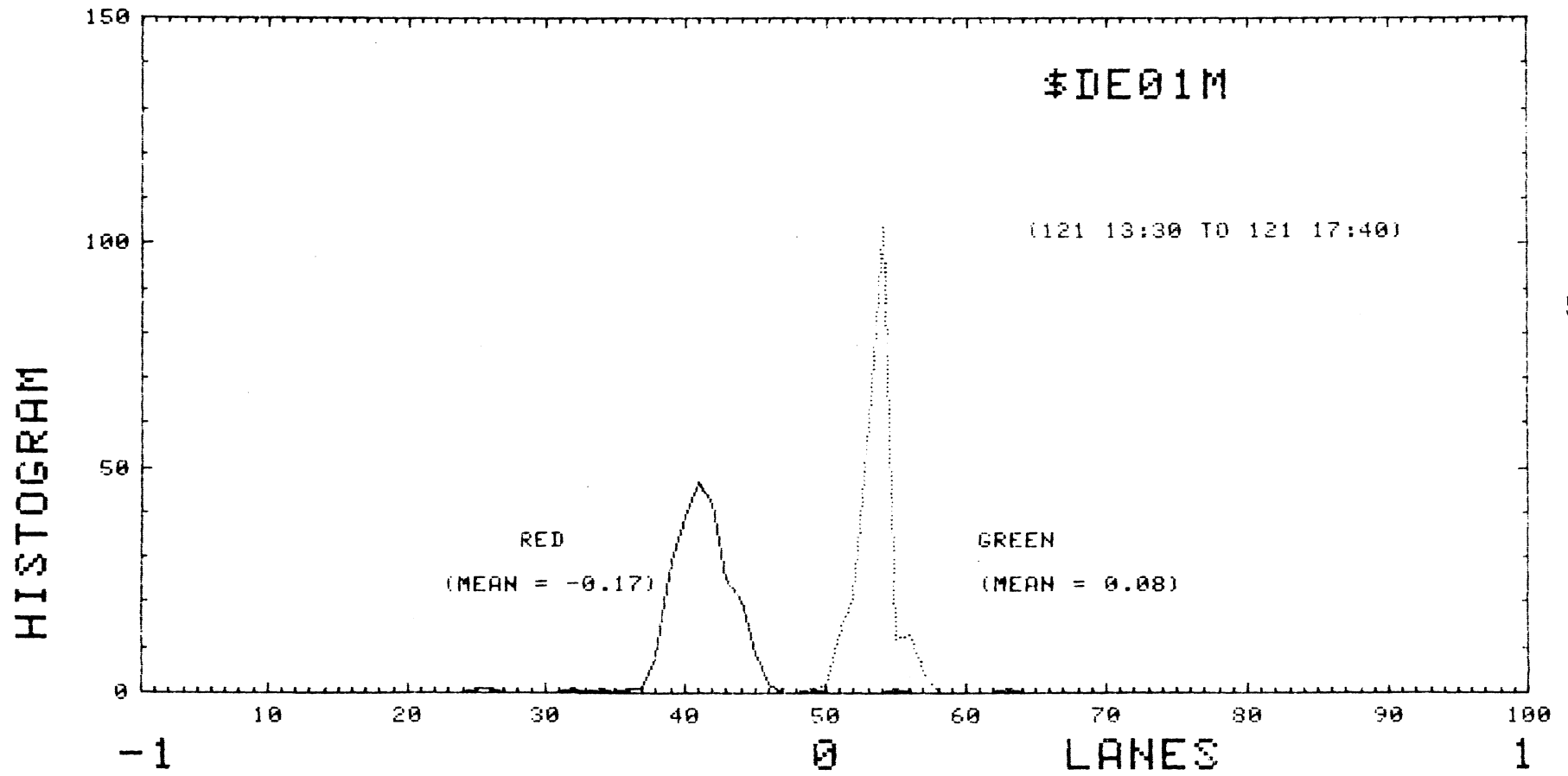


Figure 2-12

Uncalibrated Observed-True Decca Reading Histogram for 121 1740 to 121 2150.

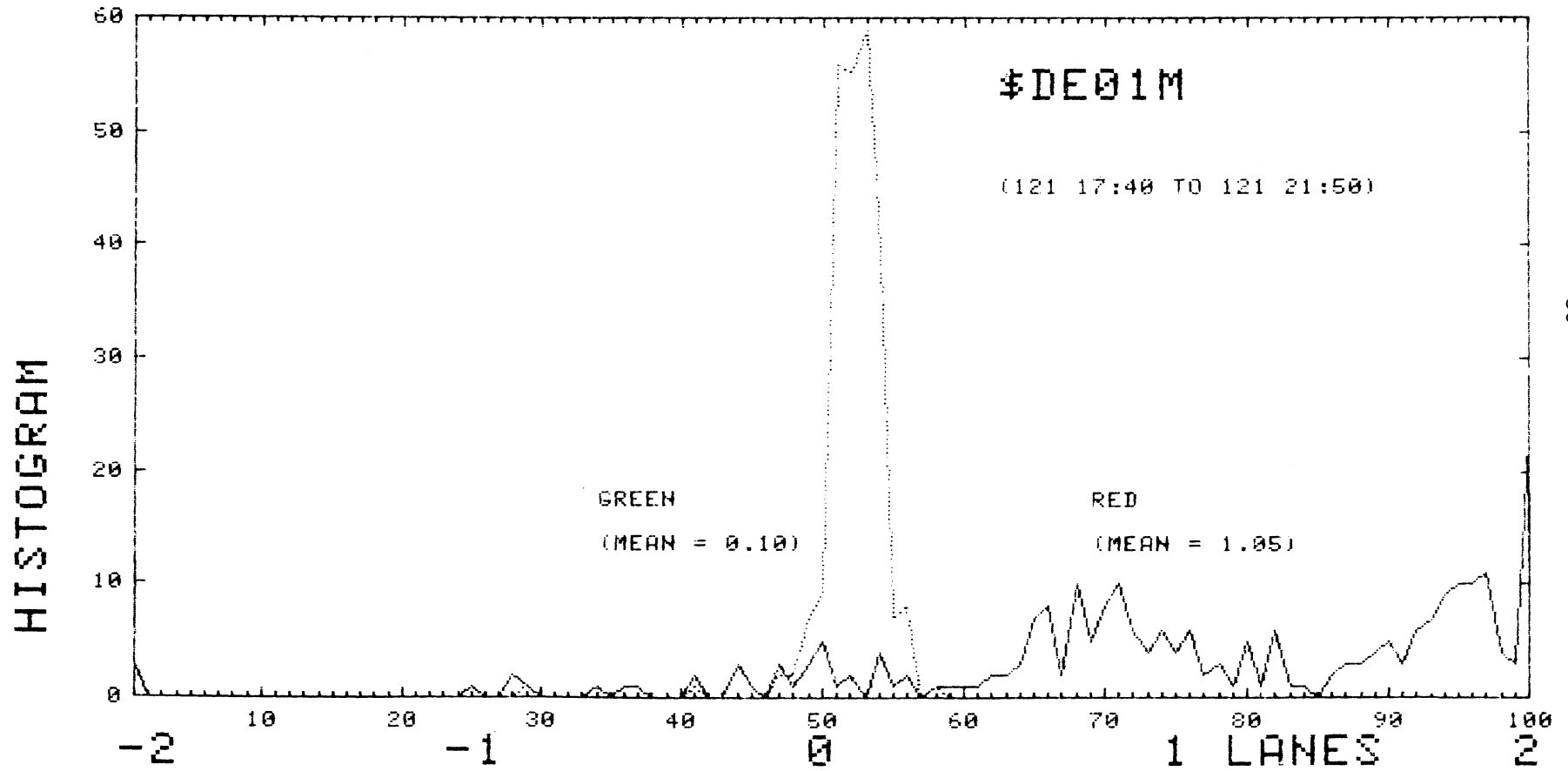


Figure 2-13

Uncalibrated Observed-True Decca Reading Histogram for 121 2150 to 122 0020.

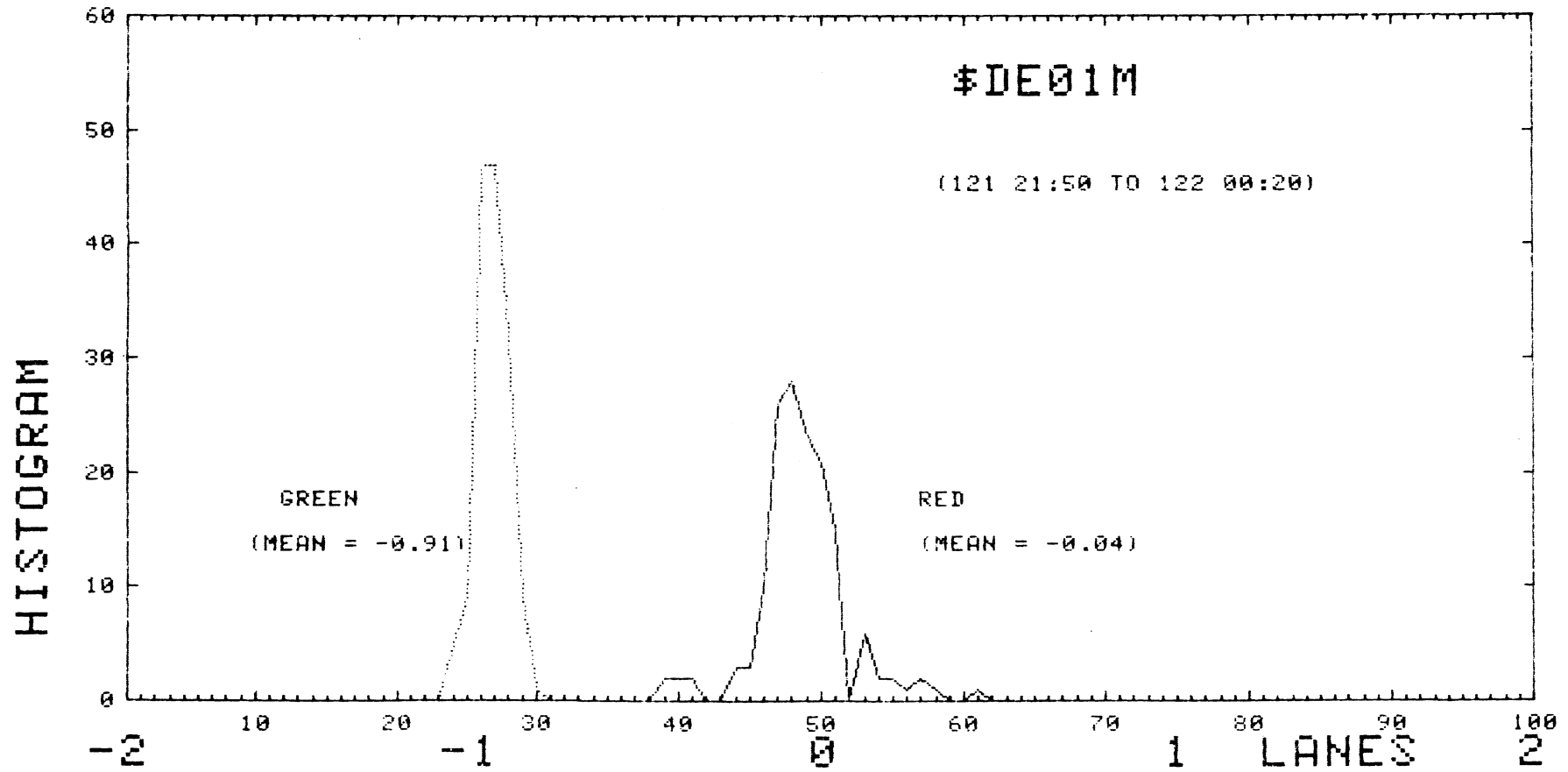


Figure 2-14

Observed-True Decca Readings, 30-Minute Data (after calibration).

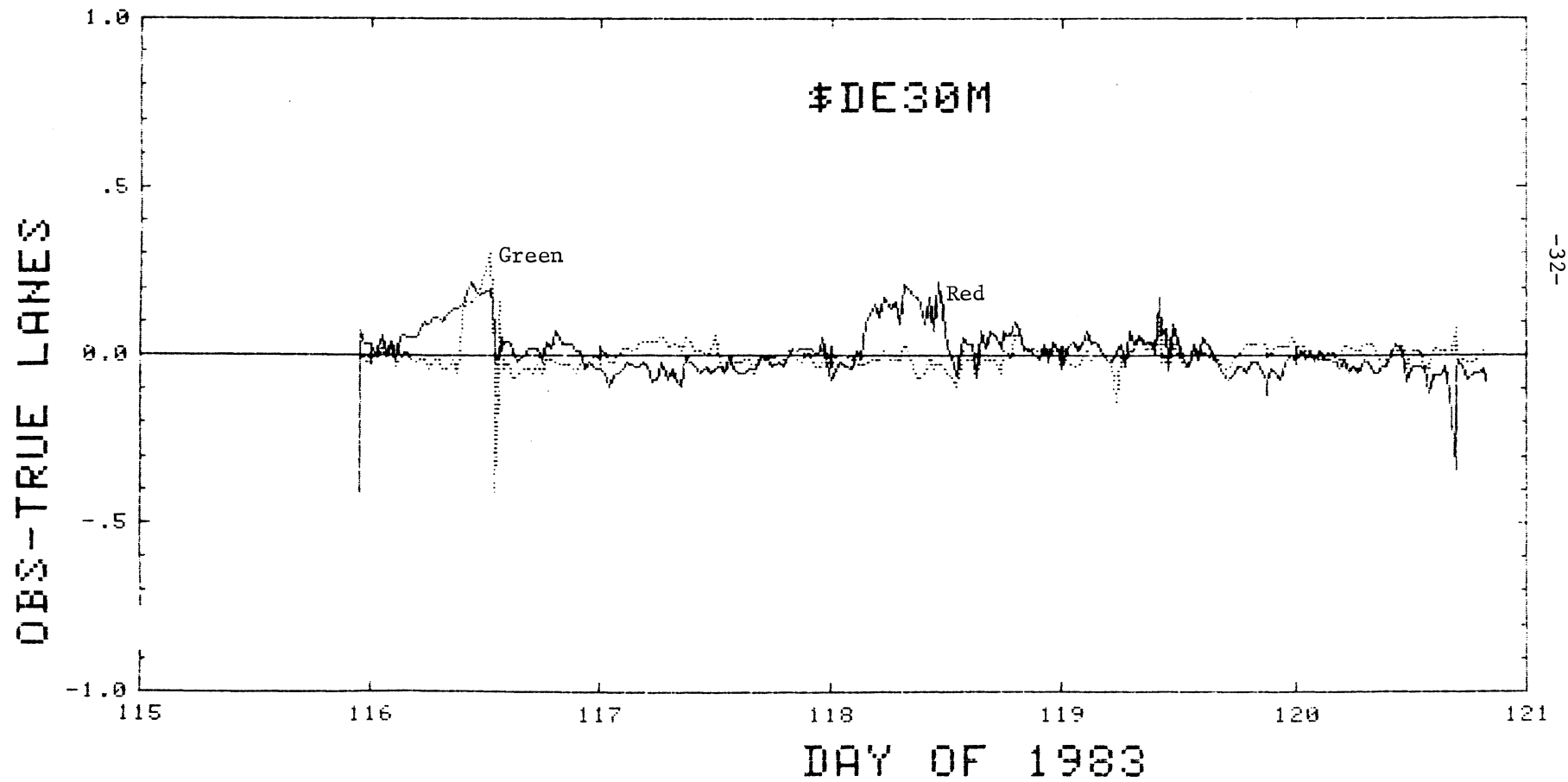


Figure 2-15

Observed-True Decca Readings, 1-Minute Data (after calibration).

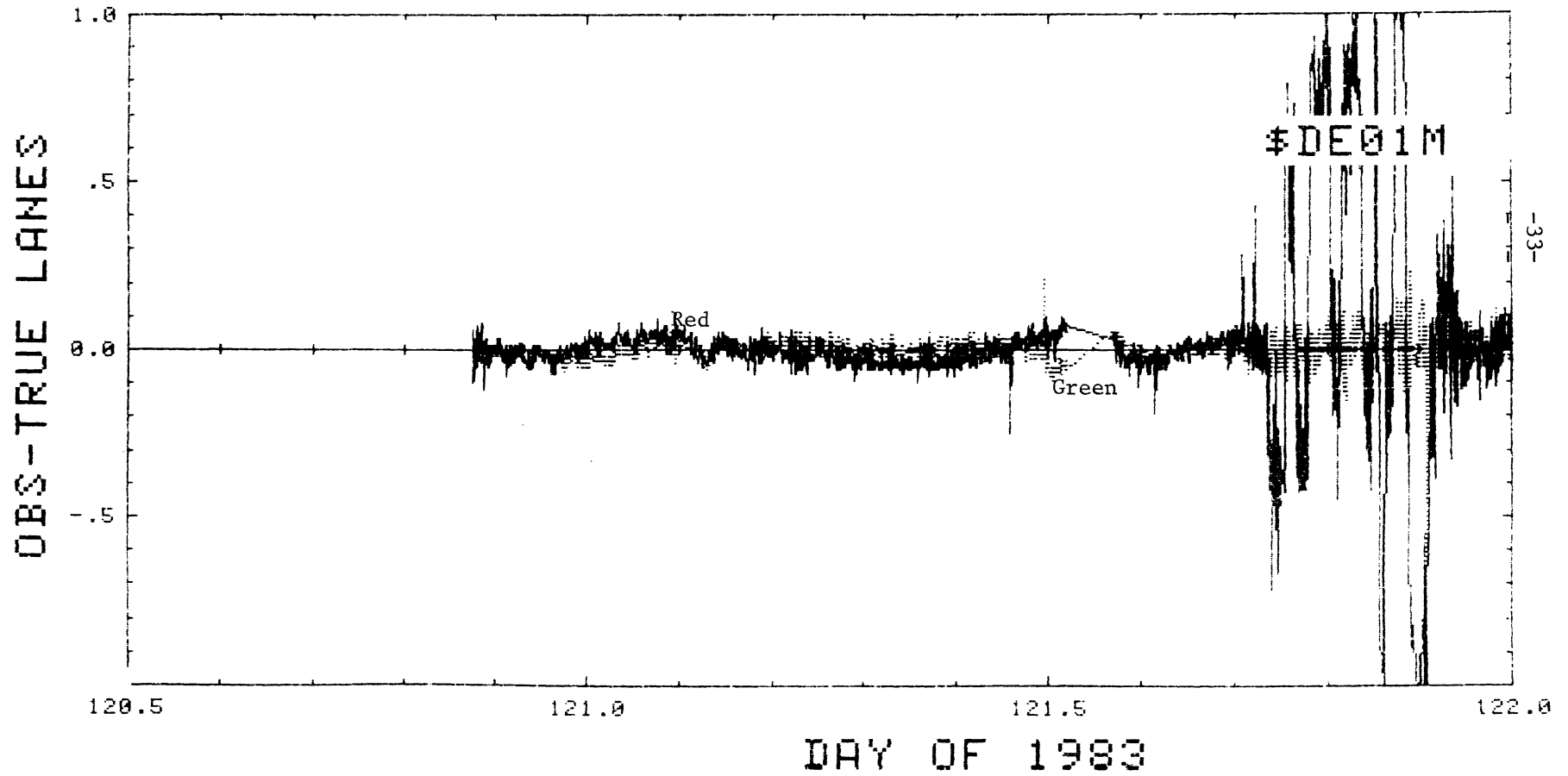


Figure 2-16

Calibrated Observed-True Decca Reading Histogram for 115 2250 to 120 1930.

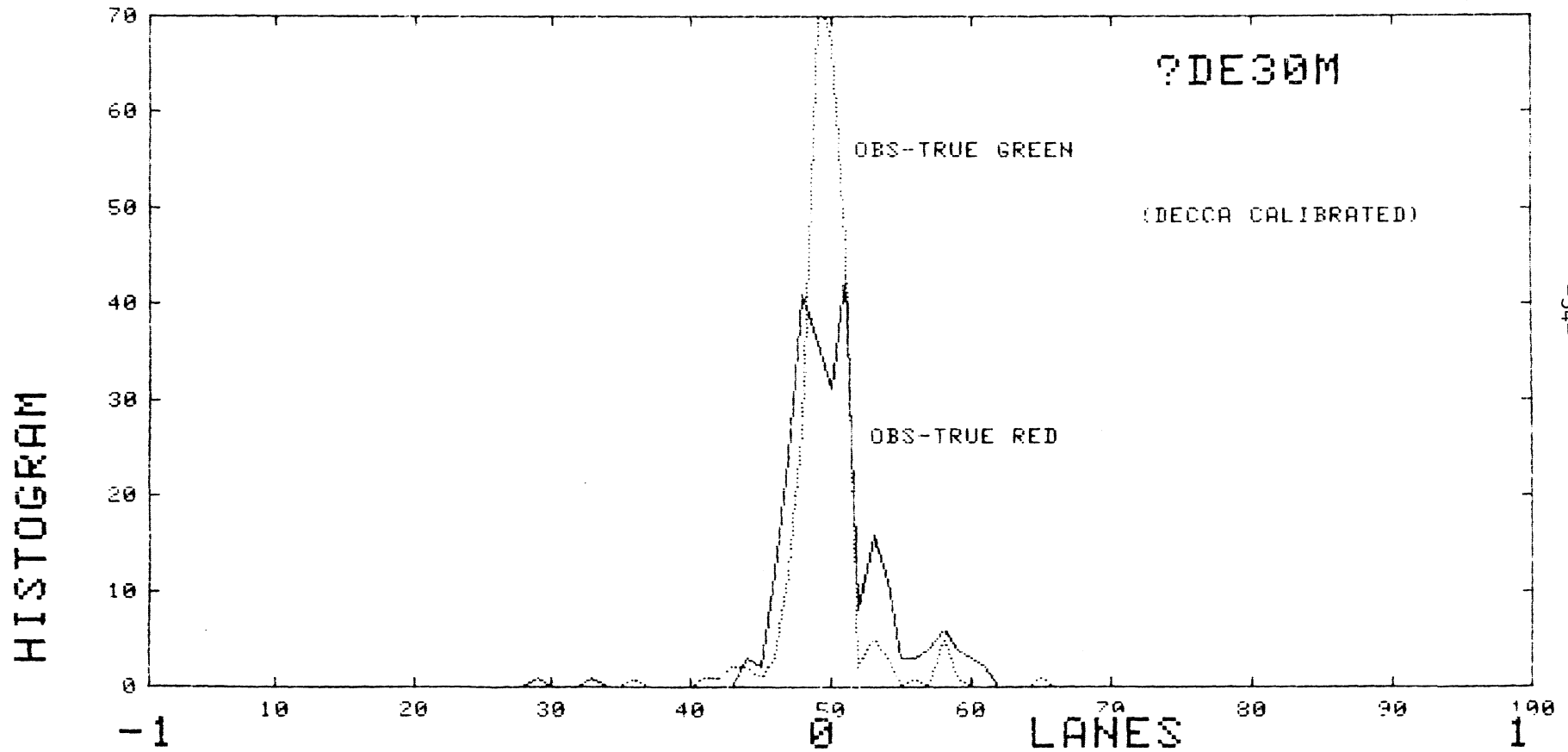


Figure 2-17
Calibrated Observed-True Decca Reading Histogram for 120 2100 to 122 0020.

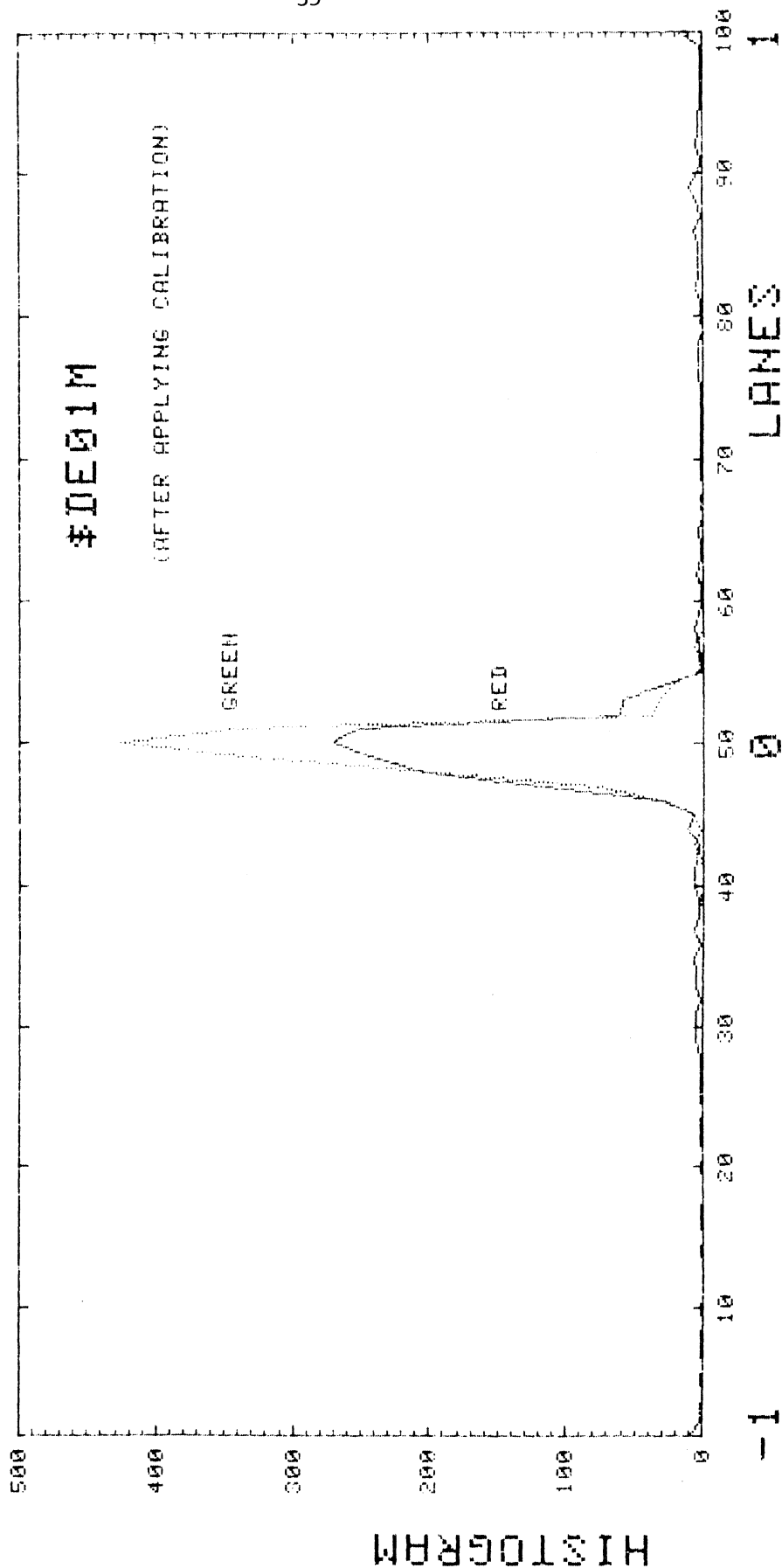


TABLE 2-5

Statistics of Decca Readings.

Time Span	Calibrated?	Red		Green	
		Mean	Std Dev	Mean	Std Dev
115 2250 to 120 1930	No	0.51	0.08	0.08	0.06
115 2250 to 120 1930	Yes	0.00	0.08	0.00	0.06
120 2100 to 122 0020	No	0.00	0.21	0.04	0.30
120 2100 to 122 0020	Yes	0.02	0.21	0.00	0.04

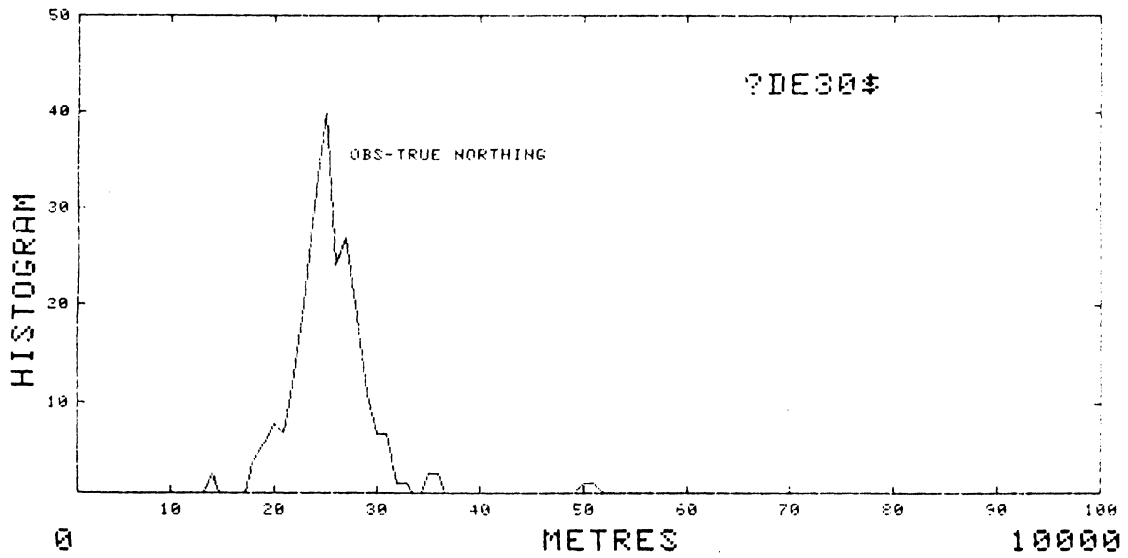
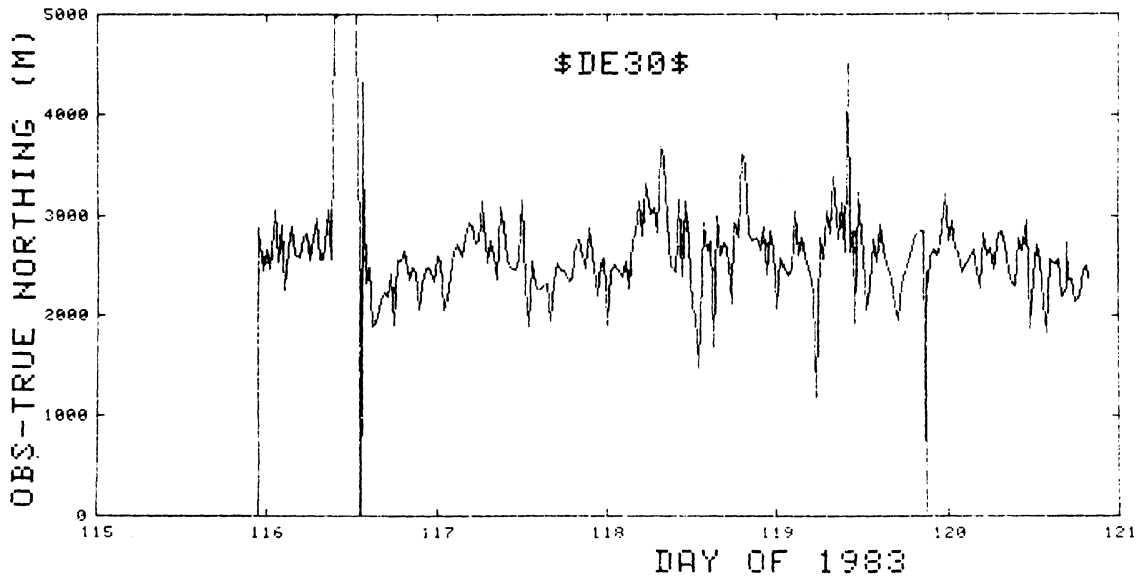


Figure 2-18
Decca Northing Offsets: 30-Minute Data, Uncalibrated.

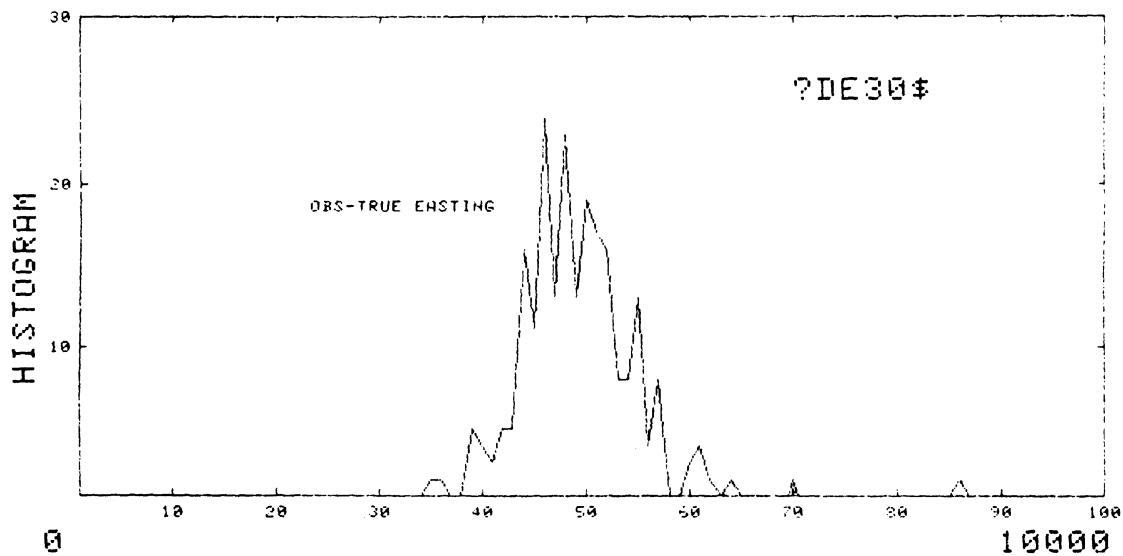
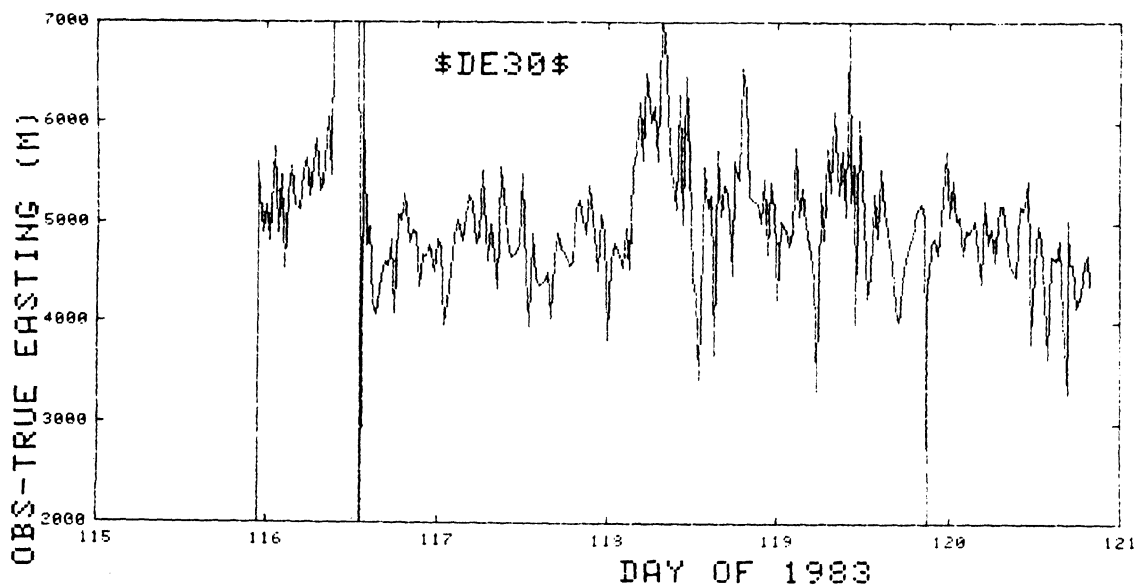


Figure 2-19
Decca Easting Offsets: 30-Minute Data, Uncalibrated.

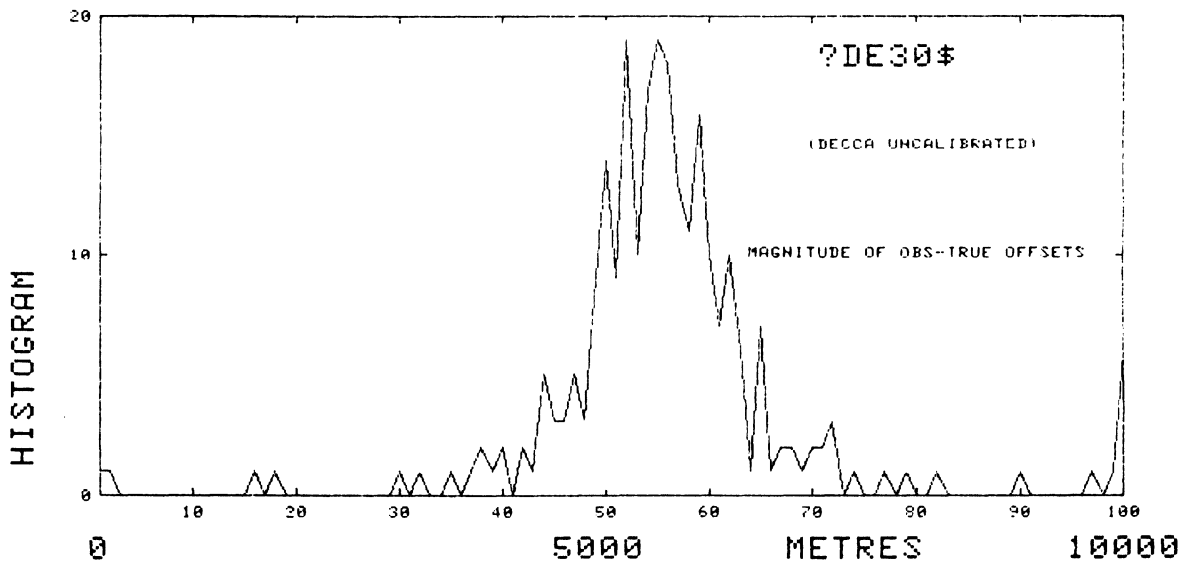
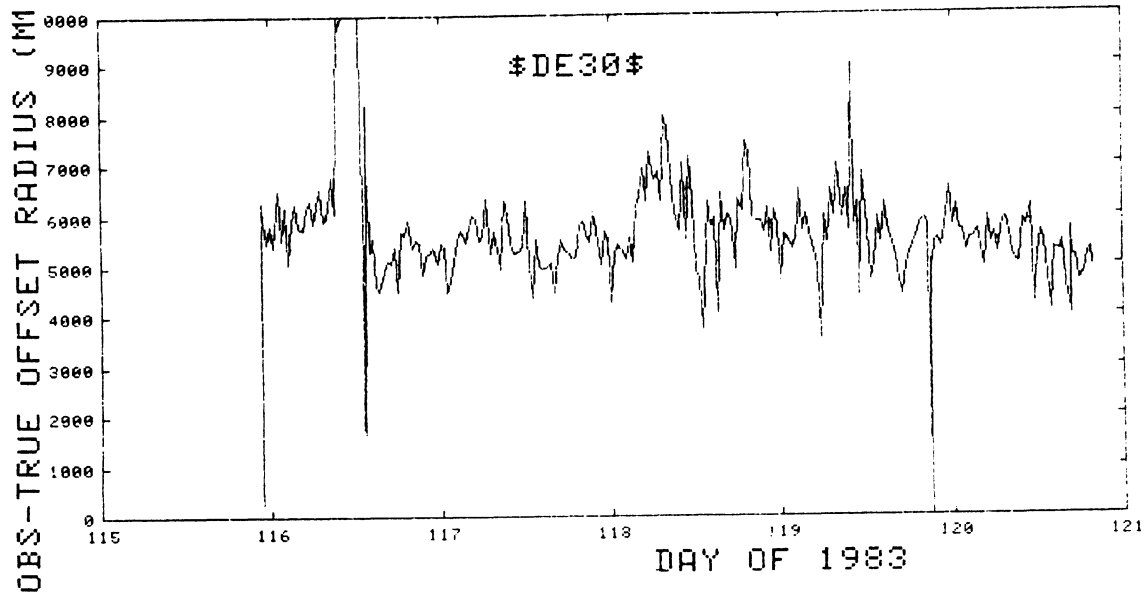


Figure 2-20

Decca Offset Magnitudes: 30-Minute Data, Uncalibrated.

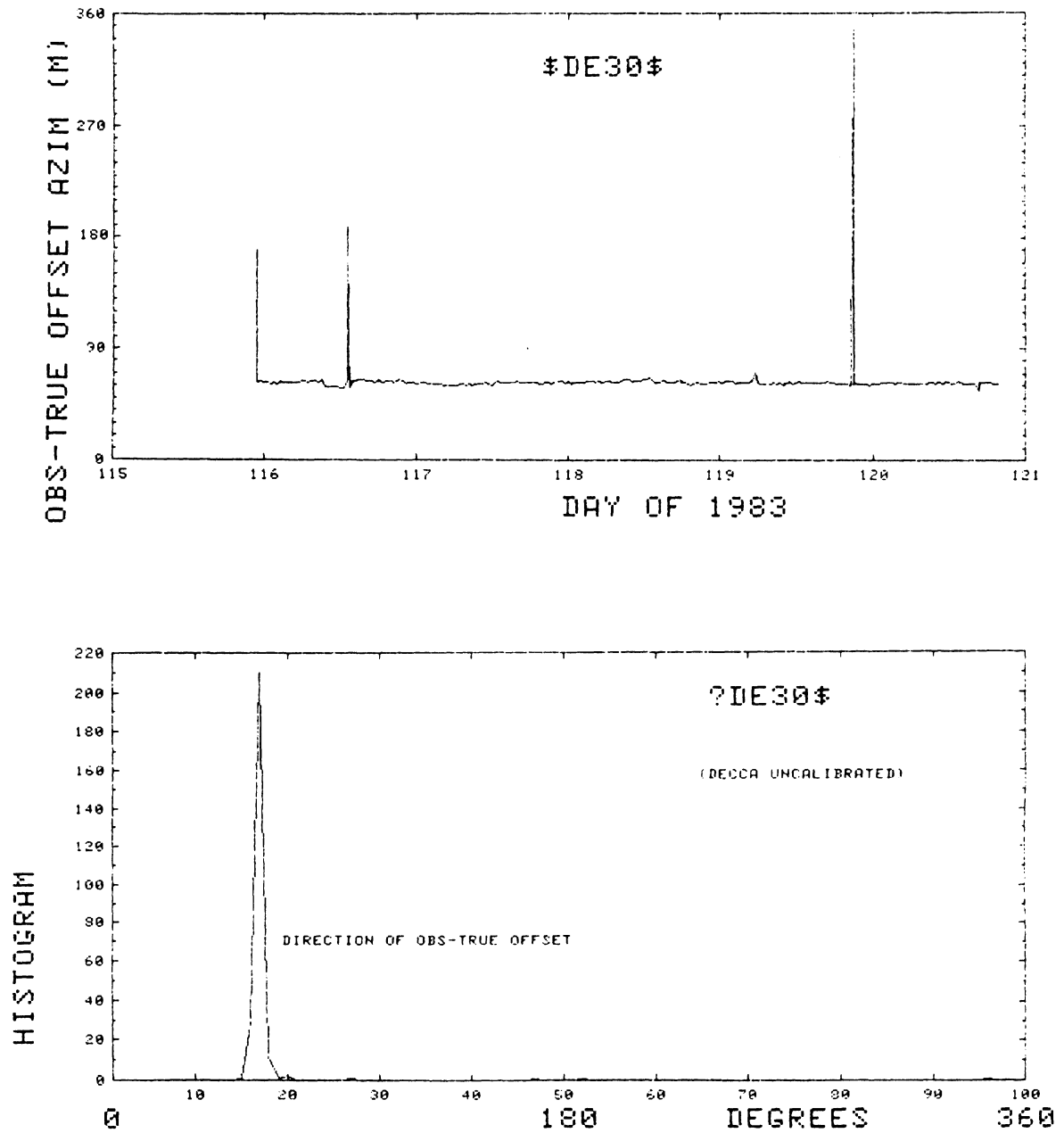


Figure 2-21
Decca Offset Directions: 30-Minute Data, Uncalibrated.

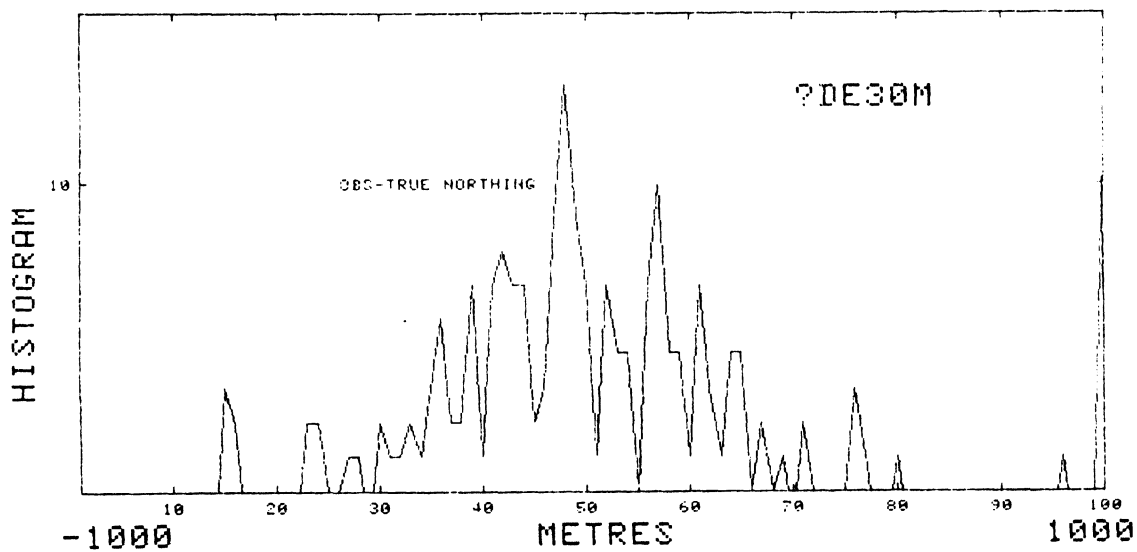
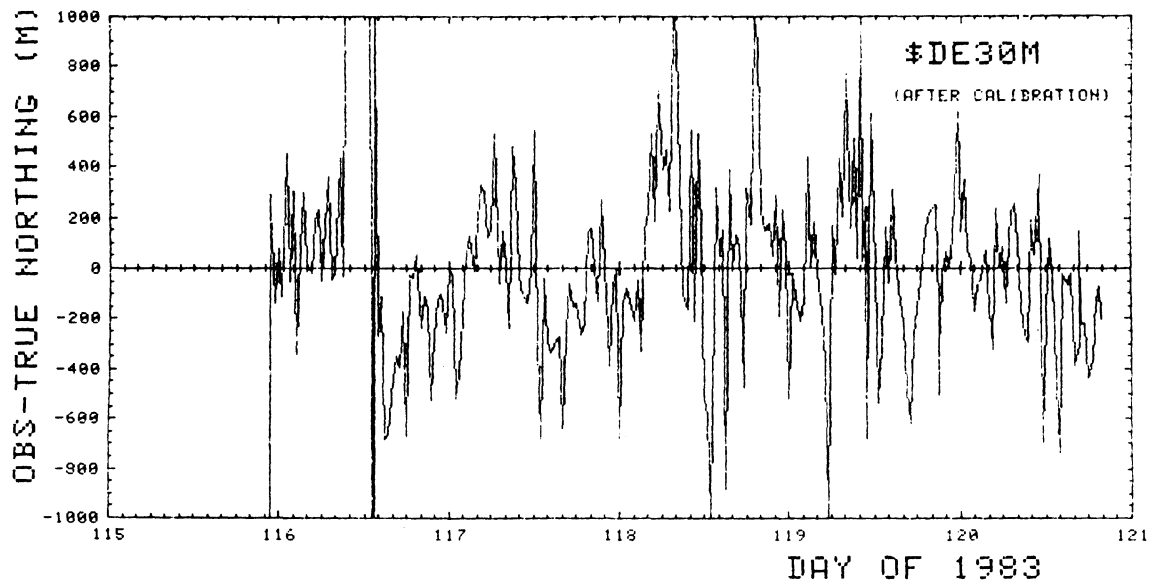


Figure 2-22
Decca Northing Offsets: 30-Minute Data, Calibrated.

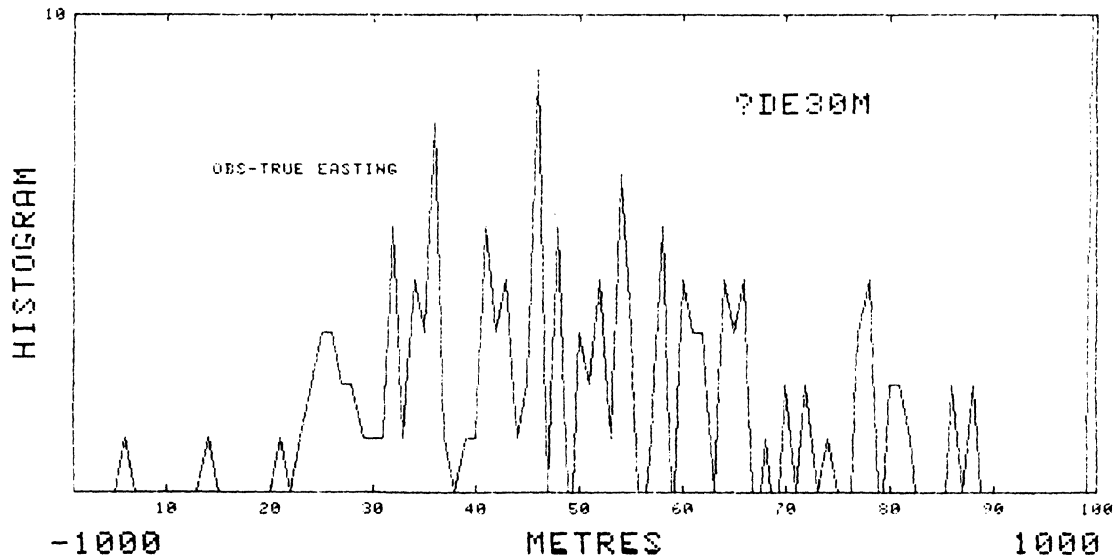
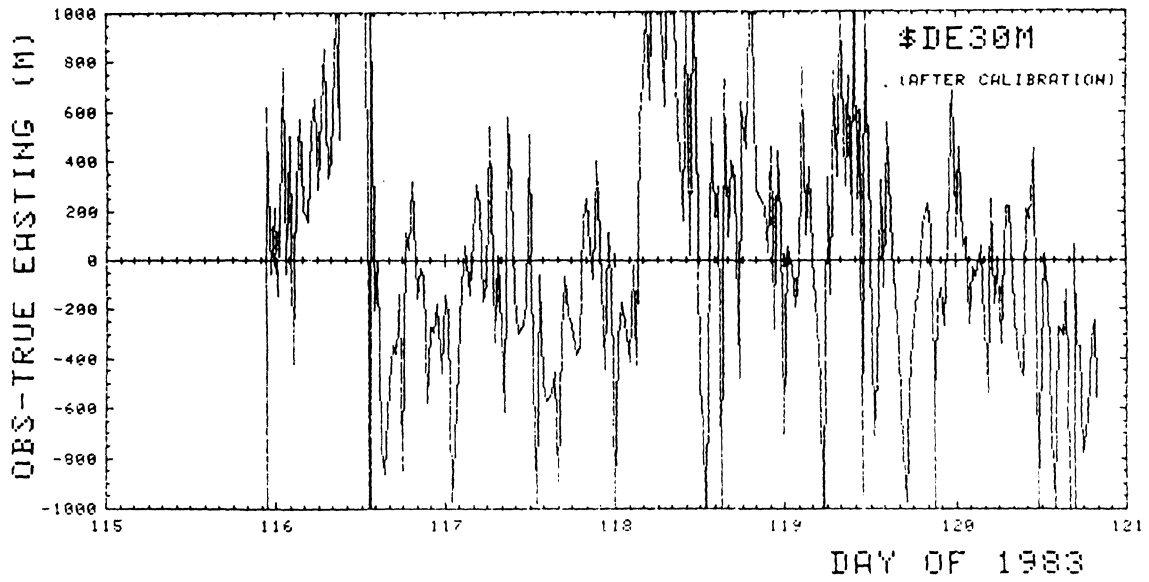


Figure 2-23
Decca Easting Offsets: 30-Minute Data, Calibrated.

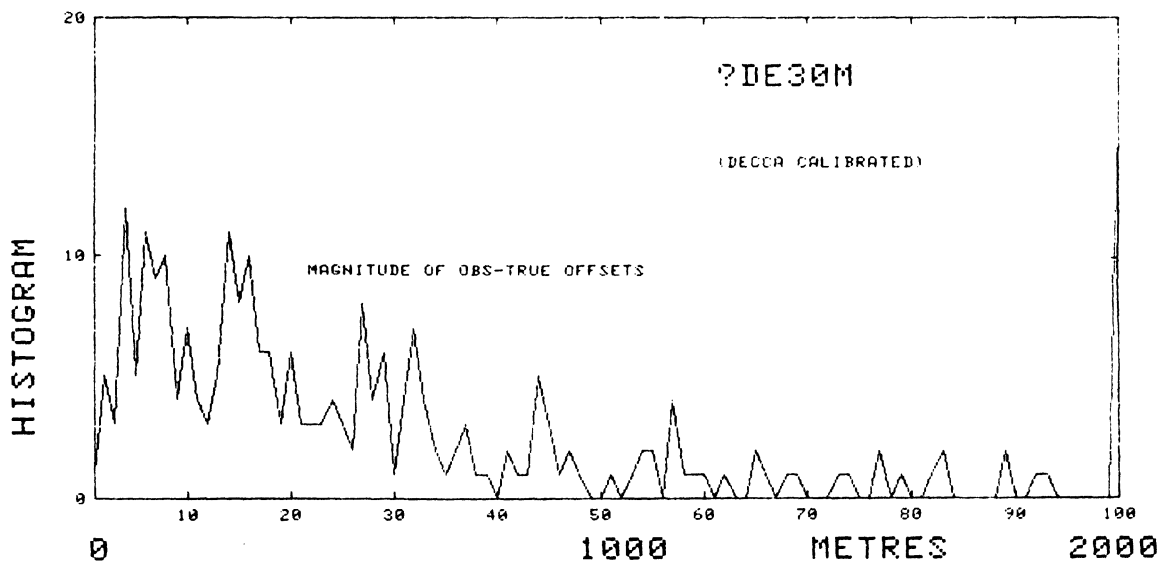
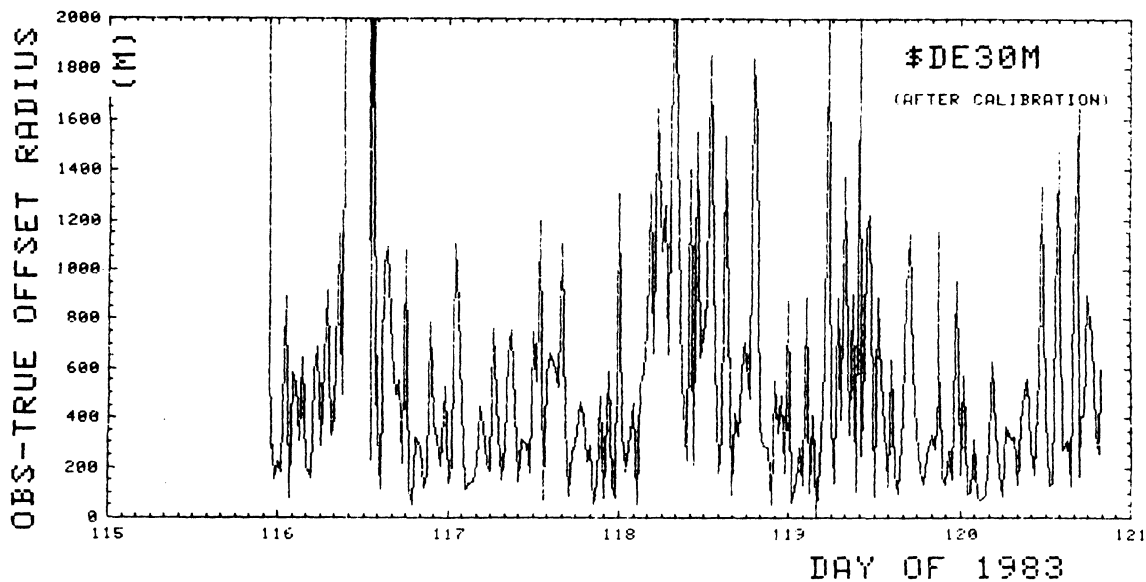


Figure 2-24

Decca Offset Magnitudes: 30-Minute Data, Calibrated.

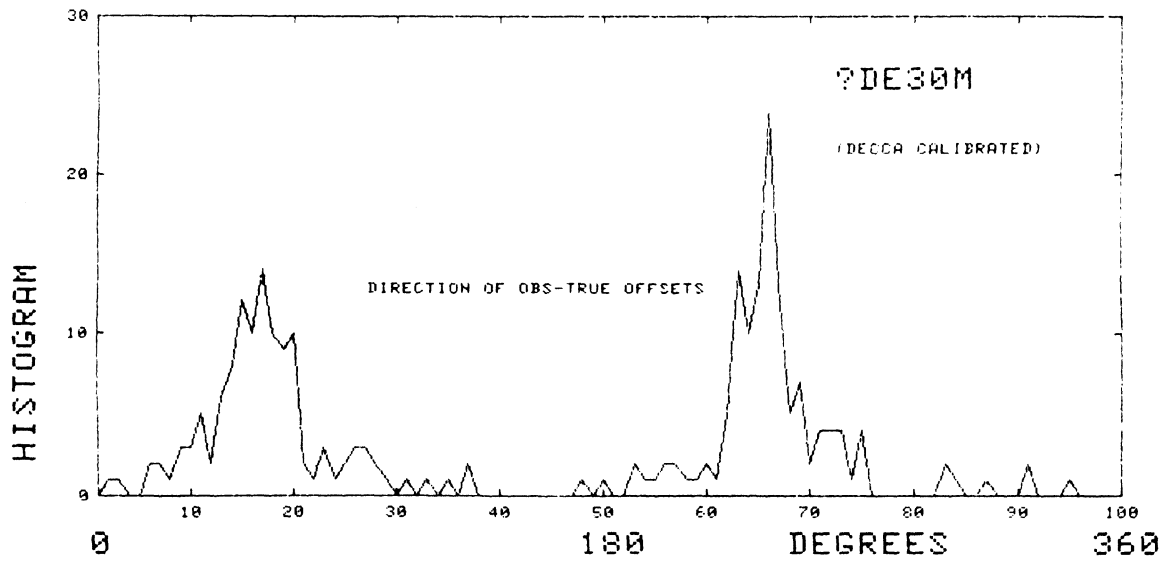
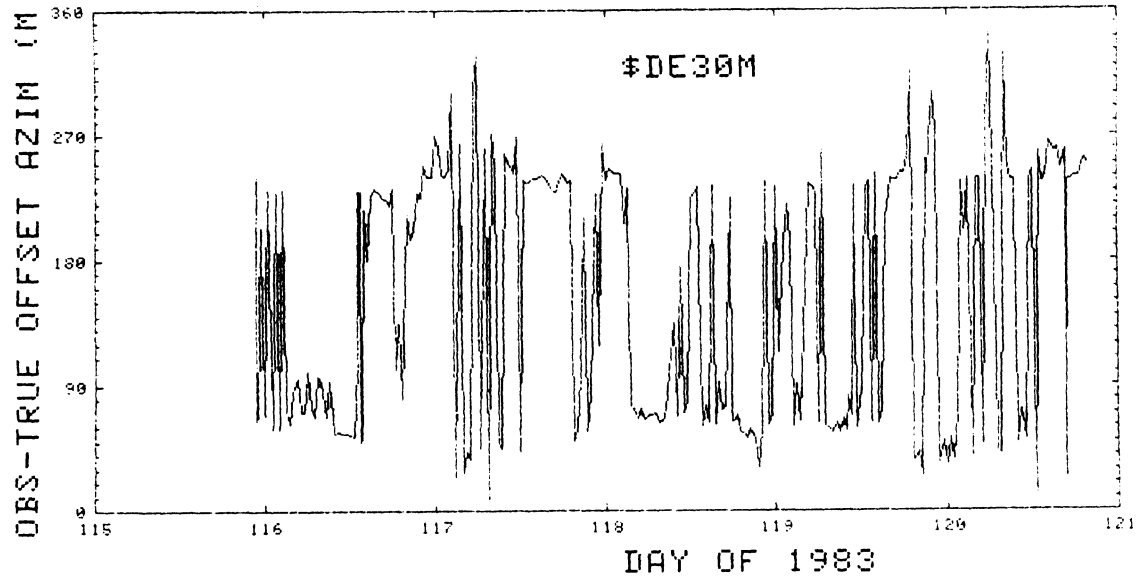


Figure 2-25
Decca Offset Directions: 30-Minute Data, Calibrated

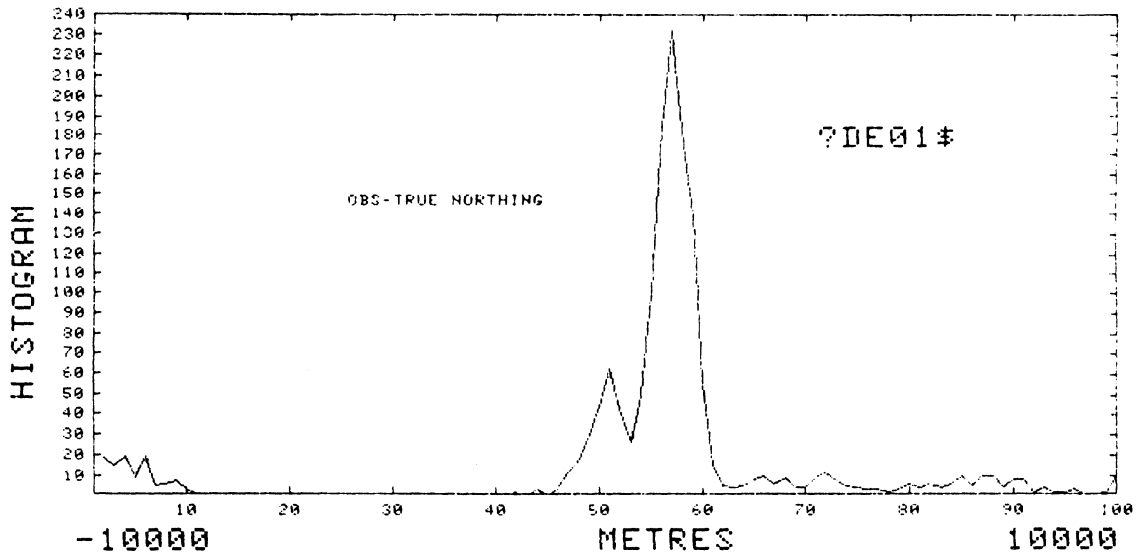
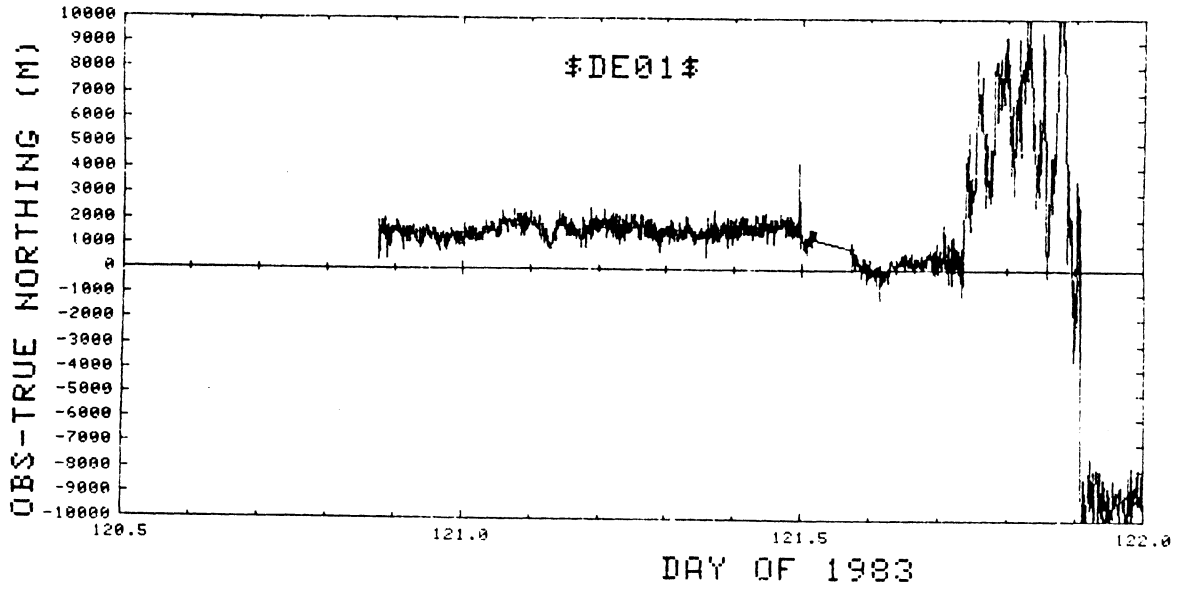


Figure 2-26
Decca Northing Offsets: 1-Minute Data, Uncalibrated.

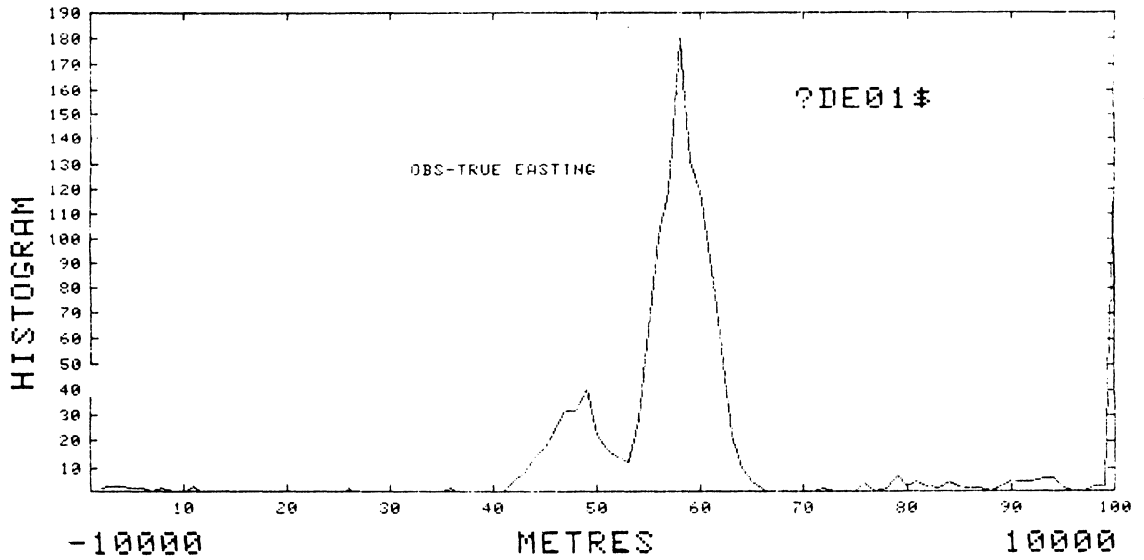
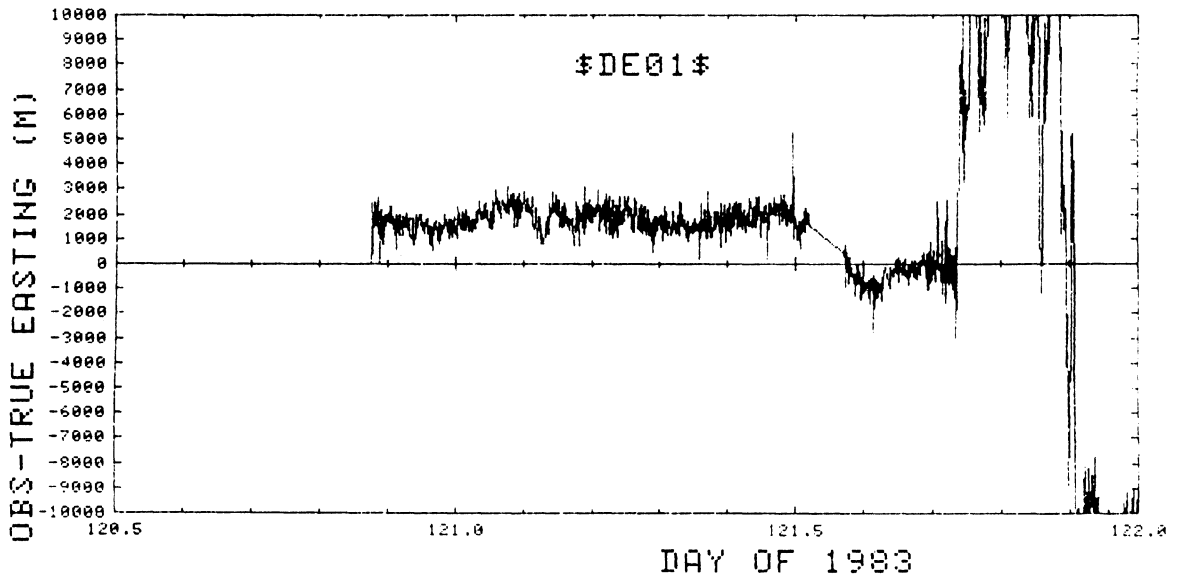


Figure 2-27
Decca Easting Offsets: 1-Minute Data, Uncalibrated.

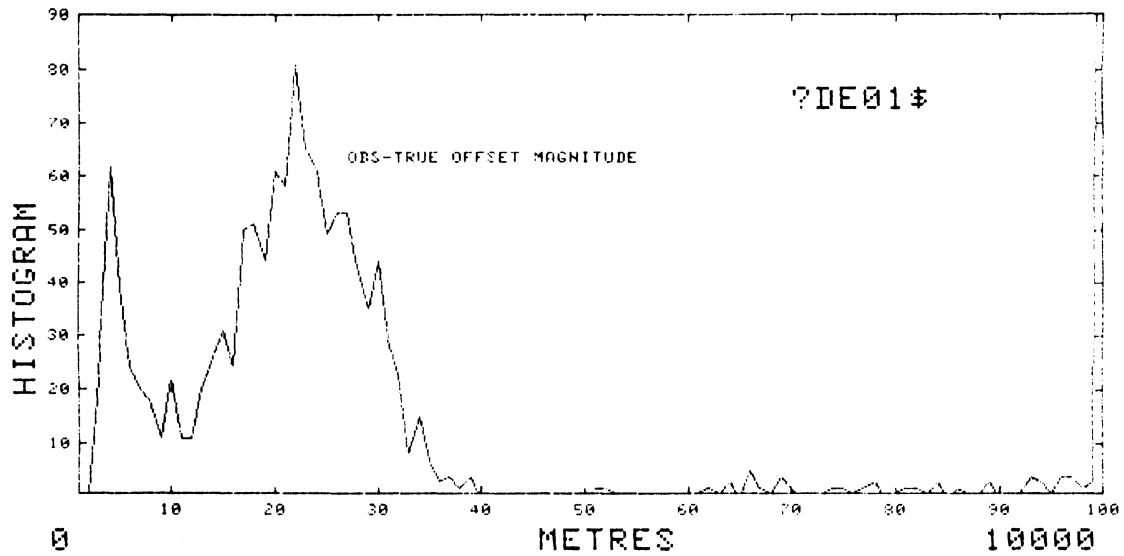
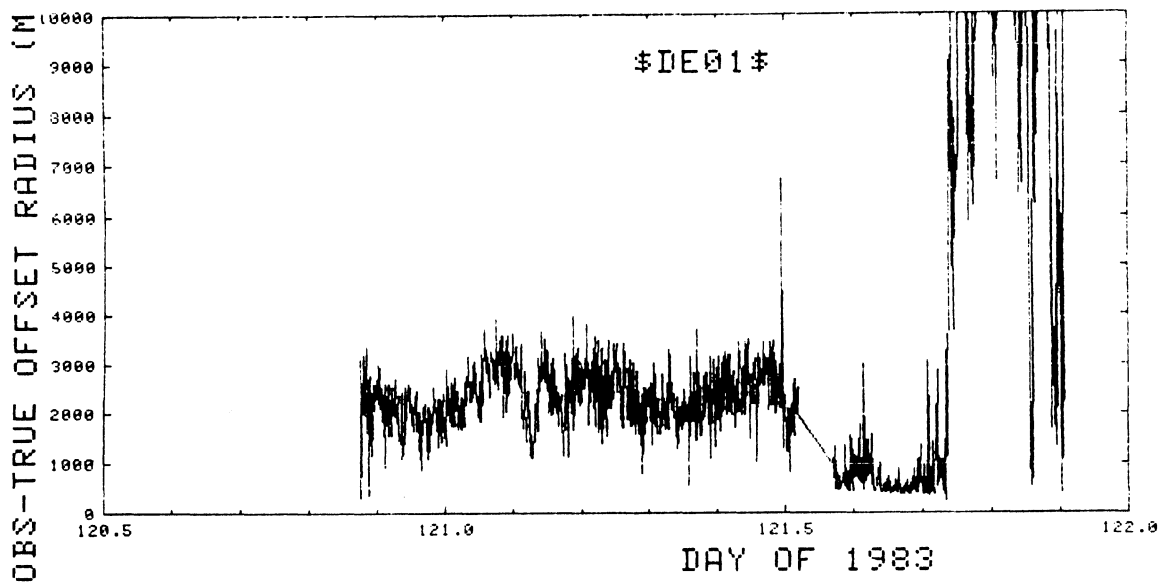


Figure 2-28
Decca Offset Magnitude: 1-Minute Data, Uncalibrated.

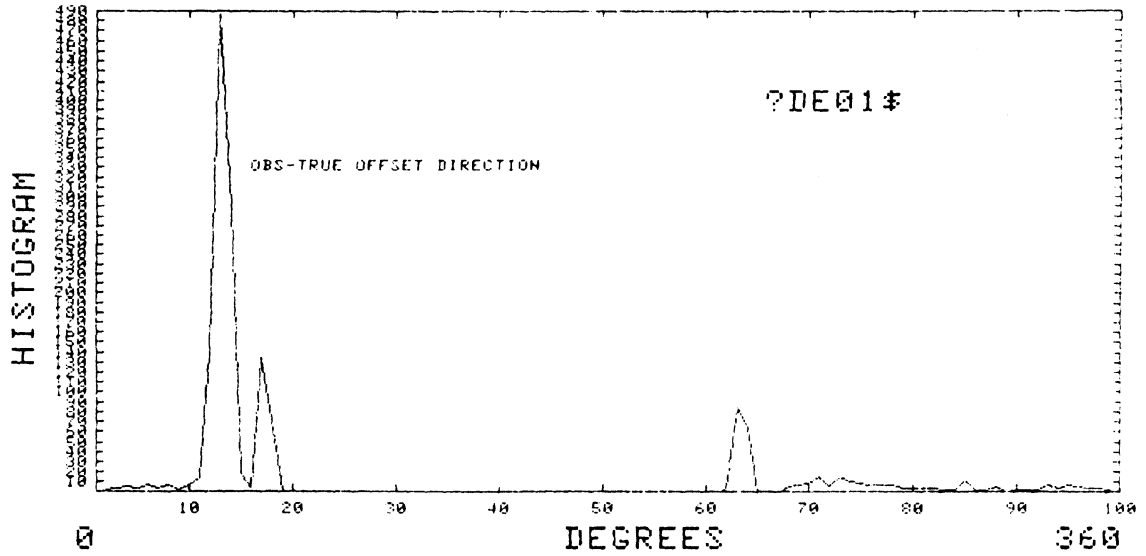
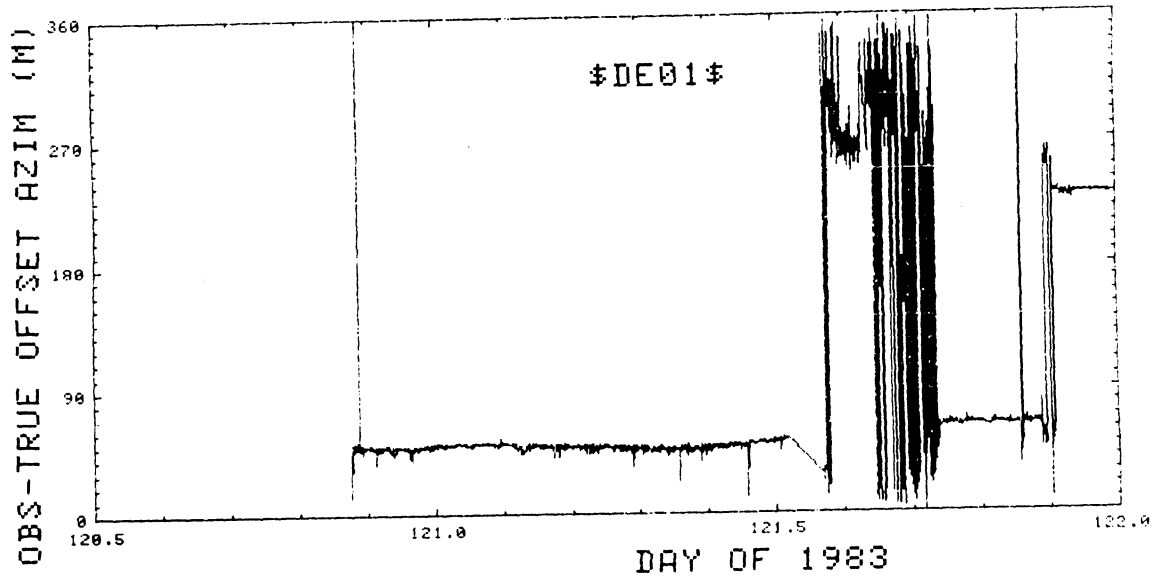


Figure 2-29
Decca Offset Directions: 1-Minute Data, Uncalibrated.

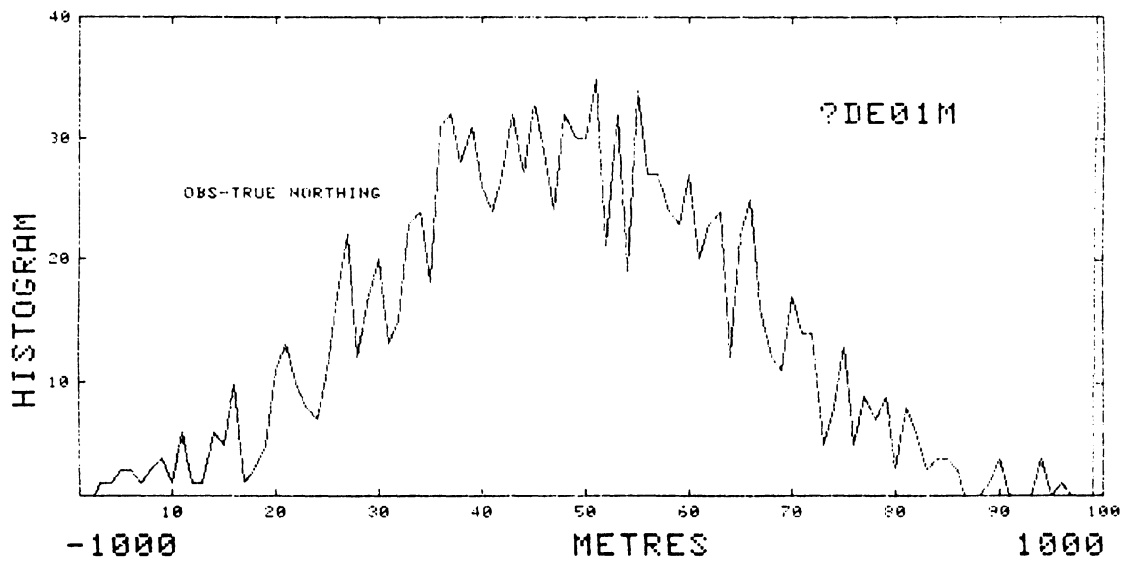
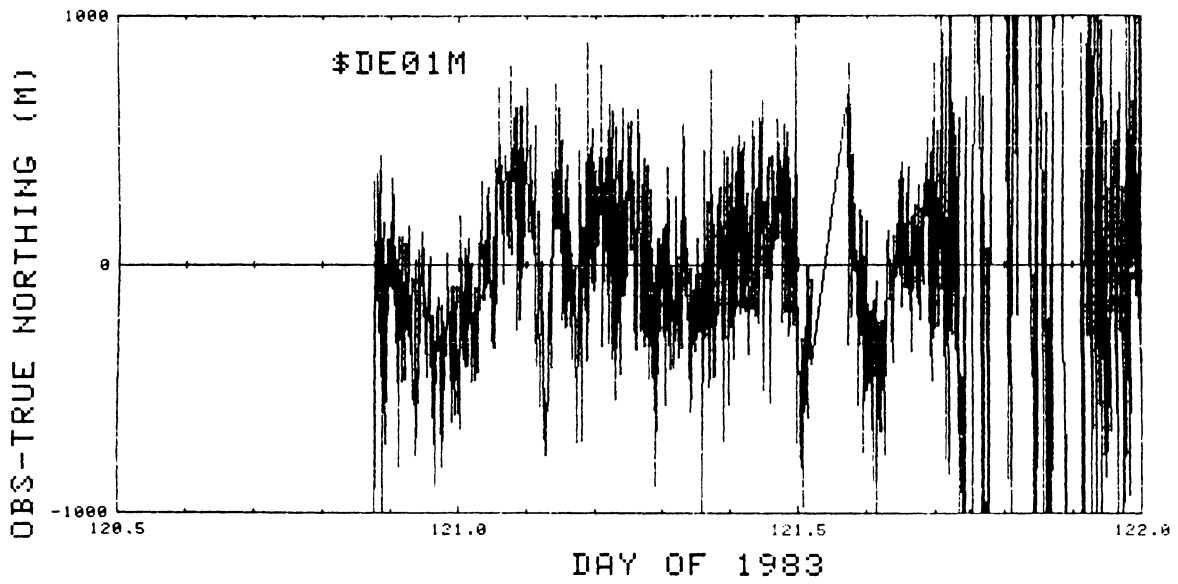


Figure 2-30
Decca Northing Offsets: 1-Minute Data, Calibrated.

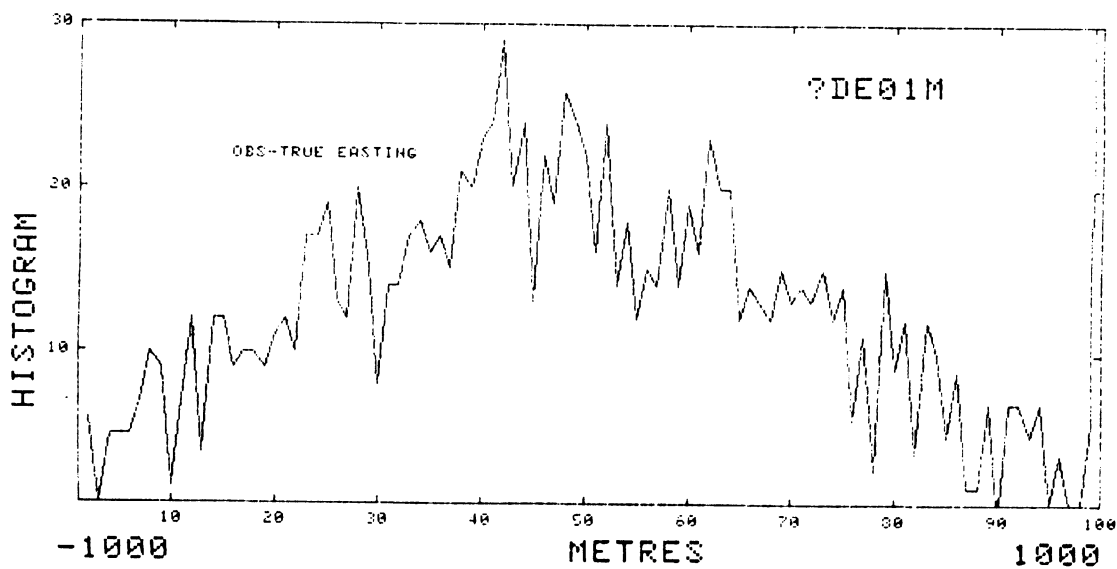
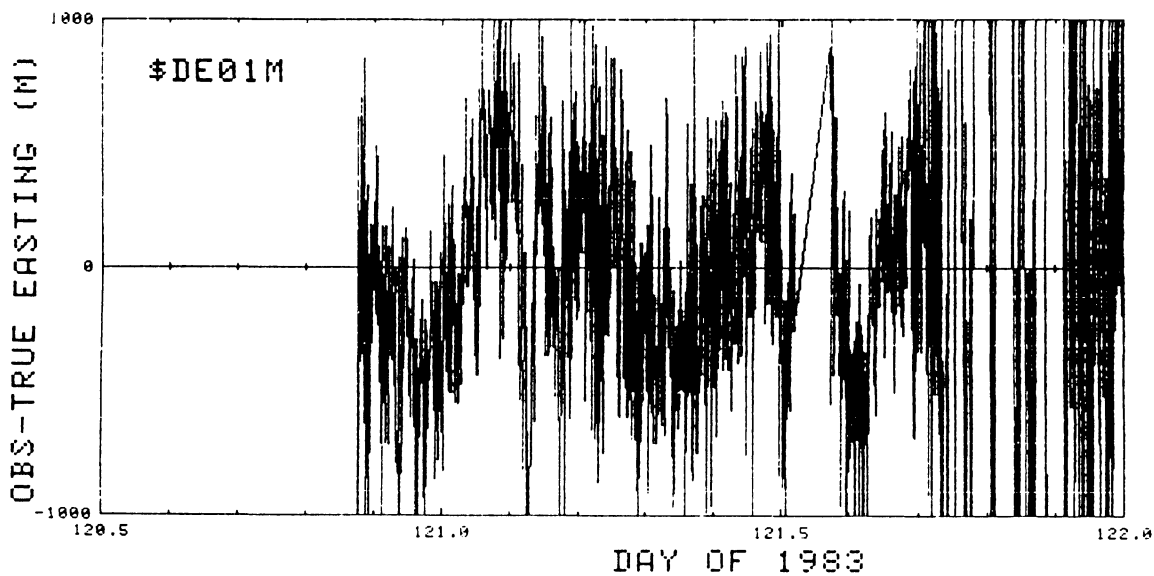


Figure 2-31
Decca Easting Offsets: 1-Minute Data, Calibrated.

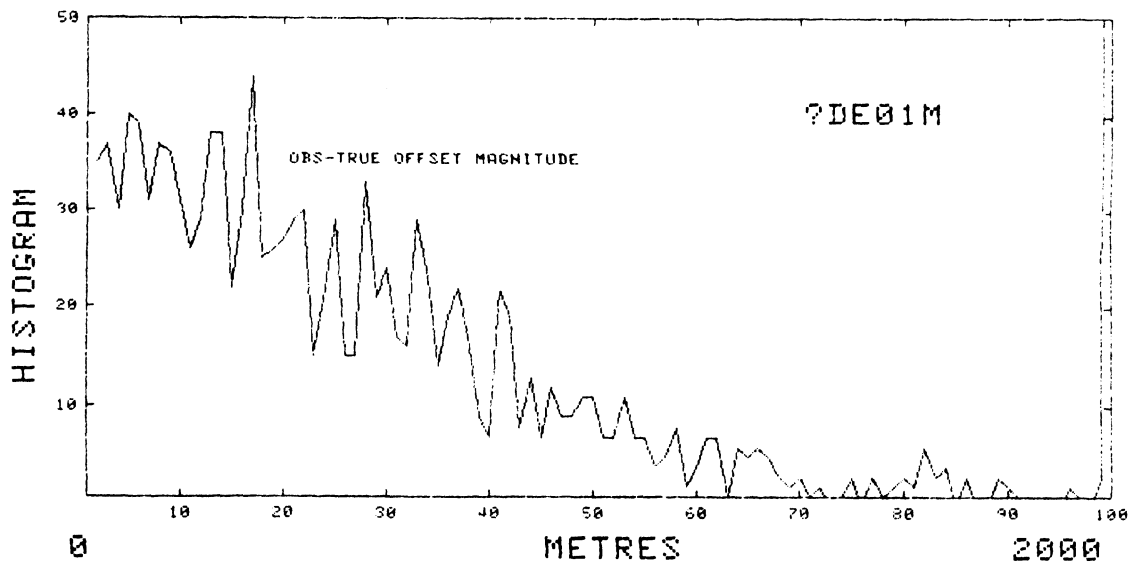
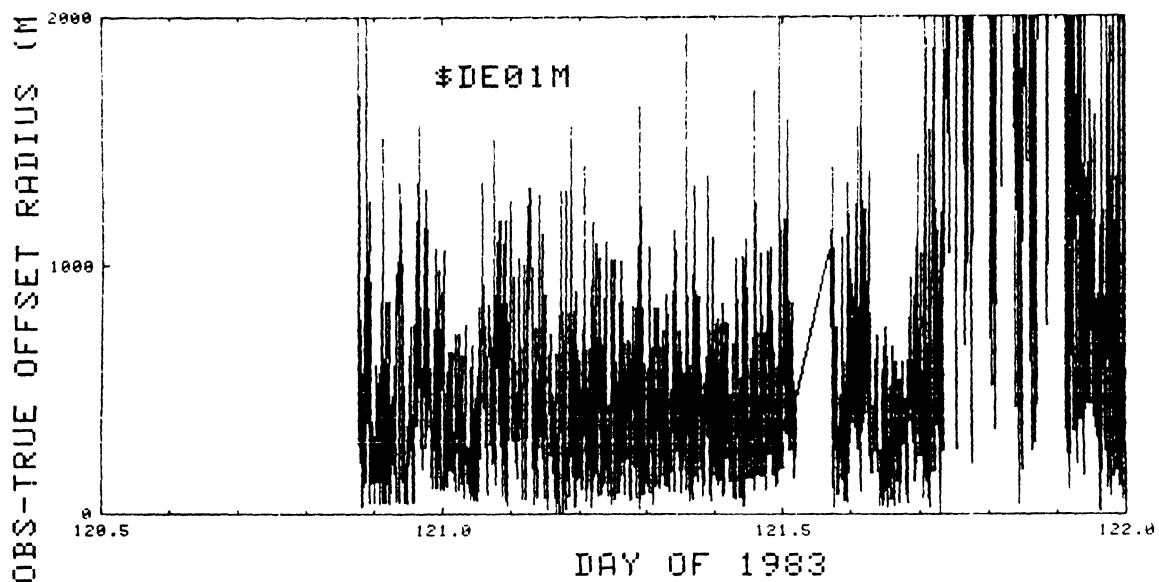


Figure 2-32

Decca Offset Magnitude: 1-Minute Data, Calibrated.

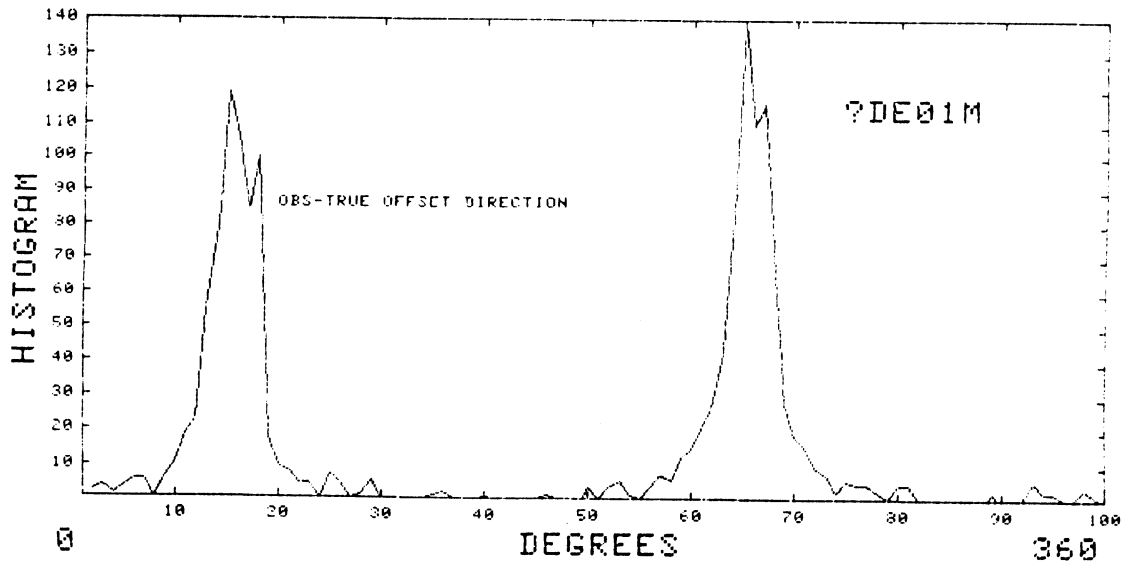
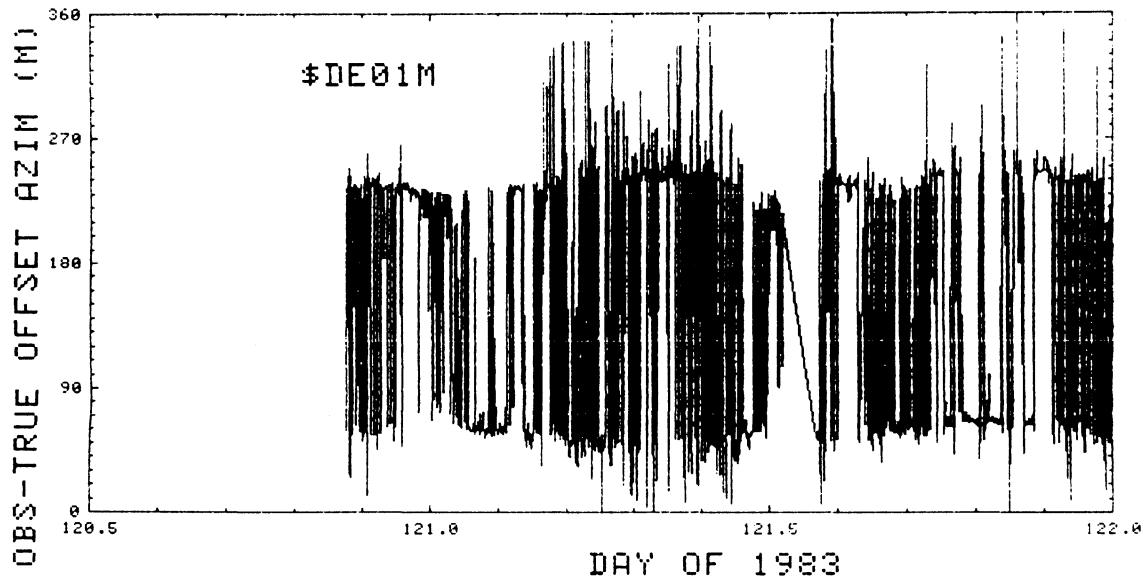


Figure 2-33
Decca Offset Direction: 1-Minute Data, Calibrated.

TABLE 2-6

Statistics of Decca Position Offsets From Transit.

Time Span	Calibrated?	Northing Offset		Easting Offset	
		Mean	Std Dev	Mean	Std Dev
115 2250 to 120 1930	No	2664 m	662 m	5061 m	940 m
115 2250 to 120 1930	Yes	- 10 m	321 m	- 27 m	418 m
120 2100 to 122 0020	No	1026 m	3481 m	1545 m	2404 m
120 2100 to 122 0020	Yes	- 31 m	352 m	- 34 m	444 m

CHAPTER 3

OMEGA

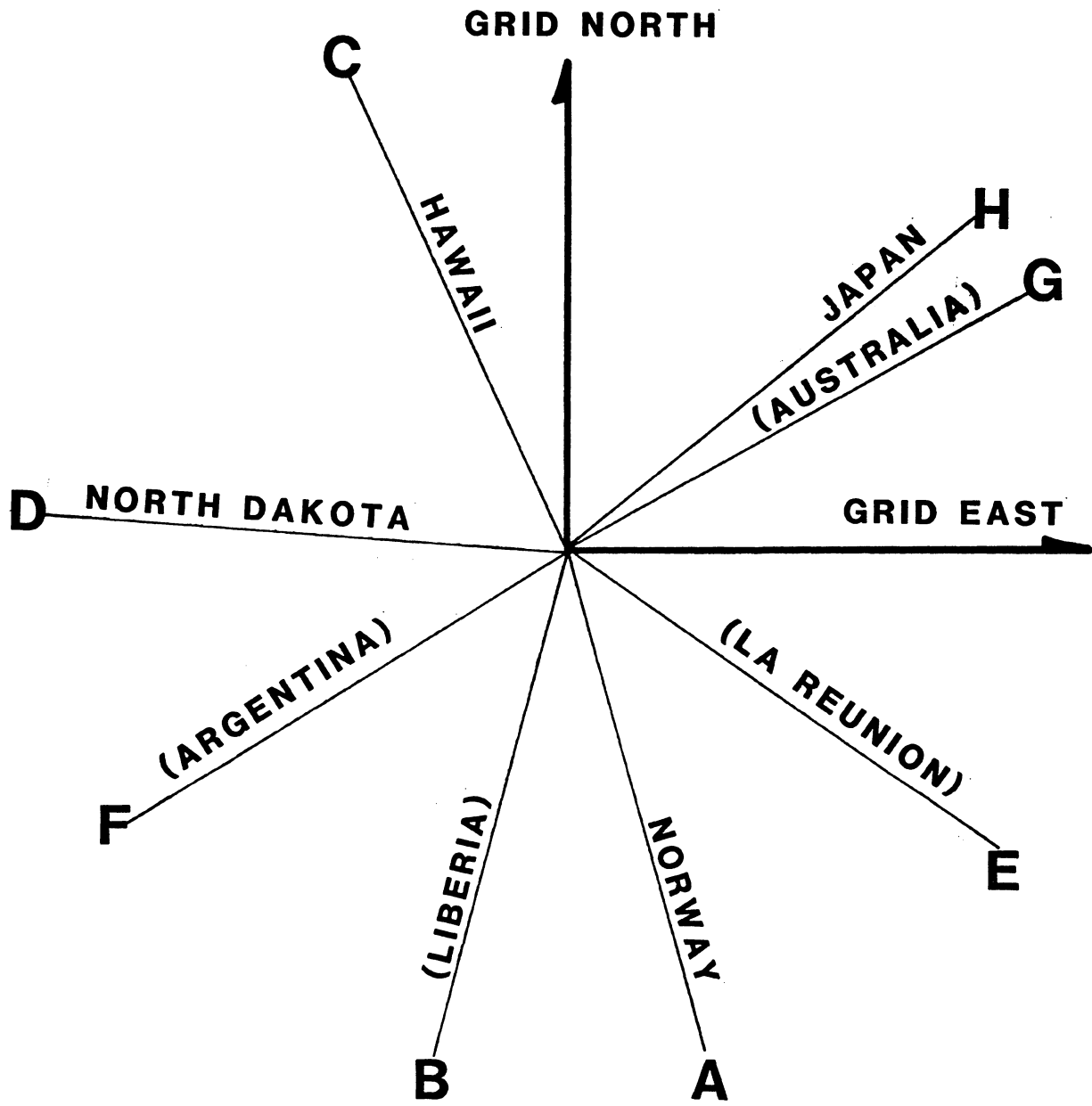
3.1 Geometry

Figure 3-1 shows the geometry of the CESAR camp, relative to all eight Omega stations, in the Polar Stereographic grid system. No information was available on which stations were actually used by the CMA 771 receiver (and which VLF stations were used as well). It is unlikely that the furthest stations (bracketted in the figure) were used, however.

3.2 Results

Time series plots and histograms of the offset between Omega and Transit positions, expressed both in Polar Stereographic coordinate differences and in magnitude and (grid) direction, are shown in Figures 3-2 to 3-9. Means and standard deviations of these results are given in Table 3-1.

Complete listings of observed and processed Omega data are contained in Appendix E.



OMEGA GEOMETRY

Figure 3-1
Omega Geometry at CESAR.

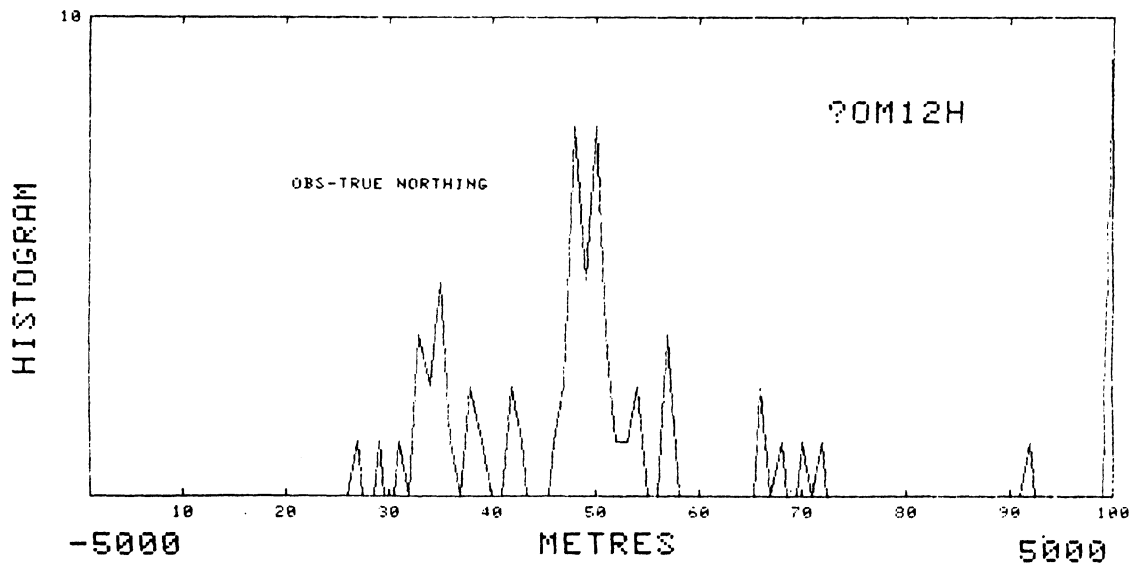
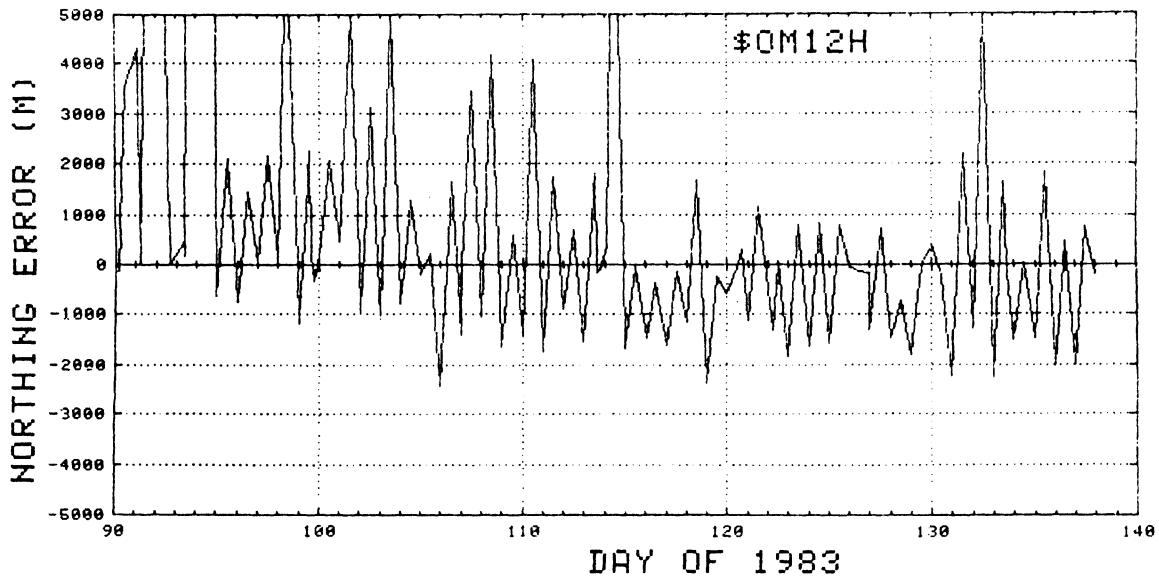


Figure 3-2
Omega Northing Offsets: 12-Hour Data.

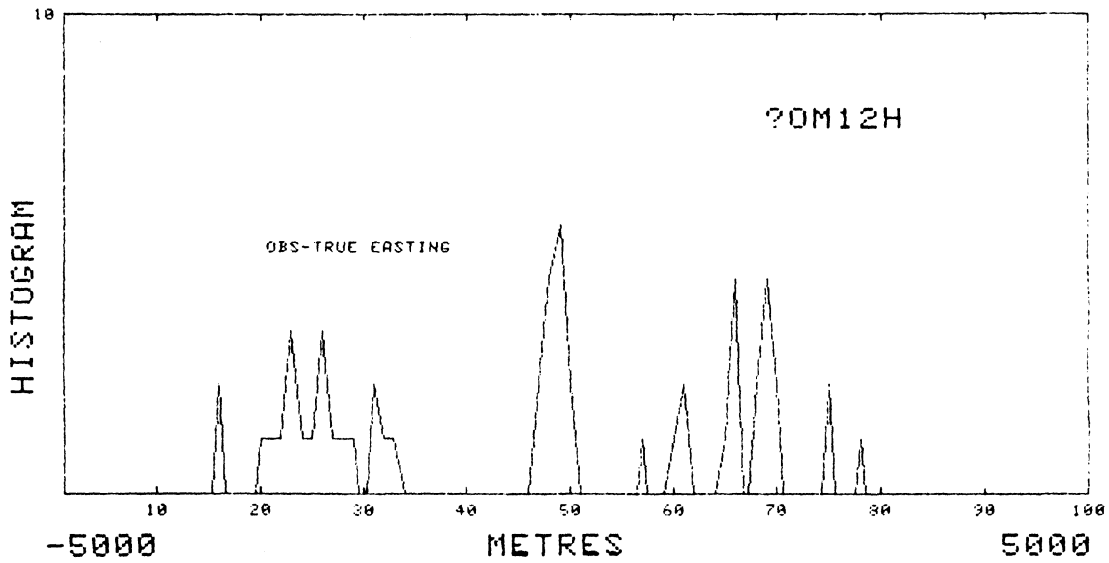
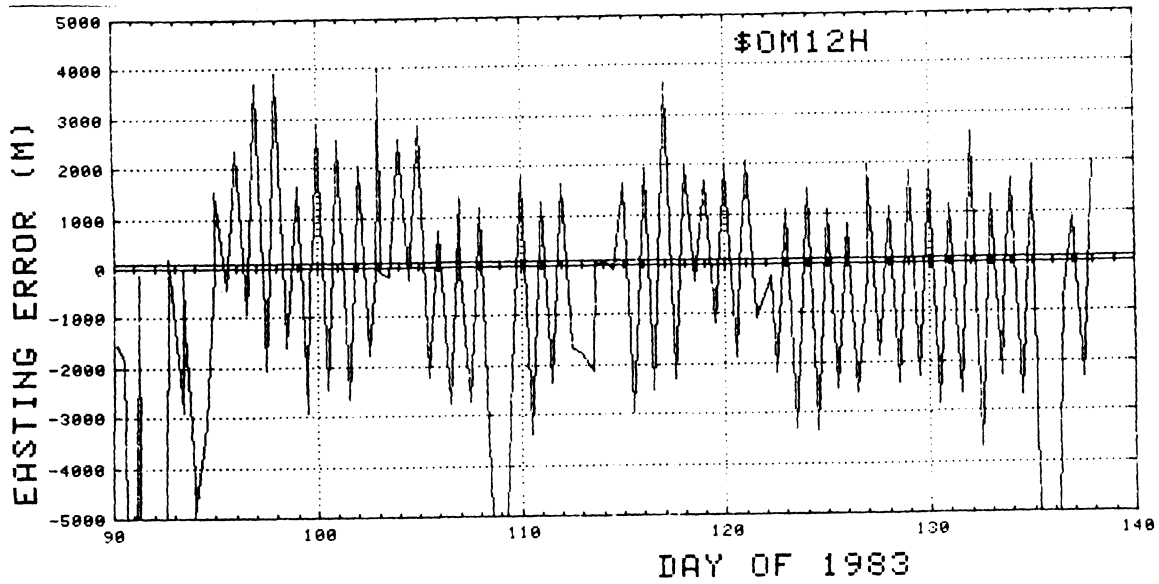


Figure 3-3
Omega Easting Offsets: 12-Hour data.

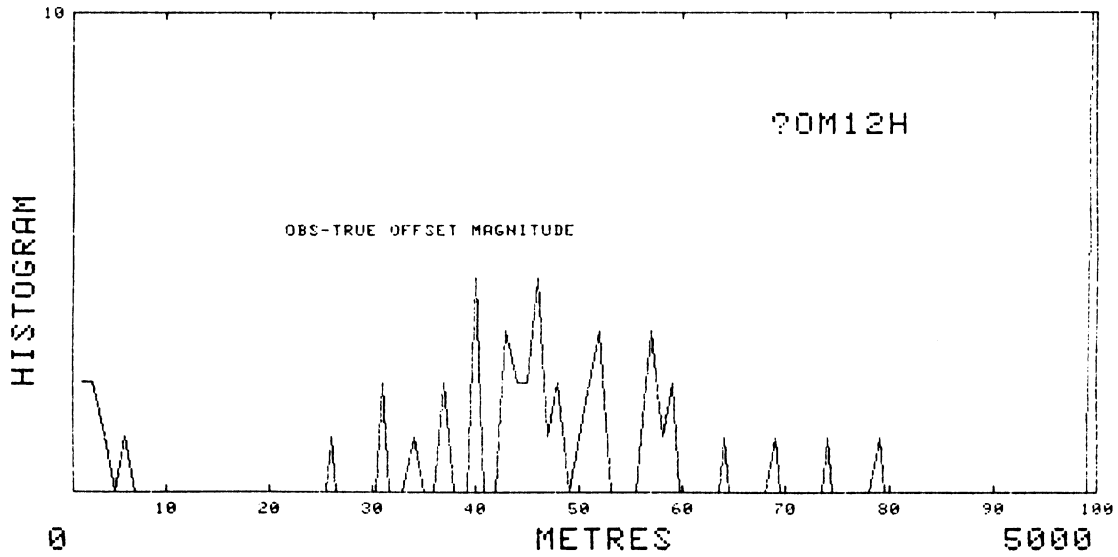
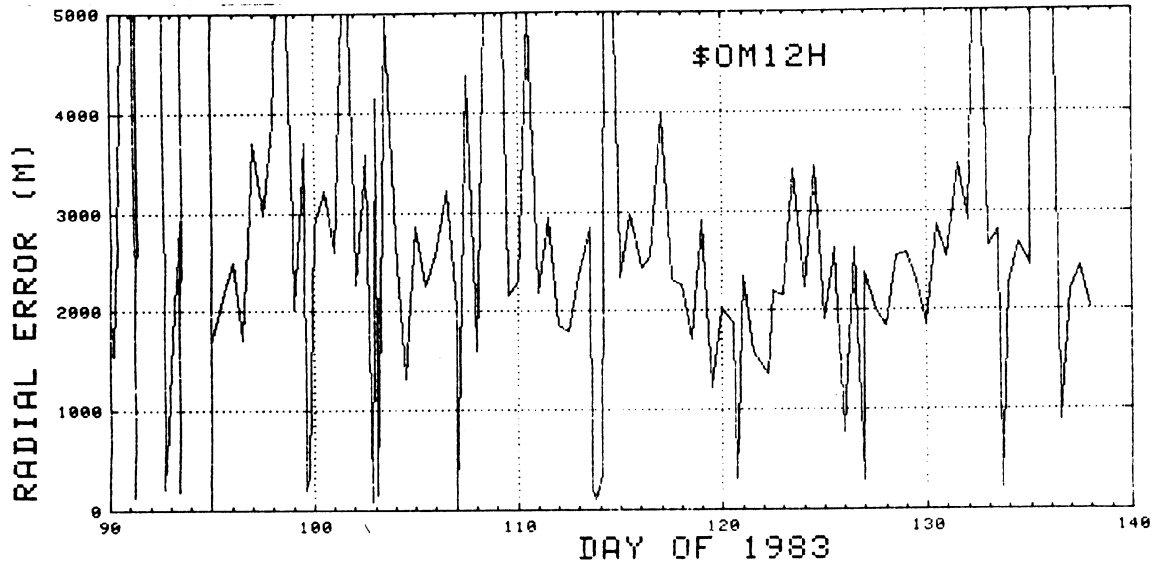


Figure 3-4

Omega Offset Magnitudes: 12-Hour Data.

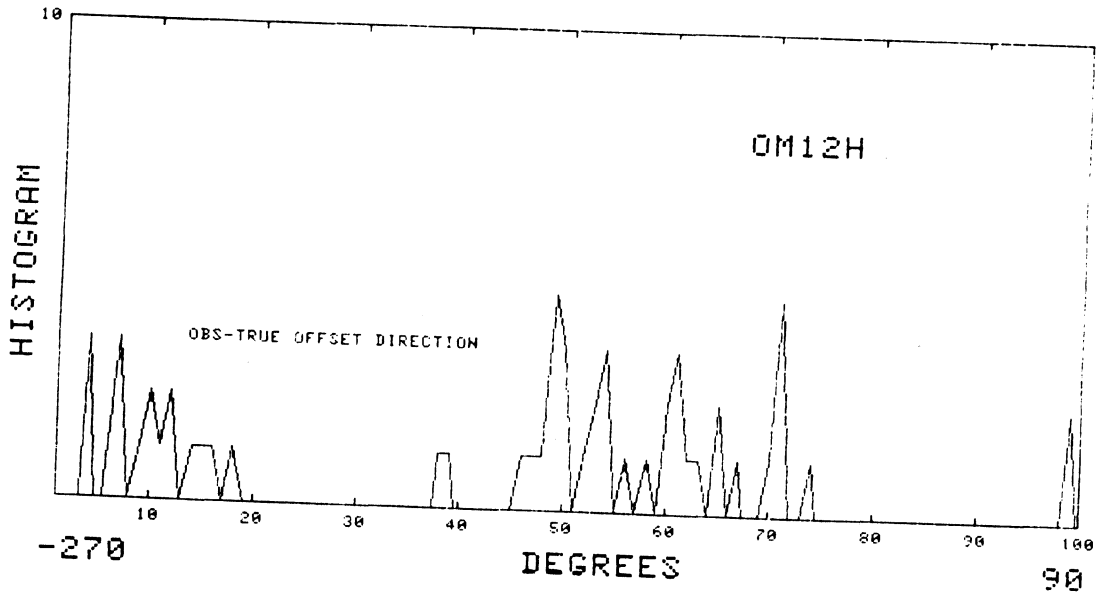
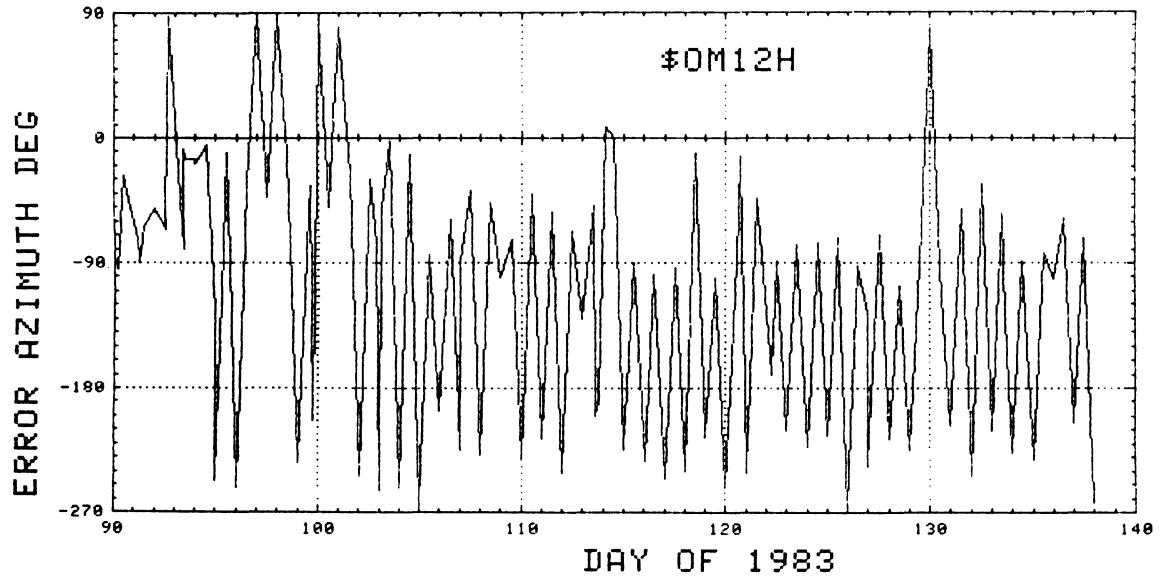


Figure 3-5
Omega Offset Directions: 12-Hour Data.

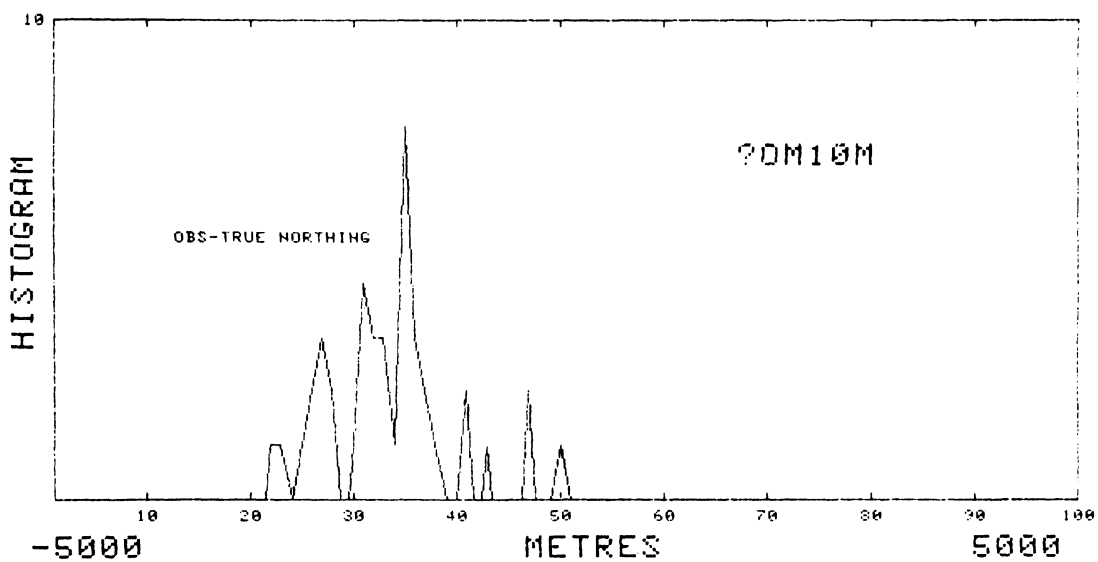
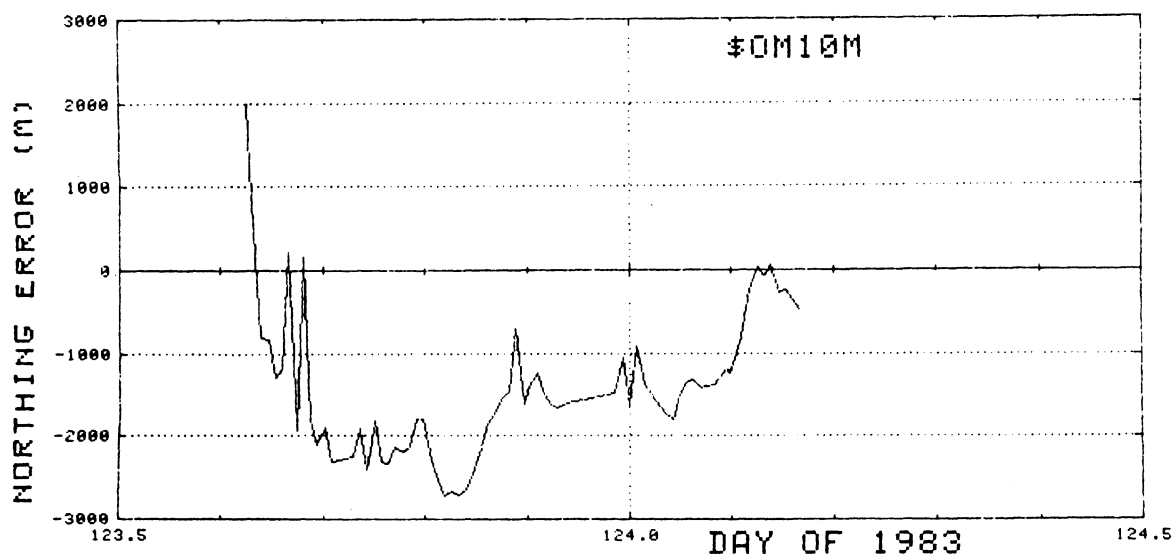


Figure 3-6
Omega Northing Offsets: 10-Minute Data.

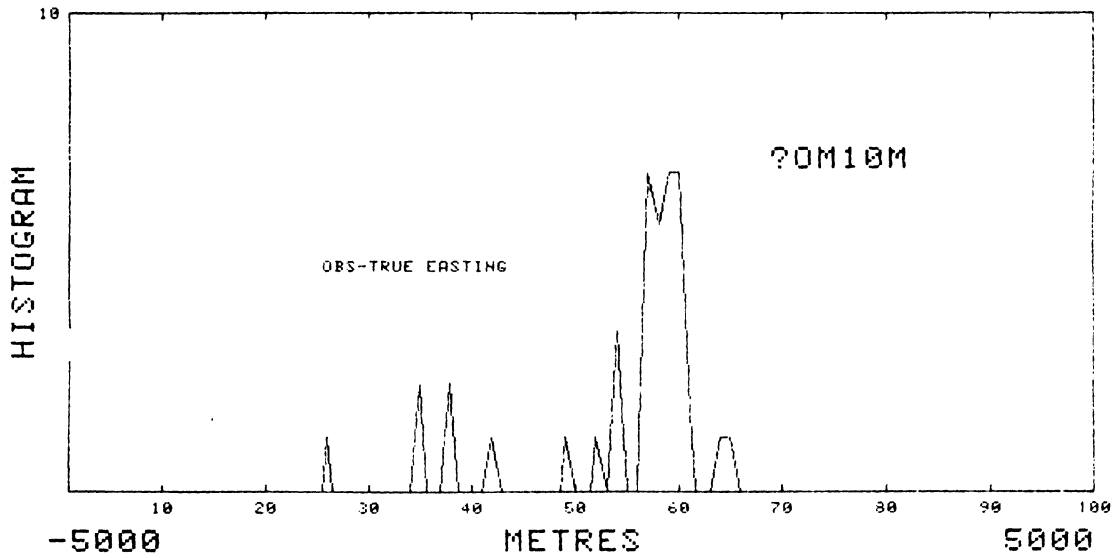
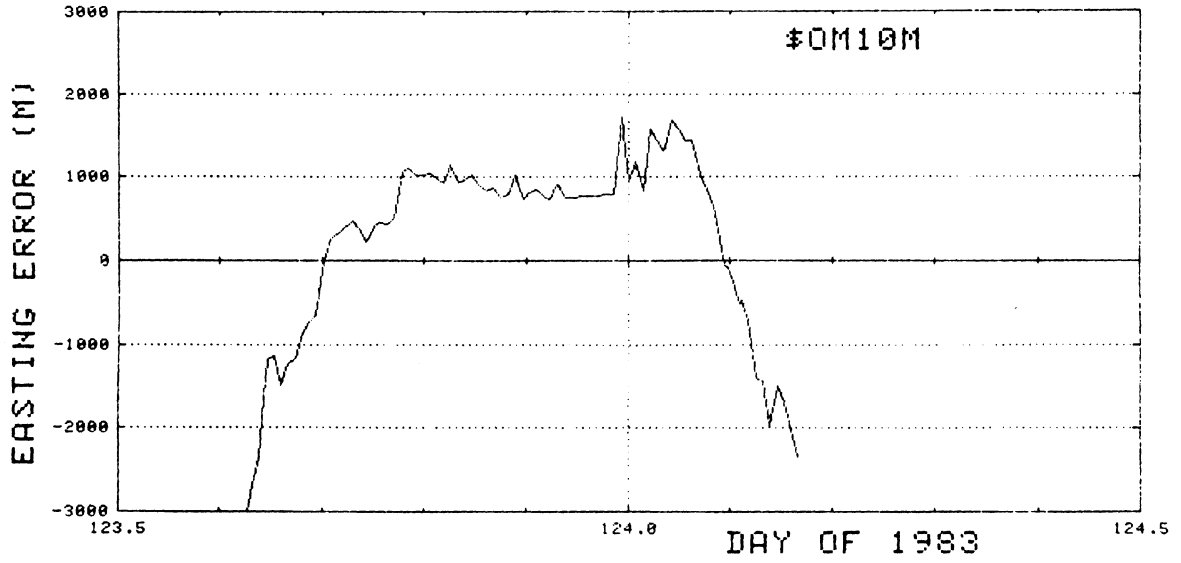


Figure 3-7

Omega Easting Offsets: 10-Minute Data.

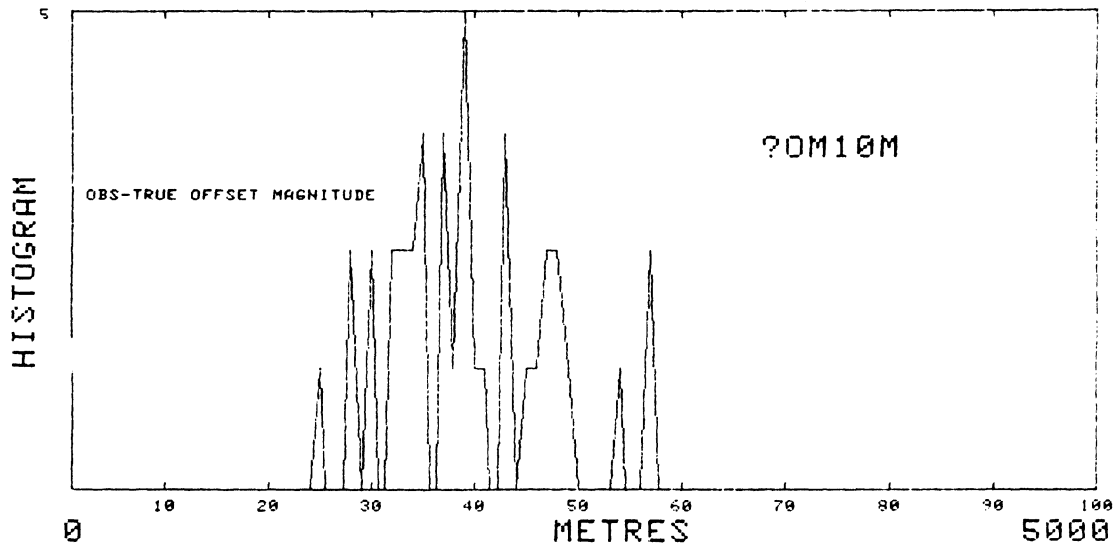
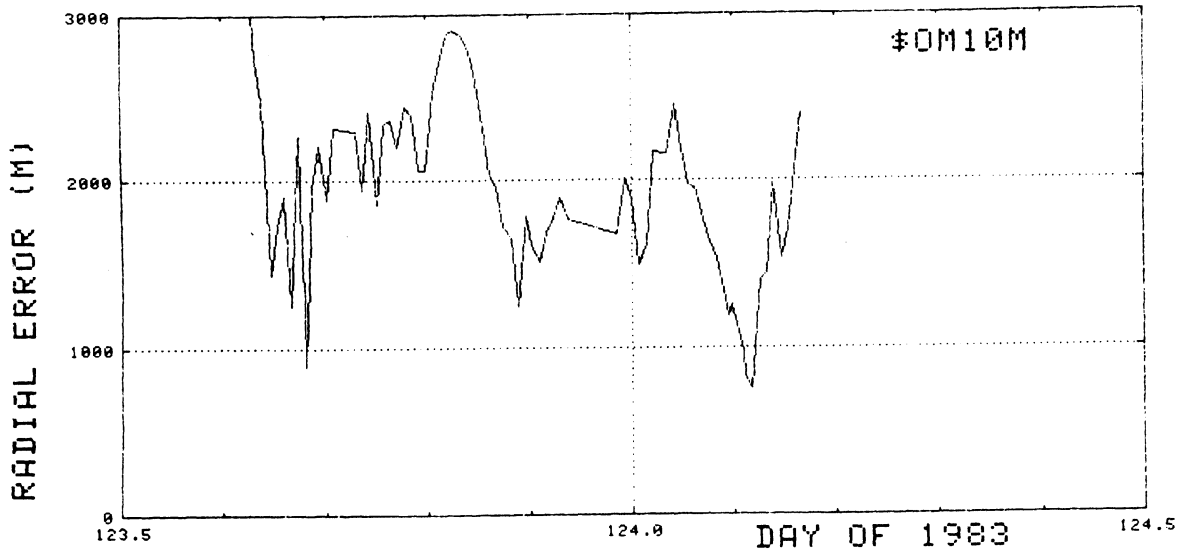


Figure 3-8
Omega Offset Magnitude: 10-Minute Data.

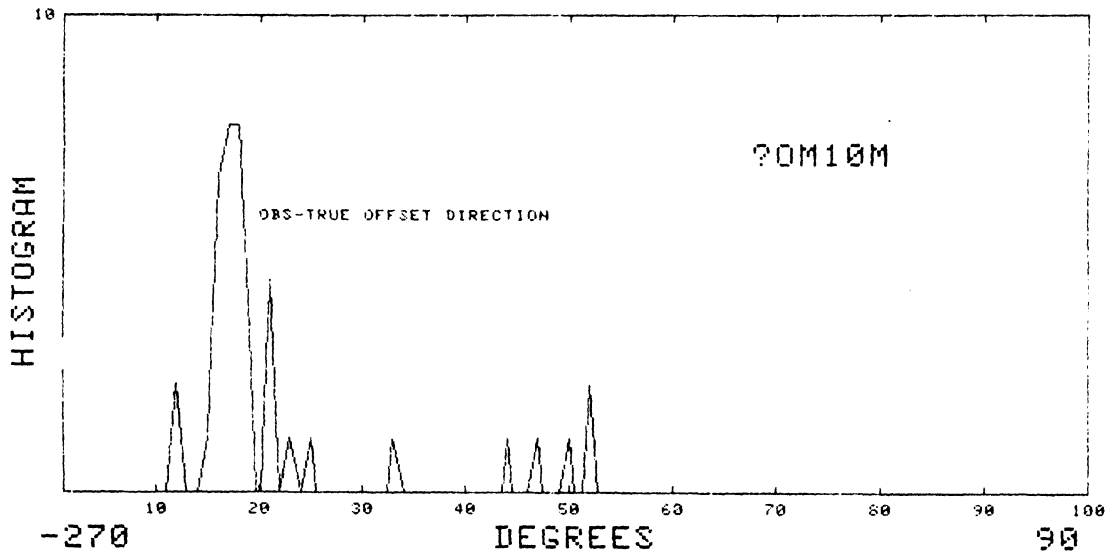
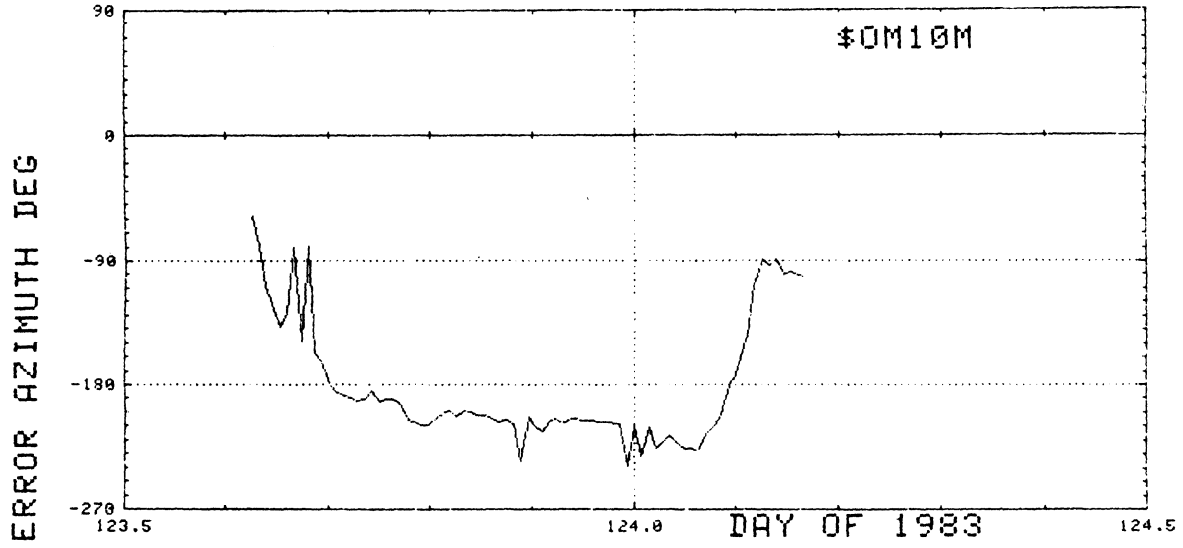


Figure 3-9

Omega Offset Magnitude: 10-Minute Data.

TABLE 3-1

Statistics of Omega Position Offsets From Transit.

Time Span	Interval	Northing Offset		Easting Offset	
		Mean	Std Dev	Mean	Std Dev
90 0330 to 138 0000	12 hour	107 m	1610 m	-294 m	2059 m
123 1500 to 124 0400	10 min.	-1414 m	873 m	192 m	1164 m

CHAPTER 4
CONCLUSIONS

The Decca chain used during CESAR produced observations at the CESAR camp which were biased by a few tenths of a lane (as well as two apparent lane slips). Treating these biases as calibration errors improves the agreement with Transit positions from a few thousand metres to a few hundred metres. Since a 0.01 shift in both Red and Green Decca readings results in a position shift of about 250 m at the CESAR camp, this is about as good as could be expected.

The Omega positions recorded manually during CESAR agree with Transit positions to within a few thousand metres. A strong diurnal signal is apparent in the Omega data, which presumably could be at least partly modelled out. The more detailed Omega data from CESAR being analyzed by Canadian Marconi Company may be useful in this respect.

REFERENCES

EMR,1982. Surveying Offshore Canada Lands. Third Edition.

MacDougall,R. 1983. Personal communication.

APPENDIX A

DESCRIPTION OF CESAR RADIOPOSITIONING MAGNETIC TAPE

This tape was created using the Hewlett Packard RTE-IVB utility program "SAVER". It can be read using "READR". The tape contains 25 files as described in Table A.1.

CESAR RADIOPOSITIONING EVALUATION
Description of files

File	Name	Blocks	Lines	Contents
1	"CESAR	8	41	This description
2	&CESAR	211	1377	FORTTRAN source for evaluation program
3	&HISTO	29	178	FORTTRAN source for histogram program
4	*CESAR	5	44	FMGR commands to compile,load,execute CESAR
5	(CESAR	2	33	SAVER commands
6	NO.REF	24	0	Dummy input file for CESAR (empty)
7	#SATNV	204	421	TRANSIT data: 3 hour interval 89 0652 to 143 0900
8	#SATNV	204	421	CESAR output: #SATNV input
9	*DECAL	2	11	HISTO input (DECCA calibration values)
10	#DE30M	113	259	DECCA data: 30 min interval 115 2251 to 120 1930
11	\$DE30\$	126	256	CESAR output: #DE30M input, uncalibrated
12	\$DE30M	124	259	CESAR output: #DE30M input, calibrated
13	?DE30\$	24	107	HISTO output: \$DE30\$ input
14	?DE30M	24	107	HISTO output: \$DE30M input
15	#DE01M	693	1562	DECCA data: 1 min interval 120 2100 to 122 0020
16	\$DE01\$	757	1540	CESAR output: #DE01M input, uncalibrated
17	\$DE01M	746	1562	CESAR output: #DE01M input, calibrated
18	?DE01\$	24	107	HISTO output: \$DE01\$ input
19	?DE01M	15	107	HISTO output: \$DE01M input
20	#OM12H	200	114	OMEGA data: 12 hour interval 90 0330 to 138 0000
21	\$OM12H	47	114	CESAR output: #OM12H input
22	?OM12H	12	107	HISTO output: \$OM12H input
23	#OM10M	11	71	OMEGA data: 10 min interval 123 1500 to 124 0400
24	\$OM10M	29	71	CESAR output: #OM10M input
25	?OM10M	12	107	HISTO output: \$OM10M input

RTE FILE SAVE 0434 26MAR84. 25 FILES. 3646.BLOCKS R=2048.
80.3 FEET AT 1600 BPI

Table A-1

APPENDIX B

PROGRAM LISTINGS

- B.1 Listing of program CESAR
- B.2 Listing of program HISTO
- B.3 Procedure file to process data
- B.4 Sample summary output from CESAR
- B.5 Sample output from HISTO

CESAR	30042	33004	REFORMAT CESAR DATA FILES	<840326.0748>
RECSA	33005	33766	READ-REFORMAT-WRITE SATNAV RECORDS	<840326.0748>
RECOM	33767	34603	READ-REFORMAT-WRITE OMEGA RECORDS	<840326.0748>
RECDE	34604	36613	READ-RECOMP FIX-REFORMAT-WRITE DECCA RECS	<840326.0748>
DECCA	36614	44104	LAT/LON TO DECCA AND VV - YELVERTON WGS-72	<840326.0748>
SPHRD	44105	45754	VINCENY GEODETIC INVERSE	<840326.0748>
REF	45755	46337	COMPARE NOR-EAS WITH REF VALUES	<840326.0748>
INREF	46340	47031	READ REFERENCE POSNS FROM LUREF	<840326.0748>
DAY	47032	47201	RTE TIME VECTOR TO DAYS	<840326.0748>
GTOPS	47202	47426	GEOGRAPHIC TO POLAR STEREOGRAPHIC	<840326.0748>
COEF	47427	47636	COEF OF TAN(ISOMETRIC SEMI-CO-LAT)	<840326.0748>
TISC	47637	50055	COLAT TO TAN(ISOMETRIC SEMI-COLAT)	<840326.0748>
TRANS	50056	50422	GEODETIC DATUM TRANSFORMATION	<840326.0748>
GEOAT	50423	51657	GEODETIC TO AVERAGE TERRESTRIAL	<840326.0748>
ATGEO	51660	53463	AVERAGE TERRESTRIAL TO GEODETIC	<840326.0748>
ROTRF	53464	54441	PRODUCT OF ROTATION/REFLECTION SEQUENCE	<840326.0748>
DEPS	54442	54537	SMALLEST DP NUMBER DISTINCT FROM 1	<840326.0748>

&CESAR T=00004 IS ON CR DW USING 00211 BLKS R=0000

```
0001 FTN4X
0002 $FILES(0,3)
0003 PROGRAM CESAR(3,99)
0004 $ ,REFORMAT CESAR DATA FILES (840326.0748)
0005 IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0006 DIMENSION IP(5),LINE(60),
0007 $ NAMR1(5),NAMR2(5),NAMR3(5)
0008 DATA PI /3.1415926535897D0/,
0009 $ NAMR1 /2H*S,2HAT,2HNV,2H:;,2HDW/,
0010 $ NAMR3 /2H*S,2HAT,2HNV,2H:;,2HDW/,
0011 $ LINE /60 * 2H /
0012 C$
0013 C
0014 C TYPE PROGRAM
0015 C
0016 C PURPOSE REFORMAT CESAR DATA FILES
0017 C
0018 C CALLING RUN,CESAR,LUCON,INPUT,FILE,NAME,ICAL
0019 C (DEFAULT= 1, *S, AT, NV, 0)
0020 C
0021 C PARAMETERS LUCON = CONSOLE LU
0022 C INPUT FILE NAME = 6 CHARACTER INPUT FILE NAME
0023 C ICAL = 0 DO NOT APPLY CALIBRATION TO DECCA
0024 C NONZERO APPLY CALIBRATION TO DECCA
0025 C$
0026 C SET UP RUN PARAMETERS
0027 CALL RMPAR(IP)
0028 LUCON = IP(1)
0029 IF(LUCON .EQ. 0) LUCON = 1
0030 ICAL = IP(5)
0031 IF(IP(2) .EQ. 0 .OR.
0032 $ IP(3) .EQ. 0 .OR.
0033 $ IP(4) .EQ. 0) GO TO 20
0034 DO 10 I = 1,3
0035 10 NAMR1(I) = IP(I+1)
0036 20 CONTINUE
0037 C
0038 NR = 2
0039 LUIN = 50
0040 LUOUT = 51
0041 LUREF = 52
0042 C INITIALIZE FILE NAME ARRAYS
0043 NAMR2(1) = IAND(2H$,177400B) + IAND(NAMR1(1),377B)
```

```

0044      DO 50 I = 2,5
0045      50  NAMR2(I) = NAMR1(I)
0046      IF(NAMR3(1) .NE. NAMR2(1) .OR.
0047      $  NAMR3(2) .NE. NAMR2(2) .OR.
0048      $  NAMR3(3) .NE. NAMR2(3) .OR.
0049      $  NAMR3(4) .NE. NAMR2(4) .OR.
0050      $  NAMR3(5) .NE. NAMR2(5)) GO TO 60
0051      NAMR3(1) = 2HNO
0052      NAMR3(2) = 2H,R
0053      NAMR3(3) = 2HEF
0054      60  CONTINUE
0055      WRITE(LUCON,1004) (IP(J),J=1,5),(NAMR1(J),J=1,5),
0056      $  (NAMR2(J),J=1,5),(NAMR3(J),J=1,5)
0057      C OPEN DISC FILES
0058      OPEN(LUIN ,FILE=NAMR1)
0059      OPEN(LUOUT,FILE=NAMR2)
0060      OPEN(LUREF,FILE=NAMR3)
0061      WRITE(LUCON,1005)
0062      C COPY FIRST INPUT HEADER LINE TO OUTPUT
0063      READ (LUIN, 1000) (LINE(J),J=1,60)
0064      WRITE(LUCON,1000) (LINE(J),J=1,60)
0065      WRITE(LUOUT,1000) (LINE(J),J=1,60)
0066      C LIST SECOND INPUT HEADER LINE
0067      READ (LUIN, 1000) (LINE(J),J=1,60)
0068      WRITE(LUCON,1000) (LINE(J),J=1,60)
0069      C GENERATE SECOND OUTPUT HEADER LINE
0070      IF(NAMR1(1) .EQ. 2H#S) WRITE(LUOUT,1010)
0071      IF(NAMR1(1) .EQ. 2H#O) WRITE(LUOUT,1011)
0072      IF(NAMR1(1) .EQ. 2H#D) WRITE(LUOUT,1012)
0073      C RETURN HERE TO READ NEXT LINE
0074      NLINE = 0
0075      70  CONTINUE
0076      IF(IFBRK(IDUM) .NE. 0) GO TO 80
0077      IF(NAMR1(1) .EQ. 2H#S) CALL RECSA(LUCON,LUIN,LUOUT,LUREF,
0078      $  NLINE,IEND)
0079      IF(NAMR1(1) .EQ. 2H#O) CALL RECOM(LUCON,LUIN,LUOUT,LUREF,
0080      $  NLINE,IEND)
0081      IF(NAMR1(1) .EQ. 2H#D) CALL RECDE(LUCON,LUIN,LUOUT,LUREF,
0082      $  NLINE,IEND,ICAL)
0083      IF(IEND .EQ. 0) GO TO 70
0084      80  CONTINUE
0085      WRITE(LUCON,1007) NLINE
0086      REWIND LUOUT
0087      DO 90 I = 1,12
0088      READ (LUOUT,1000) (LINE(J),J=1,60)

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0089          WRITE(LUCON,1000) (LINE(J),J=1,60)
0090      90    CONTINUE
0091  C
0092          CLOSE(LUIN)
0093          CLOSE(LUOUT)
0094          CLOSE(LUREF)
0095          WRITE(LUCON,1008)
0096  C
0097      1000  FORMAT(60A2)
0098      1004  FORMAT("1/CESAR. RUN,CESAR"14,1X,3A2,1X,I5/9X"INPUT  FILE= "5A2/
0099      $      9X"OUTPUT FILE= "5A2/9X"REF    FILE= "5A2)
0100      1005  FORMAT(" /CESAR. LIST INPUT FILE HEADER AND FIRST 10 RECORDS")
0101      1007  FORMAT(" /CESAR."14" LINES REFORMATTED AND WRITTEN TO",
0102      $      " OUTPUT FILE"//
0103      $      " /CESAR. LIST OUTPUT FILE HEADER AND FIRST 10 RECORDS")
0104      1008  FORMAT(" /CESAR STOP.")
0105      1010  FORMAT(" YEAR TIME-HMS TIME-DAYS NORTH LAT EAST LONG",
0106      $      " NORTHING EASTING VEL-NOR VEL-EAS",
0107      $      " HEIGHT DIST AZ SD-LA/LO/HT PAS")
0108      1011  FORMAT(" YEAR TIME-HMS TIME-DAYS NORTH LAT EAST LONG",
0109      $      " NORTHING EASTING ERR-NOR ERR-EAS ERR-RAD ERR-AZ")
0110      1012  FORMAT(" YEAR TIME-HMS TIME-DAYS NORTH LAT EAST LONG",
0111      $      " NORTHING EASTING ERNOR EREAS ERRAD ERR-AZ ",
0112      $      " RED GREEN ERRED ERGRN")
0113      END
0114
0115
0116          SUBROUTINE RECSA(LUCON,LUIN,LUOUT,LUREF,NLINE,IEND)
0117      $      ,READ-REFORMAT-WRITE SATNAV RECORDS      <840326.0748>
0118          IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0119          DIMENSION ITIME(6)
0120          DATA      ITIME /5*0,1983/,
0121      $      PI /3.1415926535897D0/,
0122      $      A3 /6378144D0/,
0123      $      B3 /298.23D0/
0124  C$
0125  C NAME      RECSA
0126  C
0127  C TYPE      SUBROUTINE
0128  C
0129  C PURPOSE    READS, REFORMATS, WRITES CESAR SATNAV RECORDS
0130  C
0131  C CALLING    CALL RECSA(LUCON,LUIN,LUOUT,LUREF,NLINE,IEND)
0132  C
0133  C PARAMETERS LUCON = CONSOLE LU

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0134 C          LUIN = INPUT DISC FILE LU
0135 C          LUOUT = OUTPUT DISC FILE LU
0136 C          LUREF = DISC FILE LU FOR REFERENCE POSITIONS
0137 C          NLINE = COUNT OF RECORDS PROCESSED
0138 C          IEND = END OF FILE FLAG (.NE. 0 FOR EOF)
0139 C          IEND = END OF FILE FLAG (.NE. 0 FOR EOF)
0140 C$
0141          IEND = 0
0142          READ(LUIN,1001,END=20) IPAS, (ITIME(7-I), I=2,4), NPAS,
0143          $          LAT, MLAT, SLAT, SDLAT, LON, MLON, SLON, SDLON,
0144          $          HT, SDHT, XNOR, XEAS, DIST, AZ, SPEED, HEAD
0145          NLINE = NLINE + 1
0146          IF(NLINE .LE. 10)
0147          $WRITE(LUCON,1001)          IPAS, (ITIME(7-I), I=2,4), NPAS,
0148          $          LAT, MLAT, SLAT, SDLAT, LON, MLON, SLON, SDLON,
0149          $          HT, SDHT, XNOR, XEAS, DIST, AZ, SPEED, HEAD
0150          YDAY = DAY(ITIME)
0151          YLAT = LAT + MLAT/60D0 + SLAT/360D0
0152          YLON = LON + MLON/60D0 + SLON/360D0
0153          CALL G TO PS(YLAT, YLON, YNOR, YEAS, A3, B3)
0154          VNOR = SPEED * COS(HEAD * PI / 180D0)
0155          VEAS = SPEED * SIN(HEAD * PI / 180D0)
0156          WRITE(LUOUT,1002)          (ITIME(7-I), I=1,4), YDAY, YLAT, YLON,
0157          $          YNOR, YEAS, VNOR, VEAS,
0158          $          HT, DIST, AZ, SDLAT, SDLON, SDHT, NPAS
0159          RETURN
0160          20 IEND = 1
0161          RETURN
0162          1001 FORMAT(I5, I4, 3I3, 2(I4, I3, F5.1, F5.0),
0163          $          F7.2, F5.2, 3F10.0, F9.2, F9.3, F8.2)
0164          1002 FORMAT(I5, I4, 2I3, F10.5, 2F12.7, 2F9.0, 2F8.0,
0165          $          F6.2, F7.0, F7.2, 2F4.0, F5.2, I3)
0166          END
0167
0168          SUBROUTINE RECOM(LUCON, LUIN, LUOUT, LUREF, NLINE, IEND)
0169          $          , READ-REFORMAT-WRITE OMEGA RECORDS          (840326.0748)
0170          IMPLICIT DOUBLE PRECISION (A-H, O-Z)
0171          DIMENSION          ITIME(6), X01(3), X02(3), PLH1(3), PLH2(3)
0172          EQUIVALENCE          (YLAT, PLH1(1)),          (YLON, PLH1(2)),
0173          $          (ZLAT, PLH2(1)),          (ZLON, PLH2(2))
0174          $
0175          DATA          ITIME /5*0, 1983/,
0176          $          A1 /6378145D0/,
0177          $          B1 /298.25D0/,
0178          $          X01 /3 * 0D0/,

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0179      $           A2    /6378145D0/,
0180      $           B2    /298.25D0/,
0181      $           X02   /3 * 0D0/,
0182      $           A3    /6378144D0/,
0183      $           B3    /298.23D0/
0184      C$
0185      C NAME          RECOM
0186      C
0187      C TYPE          SUBROUTINE
0188      C
0189      C PURPOSE        READS, REFORMATS, WRITES CESAR OMEGA RECORDS
0190      C
0191      C CALLING        CALL RECOM(LUCON,LUIN,LUOUT,LUREF,NLINE,IEND)
0192      C
0193      C PARAMETERS     LUCON = CONSOLE LU
0194      C                  LUIN = INPUT DISC FILE LU
0195      C                  LUOUT = OUTPUT DISC FILE LU
0196      C                  LUREF = DISC FILE LU FOR REFERENCE POSITIONS
0197      C                  NLINE = COUNT OF RECORDS PROCESSED
0198      C                  IEND = END OF FILE FLAG (.NE. 0 FOR EOF)
0199      C$
0200          PLH1(3) = 0D0
0201          IEND = 0
0202          READ(LUIN,1001,END=20) (ITIME(7-I),I=1,4),LAT,XLAT,LON,XLON
0203          NLINE = NLINE + 1
0204          IF(NLINE .LE. 10)
0205              $WRITE(LUCON,1001)      (ITIME(7-I),I=1,4),LAT,XLAT,LON,XLON
0206          YDAY = DAY(ITIME)
0207          YLAT = LAT + XLAT/60D0
0208          YLON = LON + XLON/60D0
0209          YLON = 360D0 - YLON
0210          CALL TRANS(LUCON,A1,B1,X01,PLH1,A2,B2,X02,PLH2)
0211          IF(ZLON .LT. 0D0) ZLON = 360D0 + ZLON
0212          CALL G TO PS(ZLAT,ZLON,ZNOR,ZEAS,A3,B3)
0213          CALL REF(LUREF,YDAY,ZNOR,ZEAS,DNOR,DEAS,DRAD,DAZ,QLAT,QLON)
0214          WRITE(LUOUT,1002)      (ITIME(7-I),I=1,4),YDAY,ZLAT,ZLON,
0215              $                  ZNOR,ZEAS,DNOR,DEAS,DRAD,DAZ
0216          RETURN
0217          20 IEND = 1
0218          RETURN
0219          1001 FORMAT(I5,I4,I3,1X,I2,I3,F5.1,I4,F5.1)
0220          1002 FORMAT(I5,I4,2I3,F10.5,2F12.7,2F9.0,3F8.0,FB.2)
0221          END
0222
0223

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0224      SUBROUTINE RECDE(LUCON,LUIN,LUOUT,LUREF,NLINE,IEND,ICAL)
0225      $ ,READ-RECOMP FIX-REFORMAT-WRITE DECCA RECS (840326.0748)
0226      IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0227      DIMENSION      ITIME(6),X01(3),X02(3),PLH1(3),PLH2(3),
0228      $              ICHAN(2),ISEC(2),IZON(2),ALANE(2),WEIT(2),
0229      $              GRAD(2), DISTM(2),DISTS(2),
0230      $              CALR(10),CALG(10),CALT(10)
0231      EQUIVALENCE (YLAT,PLH1(1)),      (YLON,PLH1(2)),
0232      $           (ZLAT,PLH2(1)),      (ZLON,PLH2(2))
0233      DATA          ITIME /5*0,1983/,
0234      $              A1   /6378206.4D0/,
0235      $              B1   /6356588.8D0/,
0236      $              X01  /-8D0, 169D0, 176D0/,
0237      $              A2   /6378145D0/,
0238      $              B2   /298.25D0/,
0239      $              X02  /3 * 0D0/,
0240      $              A3   /6378144D0/,
0241      $              B3   /298.23D0/,
0242      C DECCA CALIBRATION VALUES
0243      $ CALR /.50D0, .00D0, -.17D0, 1.05D0, -.04D0,5*0D0/,
0244      $ CALG /.08D0, .15D0, .08D0, .10D0, -.91D0,5*0D0/,
0245      $ CALT /115D0,120.85D0,121.55D0,121.736D0,121.91D0,5*999D0/
0246      C$
0247      C NAME          RECDE
0248      C
0249      C TYPE          SUBROUTINE
0250      C
0251      C PURPOSE       READS, REFORMATS, WRITES CESAR DECCA RECORDS
0252      C
0253      C CALLING       CALL RECDE(LUCON,LUIN,LUOUT,LUREF,NLINE,IEND)
0254      C
0255      C PARAMETERS    I LUCON = CONSOLE LU
0256      C                I LUIN  = INPUT DISC FILE LU
0257      C                I LUOUT = OUTPUT DISC FILE LU
0258      C                I LUREF = DISC FILE LU FOR REFERENCE POSITIONS
0259      C                I CALR  = DECCA RED CALIBRATION CORRECTION (LANES)
0260      C                I CALG  = DECCA GREEN CALIBRATION CORRECTION (LANES)
0261      C                O NLINE = COUNT OF RECORDS PROCESSED
0262      C                O IEND  = END OF FILE FLAG (.NE. 0 FOR EOF)
0263      C                I ICAL  = DECCA CALIBRATION SWITCH (0=DO NOT APPLY)
0264      C$
0265      PLH1(3) = 0D0
0266      IEND = 0
0267      DO 10 J = 1,2
0268      ICHAN(J) = 1

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0269         ISEC(J) = 0
0270         WEIT(J) = 1D0
0271     10  CONTINUE
0272         IWCL = 0
0273         MREDS = 2
0274 C READ AND LIST INPUT RECORD
0275     READ(LUIN,1001,END=20) LAT,MLAT,SLAT,LON,MLON,SLON,
0276     $                       IZON(2),ALANE(2),IZON(1),ALANE(1),
0277     $                       (ITIME(7-I),I=3,5),ITIME(5),ITIME(6)
0278         NLINE = NLINE + 1
0279         IF(NLINE .LE. 10)
0280     $WRITE(LUCON,1001)     LAT,MLAT,SLAT,LON,MLON,SLON,
0281     $                       IZON(2),ALANE(2),IZON(1),ALANE(1),
0282     $                       (ITIME(7-I),I=3,5),ITIME(5),ITIME(6)
0283 C DECCA CALIBRATION CORRECTION (OR IF YOU PREFER - FUDGE FACTOR)
0284     YDAY = DAY(ITIME)
0285     DO 15 I = 1,10
0286     IF(YDAY .LT. CALT(I)) GO TO 18
0287     15  CONTINUE
0288         I = 11
0289     18  CONTINUE
0290 D   WRITE(LUCON,1009) CALR(I-1),CALG(I-1)
0291     1009 FORMAT(" CAL"2F6.2)
0292     IF(ICAL .NE. 0) ALANE(1) = ALANE(1) - CALR(I-1)
0293     IF(ICAL .NE. 0) ALANE(2) = ALANE(2) - CALG(I-1)
0294 C
0295     YDAY = DAY(ITIME)
0296     YGRN = (IAND(IZON(2),77400B)/256-101B) * 18D0 + (ALANE(2)-30D0)
0297     YRED = (IAND(IZON(1),77400B)/256-101B) * 30D0 + (ALANE(1)- 0D0)
0298 C CONVERT INPUT RECORD LAT/LON TO POLAR STEREOGRAPHIC
0299     YLAT = LAT + MLAT/60D0 + SLAT/3600D0
0300     YLON = LON + MLON/60D0 + SLON/3600D0
0301     YLON = 360D0 - YLON
0302     CALL TRANS(LUCON,A1,B1,X01,PLH1,A2,B2,X02,PLH2)
0303     IF(ZLON .LT. 0D0) ZLON = 360D0 + ZLON
0304     CALL G TO PS(ZLAT,ZLON,ZNOR,ZEAS,A3,B3)
0305 C RECOMPUTE DECCA FIX, CONVERT TO POLAR STEREOGRAPHIC, AND COMPARE
0306     ALAT = ZLAT
0307     ALON = ZLON
0308     CALL DECCA(LUCON,IWCL,2,A2,B2,
0309     $         MREDS,ICHAN,ISEC,IZON,ALANE,WEIT,GRAD,DISTM,DISTS,
0310     $         ALAT,ALON,VAR,SIGLAT,SIGLON,ITER,IERR)
0311     IF(IERR .NE. 0) GO TO 30
0312     CALL G TO PS (ALAT,ALON,ANOR,AEAS,A3,B3)
0313     DELNOR = ANOR - ZNOR

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0314         DELEAS = AEAS - ZEAS
0315 C COMPARE RECOMPUTED FIX WITH SATNAV REFERENCE AND WRITE TO DISK
0316 CALL REF(LUREF,YDAY,ANOR,AEAS,DNOR,DEAS,DRAD,DAZ,QLAT,QLON)
0317 IF(DAZ .LT. 0D0) DAZ = DAZ + 360D0
0318 CALL DECCA(LUCON,IWCL,1,A2,B2,
0319 $          MREDS,ICHAN,ISEC,IZON,ALANE,WEIT,GRAD,DISTM,DISTS,
0320 $          QLAT,QLON,VAR,SIGLAT,SIGLON,ITER,IERR)
0321 IF(IERR .NE. 0) GO TO 30
0322 ZGRN = (IAND(IZON(2),77400B)/256-101B) * 18D0 + (ALANE(2)-30D0)
0323 ZRED = (IAND(IZON(1),77400B)/256-101B) * 30D0 + (ALANE(1)- 0D0)
0324 C DECCA OBSERVATION ERROR (OBS - TRUE) IN LANES
0325 DGRN = YGRN - ZGRN
0326 DRED = YRED - ZRED
0327 C WRITE(LUCON,1004) DELNOR,DELEAS,DRED,DGRN
0328 C1004 FORMAT(6F10.3)
0329 WRITE(LUOUT,1002)      (ITIME(7-I),I=1,4),YDAY,ALAT,ALON,
0330 $                      ANOR,AEAS,DNOR,DEAS,DRAD,DAZ,
0331 $                      YRED,YGRN,DRED,DGRN
0332 RETURN
0333 C END OF FILE
0334     20 IEND = 1
0335 RETURN
0336 C DECCA FIX ERROR
0337     30 WRITE(LUCON,1005) IERR
0338     NLINE = NLINE - 1
0339 RETURN
0340 1001 FORMAT(2I3,F7.3,I5,I3,F7.3,2X,A1,1X,F5.2,4X,A1,1X,F5.2,6X,
0341 $          3(1X,I2),5X,I4,1X,I5)
0342 1002 FORMAT(I5,I4,2I3,3F10.5,2F9.0,2F8.0,F7.0,F7.1,2F7.2,2F6.2)
0343 1005 FORMAT(" DECCA ERROR"i6)
0344 END
0345
0346 SUBROUTINE DECCA(LU,IWCL,MODE,AE,F,
0347 $              MREDS,ICHAN,ISEC,IZON,ALANE,WEIT,GRAD,DISTM,DISTS,
0348 $              ALAT,ALON,VAR,SIGLAT,SIGLON,ITER,IERR)
0349 $ ,LAT/LON TO DECCA AND VV - YELVERTON WGS-72 (840326.0748)
0350 IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0351 DIMENSION SLAT(20), SLON(20), ALWTH(20), BLIN(20),
0352 $          LANE1(3), NLANE(3), ICHIN(10), ICHOU(5),
0353 $          NAMES(15,20), NAM1(120), NAM2(180),
0354 $          ISLA(15), IMAS(15), ODR(15), CDR(15),
0355 C
0356 $          ICHAN(1), ISEC(1), IZON(1), ALANE(1),
0357 $          WEIT(1), GRAD(1), DISTM(1), DISTS(1)
0358 C

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0359      EQUIVALENCE (NAM1,NAMES), (NAM2,NAMES(1,9))
0360      DATA      PI      /3.141592653589D0/,
0361 C      $      AE      /6378206.4D0/,
0362 C      $      F      /294.98D0/,
0363      $      EPS      /1.6D-05/,
0364      $      PI      /3.14159265359D0/,
0365      $      NITER     /20/,
0366      DATA      LANE1   /0, 30, 50 /,
0367      $      NLANE     /24, 18, 30/,
0368      DATA      ICHIN   /5,4,0,0,0,2,1,0,3,0/,
0369      $      ICHOU     /7,6,9,2,1/,
0370 C DECCA TRANSMITTER LATITUDES (NAD-27 EXCEPT FOR YELVERTON)
0371      DATA SLAT/ 44.56715333D0, 45.65402695D0, 43.70289111D0,
0372      $      44.96462333D0,
0373      $      47.35723055D0, 47.63251333D0, 45.73648777D0,0D0,
0374      $      49.85835194D0, 47.84863333D0, 50.17985750D0,
0375      $      50.15224417D0,
0376      $      48.35371444D0, 47.73997888D0, 46.91839306D0,
0377      $      49.34356666D0,
0378      $      82.36517333D0, 83.09039306D0, 81.83262639D0,0D0/
0379 C DECCA TRANSMITTER LONGITUDES (NAD-27 EXCEPT FOR YELVERTON)
0380      DATA SLON/-64.26818863D0,-64.93010890D0,-65.24106054D0,
0381      $      -62.14964636D0,
0382      $      -61.92671719D0,-59.23921276D0,-61.90060223D0,0D0,
0383      $      -64.44477331D0,-64.69019611D0,-61.81303641D0,
0384      $      -66.61764441D0,
0385      $      -54.16904916D0,-52.73705138D0,-55.37942194D0,
0386      $      -54.87013055D0,
0387      $      -83.93168639D0,-74.11952222D0,-90.64431750D0,0D0/
0388 C DECCA PATTERN LANEWIDTHS (M)
0389      DATA ALWTH /0D0, 438.825D0, 584.554D0, 350.662D0,
0390      $      0D0, 439.804D0, 585.779D0, 0D0,
0391      $      0D0, 436.541D0, 581.938D0, 349.571D0,
0392      $      0D0, 442.882D0, 589.819D0, 354.0095D0,
0393      $      0D0, 420.8810969D0, 561.1747958D0, 0D0/
0394 C NUMBER OF DECCA LANES ON BASELINE
0395      DATA BLIN /0D0, 299.7552D0, 211.4852D0, 494.5979D0,
0396      $      0D0, 465.6644D0, 307.5821D0, 0D0,
0397      $      0D0, 513.6260D0, 329.8720D0, 455.3010D0,
0398      $      0D0, 286.1079D0, 311.4186D0, 343.2388D0,
0399      $      0D0, 380.9690D0, 211.8520D0, 0D0/
0400 C DECCA TRANSMITTER NAMES
0401      DATA NAM1 /
0402      $2HCH,2HES,2HTE,2HR ,2H ,2H ,2H ,2H ,2H ,
0403      $      2HMA,2HST,2HER,2H ,2H ,2H ,

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0404 $2HAL,2HMA,2H ,2H ,2H ,2H ,2H ,2H ,
0405 $ 2HRE,2HD ,2HSL,2HAV,2HE ,2H ,
0406 $2HJO,2HRD,2HAN,2H B,2HAY,2H ,2H ,2H ,2H ,
0407 $ 2HGR,2HEE,2HN ,2HSL,2HAV,2HE ,
0408 $2HEC,2HUM,2H S,2HEC,2HUM,2H ,2H ,2H ,2H ,
0409 $ 2HPU,2HRP,2HLE,2H S,2HLA,2HVE,
0410 $2HGR,2HIN,2HDS,2HTO,2HNE,2H ,2H ,2H ,2H ,
0411 $ 2HMA,2HST,2HER,2H ,2H ,2H ,
0412 $2HPO,2HRT,2H A,2HUX,2H B,2HAS,2HQU,2HES,2H ,
0413 $ 2HRE,2HD ,2HSL,2HAV,2HE ,2H ,
0414 $2HAN,2HTI,2HGO,2HNI,2HSH,2H ,2H ,2H ,2H ,
0415 $ 2HGR,2HEE,2HN ,2HSL,2HAV,2HE ,
0416 $2H ,2H ,2H ,2H ,2H ,2H ,2H ,2H ,
0417 $ 2H ,2H ,2H ,2H ,2H ,2H /
0418 DATA NAM2 /
0419 $2HPO,2HRT,2H M,2HEN,2HIE,2HR ,2H ,2H ,2H ,
0420 $ 2HMA,2HST,2HER,2H ,2H ,2H ,
0421 $2HSH,2HIP,2HPE,2HGA,2HN ,2HI ,2H ,2H ,2H ,
0422 $ 2HRE,2HD ,2HSL,2HAV,2HE ,2H ,
0423 $2HNA,2HTA,2HSH,2HQU,2HAN,2H ,2H ,2H ,2H ,
0424 $ 2HGR,2HEE,2HN ,2HSL,2HAV,2HE ,
0425 $2HSE,2HPT,2H-I,2HLE,2HS ,2H ,2H ,2H ,2H ,
0426 $ 2HPU,2HRP,2HLE,2H S,2HLA,2HVE,
0427 $2HPO,2HRT,2H B,2HLA,2HND,2HFO,2HRD,2H ,2H ,
0428 $ 2HMA,2HST,2HER,2H ,2H ,2H ,
0429 $2HSH,2HOE,2H C,2HOV,2HE ,2H ,2H ,2H ,2H ,
0430 $ 2HRE,2HD ,2HSL,2HAV,2HE ,2H ,
0431 $2HST,2H ,2HLA,2HWR,2HEN,2HCE,2H ,2H ,2H ,
0432 $ 2HGR,2HEE,2HN ,2HSL,2HAV,2HE ,
0433 $2HCO,2HMF,2HOR,2HT ,2HCO,2HVE,2H ,2H ,2H ,
0434 $ 2HPU,2HRP,2HLE,2H S,2HLA,2HVE,
0435 $2HYE,2HLV,2HER,2HTO,2HN ,2HBA,2HY ,2H ,2H ,
0436 $ 2HMA,2HST,2HER,2H ,2H ,2H ,
0437 $2HWA,2HRD,2H H,2HUN,2HT ,2HIS,2HLA,2HND,2H ,
0438 $ 2HRE,2HD ,2HSL,2HAV,2HE ,2H ,
0439 $2HKL,2HEY,2HBO,2HLT,2HE ,2HPE,2HNI,2HNS,2HUL,
0440 $ 2HGR,2HEE,2HN ,2HSL,2HAV,2HE ,
0441 $2H ,2H ,2H ,2H ,2H ,2H ,2H ,2H ,
0442 $ 2H ,2H ,2H ,2H ,2H ,2H /
0443 C$
0444 C NAME DECCA
0445 C
0446 C TYPE SUBROUTINE
0447 C
0448 C PURPOSE MODE 1 - CONVERT LAT AND LON TO DECCA READINGS

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0449 C          MODE 2 - CONVERT DECCA READINGS TO LAT AND LON
0450 C          MODE 3 - LIST ALL DECCA STATION DATA
0451 C
0452 C AUTHOR      STEVE GRANT 780115
0453 C
0454 C CALLING      CALL DECCA(LULIST,IWCL,MODE, AE,F,
0455 C              MREDS,ICHAN,ISEC,IZON,ALANE,WEIT,GRAD,DISTM,DISTS,
0456 C              ALAT,ALON,VAR,SIGLAT,SIGLON,ITER,IERR)
0457 C
0458 C PARAMETERS  I  LULIST = LOGICAL UNIT TO OUTPUT INTERMEDIATE DATA
0459 C              I  IWCL = WRITE CONTROLLER( IF = 0  NO OUTPUT)
0460 C              I  MODE = 1 LAT/LON TO DECCA
0461 C                  2 DECCA TO LAT/LON
0462 C                  3 LIST DECCA STATION DATA
0463 C              I  AE   = ELLIPSOID SEMIMAJOR AXIS (M)
0464 C              I  F    = ELLIPSOID RECIPROCAL FLATTENING
0465 C              I/O MREDS = NUMBER OF INPUT READINGS(<6) (MODE 2)
0466 C                  NUMBER OF OUTPUT READINGS (MODE 1)
0467 C              I/O ICHAN = INPUT VECTOR OF CHAIN NUMBERS (MODE 2)
0468 C                  OUTPUT VECTOR OF CHAIN NUMBERS (MODE 1)
0469 C                  7 = N.S. CHAIN
0470 C                  6 = CABOT STR. CHAIN
0471 C                  9 = ANTICOSTI CHAIN
0472 C                  2 = NFLD. CHAIN
0473 C                  1 = YELVERTON CHAIN
0474 C              I/O ISEC = INPUT VECTOR OF SECTORS (MODE 2)
0475 C                  OUTPUT VECTOR OF SECTORS (MODE 1)
0476 C                  (SECTOR 0 = FIRST GROUP OF ZONES A-J,
0477 C                   1 = SECOND GROUP, ETC.)
0478 C              I/O IZON = INPUT VECTOR OF ZONES (MODE 2)
0479 C                  OUTPUT VECTOR OF ZONES (MODE 1)
0480 C                  (ZONE A = FIRST 24 RED,18 GREEN,30 PURPLE LANES,
0481 C                   ZONE B = SECOND SETS OF LANES, ETC.)
0482 C              I/O ALANE = INPUT VECTOR OF LANES (MODE 2)
0483 C                  OUTPUT VECTOR OF LANES (MODE 1)
0484 C              I  WEIT = INPUT VECTOR OF WEIGHTS, SCLAED 0-INFIN (MODE 2)
0485 C              O  GRAD = OUTPUT VECTOR OF GRADIENTS (MODE 1)
0486 C              O  DISTM,DISTS = VECTORS OF DIST TO MASTERS/SLAVES (MODE 1)
0487 C              I/O ALAT,ALON = INPUT POSITION (MODE 1)
0488 C                  INPUT APPROXIMATE POSITION (MODE 2)
0489 C                  OUTPUT FIX POSITION (MODE 2)
0490 C              O  VAR = VARIANCE FACTOR UNSCALED BY DEG OF FREEDOM (MODE 2)
0491 C              O  SIGLAT,SIGLON = UNSCALED LAT,LON STD DEV (MODE 2)
0492 C              O  ITER = NUMBER OF ITERATIONS (MODE 2)
0493 C              O  IERR = ERROR RETURN (MODE 2)

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0494 C          = 1 WARNING (LOP'S NEARLY PARALLEL)
0495 C          = 0 NORMAL RETURN
0496 C          = -1 SINGULAR (LOP'S PARALLEL)
0497 C          = -2 SINGULAR (ONLY ONE LOP)
0498 C          = -3 MORE THAN 20 ITERATIONS(PROB. BAD DATA)
0499 C          = -4 UNKNOWN CHAIN
0500 C
0501 C COMMENT   THIS VERSION MODIFIED TO BRING IN AE,F, AND TO ADD YELVERTON
0502 C           WGS-72 CHAIN COORDINATES. DO NOT USE WITH OTHER CHAINS.
0503 C           MODE 3 ALSO DISABLED.
0504 C
0505 C EXTERNALS  SPHRD
0506 C$
0507           IERR = 0
0508           IF(IWCL .GE. 4) WRITE(LU,10)MODE,MREDS,ALAT,ALON
0509           10 FORMAT(" SUB DECCA; MODE="I3" MREDS="I3" LAT="F14.6" LON="F14.6)
0510           IF(IWCL .GE. 4 .AND. MREDS .GT. 0) WRITE(LU,12) (ICHAN(I),ISEC(I),
0511           $           IZON(I),ALANE(I),WEIT(I),I= 1,MREDS)
0512           12 FORMAT(" SUB DECCA; CH="I3" SEC="I3" ZON="A2,
0513           $           " LAN="F6.3" WT="F6.3)
0514 C
0515 C SELECT MODE 1,2, OR 3
0516 C
0517           IF(MODE .EQ. 1) GO TO 300
0518           IF(MODE .EQ. 3) GO TO 500
0519 C-----
0520 C           MODE 2: DECCA TO GEOGRAPHIC
0521 C-----
0522           TLAT = ALAT
0523           TLON = ALON
0524           IF(MREDS .LE. 1) GO TO 910
0525           DO 50 I = 1,MREDS
0526 C CONVERT ZONE FROM LETTER TO NUMBER
0527           ZONE = IAND(IZON(I),77400B) / 256 - 101B
0528           IF(IWCL .GE. 4) WRITE(LU,30) IZON(I),ZONE
0529           30 FORMAT(" SUB DECCA: IZON="A2" ZONE="F5.2)
0530 C CHECK LANE READINGS TO FIND WEATHER RED, GREEN OR PURPLE
0531           IF( 0D0 .LE. ALANE(I) .AND. ALANE(I) .LE. 24D0) IL = 1
0532           IF(30D0 .LE. ALANE(I) .AND. ALANE(I) .LE. 48D0) IL = 2
0533           IF(50D0 .LE. ALANE(I) .AND. ALANE(I) .LE. 80D0) IL = 3
0534 C COMPUTE ODR = OBSERVED DISTANCE DIFFERENCE
0535           ICH = ICHIN(ICHAN(I))
0536           IF(ICH .EQ. 0) GO TO 930
0537           IMAS(I) = 1 + (ICH - 1) * 4
0538           ISLA(I) = IMAS(I) + IL

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0539         ODR(I) = (((ISEC(I)*10D0 + ZONE)*NLANE(IL)*1D0 +
0540 $         ALANE(I) - LANE1(IL)*1D0)*2D0 - BLIN(ISLA(I)))*
0541 $         ALWTH(ISLA(I))
0542         IF(IWCL .GE. 4) WRITE(LU,45) IMAS(I),ISLA(I),ODR(I)
0543 45 FORMAT(" SUB DECCA: MAS="I3" SLA="I3" OBS DISTDIFF="F14.6)
0544 50 CONTINUE
0545         RELAX = 0.0
0546         DO 120 ITER = 1,NITER
0547             IERR = 0
0548             B11 = 0.0
0549             B12 = 0.0
0550             B22 = 0.0
0551             C1 = 0.0
0552             C2 = 0.0
0553             RELAX = (RELAX + 1.0) / 2.0
0554         DO 100 I = 1,MREDS
0555 C COMPUTE THEORETICAL DISTANCE DIFFERENCE CDR
0556             IF(WEIT(I) .LE. 0.0) GO TO 100
0557             CALL SPHRD(AE,F,TLAT,TLON,SLAT(IMAS(I)),SLON(IMAS(I)),
0558 $             DISTM(I),DDPM,DDL M)
0559             CALL SPHRD(AE,F,TLAT,TLON,SLAT(ISLA(I)),SLON(ISLA(I)),
0560 $             DISTS(I),DDPS,DDL S)
0561             CDR(I) = DISTM(I) - DISTS(I)
0562 C COMPUTE APA (B11,B12,B22) AND APL(C1,C2)
0563             B11 = B11 + (DDPM - DDPS)**2 * WEIT(I)
0564             B12 = B12 + (DDPM - DDPS)*(DDL M - DDL S) * WEIT(I)
0565             B22 = B22 + (DDL M - DDL S)**2 * WEIT(I)
0566             C1 = C1 + (DDPM - DDPS) * WEIT(I) * (CDR(I) - ODR(I))
0567             C2 = C2 + (DDL M - DDL S) * WEIT(I) * (CDR(I) - ODR(I))
0568             IF(IWCL .GE. 4) WRITE(LU,90) B11,B12,B22,C1,C2,CDR(I)
0569 90 FORMAT(" SUB DECCA: APA="3E20.9/
0570 $         " SUB DECCA: APL="2E20.9" COM DISTDIFF="F14.6)
0571         100 CONTINUE
0572 C COMPUTE DET(APA)
0573             DD = B11 * B22 - B12**2
0574             IF(DD .EQ. 0.0) GO TO 900
0575             IF(DD .LT. 1.E-6) IERR = 1
0576 C COMPUTE APA(-1) * APL
0577             DLAT = (B22*C1 - B12*C2) / DD
0578             DLON = (B11*C2 - B12*C1) / DD
0579             IF(IWCL .GE. 3) WRITE(LU,110)ITER,DD,DLAT,DLON
0580 110 FORMAT(" SUB DECCA: IT="I3" DET="E14.6" DLAT="E14.6" DLON="E14.6)
0581 C UPDATE SOLUTION
0582             TLAT = TLAT - DLAT*RELAX
0583             TLON = TLON - DLON*RELAX

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0584          IF(ABS(DLAT*RELAX) .LT. EPS .AND.
0585          $   ABS(DLON*RELAX) .LT. EPS) GO TO 130
0586      120  CONTINUE
0587          GO TO 920
0588  C
0589  C COMPUTE VARIANCE FACTOR (UNSCALED BY DF)
0590  C
0591      130  VAR = 0.0
0592  C      DO 150 I = 1,MREDS
0593  C          VAR = VAR + (CDR(I) - ODR(I))**2 * WEIT(I)
0594  C          SIGLAT = SQRT(B22/DD)
0595  C          SIGLON = SQRT(B11/DD)
0596  C 150 CONTINUE
0597  C
0598          ALAT = TLAT
0599          ALON = TLON
0600          RETURN
0601  C-----
0602  C                               MODE 1: GEOGRAPHICAL TO DECCA
0603  C-----
0604      300  TLAT = ALAT
0605          TLON = ALON
0606          MREDS = 0
0607          ICH = 5
0608  C      DO 320 ICH = 1,5
0609          NSLA = 3
0610          IF(ICH .EQ. 2 .OR. ICH .EQ. 5) NSLA = 2
0611          IM = 1 + (ICH - 1) * 4
0612          CALL SPHRD(AE,F,TLAT,TLON,SLAT(IM),SLON(IM),DISXM,
0613          $          DDPM,DDL M)
0614          $   IF(IWCL .GE. 4) WRITE(LU,305)ALAT,ALON,SLAT(IM),SLON(IM),
0615          $          DISXM,DDPM,DDL M
0616      305  FORMAT(" SUB DECCA: OBS POSN="2F20.10/
0617          $        " SUB DECCA: MASTER  ="2F20.10" DIST="E14.6,
0618          $        " DERIV="2E14.6)
0619          DO 320 I = 1,NSLA
0620          MREDS = MREDS + 1
0621          ICHAN(MREDS) = ICHOU(ICH)
0622          IS = IM + I
0623          CALL SPHRD(AE,F,TLAT,TLON,SLAT(IS),SLON(IS),SDIST,
0624          $          DDPS,DDL S)
0625          $   GRAD(MREDS) = ALWTH(IS)*111120.0/SQRT((DDPM-DDPS)**2 +
0626          $          ((DDL M-DDL S)*COS(ALAT*PI/180D0))**2)
0627          DISTM(MREDS) = DISXM
0628          DISTS(MREDS) = SDIST

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0629          CDR(I) = ((DISXM - SDIST) /
0630          $          ALWTH(IS) + BLIN(IS)) / 2D0
0631          ZOLA = NLANE(I)*1D0
0632          BLANE = MOD(CDR(I),ZOLA)
0633          ZONE = MOD((CDR(I) - BLANE)/ZOLA,10D0)
0634          ISEC(MREDS) = ((CDR(I) - BLANE)/ZOLA - ZONE)/10D0 + 0.5
0635          ALANE(MREDS) = BLANE + LANE1(I)*1D0
0636 C CONVERT ZONE FROM NUMBER TO LETTER
0637          IZON(MREDS) = ZONE + 0.5
0638          IZON(MREDS) = (IZON(MREDS) + 101B) * 256 + 40B
0639          IF(IWCL .GE. 4) WRITE(LU,309) IZON(MREDS),ZONE
0640          309 FORMAT(" SUB DECCA: IZON="A2" ZONE="F5.2)
0641          IF(IWCL .GE. 4) WRITE(LU,310)SLAT(IS),SLON(IS),SDIST,
0642          $          DDPS,DDL5,CDR(I),ALWTH(IS),BLIN(IS)
0643          310 FORMAT(" SUB DECCA: SLAVE   ="2F20.10" DIST="E14.6" DERIV="2E14.6/
0644          $          " SUB DECCA: DISTDIFF="E14.6" LWID="F12.6" BASEL="F12.6)
0645          320 CONTINUE
0646          RETURN
0647 C-----
0648 C          MODE 3: LIST STATION DATA (DISABLED IN THIS VERSION)
0649 C-----
0650          500 CONTINUE
0651          WRITE(LU,505)
0652          505 FORMAT(33X,"LATITUDE",4X,"LONGITUDE",5X,"LWIDTH",4X,"BLINE")
0653          WRITE(LU,515)
0654          515 FORMAT(" NOVA SCOTIA DECCA CHAIN 7 C/V")
0655          IS = 1
0656          IE = 4
0657          ASSIGN 520 TO IRET
0658          GO TO 600
0659          520 CONTINUE
0660          WRITE(LU,525)
0661          525 FORMAT(" CABOT STRAIT DECCA CHAIN 6 B/MP")
0662          IS = 5
0663          IE = 7
0664          ASSIGN 530 TO IRET
0665          GO TO 600
0666          530 CONTINUE
0667          WRITE(LU,535)
0668          535 FORMAT(" ANTICOSTI DECCA CHAIN 9 C/MP")
0669          IS = 9
0670          IE = 12
0671          ASSIGN 540 TO IRET
0672          GO TO 600
0673          540 CONTINUE

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0674      WRITE(LU,545)
0675 545 FORMAT(" NEWFOUNDLAND DECCA CHAIN 2 C/MP")
0676      IS = 13
0677      IE = 16
0678      ASSIGN 550 TO IRET
0679      GO TO 600
0680 550 CONTINUE
0681      WRITE(LU,555)
0682 555 FORMAT(" YELVERTON BAY DECCA CHAIN 1")
0683      IS = 17
0684      IE = 19
0685      ASSIGN 560 TO IRET
0686      GO TO 600
0687 560 CONTINUE
0688      RETURN
0689 600 DO 610 I = IS,IE
0690 C      CALL LLD(M(SLAT(I),SLON(I),IDLA,AMLA,INS,IDLO,AMLO,IEW)
0691 C      WRITE(LU,605)(NAMES(J,I),J=1,15),IDLA,AMLA,INS,
0692 C      $      IDLO,AMLO,IEW,ALWTH(I),BLIN(I)
0693 C 605  FORMAT(" ",15A2,X,2(I2,1X,F6.3,1X,A2,2X),F7.3,3X,F8.4)
0694      610 CONTINUE
0695      GO TO IRET
0696 C
0697 C ERROR RETURNS
0698 C
0699 C SINGULAR MATRIX
0700 900 IERR =-1
0701      RETURN
0702 C
0703 C ONLY ONE LOP
0704 910 IERR = -2
0705      RETURN
0706 C
0707 C MORE THAN 20 ITERS
0708 920 IERR =-3
0709      RETURN
0710 C
0711 C UNKNOWN CHAIN
0712 930 IERR = -4
0713      RETURN
0714      END
0715
0716      SUBROUTINE SPHRD(AE,F,XLAT1,XLON1,XLAT2,XLON2,DIST,DDP,DDL)
0717 $      ,VINCENTY GEODETIC INVERSE      (840326.0748)
0718      IMPLICIT DOUBLE PRECISION (A-H,O-Z)

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0719          DATA PI/3.1415926535D0/
0720 C$
0721 C NAME          SPHRD
0722 C
0723 C TYPE          SUBROUTINE
0724 C
0725 C PURPOSE       VINCENTY GEODETIC INVERSE
0726 C
0727 C AUTHOR/DATE P.DELORME 820606
0728 C
0729 C CALLING       CALL SPHRD(AE,F,XLAT1,XLON1,XLAT2,XLON2,DIST,DDP,DDL)
0730 C
0731 C PARAMETERS I AE      = ELLIPSOID SEMIMAJOR AXIS (M)
0732 C              I F      = RECIPROCAL OF ELLIPSOID FLATTENING
0733 C              I XLAT1   = LATITUDE OF FIRST POINT (DEG)
0734 C              I XLON1   = LONGITUDE OF FIRST POINT (DEG)
0735 C              I XLAT2   = LATITUDE OF SECOND POINT (DEG)
0736 C              I XLON2   = LONGITUDE OF SECOND POINT (DEG)
0737 C              O DIST    = GEODESIC DISTANCE (M)
0738 C              O DDP    = DERIV OF DIST WRT LAT (M / DEG)
0739 C              O DDL    = DERIV OF DIST WRT LON (M / DEG)
0740 C
0741 C COMMENT        OPTIONAL OUTPUTS (REMOVE COMMENTS, ADD TO PARAM LIST)
0742 C
0743 C              O AZ1    = FORWARD AZIMUTH (DEG)
0744 C              O AZ2    = BACKWARD AZIMUTH (DEG)
0745 C$
0746          FL = 1D0 / F
0747          FUZ = 20.0D0 * DEPS(ARG)
0748          BE = AE *(1.0 - FL)
0749 C-----
0750 C              FIND THE WESTERN POINT
0751 C              CONVERT TO RADIANS
0752 C-----
0753          ALAT1 = XLAT1 * PI / 180D0
0754          ALON1 = XLON1 * PI / 180D0
0755          ALAT2 = XLAT2 * PI / 180D0
0756          ALON2 = XLON2 * PI / 180D0
0757          IF(XLON1 .LE. XLON2) GO TO 10
0758          ALAT1 = XLAT2 * PI / 180D0
0759          ALON1 = XLON2 * PI / 180D0
0760          ALAT2 = XLAT1 * PI / 180D0
0761          ALON2 = XLON1 * PI / 180D0
0762 10      CONTINUE
0763 C-----

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0764 C          CALCULATE REDUCED LATITUDE AND ITS TRIG FUNCTIONS
0765 C-----
0766          TU1 = (1D0 - FL) * TAN(ALAT1)
0767          TU2 = (1D0 - FL) * TAN(ALAT2)
0768          U1  = ATAN(TU1)
0769          U2  = ATAN(TU2)
0770          SU1 = SIN(U1)
0771          SU2 = SIN(U2)
0772          CU1 = COS(U1)
0773          CU2 = COS(U2)
0774 C-----
0775 C          FIRST APPROXIMATION
0776 C          DIFF IN LONG ON ELLIPSOID = DIFF IN LONG ON SPHERE
0777 C-----
0778          XDL = ALON2 - ALON1
0779          DL1 = XDL
0780 C-----
0781 C          BEGIN ITERATIONS
0782 C-----
0783          20  CONTINUE
0784          DL  = DL1
0785          CS  = (SU1 * SU2) + (CU1 * CU2 * COS(DL))
0786          SS  = SQRT(1D0 - (CS**2))
0787          SIG = ATAN(SS / CS)
0788          IF (ABS(SS) .LT. FUZ) SS = FUZ
0789          SA  = (CU1 * CU2 * SIN(DL)) / SS
0790          CA  = SQRT(1D0 - (SA**2))
0791          C2SM = CS - (2D0 * SU1 * SU2) / (CA**2)
0792 C-----
0793 C          CALCULATE DIFF IN LONGITUDE ON AUXILIARY SPHERE
0794 C-----
0795          C = (FL / 16D0) * (CA**2) * (4D0 + (FL * (4D0 - 3D0 * (CA**2))))
0796          DL1 = XDL + (1D0 - C) * FL * SA * (SIG + C * SS * (C2SM + C
0797          $      * CS * (-1D0 + 2D0 * (C2SM**2))))
0798          IF(ABS(DL1 - DL) .GT. 10D-10) GO TO 20
0799 C-----
0800 C          END ITERATIONS
0801 C          CALCULATE GEODESIC DISTANCE "DIST" (M)
0802 C-----
0803          U  = (CA**2) * ((AE**2) - (BE**2)) / (BE**2)
0804          A  = 1D0 + (U / 256D0) * (64D0 + U * (-12D0 + 5D0 * U))
0805          B  = (U / 512D0) * (128D0 + U * (-64D0 + (37D0 * U)))
0806          DSIG = B * SS * (C2SM + 0.25D0 * B * CS * (-1D0 + 2D0*(C2SM**2)))
0807          DIST = BE * A * (SIG - DSIG)
0808 C-----

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0809 C          CALCULATE FORWARD AZIMUTH "AZ1" (DEG)
0810 C-----
0811 C      AZ1 = ATN2((CU2 * SIN(DL1)),(CU1 * SU2 - SU1 * CU2 * COS(DL1)))
0812 C      $          * 180D0 / PI
0813 C      IF (XLON1 .GT. XLON2) AZ1 = AZ1 + 180D0
0814 C-----
0815 C          CALCULATE BACKWARD AZIMUTH "AZ2" (DEG)
0816 C-----
0817 C      AZ2 = ATN2((-1D0 * CU1 * SDL1),(SU1 * CU2 - CU1 * SU2 * CDL1))
0818 C      $          * 180D0 / PI
0819 C      IF(AZ2 .LE. 0D0) AZ2 = AZ2 + 360D0
0820 C      IF(XLON1 .GE. XLON2) AZ2 = AZ2 - 180D0
0821 C-----
0822 C          CALCULATE DERIVATIVES OF DIST WRT LAT/LON (M/DEG)
0823 C-----
0824 C      COSP1 = COS(XLAT1 * PI / 180D0)
0825 C      COSP2 = COS(XLAT2 * PI / 180D0)
0826 C      SIND  = SIN(DIST / AE)
0827 C      DDP   = ((SIN(XLAT1*PI/180D0) * COS((XLON1-XLON2)*PI/180D0) *
0828 C      $      COSP2 - SIN(XLAT2*PI/180D0) * COSP1) / SIND) *
0829 C      $      AE * PI / 180D0
0830 C      DDL   = (COSP1 * COSP2 * SIN((XLON1-XLON2)*PI/180D0) / SIND) *
0831 C      $      AE * PI / 180D0
0832 C      RETURN
0833 C      END
0834
0835
0836 C      SUBROUTINE REF(LUREF,YDAY,YNOR,YEAS,DNOR,DEAS,DRAD,DAZ,
0837 C      $      QLAT,QLON)
0838 C      $      ,COMPARE NOR-EAS WITH REF VALUES          (840326.0748)
0839 C      IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0840 C      DIMENSION REF1(7),REF2(7),RLL(4)
0841 C      DATA      REF1 /999D0,6*0D0/,
0842 C      $      REF2 /7*0D0/,
0843 C      $      PI /3.1415926535D0/
0844 C$
0845 C NAME          REF
0846 C
0847 C TYPE          SUBROUTINE
0848 C
0849 C PURPOSE       COMPARE NORTHING AND EASTING WITH REFERENCE VALUES
0850 C
0851 C AUTHOR/DATE   D.WELLS 831002
0852 C
0853 C CALLING       CALL REF(LUREF,YDAY,YNOR,YEAS,DNOR,DEAS,DRAD,QLAT,QLON)

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0854 C
0855 C PARAMETERS I LUREF = DISC FILE LU FOR REFERENCE POSITIONS
0856 C I YDAY,YNOR,YEAS = INPUT TIME AND POSITION
0857 C O DNOR,DEAS,DRAD = OUTPUT ERRORS IN POSITION (WRT REFERENCE)
0858 C O QLAT,QLON = OUTPUT REFERENCE LAT/LON
0859 C$
0860 10 IF(YDAY .LT. REF2(1)) GO TO 20
0861 CALL INREF(LUREF,REF1,REF2)
0862 GO TO 10
0863 20 CONTINUE
0864 C INTERPOLATE FOR LAT/LON/NOR/EAS
0865 XT = (YDAY - REF1(1)) / (REF2(1) - REF1(1))
0866 DO 30 J = 2,5
0867 RLL(J-1) = REF1(J) * (1D0 - XT) + REF2(J) * XT
0868 30 CONTINUE
0869 QLAT = RLL(1)
0870 QLON = RLL(2)
0871 DNOR = YNOR - RLL(3)
0872 DEAS = YEAS - RLL(4)
0873 C
0874 DRAD = SQRT(DNOR ** 2 + DEAS ** 2)
0875 DAZ = ATAN2 (DEAS , DNOR) * 180D0 / PI
0876 IF(DAZ .GT. 90D0) DAZ = DAZ - 360D0
0877 RETURN
0878 END
0879
0880
0881 SUBROUTINE INREF(LUREF,REF1,REF2)
0882 $ ,READ REFERENCE POSNS FROM LUREF (840326.0748)
0883 IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0884 DIMENSION REF1(7),REF2(7),LINE(60)
0885 C$
0886 C NAME INREF
0887 C
0888 C TYPE SUBROUTINE
0889 C
0890 C PURPOSE READ REFERENCE POSITIONS FROM LUREF INTO ARRAYS REF1,REF2
0891 C
0892 C AUTHOR/DATE D.WELLS 831002
0893 C
0894 C CALLING CALL INREF(LUREF,REF1,REF2)
0895 C
0896 C PARAMETERS LUREF = DISC FILE LU FOR REFERENCE POSITIONS
0897 C REF1(7) = CURRENT REFERENCE POSITION VECTOR
0898 C (TIME,LAT,LON,NORTHING,EASTING,VEL-NOR,VEL-EAS)

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```

0899 C           REF2(7) = NEXT REFERENCE POSITION VECTOR
0900 C$
0901           IF(REF1(1) .NE. 999D0) GO TO 10
0902           READ(LUREF,1000,END=50) (LINE(J),J=1,60)
0903           READ(LUREF,1000,END=50) (LINE(J),J=1,60)
0904           READ(LUREF,1001,END=50) (REF1(J),J=1,7)
0905           READ(LUREF,1001,END=50) (REF2(J),J=1,7)
0906           RETURN
0907 C
0908           10 DO 20 I = 1,7
0909           20   REF1(I) = REF2(I)
0910           READ(LUREF,1001,END=30) (REF2(J),J=1,7)
0911           RETURN
0912 C
0913           30 REF2(1) = 999D0
0914           DO 40 I = 2,7
0915           40   REF2(I) = 0D0
0916           RETURN
0917 C
0918           50 WRITE(LUCON,1002)
0919           STOP
0920           1000 FORMAT(60A2)
0921           1001 FORMAT(15X,F10.5,2F12.7,2F9.0,2F8.0)
0922           1002 FORMAT(" /CESAR. ERROR IN INREF")
0923           END
0924
0925
0926           DOUBLE PRECISION FUNCTION DAY(ITIME)
0927           $ ,RTE TIME VECTOR TO DAYS           <840326.0748>
0928           IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0929           DIMENSION ITIME(5),SCALE(4)
0930           DATA SCALE /100D0,2*60D0,24D0/
0931 C$
0932 C NAME           DAY
0933 C
0934 C TYPE           DOUBLE PRECISION FUNCTION
0935 C
0936 C PURPOSE           CONVERT RTE TIME VECTOR TO TIME IN DAYS
0937 C
0938 C AUTHOR/DATE D.WELLS 820606
0939 C
0940 C EXTERNALS       DBLE,FLOAT
0941 C
0942 C CALLING         X = DAY(ITIME)
0943 C

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0944 C PARAMETERS  ITIME(5) = INPUT RTE TIME VECTOR
0945 C              DAY = OUTPUT EQUIVALENT TIME IN DAYS
0946 C$
0947           XDAY = 0.1D0
0948           DO 5 I = 1,4
0949           5   XDAY = (XDAY + DBLE(FLOAT(ITIME(I)))) / SCALE(I)
0950           XDAY = XDAY + DBLE(FLOAT(ITIME(5)))
0951           DAY = XDAY
0952           RETURN
0953           END
0954
0955
0956           SUBROUTINE G TO PS (XLAT,XLON,XNOR,XEAS,AE,BE)
0957           $ ,GEOGRAPHIC TO POLAR STEREOGRAPHIC          <840326.0748>
0958           IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0959           DATA  PI /3.1415926535897D0/
0960 C$
0961 C NAME          G TO PS
0962 C
0963 C TYPE          SUBROUTINE
0964 C
0965 C PURPOSE       GEOGRAPHIC TO POLAR STEREOGRAPHIC
0966 C
0967 C AUTHOR/DATE   D. WELLS 790307 (REV 831001)
0968 C
0969 C EXTERNALS     ABS,COS,SIN,SIGN,COEF,TISC
0970 C
0971 C CALLING       CALL G TO PS(XLAT,XLON,XNOR,XEAS,AE,BE)
0972 C
0973 C PARAMETERS    XLAT = INPUT LATITUDE IN DEGREES
0974 C              XLON = INPUT LONGITUDE IN DEGREES
0975 C              XNOR = OUTPUT NORTHING IN METRES
0976 C              XEAS = OUTPUT EASTING IN METRES
0977 C              AE = ELLIPSOID SEMIMAJOR AXIS IN METRES
0978 C              BE = ELLIPSOID SEMIMINOR AXIS, OR RECIPROCAL FLATTENING
0979 C$
0980           P = (90D0 - ABS(XLAT)) * PI / 180D0
0981           R = COEF(E,AE,BE) * TISC(P,E)
0982           XNOR = 2D6 - R * COS(XLON * PI / 180D0) * SIGN(1D0,XLAT)
0983           XEAS = 2D6 + R * SIN(XLON * PI / 180D0)
0984           RETURN
0985           END
0986
0987
0988           DOUBLE PRECISION FUNCTION COEF(E,AE,BE)

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```

0989      $ ,COEF OF TAN(ISOMETRIC SEMI-CO-LAT)          (840326.0748)
0990      IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0991      DATA      XK0 /0.994D0/
0992      C$
0993      C NAME          COEF
0994      C
0995      C TYPE          DOUBLE PRECISION FUNCTION
0996      C
0997      C PURPOSE       COMPUTES COEFFICIENT OF TANGENT OF ISOMETRIC
0998      C                SEMI-COLATITUDE IN EQUATION FOR UNIVERSAL
0999      C                POLAR STEREOGRAPHIC RADII
1000      C
1001      C AUTHOR/DATE  D.WELLS 790307 (REV 831001)
1002      C
1003      C CALLING      X = COEF(E,AE,BE)
1004      C
1005      C PARAMETERS    COEF = K0 * (2A / (1-E**2)) * ((1-E)/(1+E)) ** (E/2)
1006      C                AE = INPUT ELLIPSOID SEMIMAJOR AXIS
1007      C                BE = INPUT SEMIMINOR AXIS, OR RECIPROCAL FLATTENING
1008      C                E = OUTPUT ELLIPSOID ECCENTRICITY
1009      C$
1010      BOA = BE / AE
1011      IF (BE .LT. 6D3) BOA = 1D0 - 1D0 / BE
1012      E = SQRT(1D0 - BOA ** 2)
1013      COEF = XK0 * 2D0 * (AE / BOA) *
1014      $      ((1D0 - E) / (1D0 + E)) ** (E/2D0)
1015      RETURN
1016      END
1017
1018
1019      DOUBLE PRECISION FUNCTION TISC(P,E)
1020      $ ,COLAT TO TAN(ISOMETRIC SEMI-COLAT)          (840326.0748)
1021      IMPLICIT DOUBLE PRECISION (A-H,O-Z)
1022      C$
1023      C NAME          TISC
1024      C
1025      C TYPE          DOUBLE PRECISION FUNCTION
1026      C
1027      C PURPOSE       COMPUTES TANGENT OF ISOMETRIC SEMI-COLATITUDE
1028      C                FROM COLATITUDE
1029      C
1030      C AUTHOR/DATE  D.WELLS 790307 (REV 831001)
1031      C
1032      C CALLING      X = TISC(P,E)
1033      C

```

```

1034 C PARAMETERS   P = INPUT COLATITUDE IN RADIANS
1035 C               E = INPUT ELLIPSOID ECCENTRICITY
1036 C               TISC = OUTPUT TANGENT OF ISOMETRIC SEMI-COLATITUDE
1037 C$
1038           TISC = (SIN(P/2D0) / COS(P/2D0)) *
1039           $      ((1D0 + E*COS(P)) / (1D0 - E*COS(P))) ** (E/2D0)
1040           RETURN
1041           END
1042
1043
1044           SUBROUTINE TRANS(LU,A1,B1,X01,PLH1,A2,B2,X02,PLH2)
1045           $      ,GEODETTIC DATUM TRANSFORMATION          (840326.0748)
1046           IMPLICIT DOUBLE PRECISION (A-H,O-Z)
1047           DIMENSION X01(3),X02(3),PLH1(3),PLH2(3),
1048           $          RO(3),SPLH(3,3),XYZ(3),SXYZ(3,3),
1049           $          XJAC(3,3),PJAC(3,3)
1050           DATA RO /3*0D0/,
1051           $          SO /0D0/
1052 C$
1053 C NAME          TRANS
1054 C
1055 C TYPE          SUBROUTINE
1056 C
1057 C PURPOSE       TRANSFORMS GEODETTIC COORDINATES GIVEN ON DATUM1
1058 C               TO COORDINATES ON DATUM2
1059 C
1060 C AUTHOR/DATE   D.WELLS 781005
1061 C
1062 C EXTERNALS     GEOAT,ATGEO
1063 C
1064 C CALLING       CALL TRANS(LU,A1,B1,X01,PLH1,A2,B2,X02,PLH2)
1065 C
1066 C PARAMETERS    LU = LISTING LU
1067 C               A1 = DATUM1 SEMI-MAJOR AXIS (M)
1068 C               B1 = DATUM1 SEMI-MINOR AXIS (M) OR RECIPROCAL FLATTENING
1069 C               X01(3) = DATUM1 DATUM TRANSLATIONS (M)
1070 C               PLH1(3) = INPUT LATITUDE, LONGITUDE, HEIGHT (DEG,M)
1071 C               A2 = DATUM2 SEMI-MAJOR AXIS (M)
1072 C               B2 = DATUM2 SEMI-MINOR AXIS (M) OR RECIPROCAL FLATTENING
1073 C               X02(3) = DATUM2 DATUM TRANSLATIONS (M)
1074 C               PLH2(3) = OUTPUT LATITUDE, LONGITUDE, HEIGHT (DEG,M)
1075 C
1076 C LANGUAGE      FORTRAN
1077 C
1078 C COMMENTS      ALL PARAMETERS ARE DOUBLE PRECISION

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1079 C$
1080 CALL GEOAT(LU,A1,B1,XO1,RO,SO,PLH1,SPLH,XYZ,SXYZ,XJAC)
1081 CALL ATGEO(LU,A2,B2,XO2,RO,SO,XYZ,SXYZ,PLH2,SPLH,PJAC)
1082 RETURN
1083 END
1084
1085
1086 SUBROUTINE GEOAT(LU,AE,BE,XO,RO,SO,PLH,SPLH,XYZ,SXYZ,XJAC)
1087 $ ,GEODEIC TO AVERAGE TERRESTRIAL (840326.0748)
1088 IMPLICIT DOUBLE PRECISION(A-H,O-Z)
1089 DIMENSION XO(3),RO(3),PLH(3),SPLH(3,3),XYZ(3),
1090 $          SXYZ(3,3),XJAC(3,3),R(3),X(3),ROT(3,3),
1091 $          NAX1(3),NAX2(3)
1092 DATA PI /3.1415926535D0/,
1093 $        NAX1 /1,2,3/,
1094 $        NAX2 /-2,2,3/
1095 C$
1096 C NAME          GEOAT
1097 C
1098 C TYPE          SUBROUTINE
1099 C
1100 C PURPOSE       TRANSFORMS GEODEIC COORDINATES TO AVERAGE TERRESTRIAL
1101 C
1102 C AUTHOR/DATE  D.WELLS 781005
1103 C
1104 C EXTERNALS    ROTRF
1105 C
1106 C CALLING      CALL GEOAT(LU,AE,BE,XO,RO,SO,PLH,SPLH,XYZ,SXYZ,XJAC)
1107 C
1108 C PARAMETERS   LU = LISTING LU
1109 C              AE = SEMI-MAJOR AXIS (M)
1110 C              BE = SEMI-MINOR AXIS (M) OR RECIPROCAL FLATTENING
1111 C              XO(3) = TRANSLATIONS OF DATUM WRT AVG TERR (M)
1112 C              RO(3) = ROTATIONS OF DATUM WRT AVG TERR (ARCSEC)
1113 C              SO = SCALE OF DATUM WRT AVG TERR (PPM)
1114 C              PLH(3) = INPUT GEODEIC COORDINATES
1115 C                  = LATITUDE, LONGITUDE, HEIGHT (DEG, M)
1116 C              SPLH(3,3) = INPUT COVARIANCE OF PLH (M**2)
1117 C              XYZ(3) = OUTPUT CARTESIAN COORDINATES (M)
1118 C              SXYZ(3,3) = OUTPUT COVARIANCE OF XYZ (M**2)
1119 C              XJAC(3,3) = OUTPUT JACOBIAN MATRIX
1120 C                  = D XYZ / D PLH (M/DEG)
1121 C
1122 C COMMENTS     ALL PARAMETERS ARE DOUBLE PRECISION
1123 C$

```

```

1124      XLAT = PLH(1) * PI / 180D0
1125      XLON = PLH(2) * PI / 180D0
1126      HGT = PLH(3)
1127      CP = COS(XLAT)
1128      SP = SIN(XLAT)
1129      CL = COS(XLON)
1130      SL = SIN(XLON)
1131      BOA = (BE / AE) **2
1132      IF(BE .LT. 6D3) BOA = (1D0 - 1D0 / BE) **2
1133      RN = AE / SQRT(CP**2 + BOA * SP**2)
1134      RM = RN * BOA * (RN / AE) **2
1135      C GEODETIC TO CARTESIAN
1136      X(1) = (RN + HGT) * CP * CL
1137      X(2) = (RN + HGT) * CP * SL
1138      X(3) = (RN *BOA + HGT) * SP
1139      C ROTATIONS
1140      DO 10 I = 1,3
1141      10  R(I) = RO(I) * PI / (180D0 * 3600D0)
1142      CALL ROTRF(3,NAX1,R,ROT)
1143      DO 20 I = 1,3
1144      XYZ(I) = 0D0
1145      DO 20 J = 1,3
1146      20  XYZ(I) = XYZ(I) + ROT(I,J) * X(J)
1147      C SCALE
1148      DO 30 I = 1,3
1149      30  XYZ(I) = XYZ(I) * (1D0 + S0 / 1D6)
1150      C TRANSLATIONS
1151      DO 40 I = 1,3
1152      40  XYZ(I) = XYZ(I) + XO(I)
1153      C COVARIANCE MATRIX
1154      R(1) = 0D0
1155      R(2) = PI / 2D0 - XLAT
1156      R(3) = PI - XLON
1157      CALL ROTRF(3,NAX2,R,ROT)
1158      DO 50 I = 1,3
1159      DO 50 J = 1,3
1160      SXYZ(I,J) = 0D0
1161      DO 50 K = 1,3
1162      DO 50 L = 1,3
1163      50  SXYZ(I,J) = SXYZ(I,J) + ROT(I,K) * ROT(J,L) * SPLH(K,L)
1164      C JACOBIAN MATRIX D XYZ / D PLH (M/DEG AND M/M)
1165      DO 60 I = 1,3
1166      XJAC(I,1) = ROT(I,1) * (RM + HGT) * PI / 180D0
1167      XJAC(I,2) = ROT(I,2) * (RN + HGT) * CP * PI / 180D0
1168      60  XJAC(I,3) = ROT(I,3)

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1169     RETURN
1170     END
1171
1172
1173     SUBROUTINE ATGEO(LU,AE,BE,XO,RO,SO,XYZ,SXYZ,PLH,SPLH,PJAC)
1174     $ ,AVERAGE TERRESTRIAL TO GEODETIC (840326.0748)
1175     IMPLICIT DOUBLE PRECISION (A-H,O-Z)
1176     DIMENSION XO(3),RO(3),XYZ(3),SXYZ(3,3),PLH(3),
1177     $ SPLH(3,3),PJAC(3,3),XX(3),X(3),R(3),
1178     $ ROT(3,3),NAX1(3),NAX2(3)
1179     DATA PI /3.141592653500/,
1180     $ NAX1 /3,2,1/,
1181     $ NAX2 /3,2,-2/,
1182     $ ITER /20/
1183 C$
1184 C NAME ATGEO
1185 C
1186 C TYPE SUBROUTINE
1187 C
1188 C PURPOSE TRANSFORMS AVERAGE TERRESTRIAL COORDINATES TO GEODETIC
1189 C
1190 C AUTHOR/DATE D.WELLS 781005
1191 C
1192 C EXTERNALS DEPS,ROTRF
1193 C
1194 C CALLING CALL ATGEO(LU,AE,BE,XO,RO,SO,XYZ,SXYZ,PLH,SPLH,PJAC)
1195 C
1196 C PARAMETERS LU = LISTING LU
1197 C AE = SEMI-MAJOR AXIS (M)
1198 C BE = SEMI-MINOR AXIS (M) OR RECIPROCAL FLATTENING
1199 C XO(3) = TRANSLATIONS OF DATUM WRT AVG TERR (M)
1200 C RO(3) = ROTATIONS OF DATUM WRT AVG TERR (ARCSEC)
1201 C SO = SCALE OF DATUM WRT AVG TERR (PPM)
1202 C XYZ(3) = INPUT AVERAGE TERRESTRIAL COORDINATES (M)
1203 C SXYZ(3,3) = INPUT COVARIANCE OF XYZ (M**2)
1204 C PLH(3) = OUTPUT GEODETIC COORDINATES
1205 C = LATITUDE, LONGITUDE, HEIGHT (DEG,M)
1206 C SPLH(3,3) = OUTPUT COVARIANCE OF PLH (M**2)
1207 C PJAC(3,3) = OUTPUT JACOBIAN MATRIX
1208 C = D PLH / D XYZ (DEG/M)
1209 C$
1210 EPS2 = 2000 * DEPS(DARG)
1211 EPS1 = 100000 * DARG * AE
1212 BOA = (BE / AE) **2
1213 IF(BE .LT. 6D3) BOA = (1D0 - 1D0 / BE) **2

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1214      E2 = 1D0 - BOA
1215 C TRANSLATIONS
1216      DO 10 I = 1,3
1217      10  XX(I) = XYZ(I) - XO(I)
1218 C SCALE
1219      DO 20 I = 1,3
1220      20  XX(I) = XX(I) / (1D0 + SO / 1D6)
1221 C ROTATIONS
1222      DO 30 I = 1,3
1223      30  R(I) = RO(I) * PI / (180D0 * 360D0)
1224      CALL ROTRF(3,NAX1,R,ROT)
1225      DO 40 I = 1,3
1226      40  X(I) = 0D0
1227      DO 40 J = 1,3
1228      40  X(I) = X(I) + ROT(I,J) * XX(J)
1229 C LONGITUDE
1230      P = SQRT(X(1)**2 + X(2)**2)
1231      XLON = ATAN2(X(2),X(1))
1232 C INITIAL APPROX
1233      RN = AE
1234      HGT = SQRT(X(1)**2 + X(2)**2 + X(3)**2) - AE
1235      XLAT = ATAN((X(3)/P)/(1D0 - E2 * RN/(RN + HGT)))
1236 C ITERATE
1237      DO 50 I = 1,ITER
1238      50  HGT1 = HGT
1239      50  XLAT1 = XLAT
1240      50  CP = COS(XLAT)
1241      50  SP = SIN(XLAT)
1242      50  RN = AE / SQRT(CP**2 + BOA * SP**2)
1243      50  HGT = P / CP - RN
1244      50  XLAT = ATAN((X(3)/P) / (1D0 - E2 * RN / (RN + HGT)))
1245      50  IF(ABS(HGT1 - HGT) .LT. EPS1 .AND.
1246      $     ABS(XLAT1 - XLAT) .LT. EPS2) GO TO 60
1247      50  CONTINUE
1248      WRITE(LU,1001)
1249      STOP
1250 C CONVERGED
1251      60  PLH(1) = XLAT * 180D0 / PI
1252      60  PLH(2) = XLON * 180D0 / PI
1253      60  PLH(3) = HGT
1254 C COVARIANCE MATRIX
1255      R(1) = XLON - PI
1256      R(2) = XLAT - PI / 2D0
1257      R(3) = 0D0
1258      CALL ROTRF(3,NAX2,R,ROT)

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1259      DO 70 I = 1,3
1260          DO 70 J = 1,3
1261              SPLH(I,J) = 0D0
1262              DO 70 K = 1,3
1263                  DO 70 L = 1,3
1264                      70      SPLH(I,J) = SPLH(I,J) + ROT(I,K) * ROT(J,L) * SXYZ(K,L)
1265 C JACOBIAN MATRIX  D PLH / D XYZ
1266      RM = RN * BOA * (RN/AE)**2
1267      DO 80 I = 1,3
1268          PJAC(1,I) = ROT(1,I) / (RM + HGT) * 180D0 / PI
1269          PJAC(2,I) = ROT(2,I) / ((RN + HGT) * CP) * 180D0 / PI
1270      80      PJAC(3,I) = ROT(3,I)
1271      RETURN
1272 1001 FORMAT(" /ATGEO: FAILED TO CONVERGE")
1273      END
1274
1275
1276      SUBROUTINE ROTRF(NUM,NAXIS,ANGLE,ROT,IER)
1277      $ ,PRODUCT OF ROTATION/REFLECTION SEQUENCE      (840326.0748)
1278      IMPLICIT DOUBLE PRECISION (A-H,O-Z)
1279      DIMENSION ANGLE(NUM),NAXIS(NUM),ROT(3,3),R1(3,3),R2(3)
1280      DATA      PI /3.14159265359D0/
1281 C$
1282 C NAME          ROTRF
1283 C
1284 C TYPE          SUBROUTINE
1285 C
1286 C PURPOSE       COMPUTES THE PRODUCT MATRIX OF A SEQUENCE OF
1287 C               ROTATIONS AND REFLECTIONS
1288 C
1289 C AUTHOR/DATE   WELLS 780101
1290 C
1291 C CALLING       CALL ROTRF(NUM,NAXIS,ANGLE,ROT,IER)
1292 C
1293 C PARAMETERS    NUM          = INPUT NUMBER OF ROTATIONS AND REFLECTIONS
1294 C               NAXIS(NUM) = INPUT SEQUENCE OF ROTATION/REFLECTION AXES
1295 C                   1, 2, 3 FOR ROTATIONS
1296 C                   -1,-2,-3 FOR REFLECTIONS
1297 C               ANGLE(NUM) = INPUT SEQUENCE OF ROTATION ANGLES IN RADIANS
1298 C                   FOR REFLECTIONS THIS ANGLE IGNORED (SET TO ZERO)
1299 C               ROT(3,3) = OUTPUT PRODUCT MATRIX
1300 C               IER      = 0 FOR SUCCESSFUL RETURN
1301 C                   1 IF ANY VALUE IN NAXIS IS NOT 1,2,3,-1,-2,-3
1302 C
1303 C EXTERNALS     DEPS

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```

1304 C$
1305     IER = 0
1306 C SET ROT = IDENTITY MATRIX
1307     DO 5 I = 1,3
1308         DO 5 J = 1,3
1309             ROT(I,J) = 0.
1310             IF(I .EQ. J) ROT(I,J) = 1.
1311     5     CONTINUE
1312 C CHECK NAXIS VALUES. SET REFLECTION ANGLES = 0.
1313     DO 10 N = 1,NUM
1314         IF(NAXIS(N) .EQ. 0 .OR. ABS(NAXIS(N)) .GT. 3) GO TO 25
1315         IF(NAXIS(N) .LT. 0) ANGLE(N) = 0.
1316     10    CONTINUE
1317 C PROCESS SEQUENCE OF ROTATIONS AND REFLECTIONS ONE AT A TIME
1318     DO 20 N = 1,NUM
1319 C DEFINE THREE AXES FOR CURRENT ROTATION OR REFLECTION
1320         N1 = ABS(NAXIS(N))
1321         N2 = MOD(N1,3) + 1
1322         N3 = MOD(N2,3) + 1
1323 C DEFINE DIAGONAL ELEMENTS
1324         R1(N1,N1) = 1.
1325         IF(NAXIS(N) .LT. 0) R1(N1,N1) = -1.
1326         R1(N2,N2) = COS(ANGLE(N)*PI/180.)
1327         R1(N3,N3) = R1(N2,N2)
1328 C DEFINE NONZERO OFF DIAGONAL ELEMENTS
1329         R1(N2,N3) = SIN(ANGLE(N)*PI/180.)
1330         R1(N3,N2) = - R1(N2,N3)
1331 C DEFINE ZERO OFF-DIAGONAL ELEMENTS
1332         R1(N1,N2) = 0.
1333         R1(N1,N3) = 0.
1334         R1(N2,N1) = 0.
1335         R1(N3,N1) = 0.
1336 C FORM PRODUCT (SET ROT = R1 * ROT)
1337     DO 20 J = 1,3
1338         DO 15 I = 1,3
1339             R2(I) = 0.
1340             DO 15 K = 1,3
1341     15         R2(I) = R2(I) + R1(I,K) * ROT(K,J)
1342             DO 20 I = 1,3
1343                 ROT(I,J) = R2(I)
1344                 IF(ABS(ROT(I,J)) .LT. DEPS(ARG)) ROT(I,J) = 0.
1345     20     CONTINUE
1346     RETURN
1347 C ERROR RETURN
1348     25 IER = 1

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1349         RETURN
1350         END
1351
1352
1353         DOUBLE PRECISION FUNCTION DEPS(DARG)
1354         $ ,SMALLEST DP NUMBER DISTINCT FROM 1           <840326.0748>
1355         DOUBLE PRECISION DARG
1356 C$
1357 C NAME           DEPS
1358 C
1359 C TYPE           DOUBLE PRECISION FUNCTION
1360 C
1361 C PURPOSE        SET VALUE DEPS AND ARGUMENT DARG BOTH EQUAL TO THE
1362 C                SMALLEST DOUBLE PRECISION NUMBER SO THAT 1. + DEPS .GT. 1.
1363 C
1364 C AUTHOR/DATE    WELLS 770510
1365 C
1366 C CALLING        X = DEPS(DARG)
1367 C
1368 C PARAMETERS     DEPS = DARG = OUTPUT
1369 C$
1370         DEPS = 1.D0
1371     10 DEPS = DEPS / 2.D0
1372         IF((1.D0 + DEPS) - 1.D0 .EQ. DEPS) GO TO 10
1373         DEPS = DEPS * 2.D0
1374         DARG = DEPS
1375         RETURN
1376         END
1377         END$

```

&HISTO T=00004 IS ON CR DW USING 00029 BLKS R=0000

```
0001 FTN4X,L,Q
0002 *FILES(1,2)
0003 PROGRAM HISTO(3,90)
0004 $ ,HISTOGRAM FROM AUTO PLOT-COMPATIBLE FILE (840325.0823)
0005 IMPLICIT DOUBLE PRECISION (A-H,O-Z)
0006 DIMENSION REC(20), IBIN(20,100), ICOL(20),
0007 $ XMIN(20), XMAX(20), XNUM(20),
0008 $ SUM(20), SUM2(20), AVG(20),
0009 $ SD(20), IP(5),
0010 $ IDUM(80), INFILE(10), IOFILE(10),
0011 $ LABEL(10)
0012 C$
0013 C NAME HISTO
0014 C
0015 C PURPOSE COMPUTE AND STORE HISTOGRAM, MEAN AND STD DEV
0016 C FROM DISK FILE COMPATIBLE WITH AUTO PLOT
0017 C
0018 C CALLING RUN,HISTO,LUCON
0019 C (DEFAULTS 1)
0020 C$
0021 C-----
0022 C GET RUN PARAMETERS
0023 C-----
0024 CALL RMPAR(IP)
0025 LUCON = IP(1)
0026 LUIN = 90
0027 LUOUT = 91
0028 C-----
0029 C CLEAR ALL ARRAYS
0030 C-----
0031 DO 10 I = 1,20
0032 ICOL(I) = 0
0033 XMIN(I) = 0D0
0034 XMAX(I) = 0D0
0035 XNUM(I) = 0D0
0036 SUM(I) = 0D0
0037 SUM2(I) = 0D0
0038 AVG(I) = 0D0
0039 SD(I) = 0D0
0040 DO 10 K = 1,100
0041 10 IBIN(I,K) = 0
0042 C-----
0043 C GET INFO ON FILES
```

```

0044 C-----
0045 WRITE(LUCON,1000)
0046 CALL EXEC(1,LUCON+400B,LABEL,10)
0047 WRITE(LUCON,1001)
0048 CALL EXEC(1,LUCON+400B,INFILE,10)
0049 WRITE(LUCON,1002)
0050 CALL EXEC(1,LUCON+400B,IOFILE,10)
0051 WRITE(LUCON,1003)
0052 READ(LUCON,*)      NCOL
0053 WRITE(LUCON,1004)
0054 READ(LUCON,*)      NSKIP
0055 WRITE(LUCON,1005)
0056 READ(LUCON,*)      NLAST
0057 C-----
0058 C                      GET INFO ON COLUMNS TO BE PROCESSED
0059 C-----
0060 MCOL = 0
0061 DO 100 I = 1,NCOL
0062     WRITE(LUCON,2001)
0063     READ(LUCON,*)      JCOL
0064     IF(JCOL .EQ. 0)   GO TO 120
0065     MCOL = MCOL + 1
0066     ICOL(I) = JCOL
0067     WRITE(LUCON,2002)
0068     READ(LUCON,*)      XMIN(I)
0069     WRITE(LUCON,2003)
0070     READ(LUCON,*)      XMAX(I)
0071     100 CONTINUE
0072     120 CONTINUE
0073 C-----
0074 C                      OPEN INPUT FILE
0075 C                      SKIP HEADER RECORDS
0076 C-----
0077 OPEN(LUIN,FILE=INFILE)
0078 NREC = NSKIP
0079 IF(NSKIP .EQ. 0) GO TO 200
0080 DO 140 I = 1,NSKIP
0081     IF(IFBRK(JDUM) .LT. 0) GO TO 900
0082     READ(LUIN, 3001) (IDUM(J),J=1,40)
0083     IF(I .LT. 10) WRITE(LUCON,3001) (IDUM(J),J=1,40)
0084     140 CONTINUE
0085 C-----
0086 C                      MAIN LOOP
0087 C                      READ INPUT ONE RECORD AT A TIME
0088 C-----

```

```

0089     200 CONTINUE
0090     IF(IFBRK(JDUM) .LT. 0) GO TO 900
0091     READ(LUIN, *,END=240,ERR=240) (REC(I),I=1,NCOL)
0092   D   WRITE(LUCON,4001) (REC(I),I=1,NCOL)
0093     NREC = NREC + 1
0094     IF(NLAST .GT. 0 .AND. NREC .GE. NLAST) GO TO 240
0095   C-----
0096   C                                     COLUMN PROCESSING LOOP
0097   C-----
0098     DO 220 I = 1,MCOL
0099       J = ICOL(I)
0100       K = 10000 * (REC(J) - XMIN(I)) / (XMAX(I) - XMIN(I))
0101       IF(K .LT. 1 .OR. K .GT. 100) GO TO 210
0102       SUM(I) = SUM(I) + REC(J)
0103       SUM2(I) = SUM2(I) + REC(J) ** 2
0104       XNUM(I) = XNUM(I) + 100
0105   210  IF(K .LT. 1) K = 1
0106       IF(K .GT. 100) K = 100
0107       IBIN(I,K) = IBIN(I,K) + 1
0108   220  CONTINUE
0109   C-----
0110   C                                     RETURN FOR NEXT RECORD
0111   C-----
0112     GO TO 200
0113   C-----
0114   C                                     END OF INPUT
0115   C                                     COMPUTE MEANS/STD DEVS
0116   C-----
0117     240 CLOSE(LUIN)
0118     DO 260 I = 1,MCOL
0119       AVG(I) = SUM(I) / XNUM(I)
0120       SD(I) = SQRT(SUM2(I) / XNUM(I) - AVG(I) ** 2)
0121   260  CONTINUE
0122   C-----
0123   C                                     OUTPUT HEADER RECORDS
0124   C-----
0125     OPEN(LUOUT,FILE=IOFILE)
0126     WRITE(LUOUT,5000) LABEL,INFILE,IOFILE,NCOL,NSKIP,NLAST
0127     WRITE(LUOUT,5001) (ICOL(I),I=1,MCOL)
0128     WRITE(LUOUT,5002) (XMIN(I),I=1,MCOL)
0129     WRITE(LUOUT,5003) (XMAX(I),I=1,MCOL)
0130     WRITE(LUOUT,5004) (XNUM(I),I=1,MCOL)
0131   C   WRITE(LUOUT,5005) (SUM(I),I=1,MCOL)
0132   C   WRITE(LUOUT,5006) (SUM2(I),I=1,MCOL)
0133     WRITE(LUOUT,5007) (AVG(I),I=1,MCOL)

```



```

0134          WRITE(LUOUT,5008) (SD(I), I=1,MCOL)
0135 C-----
0136 C          OUTPUT HISTOGRAM
0137 C-----
0138          DO 300 K = 1,100
0139    300    WRITE(LUOUT,5050) K,(IBIN(I,K),I=1,MCOL)
0140          CLOSE(LUOUT)
0141          GO TO 950
0142 C-----
0143 C          BREAK
0144 C-----
0145          900 CLOSE(LUIN)
0146          950 WRITE(LUCON,6001)
0147 C-----
0148 C          FORMAT STATEMENTS
0149 C-----
0150    1000 FORMAT( " LABEL FOR THIS RUN (MAX 20 CHARS) ?_")
0151    1001 FORMAT( " INPUT FILE (LU OR NAMR) ?_")
0152    1002 FORMAT( " OUTPUT FILE (LU OR NAMR) ?_")
0153    1003 FORMAT( " TOTAL NUMBER OF COLUMNS ?_")
0154    1004 FORMAT( " SKIP FIRST HOW MANY LINES (0=NONE) ?_")
0155    1005 FORMAT( " STOP AFTER HOW MANY LINES (0=ALL) ?_")
0156 C
0157    2001 FORMAT(/" PROCESS WHICH COLUMN (0=CONTINUE) ?_")
0158    2002 FORMAT( " MIN VALUE IN THIS COLUMN ?_")
0159    2003 FORMAT( " MAX VALUE IN THIS COLUMN ?_")
0160 C
0161    3001 FORMAT(40A2)
0162 C
0163    4001 FORMAT(10E13.6)
0164 C
0165    5000 FORMAT(3(1X,10A2)," COLS ",I5," ROWS ",I5," TO ",I5)
0166    5001 FORMAT( " COLUMNS "10I10)
0167    5002 FORMAT( " MINIMUM "10F10.3)
0168    5003 FORMAT( " MAXIMUM "10F10.3)
0169    5004 FORMAT( " NUMBER "10F10.3)
0170    5005 FORMAT( " SUM "10F10.3)
0171    5006 FORMAT( " SUM**2 "10F10.0)
0172    5007 FORMAT( " MEAN "10F10.3)
0173    5008 FORMAT( " STD DEV "10F10.3)
0174    5050 FORMAT(10I4)
0175 C
0176    6001 FORMAT(" HISTO DONE!")
0177          END
0178          END$

```

*CESAR T=00004 IS ON CR DW USING 00005 BLKS R=0000

```
0001 : ** PROCEDURE TO COMPILE, LOAD, AND EXECUTE CESAR
0002 : ** AND LIST ALL INPUT AND OUTPUT FILES
0003 : LL,6
0004 : CN,6
0005 : ** COMPILER AND LOAD
0006 : OF,CESAR
0007 : PU,CESAR
0008 : RU,CLOAD,&CESAR::DW,6
0009 : ** EXECUTE
0010 : RU,CESAR,6
0011 : RU,CESAR,6,#D,E3,0M
0012 : RN,$DE30M::DW,$DE30$::DW
0013 : RU,CESAR,6,#D,E3,0M,1
0014 : RU,CESAR,6,#D,E0,1M
0015 : RN,$DE01M::DW,$DE01$::DW
0016 : RU,CESAR,6,#D,E0,1M,1
0017 : RU,CESAR,6,#O,M1,2H
0018 : RU,CESAR,6,#O,M1,0M
0019 : ** LIST PROGRAMS AND PROCEDURES
0020 : CN,6
0021 : LI,"CESAR::DW
0022 : LI,&CESAR::DW
0023 : LI,&HISTO::DW
0024 : LI,*CESAR::DW
0025 : LI,<CESAR::DW
0026 : ** LIST TRANSIT INPUT AND OUTPUT FILES
0027 : LI,$SATNV::DW
0028 : LI,$SATNV::DW
0029 : ** LIST DECCA INPUT AND OUTPUT FILES
0030 : LI,*DECAL::DW
0031 : LI,$DE30M::DW
0032 : LI,$DE30$::DW
0033 : LI,$DE30M::DW
0034 : LI,$DE01M::DW
0035 : LI,$DE01$::DW
0036 : LI,$DE01M::DW
0037 : ** LIST OMEGA INPUT AND OUTPUT FILES
0038 : LI,$OM12H::DW
0039 : LI,$OM12H::DW
0040 : LI,$OM10M::DW
0041 : LI,$OM10M::DW
0042 : :
```

```

/CESAR. RUN,CESAR 6 #DE30M 0
      INPUT FILE= #DE30M::DW
      OUTPUT FILE= #DE30M::DW
      REF FILE= #SATNV::DW
/CESAR. LIST INPUT FILE HEADER AND FIRST 10 RECORDS
DECCA POSNS AT 30 MINUTE INTERVALS (115-22:51:04 TO 120-19:30:00) 257 RECS
      NORTH LAT      EAST LONG  DEC GREEN  DEC RED      TIME-HMS
85 49 44.732 109 7 2.456 E 47.44 I .66      22 51 4      115 1983
85 52 .207 109 42 51.714 E 47.58 I 1.14     22 51 5      115 1983
85 51 51.353 109 40 26.662 E 47.57 I 1.11     22 55 0      115 1983
85 51 51.934 109 41 3.031 E 47.58 I 1.10     23 0 0       115 1983
85 51 41.604 109 38 47.557 E 47.58 I 1.05     23 30 0      115 1983
85 51 45.986 109 41 39.927 E 47.62 I 1.02     0 0 0       116 1983
85 51 36.240 109 40 .718 E 47.63 I .96      0 30 0      116 1983
85 51 57.718 109 47 7.311 E 47.68 I 1.00     1 0 0       116 1983
85 51 36.483 109 41 58.771 E 47.67 I .91      1 30 0      116 1983
85 51 49.107 109 46 40.218 E 47.71 I .92      2 0 0       116 1983
DECCA ERROR 1
DECCA ERROR -1
DECCA ERROR -1
/CESAR. 254 LINES REFORMATTED AND WRITTEN TO OUTPUT FILE

```

```

/CESAR. LIST OUTPUT FILE HEADER AND FIRST 10 RECORDS
DECCA POSNS AT 30 MINUTE INTERVALS (115-22:51:04 TO 120-19:30:00) 257 RECS
YEAR TIME-HMS TIME-DAYS NORTH LAT EAST LONG NORTHING EASTING ERNOR EREAS ERRAD ERR-AZ RED GREEN ERRED ERGRN
1983 115 22 51 115.95213 85.79598 251.35652 2149273. 1557554. -2784. -4802. 5550. -120.1 240.16 89.36 -.41 -.14
1983 115 22 51 115.95214 85.83313 250.78113 2152349. 1562976. 292. 620. 685. 64.8 240.64 89.50 .07 .00
1983 115 22 55 115.95486 85.83070 250.81996 2152142. 1562617. 72. 265. 274. 74.7 240.61 89.49 .05 -.01
1983 115 23 0 115.95833 85.83086 250.81015 2152211. 1562660. 126. 311. 336. 67.9 240.60 89.50 .04 -.00
1983 115 23 30 115.97917 85.82803 250.84631 2152038. 1562267. -138. -61. 151. -156.1 240.55 89.50 .03 -.02
1983 116 0 0 116.00000 85.82924 250.79986 2152349. 1562517. 81. 210. 225. 68.9 240.52 89.54 .03 -.00
1983 116 0 30 116.02083 85.82657 250.82624 2152245. 1562167. -114. -145. 184. -128.2 240.46 89.55 -.00 -.01
1983 116 1 0 116.04167 85.83246 250.71181 2152903. 1563090. 453. 774. 897. 59.7 240.50 89.60 .06 .02
1983 116 1 30 116.06250 85.82664 250.79429 2152486. 1562259. -55. -62. 82. -131.5 240.41 89.59 .00 -.01
1983 116 2 0 116.08333 85.83010 250.71872 2152936. 1562824. 304. 499. 585. 58.6 240.42 89.63 .04 .02
/CESAR STOP.

```

APPENDIX C

TRANSIT LISTINGS

- C.1 Listing of #SATNV (data as supplied from CESAR)
- C.2 Listing of \$SATNV (reformatted data)

#SATNV T=00003 IS ON CR DW USING 00204 BLKS R=0000

0001	TRANSIT POSNS AT 3 HOUR INTVL (89-6:52 TO 143-9:0) 419 RECS																				
0002	NO	DAY	HR	MN	PS	NORTH	LAT	SD	EAST	LONG	SD	HEIGHT	SD	NORTHING	EASTING	DISTANCE	AZIMUTH	SPEED	HEAD		
0003	1	89	6	52	2	85	48	29.9	29.	249	11	17.7	31.	8.46	.71	2165419.	1564800.	0.	0.00	31.605	143.45
0004	2	89	9	0	2	85	48	31.7	24.	249	11	33.7	28.	8.49	.52	2165365.	1564840.	0.	0.00	45.542	136.12
0005	3	89	12	0	4	85	48	35.7	19.	249	11	59.5	21.	8.49	.38	2165267.	1564934.	0.	0.00	33.811	145.05
0006	4	89	15	0	5	85	48	38.4	15.	249	12	24.7	17.	8.48	.32	2165184.	1564992.	25.	278.57	16.732	58.89
0007	5	89	18	0	5	85	48	39.4	15.	249	12	7.2	15.	8.24	.26	2165210.	1565035.	26.	227.02	39.941	78.51
0008	6	89	21	0	5	85	48	42.7	13.	249	11	39.0	15.	7.87	.24	2165234.	1565152.	25.	228.41	34.389	110.17
0009	7	90	0	0	6	85	48	46.0	12.	249	11	38.5	13.	7.66	.22	2165198.	1565248.	19.	210.68	8.044	256.94
0010	8	90	3	0	7	85	48	45.4	11.	249	11	44.4	12.	7.60	.21	2165193.	1565225.	42.	250.54	24.778	330.99
0011	9	90	6	0	7	85	48	43.5	11.	249	11	23.3	12.	7.59	.21	2165258.	1565189.	29.	231.31	7.019	345.37
0012	10	90	9	0	6	85	48	43.1	12.	249	11	15.7	14.	7.61	.21	2165278.	1565184.	29.	232.21	5.699	333.42
0013	11	90	12	0	2	85	48	42.7	24.	249	11	10.6	23.	7.61	.27	2165293.	1565176.	53.	239.93	8.016	230.19
0014	13	90	18	0	5	85	48	42.0	15.	249	11	29.1	16.	7.61	.26	2165263.	1565139.	72.	240.57	72.509	35.57
0015	14	90	21	0	4	85	48	43.8	18.	249	9	56.2	21.	7.50	.25	2165439.	1565265.	48.	260.08	31.144	169.69
0016	15	91	0	0	2	85	48	45.3	24.	249	10	31.5	25.	7.46	.29	2165347.	1565282.	19.	211.72	9.960	23.95
0017	16	91	3	0	4	85	48	45.4	18.	249	10	18.4	19.	7.40	.26	2165374.	1565294.	39.	212.89	25.113	42.23
0018	17	91	6	0	3	85	48	46.3	24.	249	9	47.4	26.	7.37	.27	2165430.	1565344.	50.	207.62	39.335	32.34
0019	18	91	9	0	1	85	48	47.0	41.	249	8	56.3	40.	7.37	.32	2165529.	1565407.	30.	226.66	49.958	11.23
0020	19	91	15	0	2	85	48	45.4	32.	249	6	45.9	37.	7.35	.31	2165822.	1565465.	25.	217.56	53.742	19.31
0021	20	91	18	0	1	85	48	45.3	46.	249	5	34.8	55.	7.34	.35	2165973.	1565518.	28.	229.61	76.376	11.54
0022	21	91	21	0	1	85	48	44.1	59.	249	3	55.0	60.	7.33	.36	2166197.	1565564.	0.	0.00	251.750	41.74
0023	22	92	0	0	4	85	48	52.7	22.	248	58	43.2	21.	7.34	.27	2166757.	1566064.	26.	229.20	143.143	31.04
0024	23	92	3	0	1	85	48	55.1	42.	248	55	36.4	46.	7.35	.33	2167124.	1566285.	28.	233.67	93.994	12.21
0025	24	92	6	0	4	85	48	53.7	20.	248	53	33.4	25.	7.37	.27	2167398.	1566344.	20.	225.46	60.868	10.22
0026	25	92	9	0	1	85	48	52.6	42.	248	52	14.2	41.	7.37	.32	2167577.	1566376.	25.	236.08	63.715	197.82
0027	26	92	12	0	3	85	48	52.9	22.	248	53	38.4	24.	7.40	.29	2167396.	1566318.	220.	30.71	57.671	237.21
0028	27	92	15	0	5	85	48	49.6	16.	248	54	40.2	17.	7.44	.24	2167303.	1566173.	38.	241.30	57.793	250.17
0029	28	92	18	0	5	85	48	45.4	15.	248	55	30.3	17.	7.45	.23	2167244.	1566011.	32.	224.56	24.904	146.53
0030	29	92	21	0	4	85	48	47.4	15.	248	55	49.4	19.	7.41	.24	2167182.	1566052.	31.	233.05	70.263	214.41
0031	30	93	0	0	5	85	48	45.8	14.	248	57	20.0	15.	7.38	.23	2167009.	1565934.	27.	239.94	84.983	218.03
0032	31	93	3	0	7	85	48	43.4	12.	248	59	7.6	12.	7.39	.21	2166809.	1565777.	22.	246.69	84.035	220.08
0033	32	93	6	0	6	85	48	40.7	13.	249	0	52.7	13.	7.42	.21	2166617.	1565616.	27.	229.87	64.056	217.00
0034	33	93	9	0	6	85	48	39.0	13.	249	2	14.2	13.	7.45	.21	2166464.	1565501.	14.	261.92	52.455	207.97
0035	34	93	12	0	6	85	48	38.4	13.	249	3	23.1	13.	7.49	.21	2166326.	1565427.	22.	242.16	88.371	220.40
0036	35	93	15	0	8	85	48	35.6	11.	249	5	13.4	12.	7.56	.20	2166125.	1565256.	20.	247.34	87.377	219.80
0037	36	93	18	0	4	85	48	32.8	15.	249	7	2.8	16.	7.61	.23	2165924.	1565089.	27.	243.90	65.241	230.17
0038	37	93	21	0	2	85	48	29.7	23.	249	8	18.1	27.	7.63	.28	2165800.	1564939.	35.	227.66	77.887	227.35
0039	38	94	0	0	6	85	48	26.4	14.	249	9	50.3	16.	7.66	.23	2165642.	1564768.	25.	240.56	64.857	224.34
0040	39	94	3	0	2	85	48	23.9	23.	249	11	8.9	25.	7.66	.28	2165504.	1564633.	31.	248.90	46.139	207.24
0041	40	94	6	0	6	85	48	23.4	14.	249	12	9.5	14.	7.67	.22	2165381.	1564570.	21.	242.55	25.137	198.23
0042	41	94	9	0	4	85	48	23.5	16.	249	12	42.7	18.	7.68	.24	2165310.	1564546.	28.	244.82	13.849	176.53
0043	42	94	12	0	4	85	48	24.0	17.	249	12	59.4	19.	7.68	.24	2165269.	1564549.	26.	247.30	19.800	207.47

0044	43	94	15	0	4	85	48	23.8	17.	249	13	25.4	20.	7.67	.24	2165216.	1564522.	27.	245.37	1.871	224.83
0045	44	94	18	0	4	85	48	23.7	17.	249	13	27.7	18.	7.68	.24	2165212.	1564518.	35.	259.11	16.378	177.48
0046	45	94	21	0	6	85	48	24.4	13.	249	13	47.6	15.	7.68	.22	2165163.	1564520.	27.	249.42	13.693	201.85
0047	46	95	0	0	7	85	48	24.3	12.	249	14	5.7	13.	7.68	.20	2165125.	1564505.	29.	244.79	26.252	222.24
0048	47	95	3	0	3	85	48	23.4	20.	249	14	38.0	18.	7.68	.25	2165067.	1564452.	3.	69.05	43.615	200.86
0049	48	95	6	0	4	85	48	23.4	18.	249	15	35.7	19.	7.67	.25	2164946.	1564406.	21.	236.62	22.744	183.32
0050	49	95	9	0	5	85	48	24.1	15.	249	16	4.4	17.	7.67	.23	2164878.	1564402.	28.	244.00	13.139	175.96
0051	50	95	12	0	4	85	48	24.6	21.	249	16	20.1	22.	7.66	.24	2164839.	1564404.	28.	246.22	16.383	141.23
0052	51	95	15	0	3	85	48	26.0	22.	249	16	31.1	26.	7.65	.26	2164801.	1564435.	20.	274.19	9.553	83.47
0053	52	95	18	0	4	85	48	26.8	18.	249	16	25.3	19.	7.66	.25	2164804.	1564463.	37.	248.75	6.236	63.07
0054	53	95	21	0	4	85	48	27.2	16.	249	16	19.3	20.	7.66	.24	2164812.	1564480.	28.	243.51	4.593	37.71
0055	54	96	0	0	1	85	48	27.3	35.	249	16	13.4	40.	7.66	.31	2164823.	1564488.	27.	246.02	3.512	40.18
0056	55	96	3	0	1	85	48	27.4	49.	249	16	9.1	62.	7.66	.34	2164831.	1564495.	45.	239.86	11.998	201.00
0057	56	96	6	0	3	85	48	27.4	20.	249	16	24.9	21.	7.65	.29	2164798.	1564482.	25.	212.96	6.186	317.74
0058	57	96	9	0	4	85	48	26.9	17.	249	16	21.2	25.	7.66	.25	2164811.	1564470.	26.	247.65	1.166	311.20
0059	58	96	12	0	3	85	48	26.8	20.	249	16	20.7	22.	7.66	.26	2164814.	1564467.	32.	247.17	12.064	146.32
0060	59	96	15	0	5	85	48	27.7	17.	249	16	30.0	18.	7.72	.23	2164784.	1564487.	28.	236.24	9.366	311.67
0061	60	96	18	0	4	85	48	26.9	18.	249	16	25.5	19.	7.75	.24	2164802.	1564466.	27.	246.86	5.289	325.89
0062	61	96	21	0	1	85	48	26.5	39.	249	16	21.5	47.	7.76	.31	2164815.	1564458.	27.	247.40	3.964	254.56
0063	62	97	0	0	3	85	48	26.2	23.	249	16	24.6	25.	7.77	.28	2164812.	1564446.	0.	0.00	4.080	157.49
0064	63	97	3	0	3	85	48	26.4	24.	249	16	28.5	21.	7.78	.27	2164801.	1564451.	17.	235.73	3.543	120.81
0065	64	97	6	0	3	85	48	26.8	21.	249	16	29.4	21.	7.79	.27	2164795.	1564460.	27.	247.57	6.210	16.30
0066	65	97	9	0	6	85	48	26.7	13.	249	16	21.2	17.	7.79	.22	2164813.	1564465.	29.	250.57	10.074	173.23
0067	66	97	12	0	3	85	48	27.2	19.	249	16	33.0	20.	7.79	.25	2164783.	1564469.	27.	249.06	5.976	281.21
0068	67	97	15	0	5	85	48	26.6	15.	249	16	34.3	17.	7.78	.23	2164787.	1564451.	26.	251.84	9.548	20.04
0069	68	97	18	0	4	85	48	26.6	17.	249	16	21.7	19.	7.77	.24	2164814.	1564461.	31.	247.70	3.651	85.90
0070	69	97	21	0	6	85	48	26.9	13.	249	16	19.6	15.	7.75	.22	2164814.	1564472.	32.	257.97	2.208	111.98
0071	70	98	0	0	5	85	48	27.1	14.	249	16	19.7	15.	7.74	.22	2164812.	1564478.	27.	251.63	7.292	236.08
0072	71	98	3	0	6	85	48	26.7	13.	249	16	27.6	13.	7.76	.21	2164800.	1564460.	26.	249.81	7.245	132.98
0073	72	98	6	0	6	85	48	27.4	14.	249	16	31.2	14.	7.78	.21	2164785.	1564476.	23.	248.20	5.622	211.41
0074	73	98	9	0	3	85	48	27.3	19.	249	16	38.5	22.	7.78	.25	2164771.	1564467.	27.	249.27	3.570	302.71
0075	74	98	12	0	4	85	48	26.9	18.	249	16	37.5	19.	7.79	.24	2164776.	1564458.	0.	0.00	8.453	359.74
0076	75	98	15	0	4	85	48	26.6	18.	249	16	27.1	21.	7.78	.24	2164802.	1564458.	23.	238.55	3.874	93.21
0077	76	98	18	0	7	85	48	27.0	12.	249	16	25.5	14.	7.78	.20	2164801.	1564469.	27.	249.09	3.057	206.60
0078	77	98	21	0	4	85	48	27.0	14.	249	16	29.6	17.	7.78	.23	2164793.	1564465.	28.	249.71	3.769	246.46
0079	78	99	0	0	3	85	48	26.7	18.	249	16	33.0	20.	7.78	.25	2164788.	1564455.	27.	245.88	1.481	347.27
0080	79	99	3	0	4	85	48	26.6	17.	249	16	31.4	16.	7.82	.24	2164793.	1564454.	22.	244.62	11.398	76.03
0081	80	99	6	0	3	85	48	27.5	20.	249	16	22.8	21.	7.87	.26	2164801.	1564487.	28.	249.24	30.866	274.12
0082	81	99	9	0	5	85	48	24.7	15.	249	16	34.5	16.	7.91	.23	2164808.	1564395.	27.	249.07	62.469	274.74
0083	82	99	12	0	4	85	48	18.9	19.	249	16	57.2	20.	7.93	.24	2164823.	1564209.	56.	261.41	128.272	248.55
0084	83	99	15	0	1	85	48	9.7	42.	249	18	51.0	45.	7.96	.30	2164683.	1563853.	24.	259.48	314.384	277.09
0085	84	99	18	0	3	85	47	40.1	22.	249	20	28.4	22.	8.02	.27	2164799.	1562921.	48.	84.99	336.010	281.83
0086	85	99	21	0	2	85	47	8.0	22.	249	21	36.3	26.	8.08	.29	2165004.	1561939.	36.	254.64	278.067	287.73
0087	86	100	0	0	5	85	46	41.2	14.	249	21	54.9	15.	8.13	.24	2165257.	1561148.	18.	227.62	239.662	300.28
0088	87	100	3	0	3	85	46	18.3	19.	249	21	2.2	20.	8.16	.26	2165618.	1560530.	35.	258.36	237.103	323.60

0089	88	100	6	0	5	85	45	59.1	14.	249	18	13.3	15.	8.22	.23	2166188.	1560110.	4.	20.60	204.630	340.99
0090	89	100	9	0	4	85	45	46.4	16.	249	14	47.3	17.	8.26	.24	2166766.	1559911.	30.	250.55	199.910	357.77
0091	90	100	12	0	3	85	45	38.9	20.	249	10	46.5	19.	8.28	.26	2167362.	1559888.	58.	258.43	160.749	357.57
0092	91	100	15	0	3	85	45	32.7	20.	249	7	33.4	23.	8.29	.26	2167842.	1559867.	31.	251.08	155.963	348.20
0093	92	100	18	0	4	85	45	24.6	17.	249	4	41.8	19.	8.30	.25	2168298.	1559772.	28.	250.41	140.402	327.86
0094	93	100	21	0	4	85	45	13.7	18.	249	2	51.7	19.	8.31	.24	2168653.	1559549.	26.	252.39	82.139	279.15
0095	94	101	0	0	7	85	45	5.9	13.	249	3	13.6	13.	8.34	.20	2168692.	1559307.	32.	228.07	78.995	210.88
0096	95	101	3	0	5	85	45	4.6	14.	249	4	55.1	14.	8.34	.22	2168489.	1559186.	33.	232.33	43.614	190.43
0097	96	101	6	0	6	85	45	5.4	14.	249	5	51.1	15.	8.38	.21	2168361.	1559162.	29.	251.70	34.170	169.35
0098	97	101	9	0	7	85	45	7.1	13.	249	6	29.1	13.	8.39	.20	2168261.	1559181.	28.	250.22	16.522	177.24
0099	98	101	12	0	6	85	45	7.8	14.	249	6	48.9	13.	8.40	.21	2168212.	1559184.	28.	249.20	10.136	179.89
0100	99	101	15	0	5	85	45	8.1	14.	249	7	1.2	16.	8.39	.22	2168181.	1559184.	28.	249.24	6.867	87.45
0101	100	101	18	0	5	85	45	8.7	15.	249	6	57.7	16.	8.38	.22	2168182.	1559204.	28.	248.80	13.262	129.76
0102	101	101	21	0	6	85	45	9.9	13.	249	7	3.3	15.	8.36	.21	2168157.	1559235.	35.	251.73	4.967	127.92
0103	102	102	0	0	4	85	45	10.4	17.	249	7	5.2	18.	8.35	.23	2168148.	1559246.	23.	250.08	6.223	165.91
0104	103	102	3	0	3	85	45	10.7	20.	249	7	11.8	20.	8.35	.25	2168130.	1559251.	24.	244.26	4.475	97.53
0105	104	102	6	0	5	85	45	11.2	16.	249	7	10.5	16.	8.34	.23	2168128.	1559264.	28.	249.72	4.267	178.69
0106	105	102	9	0	3	85	45	11.3	21.	249	7	15.6	23.	8.34	.25	2168115.	1559264.	31.	257.76	6.315	174.18
0107	106	102	12	0	3	85	45	11.6	18.	249	7	23.0	19.	8.34	.26	2168096.	1559266.	28.	256.52	9.017	101.12
0108	107	102	15	0	5	85	45	12.4	15.	249	7	21.0	18.	8.34	.23	2168091.	1559293.	32.	249.67	31.575	103.05
0109	108	102	18	0	4	85	45	15.5	18.	249	7	15.4	20.	8.35	.24	2168070.	1559384.	18.	200.72	75.249	123.92
0110	109	102	21	0	2	85	45	22.6	28.	249	7	37.6	33.	8.34	.28	2167945.	1559571.	22.	199.15	151.089	124.34
0111	110	103	0	0	4	85	45	36.8	19.	249	8	23.6	21.	8.35	.25	2167690.	1559943.	28.	198.24	138.937	127.98
0112	112	103	6	0	2	85	46	2.4	26.	249	10	10.7	26.	8.36	.32	2167180.	1560598.	25.	262.17	169.697	125.85
0113	113	103	9	0	3	85	46	18.3	18.	249	11	8.4	22.	8.37	.28	2166883.	1561008.	34.	266.99	228.332	124.25
0114	114	103	12	0	3	85	46	39.8	21.	249	12	18.1	23.	8.40	.27	2166499.	1561572.	74.	285.05	266.848	122.06
0115	115	103	15	0	3	85	47	5.4	19.	249	13	27.4	20.	8.44	.26	2166071.	1562255.	30.	256.33	290.720	123.42
0116	116	103	18	0	6	85	47	32.8	14.	249	14	51.3	14.	8.48	.22	2165593.	1562979.	26.	272.98	315.671	132.75
0117	117	103	21	0	5	85	48	1.1	14.	249	17	27.5	18.	8.49	.22	2164953.	1563671.	53.	232.06	333.056	147.91
0118	118	104	0	0	1	85	48	26.7	31.	249	21	53.8	33.	8.51	.30	2164111.	1564200.	53.	224.32	321.964	158.64
0119	119	104	3	0	5	85	48	47.5	15.	249	27	10.7	16.	8.56	.24	2163215.	1564550.	25.	250.38	290.950	164.67
0120	120	104	6	0	6	85	49	4.0	14.	249	32	23.3	14.	8.56	.21	2162377.	1564779.	27.	249.46	280.622	162.76
0121	121	104	9	0	6	85	49	20.6	13.	249	37	18.0	14.	8.54	.21	2161577.	1565028.	19.	260.70	289.229	170.58
0122	122	104	12	0	8	85	49	34.5	11.	249	42	51.5	11.	8.53	.19	2160725.	1565169.	22.	243.02	266.801	169.27
0123	123	104	15	0	7	85	49	47.7	11.	249	47	55.6	12.	8.52	.20	2159942.	1565317.	21.	270.38	196.088	157.08
0124	124	104	18	0	6	85	50	0.7	12.	249	51	6.0	12.	8.52	.21	2159403.	1565545.	23.	278.71	161.156	153.01
0125	125	104	21	0	6	85	50	12.1	11.	249	53	32.1	13.	8.47	.21	2158974.	1565764.	34.	233.52	164.348	147.51
0126	126	105	0	0	8	85	50	24.7	10.	249	55	45.1	10.	8.39	.19	2158560.	1566027.	38.	263.35	224.032	144.23
0127	127	105	3	0	5	85	50	42.6	13.	249	58	33.0	13.	8.33	.22	2158018.	1566418.	32.	211.27	288.824	137.38
0128	128	105	6	0	5	85	51	7.4	14.	250	1	30.5	14.	8.32	.22	2157383.	1567002.	33.	270.11	275.178	138.37
0129	129	105	9	0	6	85	51	30.8	13.	250	4	25.7	15.	8.33	.21	2156769.	1567548.	28.	250.11	257.472	160.10
0130	130	105	12	0	5	85	51	46.8	14.	250	8	50.7	15.	8.35	.22	2156046.	1567810.	14.	267.11	297.285	187.60
0131	131	105	15	0	7	85	51	52.9	11.	250	15	20.3	12.	8.34	.20	2155166.	1567692.	26.	249.32	317.985	188.72
0132	132	105	18	0	8	85	51	58.7	10.	250	22	19.0	10.	8.37	.19	2154228.	1567548.	26.	249.45	340.590	190.36
0133	133	105	21	0	7	85	52	4.0	11.	250	29	50.0	12.	8.41	.20	2153227.	1567366.	28.	254.14	380.237	187.95

0134	134	106	0	0	5	85	52	11.3	14.	250	38	10.2	14.	8.45	.22	2152103.	1567209.	27.	252.92	374.289	187.27
0135	135	106	3	0	6	85	52	18.8	12.	250	46	21.8	12.	8.48	.21	2150994.	1567067.	23.	256.48	302.448	182.48
0136	136	106	6	0	7	85	52	27.2	12.	250	52	51.0	12.	8.46	.20	2150092.	1567028.	31.	228.74	248.535	184.05
0137	137	106	9	0	4	85	52	33.5	15.	250	58	13.7	17.	8.42	.23	2149352.	1566976.	18.	322.85	188.836	175.76
0138	138	106	12	0	5	85	52	40.7	15.	251	2	7.1	15.	8.41	.22	2148789.	1567017.	56.	218.87	201.820	171.67
0139	139	106	15	0	6	85	52	49.6	14.	251	6	8.5	14.	8.38	.21	2148193.	1567105.	40.	277.78	165.299	160.73
0140	140	106	18	0	5	85	52	59.5	14.	251	9	3.5	16.	8.35	.22	2147727.	1567267.	60.	250.90	113.542	163.67
0141	141	106	21	0	4	85	53	5.8	15.	251	11	8.6	19.	8.35	.23	2147402.	1567363.	29.	243.00	55.018	180.41
0142	142	107	0	0	6	85	53	7.5	13.	251	12	18.9	12.	8.32	.21	2147238.	1567362.	33.	231.74	16.772	176.03
0143	143	107	3	0	3	85	53	8.1	20.	251	12	39.7	20.	8.27	.25	2147188.	1567365.	28.	246.35	53.103	245.37
0144	144	107	6	0	5	85	53	4.4	16.	251	13	28.9	15.	8.20	.23	2147122.	1567221.	30.	265.06	39.804	256.89
0145	145	107	9	0	4	85	53	1.1	18.	251	13	57.2	20.	8.16	.24	2147095.	1567105.	26.	228.50	30.457	232.01
0146	146	107	12	0	2	85	52	59.5	27.	251	14	31.6	30.	8.15	.28	2147039.	1567034.	27.	247.88	13.330	194.06
0147	148	107	18	0	3	85	52	59.7	20.	251	15	7.3	22.	8.07	.16	2146961.	1567014.	30.	253.49	24.786	180.49
0148	149	107	21	0	3	85	53	0.5	20.	251	15	39.1	24.	8.07	.14	2146887.	1567014.	27.	259.47	3.489	74.89
0149	150	108	0	0	4	85	53	0.7	16.	251	15	36.4	17.	8.11	.12	2146890.	1567024.	24.	245.61	1.113	271.09
0150	151	108	3	0	4	85	53	0.6	18.	251	15	36.9	17.	8.15	.12	2146890.	1567020.	28.	251.16	4.223	120.84
0151	152	108	6	0	5	85	53	1.0	14.	251	15	38.1	14.	8.18	.10	2146884.	1567031.	28.	250.97	5.869	185.25
0152	153	108	9	0	4	85	53	1.2	15.	251	15	45.8	16.	8.13	.11	2146866.	1567030.	23.	254.34	29.038	210.92
0153	154	108	12	0	5	85	53	0.6	14.	251	16	24.0	15.	8.07	.10	2146792.	1566985.	28.	259.78	47.692	200.66
0154	155	108	15	0	5	85	53	0.4	14.	251	17	28.2	16.	8.00	.10	2146659.	1566935.	30.	250.02	27.697	222.58
0155	156	108	18	0	5	85	52	59.3	13.	251	18	2.3	14.	7.92	.10	2146598.	1566879.	27.	238.74	30.016	217.61
0156	157	108	21	0	6	85	52	58.4	12.	251	18	40.6	13.	7.83	.09	2146527.	1566824.	26.	258.87	25.513	224.83
0157	158	109	0	0	8	85	52	57.3	10.	251	19	11.4	10.	7.77	.08	2146473.	1566770.	30.	255.36	20.246	341.37
0158	159	109	3	0	7	85	52	56.1	11.	251	18	49.7	11.	7.73	.08	2146530.	1566751.	27.	258.70	28.720	115.70
0159	160	109	6	0	3	85	52	58.9	19.	251	18	54.4	19.	7.70	.11	2146493.	1566828.	13.	230.58	10.465	176.43
0160	161	109	9	0	6	85	52	59.3	12.	251	19	7.5	14.	7.68	.09	2146462.	1566830.	29.	250.04	18.144	233.15
0161	162	109	12	0	6	85	52	58.3	12.	251	19	27.6	13.	7.66	.09	2146429.	1566787.	31.	252.33	33.061	297.77
0162	163	109	15	0	4	85	52	55.1	15.	251	19	20.6	15.	7.65	.10	2146475.	1566700.	33.	249.53	50.693	236.09
0163	164	109	18	0	3	85	52	52.1	18.	251	20	14.8	18.	7.64	.12	2146391.	1566574.	26.	251.52	26.822	237.97
0164	165	109	21	0	2	85	52	50.5	21.	251	20	42.7	24.	7.63	.14	2146348.	1566506.	23.	261.87	13.630	254.79
0165	166	110	0	0	3	85	52	49.4	19.	251	20	53.0	21.	7.62	.12	2146338.	1566467.	28.	252.11	30.049	250.02
0166	167	110	3	0	7	85	52	47.1	12.	251	21	18.2	12.	7.64	.08	2146307.	1566383.	32.	266.41	34.706	246.07
0167	168	110	6	0	7	85	52	44.7	11.	251	21	49.8	12.	7.66	.08	2146265.	1566288.	32.	263.41	11.454	212.28
0168	169	110	9	0	4	85	52	44.4	15.	251	22	4.8	17.	7.66	.10	2146236.	1566270.	28.	259.90	2.211	104.64
0169	170	110	12	0	3	85	52	44.6	18.	251	22	4.6	19.	7.66	.11	2146234.	1566276.	26.	249.53	8.525	155.18
0170	171	110	15	0	6	85	52	45.2	13.	251	22	12.9	13.	7.65	.09	2146211.	1566287.	30.	254.45	2.109	85.31
0171	172	110	18	0	5	85	52	45.4	13.	251	22	11.8	15.	7.65	.09	2146212.	1566293.	28.	251.90	5.349	298.87
0172	173	110	21	0	6	85	52	44.8	12.	251	22	10.5	13.	7.64	.08	2146219.	1566279.	30.	249.17	8.930	319.96
0173	174	111	0	0	6	85	52	44.1	12.	251	22	4.3	13.	7.64	.08	2146240.	1566262.	29.	257.47	8.124	344.35
0174	175	111	3	0	4	85	52	43.7	16.	251	21	55.2	17.	7.66	.10	2146263.	1566255.	28.	246.43	25.507	288.75
0175	176	111	6	0	7	85	52	41.2	11.	251	21	55.2	12.	7.64	.08	2146288.	1566183.	27.	256.19	41.105	297.43
0176	177	111	9	0	7	85	52	37.3	12.	251	21	46.7	12.	7.65	.08	2146344.	1566074.	29.	252.65	64.405	291.23
0177	178	111	12	0	5	85	52	31.1	14.	251	21	42.8	14.	7.64	.09	2146414.	1565895.	22.	245.37	48.324	279.17
0178	179	111	15	0	5	85	52	26.4	14.	251	21	53.5	13.	7.64	.09	2146437.	1565752.	28.	275.79	19.134	289.12

0179	180	111	18	0	4	85	52	24.6	15.	251	21	53.3	15.	7.63	.10	2146456.	1565698.	19.	252.20	9.694	38.24
0180	181	111	21	0	5	85	52	24.9	12.	251	21	41.0	14.	7.64	.09	2146478.	1565716.	27.	256.08	5.818	335.72
0181	182	112	0	0	6	85	52	24.5	12.	251	21	35.3	12.	7.63	.08	2146494.	1565709.	28.	252.45	13.797	331.06
0182	183	112	3	0	5	85	52	23.5	14.	251	21	22.8	14.	7.62	.09	2146530.	1565689.	28.	251.77	17.344	270.90
0183	184	112	6	0	5	85	52	21.9	14.	251	21	29.9	13.	7.62	.09	2146531.	1565637.	27.	257.89	3.843	337.03
0184	185	112	9	0	8	85	52	21.7	11.	251	21	26.0	11.	7.62	.07	2146542.	1565633.	28.	254.33	8.277	26.39
0185	186	112	12	0	6	85	52	21.8	13.	251	21	15.0	13.	7.62	.08	2146564.	1565644.	31.	255.66	4.849	345.10
0186	187	112	15	0	7	85	52	21.5	12.	251	21	9.5	12.	7.62	.08	2146578.	1565640.	33.	259.80	2.968	149.48
0187	188	112	18	0	7	85	52	21.8	11.	251	21	12.2	12.	7.62	.08	2146570.	1565645.	0.	0.00	10.467	13.59
0188	189	112	21	0	2	85	52	21.7	21.	251	20	58.1	23.	7.61	.13	2146600.	1565652.	0.	0.00	9.941	306.37
0189	190	113	0	0	4	85	52	20.8	17.	251	20	54.1	18.	7.61	.10	2146618.	1565628.	0.	0.00	20.605	329.99
0190	191	113	3	0	5	85	52	19.3	15.	251	20	35.8	16.	7.61	.09	2146671.	1565597.	0.	0.00	26.686	347.49
0191	192	113	6	0	3	85	52	17.9	20.	251	20	5.1	20.	7.61	.11	2146749.	1565580.	28.	255.84	29.534	343.67
0192	193	113	9	0	3	85	52	16.3	22.	251	19	32.6	23.	7.61	.12	2146834.	1565555.	31.	257.85	41.145	332.65
0193	194	113	12	0	4	85	52	13.4	18.	251	18	54.3	19.	7.61	.10	2146943.	1565499.	28.	252.65	79.154	333.65
0194	195	113	15	0	5	85	52	8.0	14.	251	17	39.2	16.	7.61	.09	2147155.	1565394.	28.	249.79	120.945	335.19
0195	196	113	18	0	2	85	51	60.0	22.	251	15	41.5	24.	7.62	.13	2147482.	1565242.	22.	227.81	108.260	335.39
0196	197	113	21	0	3	85	51	52.4	20.	251	13	57.3	22.	7.62	.12	2147777.	1565097.	47.	279.79	136.691	337.78
0197	198	114	0	0	5	85	51	43.7	13.	251	11	39.0	14.	7.64	.09	2148155.	1564942.	30.	271.33	155.088	339.89
0198	199	114	3	0	8	85	51	34.3	11.	251	8	57.4	11.	7.66	.08	2148590.	1564783.	29.	249.95	143.551	342.16
0199	200	114	6	0	6	85	51	26.0	12.	251	6	23.3	13.	7.68	.09	2148998.	1564652.	29.	247.68	105.809	337.40
0200	201	114	9	0	5	85	51	19.2	14.	251	4	37.3	14.	7.69	.09	2149290.	1564530.	45.	223.09	59.226	330.61
0201	202	114	12	0	4	85	51	15.0	17.	251	3	44.6	19.	7.69	.10	2149444.	1564444.	28.	250.38	49.975	307.46
0202	203	114	15	0	3	85	51	10.4	19.	251	3	23.4	18.	7.69	.12	2149534.	1564325.	25.	253.97	61.938	328.95
0203	205	114	21	0	2	85	51	1.2	20.	251	1	36.9	22.	7.69	.15	2149851.	1564134.	13.	269.37	35.812	309.60
0204	206	115	0	0	4	85	50	58.0	15.	251	1	20.1	15.	7.69	.11	2149919.	1564052.	30.	249.42	39.929	275.83
0205	207	115	3	0	6	85	50	54.2	12.	251	1	32.2	12.	7.69	.09	2149932.	1563933.	24.	259.28	51.489	257.02
0206	208	115	6	0	7	85	50	50.0	11.	251	2	8.6	12.	7.70	.08	2149897.	1563784.	31.	247.57	58.992	270.13
0207	209	115	9	0	7	85	50	44.6	11.	251	2	34.0	11.	7.72	.08	2149897.	1563607.	28.	251.18	84.057	305.77
0208	210	115	12	0	6	85	50	36.8	13.	251	2	1.6	13.	7.73	.09	2150044.	1563404.	28.	249.95	203.958	323.89
0209	211	115	15	0	6	85	50	20.6	13.	250	59	26.0	13.	7.77	.09	2150536.	1563045.	26.	275.90	231.642	333.28
0210	212	115	18	0	7	85	50	4.6	12.	250	55	50.7	12.	7.80	.08	2151154.	1562734.	35.	212.88	213.685	332.05
0211	213	115	21	0	5	85	49	49.4	14.	250	52	37.0	15.	7.82	.10	2151718.	1562435.	28.	250.02	188.906	346.99
0212	214	116	0	0	7	85	49	39.7	11.	250	49	4.4	12.	7.83	.08	2152267.	1562308.	28.	252.20	183.527	2.72
0213	215	116	3	0	7	85	49	34.7	11.	250	45	10.6	12.	7.85	.08	2152815.	1562334.	28.	252.10	140.810	9.75
0214	216	116	6	0	5	85	49	32.4	13.	250	42	6.1	14.	7.87	.10	2153229.	1562405.	36.	224.54	41.216	356.79
0215	217	116	9	0	4	85	49	30.9	16.	250	41	15.5	17.	7.87	.11	2153352.	1562398.	28.	256.33	64.471	193.68
0216	218	116	12	0	5	85	49	31.5	15.	250	42	40.7	15.	7.89	.10	2153165.	1562353.	39.	309.65	33.337	195.10
0217	219	116	15	0	4	85	49	31.7	15.	250	43	24.9	16.	7.90	.11	2153069.	1562327.	26.	256.95	42.403	194.00
0218	220	116	18	0	4	85	49	32.1	16.	250	44	21.0	17.	7.91	.11	2152946.	1562296.	26.	267.71	43.172	195.21
0219	221	116	21	0	4	85	49	32.4	16.	250	45	18.2	17.	7.92	.11	2152821.	1562262.	28.	243.15	31.543	182.74
0220	222	117	0	0	5	85	49	33.3	13.	250	45	58.4	15.	7.93	.10	2152727.	1562258.	27.	257.74	4.640	24.92
0221	223	117	3	0	7	85	49	33.3	12.	250	45	52.2	12.	7.93	.08	2152740.	1562263.	27.	255.36	2.760	28.89
0222	224	117	6	0	7	85	49	33.4	11.	250	45	48.6	11.	7.94	.08	2152747.	1562267.	29.	251.49	3.851	349.05
0223	225	117	9	0	9	85	49	33.2	9.	250	45	44.2	10.	7.95	.08	2152758.	1562265.	28.	251.70	2.400	1.42

0224	226	117	12	0	7	85	49	33.1	11.	250	45	41.2	11.	7.97	.08	2152766.	1562265.	28.	249.58	23.539	354.42
0225	227	117	15	0	8	85	49	32.2	10.	250	45	12.8	10.	7.98	.08	2152835.	1562259.	28.	250.67	44.603	9.36
0226	228	117	18	0	7	85	49	31.4	11.	250	44	14.4	11.	7.98	.08	2152967.	1562280.	28.	253.54	45.143	5.54
0227	229	117	21	0	6	85	49	30.4	11.	250	43	16.2	13.	7.99	.09	2153101.	1562293.	28.	251.41	34.278	9.71
0228	230	118	0	0	4	85	49	29.8	15.	250	42	31.3	17.	8.00	.11	2153202.	1562311.	27.	247.71	22.456	17.81
0229	231	118	3	0	6	85	49	29.8	13.	250	42	1.5	14.	8.00	.09	2153266.	1562331.	29.	248.61	2.747	6.53
0230	232	118	6	0	3	85	49	29.7	21.	250	41	57.9	21.	8.00	.12	2153274.	1562332.	28.	252.34	14.113	234.07
0231	233	118	9	0	3	85	49	28.9	19.	250	42	13.3	21.	8.01	.12	2153249.	1562298.	31.	241.44	29.476	211.84
0232	234	118	12	0	3	85	49	28.3	21.	250	42	51.5	22.	8.01	.12	2153174.	1562251.	27.	251.86	3.467	194.69
0233	235	118	15	0	4	85	49	28.3	17.	250	42	56.1	17.	8.01	.11	2153164.	1562249.	39.	241.82	15.510	17.85
0234	236	118	18	0	4	85	49	28.3	16.	250	42	35.5	17.	8.02	.11	2153208.	1562263.	30.	245.56	18.926	304.88
0235	237	118	21	0	4	85	49	26.5	15.	250	42	28.8	17.	8.02	.11	2153241.	1562217.	29.	255.00	14.889	273.53
0236	238	119	0	0	2	85	49	25.7	22.	250	42	47.4	23.	8.03	.14	2153210.	1562178.	40.	225.62	22.192	189.46
0237	239	119	3	0	5	85	49	26.1	15.	250	43	16.5	16.	8.04	.10	2153144.	1562167.	25.	258.26	23.274	181.24
0238	240	119	6	0	3	85	49	26.8	19.	250	43	45.9	21.	8.04	.12	2153075.	1562166.	26.	249.48	22.100	184.42
0239	241	119	9	0	3	85	49	27.3	21.	250	44	14.2	21.	8.04	.12	2153009.	1562161.	32.	252.13	25.886	178.27
0240	242	119	12	0	2	85	49	28.2	30.	250	44	46.3	30.	8.05	.14	2152932.	1562163.	33.	215.88	39.076	180.10
0241	243	119	15	0	5	85	49	29.4	15.	250	45	35.3	16.	8.05	.10	2152815.	1562163.	28.	251.58	14.475	139.45
0242	244	119	18	0	5	85	49	30.7	14.	250	45	45.0	15.	8.05	.10	2152782.	1562191.	30.	269.83	12.520	205.18
0243	245	119	21	0	8	85	49	30.5	10.	250	46	1.6	11.	8.06	.08	2152749.	1562175.	28.	251.83	22.456	201.42
0244	246	120	0	0	6	85	49	30.4	12.	250	46	31.4	12.	8.07	.09	2152686.	1562150.	30.	222.77	3.727	321.76
0245	247	120	3	0	5	85	49	30.1	13.	250	46	28.7	14.	8.06	.10	2152695.	1562144.	37.	241.13	16.971	179.40
0246	248	120	6	0	4	85	49	30.7	15.	250	46	49.9	15.	8.06	.11	2152644.	1562144.	28.	251.78	44.488	180.57
0247	249	120	9	0	7	85	49	32.1	11.	250	47	45.9	12.	8.07	.09	2152511.	1562143.	28.	253.15	76.158	186.59
0248	250	120	12	0	4	85	49	33.7	16.	250	49	24.6	17.	8.08	.11	2152285.	1562117.	25.	249.15	50.223	192.76
0249	251	120	15	0	7	85	49	34.2	11.	250	50	30.9	12.	8.09	.09	2152139.	1562084.	28.	257.83	26.000	157.71
0250	252	120	18	0	7	85	49	35.9	11.	250	50	56.8	11.	8.10	.09	2152067.	1562113.	26.	253.91	19.315	154.63
0251	253	120	21	0	8	85	49	37.2	10.	250	51	15.1	10.	8.10	.08	2152015.	1562138.	28.	248.67	23.264	161.55
0252	254	121	0	0	7	85	49	38.6	10.	250	51	39.6	11.	8.12	.09	2151949.	1562160.	29.	252.20	47.169	164.90
0253	255	121	3	0	7	85	49	41.1	11.	250	52	31.4	11.	8.13	.09	2151813.	1562196.	28.	252.04	51.257	161.81
0254	256	121	6	0	7	85	49	44.1	11.	250	53	25.6	12.	8.14	.09	2151668.	1562244.	28.	251.87	50.837	158.25
0255	257	121	9	0	6	85	49	47.4	12.	250	54	16.8	12.	8.14	.09	2151527.	1562300.	30.	265.77	54.701	155.71
0256	258	121	12	0	8	85	49	51.0	10.	250	55	9.6	11.	8.15	.08	2151378.	1562368.	27.	267.08	90.319	168.42
0257	259	121	15	0	8	85	49	55.4	10.	250	56	53.0	10.	8.16	.08	2151114.	1562422.	27.	252.89	79.418	157.81
0258	260	121	18	0	7	85	50	0.5	11.	250	58	12.5	11.	8.17	.09	2150894.	1562511.	27.	255.63	49.344	150.33
0259	261	121	21	0	9	85	50	4.1	9.	250	58	55.8	10.	8.18	.08	2150766.	1562584.	27.	250.11	82.566	167.38
0260	262	122	0	0	8	85	50	8.3	9.	251	0	29.4	10.	8.19	.08	2150526.	1562638.	27.	243.53	126.212	162.84
0261	263	122	3	0	5	85	50	15.5	13.	251	2	45.2	14.	8.19	.10	2150166.	1562749.	33.	293.76	131.573	161.83
0262	264	122	6	0	7	85	50	23.1	12.	251	5	5.0	13.	8.21	.09	2149792.	1562872.	32.	233.85	43.487	150.00
0263	265	122	9	0	5	85	50	26.3	14.	251	5	43.1	14.	8.22	.10	2149680.	1562937.	28.	241.76	96.407	161.10
0264	266	122	12	0	5	85	50	32.0	15.	251	7	24.7	17.	8.22	.10	2149408.	1563030.	18.	222.46	205.697	151.73
0265	267	122	15	0	4	85	50	46.6	17.	251	10	31.5	16.	8.24	.11	2148867.	1563321.	29.	257.48	245.297	150.52
0266	268	122	18	0	4	85	51	4.3	21.	251	14	9.6	19.	8.27	.11	2148229.	1563681.	44.	312.77	227.726	159.73
0267	269	122	21	0	2	85	51	18.2	26.	251	18	6.2	28.	8.29	.15	2147591.	1563917.	27.	259.17	220.424	159.80
0268	270	123	0	0	4	85	51	31.5	17.	251	21	55.9	18.	8.31	.11	2146974.	1564144.	26.	250.72	193.546	172.40

0269	271	123	3	0	6	85	51	39.8	13.	251	25	48.5	14.	8.32	.10	2146401.	1564221.	25.	245.36	177.917	187.23
0270	272	123	6	0	3	85	51	43.2	19.	251	29	42.2	20.	8.33	.13	2145874.	1564154.	31.	252.47	187.204	195.83
0271	273	123	9	0	4	85	51	44.0	17.	251	33	52.8	18.	8.34	.12	2145336.	1564001.	21.	260.01	186.218	197.25
0272	274	123	12	0	5	85	51	44.4	16.	251	38	2.3	16.	8.35	.11	2144805.	1563836.	29.	234.16	133.469	193.05
0273	275	123	15	0	4	85	51	45.6	20.	251	41	0.4	20.	8.36	.12	2144417.	1563746.	21.	257.69	102.527	188.64
0274	276	123	18	0	3	85	51	47.2	19.	251	43	15.9	23.	8.36	.13	2144114.	1563700.	32.	262.37	76.029	213.13
0275	277	123	21	0	5	85	51	45.3	14.	251	44	54.4	16.	8.37	.11	2143924.	1563576.	28.	249.58	31.302	213.20
0276	279	124	0	0	5	85	51	44.6	12.	251	45	34.9	13.	8.36	.07	2143846.	1563525.	27.	257.70	17.235	340.12
0277	280	124	3	0	4	85	51	43.5	16.	251	45	16.7	17.	8.37	.08	2143894.	1563508.	26.	265.01	10.660	38.09
0278	281	124	6	0	6	85	51	43.9	13.	251	45	3.3	14.	8.41	.06	2143919.	1563527.	29.	255.67	5.059	137.87
0279	282	124	9	0	6	85	51	44.3	14.	251	45	6.7	13.	8.48	.06	2143908.	1563537.	27.	251.89	15.682	128.79
0280	283	124	12	0	6	85	51	45.7	12.	251	45	14.0	14.	8.52	.06	2143879.	1563574.	28.	254.98	35.443	127.66
0281	284	124	15	0	8	85	51	49.0	11.	251	45	29.8	11.	8.53	.05	2143814.	1563658.	27.	253.85	38.433	116.86
0282	285	124	18	0	7	85	51	52.6	11.	251	45	37.6	11.	8.56	.05	2143762.	1563760.	28.	254.00	36.822	103.60
0283	286	124	21	0	5	85	51	56.2	13.	251	45	33.6	14.	8.58	.06	2143736.	1563867.	32.	257.37	35.984	76.39
0284	287	125	0	0	5	85	51	59.1	13.	251	45	8.1	14.	8.59	.06	2143762.	1563971.	28.	253.30	24.477	61.65
0285	288	125	3	0	7	85	52	0.8	12.	251	44	44.2	12.	8.59	.05	2143796.	1564036.	28.	253.52	56.648	332.11
0286	289	125	6	0	6	85	51	56.8	12.	251	43	51.6	13.	8.60	.05	2143946.	1563957.	27.	253.53	108.855	314.03
0287	290	125	9	0	8	85	51	47.3	10.	251	42	48.2	10.	8.65	.05	2144172.	1563723.	27.	252.25	166.642	296.55
0288	291	125	12	0	9	85	51	31.4	9.	251	42	16.1	10.	8.69	.04	2144394.	1563278.	15.	222.30	114.259	284.07
0289	292	125	15	0	7	85	51	20.4	11.	251	42	27.4	12.	8.68	.05	2144477.	1562947.	21.	248.10	34.820	272.40
0290	293	125	18	0	3	85	51	17.1	18.	251	42	40.1	20.	8.68	.07	2144481.	1562843.	36.	267.49	13.688	223.97
0291	294	125	21	0	6	85	51	16.6	13.	251	42	56.6	14.	8.69	.05	2144452.	1562815.	49.	262.33	13.044	98.73
0292	295	126	0	0	6	85	51	17.8	12.	251	42	53.7	13.	8.69	.05	2144446.	1562853.	28.	253.22	11.937	325.66
0293	296	126	3	0	6	85	51	16.9	13.	251	42	44.0	14.	8.70	.05	2144475.	1562833.	27.	251.80	33.317	287.42
0294	297	126	6	0	5	85	51	13.7	14.	251	42	44.7	15.	8.70	.06	2144505.	1562738.	26.	255.99	38.162	301.03
0295	298	126	9	0	5	85	51	10.1	14.	251	42	33.5	14.	8.70	.06	2144564.	1562640.	28.	252.47	29.507	321.57
0296	299	126	12	0	4	85	51	7.7	16.	251	42	11.8	18.	8.71	.06	2144633.	1562586.	28.	246.37	59.442	327.25
0297	300	126	15	0	5	85	51	3.2	15.	251	41	21.9	16.	8.72	.06	2144782.	1562490.	28.	251.29	61.687	325.41
0298	301	126	18	0	5	85	50	58.4	14.	251	40	32.2	15.	8.71	.06	2144934.	1562385.	28.	252.32	58.367	333.22
0299	302	126	21	0	4	85	50	54.4	15.	251	39	37.1	17.	8.71	.06	2145089.	1562307.	28.	251.89	43.959	336.17
0300	303	127	0	0	6	85	50	51.6	13.	251	38	53.6	13.	8.71	.05	2145209.	1562253.	27.	252.54	71.252	336.32
0301	304	127	3	0	3	85	50	47.0	18.	251	37	43.0	19.	8.71	.07	2145404.	1562168.	49.	292.40	6.890	101.27
0302	305	127	6	0	4	85	50	47.6	16.	251	37	41.9	16.	8.72	.06	2145400.	1562188.	22.	260.71	3.450	40.40
0303	306	127	9	0	5	85	50	47.8	15.	251	37	37.6	16.	8.72	.06	2145408.	1562195.	27.	249.80	6.914	305.18
0304	307	127	12	0	3	85	50	47.1	19.	251	37	34.9	21.	8.72	.07	2145420.	1562178.	24.	240.29	11.091	341.73
0305	308	127	15	0	5	85	50	46.5	14.	251	37	23.0	16.	8.72	.06	2145452.	1562168.	28.	253.10	32.585	321.99
0306	309	127	18	0	5	85	50	43.9	13.	251	36	59.0	15.	8.72	.06	2145528.	1562108.	33.	255.24	39.824	324.92
0307	310	127	21	0	5	85	50	40.7	14.	251	36	26.8	15.	8.72	.06	2145627.	1562038.	28.	249.14	4.643	69.64
0308	311	128	0	0	3	85	50	41.0	18.	251	36	23.0	21.	8.71	.07	2145632.	1562051.	30.	271.82	8.336	186.90
0309	312	128	3	0	4	85	50	41.2	17.	251	36	33.9	18.	8.71	.06	2145607.	1562048.	30.	262.27	19.378	161.81
0310	313	128	6	0	6	85	50	42.3	12.	251	36	54.6	13.	8.70	.05	2145552.	1562066.	27.	252.58	6.868	127.50
0311	314	128	9	0	5	85	50	43.0	14.	251	36	57.6	14.	8.70	.06	2145540.	1562082.	28.	252.07	10.745	161.51
0312	315	128	12	0	6	85	50	43.6	12.	251	37	9.1	13.	8.70	.05	2145509.	1562092.	28.	252.18	5.184	193.99
0313	316	128	15	0	6	85	50	43.6	13.	251	37	16.0	14.	8.70	.05	2145494.	1562089.	25.	245.70	15.540	172.20

0314	317	128	18	0	4	85	50	44.3	16.	251	37	34.6	19.	8.69	.06	2145448.	1562095.	28.	252.55	7.426	119.01
0315	318	128	21	0	5	85	50	45.0	14.	251	37	36.4	15.	8.69	.06	2145438.	1562114.	29.	254.05	3.265	147.06
0316	319	129	0	0	4	85	50	45.2	16.	251	37	39.2	17.	8.69	.06	2145429.	1562120.	28.	252.07	3.738	184.10
0317	320	129	3	0	3	85	50	45.3	20.	251	37	44.0	19.	8.69	.07	2145418.	1562119.	29.	256.32	9.404	172.52
0318	321	129	6	0	2	85	50	45.7	22.	251	37	55.3	23.	8.69	.09	2145390.	1562122.	30.	253.82	6.293	118.79
0319	322	129	9	0	5	85	50	46.3	14.	251	37	56.8	14.	8.70	.06	2145381.	1562139.	27.	252.65	5.998	189.50
0320	323	129	12	0	5	85	50	46.4	14.	251	38	4.7	15.	8.70	.06	2145364.	1562136.	28.	253.35	10.873	188.61
0321	324	129	15	0	4	85	50	46.6	16.	251	38	19.0	17.	8.70	.07	2145332.	1562131.	27.	252.59	17.955	154.31
0322	326	129	21	0	5	85	50	49.0	15.	251	38	53.5	17.	8.70	.06	2145235.	1562178.	29.	253.01	18.254	157.40
0323	327	130	0	0	3	85	50	50.2	20.	251	39	11.9	24.	8.70	.07	2145185.	1562198.	32.	257.32	15.702	154.11
0324	328	130	3	0	1	85	50	51.2	33.	251	39	26.9	36.	8.70	.12	2145143.	1562219.	32.	252.88	9.502	149.55
0325	329	130	6	0	1	85	50	51.9	40.	251	39	35.3	41.	8.70	.12	2145118.	1562233.	28.	251.81	23.732	106.07
0326	330	130	9	0	2	85	50	54.2	42.	251	39	34.0	34.	8.70	.09	2145098.	1562301.	0.	0.00	16.255	149.91
0327	331	130	12	0	1	85	50	55.4	57.	251	39	48.4	47.	8.70	.12	2145056.	1562326.	16.	129.11	12.063	190.12
0328	332	130	15	0	4	85	50	55.5	20.	251	40	4.4	21.	8.71	.07	2145021.	1562319.	23.	259.18	3.601	207.93
0329	333	130	18	0	2	85	50	55.5	23.	251	40	9.1	26.	8.70	.09	2145012.	1562314.	26.	262.23	10.212	198.46
0330	334	130	21	0	2	85	50	55.5	23.	251	40	22.8	25.	8.71	.09	2144983.	1562305.	22.	257.54	6.485	186.39
0331	335	131	0	0	5	85	50	55.6	14.	251	40	31.2	15.	8.70	.06	2144963.	1562303.	29.	253.52	3.143	94.39
0332	336	131	3	0	3	85	50	55.9	21.	251	40	30.2	20.	8.70	.08	2144963.	1562312.	28.	250.79	.587	130.19
0333	337	131	6	0	5	85	50	56.0	15.	251	40	30.5	15.	8.70	.06	2144962.	1562313.	27.	251.81	4.839	142.26
0334	338	131	9	0	7	85	50	56.3	12.	251	40	34.1	12.	8.70	.05	2144950.	1562322.	28.	253.61	8.743	167.51
0335	339	131	12	0	6	85	50	56.8	12.	251	40	44.2	13.	8.71	.06	2144925.	1562328.	27.	256.28	16.168	160.89
0336	340	131	15	0	6	85	50	57.7	12.	251	41	1.3	13.	8.70	.06	2144879.	1562344.	45.	277.19	25.770	146.12
0337	341	131	18	0	4	85	50	59.7	15.	251	41	22.4	16.	8.68	.07	2144815.	1562386.	29.	245.76	27.952	141.28
0338	342	131	21	0	7	85	51	2.0	12.	251	41	42.7	13.	8.67	.05	2144750.	1562439.	28.	253.39	20.632	162.20
0339	343	132	0	0	4	85	51	3.1	16.	251	42	5.0	17.	8.67	.07	2144691.	1562458.	34.	275.28	30.647	161.19
0340	348	132	15	0	1	85	51	12.1	49.	251	44	48.4	44.	8.68	.14	2144258.	1562605.	25.	297.27	55.438	158.89
0341	349	132	18	0	3	85	51	15.5	21.	251	45	45.8	22.	8.68	.08	2144104.	1562665.	27.	253.18	45.226	149.61
0342	350	132	21	0	6	85	51	18.8	14.	251	46	25.7	14.	8.68	.06	2143987.	1562733.	27.	251.64	17.957	162.04
0343	351	133	0	0	4	85	51	19.8	16.	251	46	45.1	16.	8.68	.07	2143936.	1562750.	30.	219.50	1.406	189.46
0344	352	133	3	0	6	85	51	19.8	13.	251	46	47.0	14.	8.67	.06	2143932.	1562749.	25.	254.63	19.221	343.72
0345	353	133	6	0	7	85	51	18.7	12.	251	46	25.8	12.	8.67	.05	2143987.	1562733.	28.	251.44	15.709	312.78
0346	354	133	9	0	7	85	51	17.4	12.	251	46	17.1	12.	8.67	.05	2144019.	1562698.	28.	250.52	25.856	315.56
0347	355	133	12	0	4	85	51	15.1	16.	251	46	1.2	17.	8.67	.07	2144074.	1562644.	25.	254.03	47.985	331.21
0348	356	133	15	0	5	85	51	11.8	14.	251	45	17.4	15.	8.67	.06	2144200.	1562575.	30.	243.92	72.682	327.78
0349	357	133	18	0	5	85	51	6.3	13.	251	44	15.6	15.	8.67	.06	2144383.	1562460.	30.	254.17	88.589	325.24
0350	358	133	21	0	5	85	50	59.5	14.	251	43	4.4	16.	8.67	.06	2144601.	1562309.	28.	251.71	88.470	330.09
0351	359	134	0	0	3	85	50	53.1	18.	251	41	45.6	22.	8.67	.08	2144830.	1562177.	28.	250.87	81.904	337.49
0352	360	134	3	0	3	85	50	47.9	19.	251	40	22.9	22.	8.68	.08	2145056.	1562083.	27.	261.63	111.321	337.85
0353	361	134	6	0	4	85	50	40.9	18.	251	38	29.9	19.	8.68	.07	2145364.	1561958.	33.	260.28	117.117	333.45
0354	362	134	9	0	2	85	50	32.9	25.	251	36	39.2	26.	8.69	.10	2145676.	1561802.	31.	258.12	136.924	329.09
0355	363	134	12	0	2	85	50	22.9	26.	251	34	40.2	28.	8.69	.10	2146027.	1561592.	49.	272.61	173.128	330.23
0356	364	134	15	0	2	85	50	10.4	30.	251	32	6.5	33.	8.70	.10	2146476.	1561335.	36.	292.93	210.599	336.34
0357	365	134	18	0	2	85	49	56.8	26.	251	28	38.7	35.	8.72	.10	2147052.	1561083.	28.	251.41	239.520	338.78
0358	367	135	0	0	2	85	49	27.1	30.	251	20	29.6	33.	8.80	.12	2148385.	1560565.	21.	284.79	243.342	333.55

0359	368	135	3	0	1	85	49	10.4	40.	251	16	41.8	39.	8.82	.15	2149036.	1560241.	75.	239.18	223.148	324.33
0360	369	135	6	0	3	85	48	52.9	22.	251	13	49.6	20.	8.84	.10	2149577.	1559853.	27.	250.25	207.998	336.60
0361	370	135	9	0	5	85	48	39.4	16.	251	10	25.6	16.	8.86	.08	2150147.	1559606.	28.	251.75	179.823	332.23
0362	371	135	12	0	3	85	48	26.7	19.	251	7	42.1	22.	8.87	.10	2150622.	1559356.	28.	253.26	168.337	309.74
0363	372	135	15	0	5	85	48	11.5	16.	251	6	22.9	18.	8.87	.09	2150944.	1558970.	31.	255.91	149.462	305.89
0364	373	135	18	0	4	85	47	57.7	15.	251	5	25.2	17.	8.89	.09	2151205.	1558608.	28.	210.47	189.665	315.56
0365	374	135	21	0	4	85	47	41.3	16.	251	3	33.0	17.	8.89	.10	2151610.	1558211.	28.	250.66	205.741	300.14
0366	375	136	0	0	5	85	47	21.8	14.	251	2	40.4	17.	8.90	.09	2151918.	1557680.	26.	252.49	285.555	284.29
0367	376	136	3	0	5	85	46	54.3	15.	251	3	10.9	17.	8.93	.09	2152129.	1556854.	27.	254.04	291.276	294.47
0368	377	136	6	0	6	85	46	26.2	13.	251	2	34.2	14.	8.96	.08	2152489.	1556062.	27.	248.14	274.362	291.78
0369	378	136	9	0	6	85	45	59.7	13.	251	2	16.4	13.	8.97	.08	2152793.	1555301.	27.	264.50	265.905	282.80
0370	379	136	12	0	3	85	45	34.2	17.	251	2	53.8	19.	8.98	.11	2152969.	1554527.	32.	251.09	278.864	276.68
0371	380	136	15	0	7	85	45	7.8	11.	251	4	11.1	12.	9.00	.08	2153066.	1553700.	24.	260.98	287.929	286.15
0372	381	136	18	0	6	85	44	40.0	12.	251	4	29.3	13.	9.02	.09	2153305.	1552874.	28.	252.22	299.011	293.75
0373	382	136	21	0	4	85	44	11.2	16.	251	3	56.6	18.	9.03	.10	2153664.	1552057.	26.	276.06	326.348	302.17
0374	383	137	0	0	5	85	43	40.5	14.	251	2	19.6	16.	9.05	.10	2154183.	1551232.	30.	238.49	340.171	302.29
0375	384	137	3	0	4	85	43	8.5	16.	251	0	38.0	19.	9.08	.11	2154726.	1550373.	28.	250.43	365.951	305.01
0376	385	137	6	0	4	85	42	34.4	17.	250	58	27.5	17.	9.10	.11	2155353.	1549478.	30.	254.97	323.517	306.89
0377	386	137	9	0	8	85	42	4.7	11.	250	56	19.5	11.	9.13	.08	2155933.	1548706.	33.	266.97	230.030	302.80
0378	387	137	12	0	5	85	41	43.1	14.	250	55	9.1	16.	9.13	.10	2156305.	1548128.	70.	295.80	111.424	285.71
0379	388	137	15	0	5	85	41	32.3	14.	250	55	17.5	14.	9.12	.10	2156395.	1547808.	28.	255.90	33.965	133.64
0380	389	137	18	0	4	85	41	35.3	16.	250	55	35.7	17.	9.12	.11	2156325.	1547881.	28.	254.33	52.828	92.86
0381	390	137	21	0	4	85	41	40.2	15.	250	55	16.7	17.	9.13	.12	2156317.	1548039.	28.	265.95	44.820	95.59
0382	391	138	0	0	2	85	41	44.4	27.	250	55	3.2	28.	9.13	.15	2156304.	1548172.	29.	255.58	53.300	289.48
0383	392	138	15	0	2	85	41	18.6	29.	250	55	0.8	32.	9.17	.16	2156570.	1547422.	0.	0.00	168.437	315.36
0384	393	138	18	0	5	85	41	4.0	23.	250	53	25.0	24.	9.25	.12	2156927.	1547068.	0.	0.00	309.355	307.01
0385	394	138	21	0	2	85	40	35.6	43.	250	51	23.1	36.	9.35	.16	2157484.	1546331.	0.	0.00	352.701	308.02
0386	395	139	0	0	2	85	40	3.3	25.	250	48	57.0	38.	9.43	.17	2158132.	1545501.	0.	0.00	441.330	306.10
0387	396	139	3	0	5	85	39	22.5	23.	250	46	13.0	31.	9.64	.12	2158909.	1544436.	0.	0.00	543.932	307.18
0388	397	139	6	0	6	85	38	32.4	23.	250	42	39.7	29.	9.77	.12	2159890.	1543142.	0.	0.00	518.908	308.38
0389	398	139	9	0	3	85	37	45.0	35.	250	39	4.4	28.	9.84	.16	2160853.	1541927.	0.	0.00	481.622	307.93
0390	399	139	12	0	2	85	37	0.8	34.	250	35	50.2	39.	9.92	.19	2161737.	1540793.	0.	0.00	475.893	305.11
0391	400	139	15	0	7	85	36	16.5	21.	250	33	7.6	22.	10.00	.12	2162554.	1539630.	0.	0.00	508.515	309.23
0392	401	139	18	0	5	85	35	30.2	31.	250	29	31.1	34.	10.06	.14	2163515.	1538454.	0.	0.00	480.585	321.36
0393	402	139	21	0	6	85	34	50.8	20.	250	24	12.8	23.	10.13	.13	2164636.	1537558.	0.	0.00	472.767	325.23
0394	403	140	0	0	4	85	34	13.6	23.	250	18	28.0	26.	10.17	.16	2165795.	1536752.	0.	0.00	340.980	327.01
0395	404	140	3	0	5	85	33	47.3	25.	250	14	9.6	26.	10.21	.15	2166650.	1536198.	0.	0.00	162.033	302.43
0396	405	140	6	0	7	85	33	32.1	25.	250	13	25.2	28.	10.46	.13	2166909.	1535790.	0.	0.00	153.102	11.91
0397	406	140	9	0	5	85	33	30.0	22.	250	10	15.8	24.	10.55	.15	2167357.	1535884.	0.	0.00	78.938	37.71
0398	407	140	12	0	5	85	33	32.4	25.	250	8	42.0	28.	10.58	.15	2167543.	1536028.	0.	0.00	52.949	5.93
0399	408	140	15	0	4	85	33	31.1	26.	250	7	37.9	28.	10.60	.16	2167700.	1536045.	0.	0.00	96.913	334.03
0400	409	140	18	0	4	85	33	24.4	25.	250	6	13.6	31.	10.62	.16	2167961.	1535918.	0.	0.00	183.763	342.52
0401	410	140	21	0	4	85	33	13.6	31.	250	3	11.5	31.	10.66	.16	2168484.	1535753.	0.	0.00	239.116	342.79
0402	411	141	0	0	2	85	32	59.6	47.	249	59	14.0	49.	10.70	.20	2169166.	1535542.	0.	0.00	342.130	312.72
0403	412	141	3	0	3	85	32	29.1	28.	249	56	29.7	34.	10.77	.19	2169859.	1534791.	0.	0.00	370.625	312.60

0404	413	141	6	0	4	85	31	56.0	24.	249	53	33.3	26.	10.82	.17	2170609.	1533976.	0.	0.00	390.688	315.36
0405	414	141	9	0	4	85	31	21.8	24.	249	50	6.8	23.	10.88	.17	2171439.	1533156.	0.	0.00	426.145	317.20
0406	415	141	12	0	3	85	30	45.1	29.	249	46	7.4	45.	10.93	.19	2172373.	1532292.	0.	0.00	384.423	322.76
0407	416	141	15	0	3	85	30	13.8	33.	249	41	52.4	33.	10.98	.19	2173287.	1531597.	0.	0.00	303.341	327.57
0408	417	141	18	0	3	85	29	50.4	28.	249	38	6.2	35.	11.04	.19	2174051.	1531111.	0.	0.00	247.366	341.29
0409	418	141	21	0	3	85	29	35.3	31.	249	34	9.9	31.	11.08	.20	2174751.	1530874.	0.	0.00	81.187	349.94
0410	419	142	0	0	4	85	29	31.3	25.	249	32	43.8	31.	11.17	.18	2174990.	1530832.	0.	0.00	269.940	96.93
0411	420	142	3	0	5	85	29	56.7	22.	249	31	26.0	30.	11.27	.17	2174893.	1531632.	0.	0.00	429.797	101.39
0412	421	142	6	0	4	85	30	37.8	26.	249	30	2.2	25.	11.35	.18	2174639.	1532890.	0.	0.00	423.885	104.00
0413	422	142	9	0	4	85	31	18.5	26.	249	29	2.7	26.	11.41	.18	2174333.	1534119.	0.	0.00	391.717	94.88
0414	423	142	12	0	6	85	31	55.0	24.	249	26	51.7	26.	11.47	.16	2174233.	1535284.	0.	0.00	397.388	92.72
0415	424	142	15	0	7	85	32	31.5	19.	249	24	20.3	22.	11.52	.15	2174177.	1536470.	0.	0.00	422.680	111.14
0416	425	142	18	0	6	85	33	12.4	18.	249	24	25.3	21.	11.57	.16	2173722.	1537647.	0.	0.00	441.506	117.90
0417	426	142	21	0	6	85	33	54.7	19.	249	25	35.6	19.	11.62	.16	2173105.	1538813.	0.	0.00	454.339	115.05
0418	427	143	0	0	7	85	34	38.5	19.	249	26	20.0	24.	11.69	.15	2172530.	1540042.	0.	0.00	448.960	121.18
0419	428	143	3	0	8	85	35	21.2	21.	249	28	4.1	22.	11.77	.14	2171836.	1541189.	0.	0.00	383.879	123.48
0420	429	143	6	0	9	85	35	57.4	18.	249	29	52.4	18.	11.82	.14	2171204.	1542145.	0.	0.00	292.761	122.55
0421	430	143	9	0	9	85	36	25.1	17.	249	31	9.6	18.	11.84	.14	2170733.	1542882.	0.	0.00	292.761	122.55

*SATNV T=00004 IS ON CR DW USING 00204 BLKS R=0000

0001	TRANSIT POSNS AT 3 HOUR				INTVLS (89-6:52 TO 143-9:0) 419 RECS									
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORTHING	EASTING	VEL-NOR	VEL-EAS	HEIGHT	DIST	AZ	SD-LA/LO/HT	PAS
0003	1983	89 6 52	89.28611	85.8083056	249.1882500	2165419.	1564800.	-25.	19.	8.46	0.	0.00	29. 31.	.71 2
0004	1983	89 9 0	89.37500	85.8088056	249.1926944	2165366.	1564839.	-33.	32.	8.49	0.	0.00	24. 28.	.52 2
0005	1983	89 12 0	89.50000	85.8099167	249.1998611	2165267.	1564934.	-28.	19.	8.49	0.	0.00	19. 21.	.38 4
0006	1983	89 15 0	89.62500	85.8106667	249.2068611	2165185.	1564991.	9.	14.	8.48	25.	278.57	15. 17.	.32 5
0007	1983	89 18 0	89.75000	85.8109444	249.2020000	2165211.	1565034.	8.	39.	8.24	26.	227.02	15. 15.	.26 5
0008	1983	89 21 0	89.87500	85.8118611	249.1941667	2165234.	1565152.	-12.	32.	7.87	25.	228.41	13. 15.	.24 5
0009	1983	90 0 0	90.00000	85.8127778	249.1940278	2165199.	1565248.	-2.	-8.	7.66	19.	210.68	12. 13.	.22 6
0010	1983	90 3 0	90.12500	85.8126111	249.1956667	2165193.	1565226.	22.	-12.	7.60	42.	250.54	11. 12.	.21 7
0011	1983	90 6 0	90.25000	85.8120833	249.1898056	2165258.	1565188.	7.	-2.	7.59	29.	231.31	11. 12.	.21 7
0012	1983	90 9 0	90.37500	85.8119722	249.1876944	2165279.	1565182.	5.	-3.	7.61	29.	232.21	12. 14.	.21 6
0013	1983	90 12 0	90.50000	85.8118611	249.1862778	2165294.	1565175.	-5.	-6.	7.61	53.	239.93	24. 23.	.27 2
0014	1983	90 18 0	90.75000	85.8116667	249.1914167	2165262.	1565140.	59.	42.	7.61	72.	240.57	15. 16.	.26 5
0015	1983	90 21 0	90.87500	85.8121667	249.1656111	2165438.	1565266.	-31.	6.	7.50	48.	260.08	18. 21.	.25 4
0016	1983	91 0 0	91.00000	85.8125833	249.1754167	2165348.	1565281.	9.	4.	7.46	19.	211.72	24. 25.	.29 2
0017	1983	91 3 0	91.12500	85.8126111	249.1717778	2165374.	1565295.	19.	17.	7.40	39.	212.89	18. 19.	.26 4
0018	1983	91 6 0	91.25000	85.8128611	249.1631667	2165430.	1565346.	33.	21.	7.37	50.	207.62	24. 26.	.27 3
0019	1983	91 9 0	91.37500	85.8130556	249.1489722	2165530.	1565407.	49.	10.	7.37	30.	226.66	41. 40.	.32 1
0020	1983	91 15 0	91.62500	85.8126111	249.1127500	2165822.	1565465.	51.	18.	7.35	25.	217.56	32. 37.	.31 2
0021	1983	91 18 0	91.75000	85.8125833	249.0930000	2165973.	1565520.	75.	15.	7.34	28.	229.61	46. 55.	.35 1
0022	1983	91 21 0	91.87500	85.8122500	249.0652778	2166196.	1565565.	188.	168.	7.33	0.	0.00	59. 60.	.36 1
0023	1983	92 0 0	92.00000	85.8146389	248.9786667	2166757.	1566065.	123.	74.	7.34	26.	229.20	22. 21.	.27 4
0024	1983	92 3 0	92.12500	85.8153056	248.9267778	2167124.	1566285.	92.	20.	7.35	28.	233.67	42. 46.	.33 1
0025	1983	92 6 0	92.25000	85.8149167	248.8926111	2167398.	1566345.	60.	11.	7.37	20.	225.46	20. 25.	.27 4
0026	1983	92 9 0	92.37500	85.8146111	248.8706111	2167577.	1566377.	-61.	-19.	7.37	25.	236.08	42. 41.	.32 1
0027	1983	92 12 0	92.50000	85.8146944	248.8940000	2167396.	1566318.	-31.	-48.	7.40	220.	30.71	22. 24.	.29 3
0028	1983	92 15 0	92.62500	85.8137778	248.9111667	2167303.	1566172.	-20.	-54.	7.44	38.	241.30	16. 17.	.24 5
0029	1983	92 18 0	92.75000	85.8126111	248.9250833	2167244.	1566011.	-21.	14.	7.45	32.	224.56	15. 17.	.23 5
0030	1983	92 21 0	92.87500	85.8131667	248.9303889	2167182.	1566053.	-58.	-40.	7.41	31.	233.05	15. 19.	.24 4
0031	1983	93 0 0	93.00000	85.8127222	248.9555556	2167009.	1565933.	-67.	-52.	7.38	27.	239.94	14. 15.	.23 5
0032	1983	93 3 0	93.12500	85.8120556	248.9854444	2166809.	1565777.	-64.	-54.	7.39	22.	246.69	12. 12.	.21 7
0033	1983	93 6 0	93.25000	85.8113056	249.0146389	2166618.	1565614.	-51.	-39.	7.42	27.	229.87	13. 13.	.21 6
0034	1983	93 9 0	93.37500	85.8108333	249.0372778	2166465.	1565500.	-46.	-25.	7.45	14.	261.92	13. 13.	.21 6
0035	1983	93 12 0	93.50000	85.8106667	249.0564167	2166326.	1565427.	-67.	-57.	7.49	22.	242.16	13. 13.	.21 6
0036	1983	93 15 0	93.62500	85.8098889	249.0870556	2166125.	1565257.	-67.	-56.	7.56	20.	247.34	11. 12.	.20 8
0037	1983	93 18 0	93.75000	85.8091111	249.1174444	2165925.	1565088.	-42.	-50.	7.61	27.	243.90	15. 16.	.23 4
0038	1983	93 21 0	93.87500	85.8082500	249.1383611	2165800.	1564938.	-53.	-57.	7.63	35.	227.66	23. 27.	.28 2
0039	1983	94 0 0	94.00000	85.8073333	249.1639722	2165642.	1564769.	-46.	-45.	7.66	25.	240.56	14. 16.	.23 6
0040	1983	94 3 0	94.12500	85.8066389	249.1858056	2165504.	1564634.	-41.	-21.	7.66	31.	248.90	23. 25.	.28 2
0041	1983	94 6 0	94.25000	85.8065000	249.2026389	2165381.	1564571.	-24.	-8.	7.67	21.	242.55	14. 14.	.22 6
0042	1983	94 9 0	94.37500	85.8065278	249.2118611	2165310.	1564547.	-14.	1.	7.68	28.	244.82	16. 18.	.24 4
0043	1983	94 12 0	94.50000	85.8066667	249.2165000	2165269.	1564548.	-18.	-9.	7.68	26.	247.30	17. 19.	.24 4

0044	1983	94	15	0	94.62500	85.8066111	249.2237222	2165217.	1564521.	-1.	-1.	7.67	27.	245.37	17.	20.	.24	4
0045	1983	94	18	0	94.75000	85.8065833	249.2243611	2165213.	1564517.	-16.	1.	7.68	35.	259.11	17.	18.	.24	4
0046	1983	94	21	0	94.87500	85.8067778	249.2298889	2165163.	1564521.	-13.	-5.	7.68	27.	249.42	13.	15.	.22	6
0047	1983	95	0	0	95.00000	85.8067500	249.2349167	2165126.	1564504.	-19.	-18.	7.68	29.	244.79	12.	13.	.20	7
0048	1983	95	3	0	95.12500	85.8065000	249.2438889	2165068.	1564452.	-41.	-16.	7.68	3.	69.05	20.	18.	.25	3
0049	1983	95	6	0	95.25000	85.8065000	249.2599167	2164946.	1564406.	-23.	-1.	7.67	21.	236.62	18.	19.	.25	4
0050	1983	95	9	0	95.37500	85.8066944	249.2678889	2164878.	1564403.	-13.	1.	7.67	28.	244.00	15.	17.	.23	5
0051	1983	95	12	0	95.50000	85.8068333	249.2722500	2164839.	1564405.	-13.	10.	7.66	28.	246.22	21.	22.	.24	4
0052	1983	95	15	0	95.62500	85.8072222	249.2753056	2164800.	1564436.	1.	9.	7.65	20.	274.19	22.	26.	.26	3
0053	1983	95	18	0	95.75000	85.8074444	249.2736944	2164804.	1564464.	3.	6.	7.66	37.	248.75	18.	19.	.25	4
0054	1983	95	21	0	95.87500	85.8075556	249.2720278	2164812.	1564480.	4.	3.	7.66	28.	243.51	16.	20.	.24	4
0055	1983	96	0	0	96.00000	85.8075833	249.2703889	2164824.	1564488.	3.	2.	7.66	27.	246.02	35.	40.	.31	1
0056	1983	96	3	0	96.12500	85.8076111	249.2691944	2164832.	1564494.	-11.	-4.	7.66	45.	239.86	49.	62.	.34	1
0057	1983	96	6	0	96.25000	85.8076111	249.2735833	2164798.	1564482.	5.	-4.	7.65	25.	212.96	20.	21.	.29	3
0058	1983	96	9	0	96.37500	85.8074722	249.2725556	2164811.	1564470.	1.	-1.	7.66	26.	247.65	17.	25.	.25	4
0059	1983	96	12	0	96.50000	85.8074444	249.2724167	2164814.	1564468.	-10.	7.	7.66	32.	247.17	20.	22.	.26	3
0060	1983	96	15	0	96.62500	85.8076944	249.2750000	2164784.	1564486.	6.	-7.	7.72	28.	236.24	17.	18.	.23	5
0061	1983	96	18	0	96.75000	85.8074722	249.2737500	2164802.	1564467.	4.	-3.	7.75	27.	246.86	18.	19.	.24	4
0062	1983	96	21	0	96.87500	85.8073611	249.2726389	2164815.	1564458.	-1.	-4.	7.76	27.	247.40	39.	47.	.31	1
0063	1983	97	0	0	97.00000	85.8072778	249.2735000	2164812.	1564447.	-4.	2.	7.77	0.	0.00	23.	25.	.28	3
0064	1983	97	3	0	97.12500	85.8073333	249.2745833	2164801.	1564450.	-2.	3.	7.78	17.	235.73	24.	21.	.27	3
0065	1983	97	6	0	97.25000	85.8074444	249.2748333	2164795.	1564461.	6.	2.	7.79	27.	247.57	21.	21.	.27	3
0066	1983	97	9	0	97.37500	85.8074167	249.2725556	2164814.	1564464.	-10.	1.	7.79	29.	250.57	13.	17.	.22	6
0067	1983	97	12	0	97.50000	85.8075556	249.2758333	2164783.	1564469.	1.	-6.	7.79	27.	249.06	19.	20.	.25	3
0068	1983	97	15	0	97.62500	85.8073889	249.2761944	2164787.	1564451.	9.	3.	7.78	26.	251.84	15.	17.	.23	5
0069	1983	97	18	0	97.75000	85.8073889	249.2726944	2164814.	1564461.	0.	4.	7.77	31.	247.70	17.	19.	.24	4
0070	1983	97	21	0	97.87500	85.8074722	249.2721111	2164815.	1564471.	-1.	2.	7.75	32.	257.97	13.	15.	.22	6
0071	1983	98	0	0	98.00000	85.8075278	249.2721389	2164812.	1564477.	-4.	-6.	7.74	27.	251.63	14.	15.	.22	5
0072	1983	98	3	0	98.12500	85.8074167	249.2743333	2164800.	1564459.	-5.	5.	7.76	26.	249.81	13.	13.	.21	6
0073	1983	98	6	0	98.25000	85.8076111	249.2753333	2164785.	1564477.	-5.	-3.	7.78	23.	248.20	14.	14.	.21	6
0074	1983	98	9	0	98.37500	85.8075833	249.2773611	2164771.	1564468.	2.	-3.	7.78	27.	249.27	19.	22.	.25	3
0075	1983	98	12	0	98.50000	85.8074722	249.2770833	2164777.	1564457.	8.	-0.	7.79	0.	0.00	18.	19.	.24	4
0076	1983	98	15	0	98.62500	85.8073889	249.2741944	2164802.	1564457.	-0.	4.	7.78	23.	238.55	18.	21.	.24	4
0077	1983	98	18	0	98.75000	85.8075000	249.2737500	2164801.	1564470.	-3.	-1.	7.78	27.	249.09	12.	14.	.20	7
0078	1983	98	21	0	98.87500	85.8075000	249.2748889	2164793.	1564466.	-2.	-3.	7.78	28.	249.71	14.	17.	.23	4
0079	1983	99	0	0	99.00000	85.8074167	249.2758333	2164789.	1564455.	1.	-0.	7.78	27.	245.88	18.	20.	.25	3
0080	1983	99	3	0	99.12500	85.8073889	249.2753889	2164793.	1564453.	3.	11.	7.82	22.	244.62	17.	16.	.24	4
0081	1983	99	6	0	99.25000	85.8076389	249.2730000	2164802.	1564486.	2.	-31.	7.87	28.	249.24	20.	21.	.26	3
0082	1983	99	9	0	99.37500	85.8068611	249.2762500	2164807.	1564396.	5.	-62.	7.91	27.	249.07	15.	16.	.23	5
0083	1983	99	12	0	99.50000	85.8052500	249.2825556	2164823.	1564210.	-47.	-119.	7.93	56.	261.41	19.	20.	.24	4
0084	1983	99	15	0	99.62500	85.8026944	249.3141667	2164683.	1563854.	39.	-312.	7.96	24.	259.48	42.	45.	.30	1
0085	1983	99	18	0	99.75000	85.7944722	249.3412222	2164799.	1562921.	69.	-329.	8.02	48.	84.99	22.	22.	.27	3
0086	1983	99	21	0	99.87500	85.7855556	249.3600833	2165005.	1561939.	85.	-265.	8.08	36.	254.64	22.	26.	.29	2
0087	1983	100	0	0	100.00000	85.7781111	249.3652500	2165257.	1561150.	121.	-207.	8.13	18.	227.62	14.	15.	.24	5
0088	1983	100	3	0	100.12500	85.7717500	249.3506111	2165618.	1560530.	191.	-141.	8.16	35.	258.36	19.	20.	.26	3

0089	1983	100	6	0	100.25000	85.7664167	249.3036944	2166188.	1560111.	193.	-67.	8.22	4.	20.60	14.	15.	.23	5
0090	1983	100	9	0	100.37500	85.7628889	249.2464722	2166766.	1559911.	200.	-8.	8.26	30.	250.55	16.	17.	.24	4
0091	1983	100	12	0	100.50000	85.7608056	249.1795833	2167362.	1559889.	161.	-7.	8.28	58.	258.43	20.	19.	.26	3
0092	1983	100	15	0	100.62500	85.7590833	249.1259444	2167842.	1559867.	153.	-32.	8.29	31.	251.08	20.	23.	.26	3
0093	1983	100	18	0	100.75000	85.7568333	249.0782778	2168298.	1559773.	119.	-75.	8.30	28.	250.41	17.	19.	.25	4
0094	1983	100	21	0	100.87500	85.7538056	249.0476944	2168653.	1559549.	13.	-81.	8.31	26.	252.39	18.	19.	.24	4
0095	1983	101	0	0	101.00000	85.7516389	249.0537778	2168692.	1559306.	-68.	-41.	8.34	32.	228.07	13.	13.	.20	7
0096	1983	101	3	0	101.12500	85.7512778	249.0819722	2168490.	1559186.	-43.	-8.	8.34	33.	232.33	14.	14.	.22	5
0097	1983	101	6	0	101.25000	85.7515000	249.0975278	2168361.	1559163.	-34.	6.	8.38	29.	251.70	14.	15.	.21	6
0098	1983	101	9	0	101.37500	85.7519722	249.1080833	2168261.	1559181.	-17.	1.	8.39	28.	250.22	13.	13.	.20	7
0099	1983	101	12	0	101.50000	85.7521667	249.1135833	2168211.	1559185.	-10.	0.	8.40	28.	249.20	14.	13.	.21	6
0100	1983	101	15	0	101.62500	85.7522500	249.1170000	2168182.	1559184.	0.	7.	8.39	28.	249.24	14.	16.	.22	5
0101	1983	101	18	0	101.75000	85.7524167	249.1160278	2168182.	1559204.	-8.	10.	8.38	28.	248.80	15.	16.	.22	5
0102	1983	101	21	0	101.87500	85.7527500	249.1175833	2168157.	1559234.	-3.	4.	8.36	35.	251.73	13.	15.	.21	6
0103	1983	102	0	0	102.00000	85.7528889	249.1181111	2168148.	1559247.	-6.	2.	8.35	23.	250.08	17.	18.	.23	4
0104	1983	102	3	0	102.12500	85.7529722	249.1199444	2168130.	1559250.	-1.	4.	8.35	24.	244.26	20.	20.	.25	3
0105	1983	102	6	0	102.25000	85.7531111	249.1195833	2168128.	1559265.	-4.	0.	8.34	28.	249.72	16.	16.	.23	5
0106	1983	102	9	0	102.37500	85.7531389	249.1210000	2168116.	1559264.	-6.	1.	8.34	31.	257.76	21.	23.	.25	3
0107	1983	102	12	0	102.50000	85.7532222	249.1230556	2168096.	1559267.	-2.	9.	8.34	28.	256.52	18.	19.	.26	3
0108	1983	102	15	0	102.62500	85.7534444	249.1225000	2168092.	1559291.	-7.	31.	8.34	32.	249.67	15.	18.	.23	5
0109	1983	102	18	0	102.75000	85.7543056	249.1209444	2168070.	1559386.	-42.	62.	8.35	18.	200.72	18.	20.	.24	4
0110	1983	102	21	0	102.87500	85.7562778	249.1271111	2167944.	1559572.	-85.	125.	8.34	22.	199.15	28.	33.	.28	2
0111	1983	103	0	0	103.00000	85.7602222	249.1398889	2167690.	1559945.	-85.	110.	8.35	28.	198.24	19.	21.	.25	4
0112	1983	103	6	0	103.25000	85.7673333	249.1696389	2167180.	1560596.	-99.	138.	8.36	25.	262.17	26.	26.	.32	2
0113	1983	103	9	0	103.37500	85.7717500	249.1856667	2166883.	1561009.	-129.	189.	8.37	34.	266.99	18.	22.	.28	3
0114	1983	103	12	0	103.50000	85.7777222	249.2050278	2166499.	1561573.	-143.	229.	8.40	74.	285.05	21.	23.	.27	3
0115	1983	103	15	0	103.62500	85.7848333	249.2242778	2166071.	1562256.	-160.	243.	8.44	30.	256.33	19.	20.	.26	3
0116	1983	103	18	0	103.75000	85.7924444	249.2475833	2165593.	1562980.	-214.	232.	8.48	26.	272.98	14.	14.	.22	6
0117	1983	103	21	0	103.87500	85.8003056	249.2909722	2164953.	1563672.	-282.	177.	8.49	53.	232.06	14.	18.	.22	5
0118	1983	104	0	0	104.00000	85.8074167	249.3649444	2164111.	1564199.	-300.	117.	8.51	53.	224.32	31.	33.	.30	1
0119	1983	104	3	0	104.12500	85.8131944	249.4529722	2163216.	1564549.	-281.	77.	8.56	25.	250.38	15.	16.	.24	5
0120	1983	104	6	0	104.25000	85.8177778	249.5398056	2162378.	1564780.	-268.	83.	8.56	27.	249.46	14.	14.	.21	6
0121	1983	104	9	0	104.37500	85.8223889	249.6216667	2161577.	1565029.	-285.	47.	8.54	19.	260.70	13.	14.	.21	6
0122	1983	104	12	0	104.50000	85.8262500	249.7143056	2160725.	1565170.	-262.	50.	8.53	22.	243.02	11.	11.	.19	8
0123	1983	104	15	0	104.62500	85.8299167	249.7987778	2159943.	1565317.	-181.	76.	8.52	21.	270.38	11.	12.	.20	7
0124	1983	104	18	0	104.75000	85.8335278	249.8516667	2159403.	1565546.	-144.	73.	8.52	23.	278.71	12.	12.	.21	6
0125	1983	104	21	0	104.87500	85.8366944	249.8922500	2158975.	1565764.	-139.	88.	8.47	34.	233.52	11.	13.	.21	6
0126	1983	105	0	0	105.00000	85.8401944	249.9291944	2158561.	1566027.	-182.	131.	8.39	38.	263.35	10.	10.	.19	8
0127	1983	105	3	0	105.12500	85.8451667	249.9758333	2158018.	1566417.	-213.	196.	8.33	32.	211.27	13.	13.	.22	5
0128	1983	105	6	0	105.25000	85.8520556	250.0251389	2157384.	1567001.	-206.	183.	8.32	33.	270.11	14.	14.	.22	5
0129	1983	105	9	0	105.37500	85.8585556	250.0738056	2156770.	1567547.	-242.	88.	8.33	28.	250.11	13.	15.	.21	6
0130	1983	105	12	0	105.50000	85.8630000	250.1474167	2156046.	1567810.	-295.	-39.	8.35	14.	267.11	14.	15.	.22	5
0131	1983	105	15	0	105.62500	85.8646944	250.2556389	2155166.	1567694.	-314.	-48.	8.34	26.	249.32	11.	12.	.20	7
0132	1983	105	18	0	105.75000	85.8663056	250.3719444	2154228.	1567548.	-335.	-61.	8.37	26.	249.45	10.	10.	.19	8
0133	1983	105	21	0	105.87500	85.8677778	250.4972222	2153227.	1567366.	-377.	-53.	8.41	28.	254.14	11.	12.	.20	7

0134	1983	106	0	0	106.00000	85.8698056	250.6361667	2152103.	1567209.	-371.	-47.	8.45	27.	252.92	14.	14.	.22	5
0135	1983	106	3	0	106.12500	85.8718889	250.7727222	2150995.	1567066.	-302.	-13.	8.48	23.	256.48	12.	12.	.21	6
0136	1983	106	6	0	106.25000	85.8742222	250.8808333	2150093.	1567027.	-248.	-18.	8.46	31.	228.74	12.	12.	.20	7
0137	1983	106	9	0	106.37500	85.8759722	250.9704722	2149352.	1566977.	-188.	14.	8.42	18.	322.85	15.	17.	.23	4
0138	1983	106	12	0	106.50000	85.8779722	251.0353056	2148789.	1567018.	-200.	29.	8.41	56.	218.87	15.	15.	.22	5
0139	1983	106	15	0	106.62500	85.8804444	251.1023611	2148193.	1567104.	-156.	55.	8.38	40.	277.78	14.	14.	.21	6
0140	1983	106	18	0	106.75000	85.8831944	251.1509722	2147727.	1567268.	-109.	32.	8.35	60.	250.90	14.	16.	.22	5
0141	1983	106	21	0	106.87500	85.8849444	251.1857222	2147402.	1567363.	-55.	-0.	8.35	29.	243.00	15.	19.	.23	4
0142	1983	107	0	0	107.00000	85.8854167	251.2052500	2147238.	1567362.	-17.	1.	8.32	33.	231.74	13.	12.	.21	6
0143	1983	107	3	0	107.12500	85.8855833	251.2110278	2147188.	1567365.	-22.	-48.	8.27	28.	246.35	20.	20.	.25	3
0144	1983	107	6	0	107.25000	85.8845556	251.2246944	2147122.	1567222.	-9.	-39.	8.20	30.	265.06	16.	15.	.23	5
0145	1983	107	9	0	107.37500	85.8836389	251.2325556	2147095.	1567105.	-19.	-24.	8.16	26.	228.50	18.	20.	.24	4
0146	1983	107	12	0	107.50000	85.8831944	251.2421111	2147039.	1567034.	-13.	-3.	8.15	27.	247.88	27.	30.	.28	2
0147	1983	107	18	0	107.75000	85.8832500	251.2520278	2146962.	1567014.	-25.	-0.	8.07	30.	253.49	20.	22.	.16	3
0148	1983	107	21	0	107.87500	85.8834722	251.2608611	2146887.	1567015.	1.	3.	8.07	27.	259.47	20.	24.	.14	3
0149	1983	108	0	0	108.00000	85.8835278	251.2601111	2146891.	1567023.	0.	-1.	8.11	24.	245.61	16.	17.	.12	4
0150	1983	108	3	0	108.12500	85.8835000	251.2602500	2146891.	1567019.	-2.	4.	8.15	28.	251.16	18.	17.	.12	4
0151	1983	108	6	0	108.25000	85.8836111	251.2605833	2146884.	1567030.	-6.	-1.	8.18	28.	250.97	14.	14.	.10	5
0152	1983	108	9	0	108.37500	85.8836667	251.2627222	2146866.	1567031.	-25.	-15.	8.13	23.	254.34	15.	16.	.11	4
0153	1983	108	12	0	108.50000	85.8835000	251.2733333	2146792.	1566986.	-45.	-17.	8.07	28.	259.78	14.	15.	.10	5
0154	1983	108	15	0	108.62500	85.8834444	251.2911667	2146659.	1566934.	-20.	-19.	8.00	30.	250.02	14.	16.	.10	5
0155	1983	108	18	0	108.75000	85.8831389	251.3006389	2146598.	1566878.	-24.	-18.	7.92	27.	238.74	13.	14.	.10	5
0156	1983	108	21	0	108.87500	85.8828889	251.3112778	2146527.	1566824.	-18.	-18.	7.83	26.	258.87	12.	13.	.09	6
0157	1983	109	0	0	109.00000	85.8825833	251.3198333	2146473.	1566770.	19.	-6.	7.77	30.	255.36	10.	10.	.08	8
0158	1983	109	3	0	109.12500	85.8822500	251.3138056	2146530.	1566751.	-12.	26.	7.73	27.	258.70	11.	11.	.08	7
0159	1983	109	6	0	109.25000	85.8830278	251.3151111	2146493.	1566829.	-10.	1.	7.70	13.	230.58	19.	19.	.11	3
0160	1983	109	9	0	109.37500	85.8831389	251.3187500	2146461.	1566832.	-11.	-15.	7.68	29.	250.04	12.	14.	.09	6
0161	1983	109	12	0	109.50000	85.8828611	251.3243333	2146429.	1566788.	15.	-29.	7.66	31.	252.33	12.	13.	.09	6
0162	1983	109	15	0	109.62500	85.8819722	251.3223889	2146475.	1566699.	-28.	-42.	7.65	33.	249.53	15.	15.	.10	4
0163	1983	109	18	0	109.75000	85.8811389	251.3374444	2146391.	1566573.	-14.	-23.	7.64	26.	251.52	18.	18.	.12	3
0164	1983	109	21	0	109.87500	85.8806944	251.3451944	2146348.	1566507.	-4.	-13.	7.63	23.	261.87	21.	24.	.14	2
0165	1983	110	0	0	110.00000	85.8803889	251.3480556	2146338.	1566467.	-10.	-28.	7.62	28.	252.11	19.	21.	.12	3
0166	1983	110	3	0	110.12500	85.8797500	251.3550556	2146307.	1566382.	-14.	-32.	7.64	32.	266.41	12.	12.	.08	7
0167	1983	110	6	0	110.25000	85.8790833	251.3638333	2146265.	1566289.	-10.	-6.	7.66	32.	263.41	11.	12.	.08	7
0168	1983	110	9	0	110.37500	85.8790000	251.3680000	2146236.	1566270.	-1.	2.	7.66	28.	259.90	15.	17.	.10	4
0169	1983	110	12	0	110.50000	85.8790556	251.3679444	2146234.	1566276.	-8.	4.	7.66	26.	249.53	18.	19.	.11	3
0170	1983	110	15	0	110.62500	85.8792222	251.3702500	2146211.	1566288.	0.	2.	7.65	30.	254.45	13.	13.	.09	6
0171	1983	110	18	0	110.75000	85.8792778	251.3699444	2146211.	1566294.	3.	-5.	7.65	28.	251.90	13.	15.	.09	5
0172	1983	110	21	0	110.87500	85.8791111	251.3695833	2146220.	1566278.	7.	-6.	7.64	30.	249.17	12.	13.	.08	6
0173	1983	111	0	0	111.00000	85.8789167	251.3678611	2146240.	1566261.	8.	-2.	7.64	29.	257.47	12.	13.	.08	6
0174	1983	111	3	0	111.12500	85.8788056	251.3653333	2146263.	1566256.	8.	-24.	7.66	28.	246.43	16.	17.	.10	4
0175	1983	111	6	0	111.25000	85.8781111	251.3653333	2146288.	1566183.	19.	-36.	7.64	27.	256.19	11.	12.	.08	7
0176	1983	111	9	0	111.37500	85.8770278	251.3629722	2146344.	1566075.	23.	-60.	7.65	29.	252.65	12.	12.	.08	7
0177	1983	111	12	0	111.50000	85.8753056	251.3618889	2146414.	1565896.	8.	-48.	7.64	22.	245.37	14.	14.	.09	5
0178	1983	111	15	0	111.62500	85.8740000	251.3648611	2146437.	1565751.	6.	-18.	7.64	28.	275.79	14.	13.	.09	5

0179	1983	111	18	0	111.75000	85.8735000	251.3648056	2146456.	1565699.	8.	6.	7.63	19.	252.20	15.	15.	.10	4
0180	1983	111	21	0	111.87500	85.8735833	251.3613889	2146479.	1565716.	5.	-2.	7.64	27.	256.08	12.	14.	.09	5
0181	1983	112	0	0	112.00000	85.8734722	251.3598056	2146494.	1565709.	12.	-7.	7.63	28.	252.45	12.	12.	.08	6
0182	1983	112	3	0	112.12500	85.8731944	251.3563333	2146531.	1565688.	0.	-17.	7.62	28.	251.77	14.	14.	.09	5
0183	1983	112	6	0	112.25000	85.8727500	251.3583056	2146532.	1565636.	4.	-1.	7.62	27.	257.89	14.	13.	.09	5
0184	1983	112	9	0	112.37500	85.8726944	251.3572222	2146542.	1565633.	7.	4.	7.62	28.	254.33	11.	11.	.07	8
0185	1983	112	12	0	112.50000	85.8727222	251.3541667	2146564.	1565644.	5.	-1.	7.62	31.	255.66	13.	13.	.08	6
0186	1983	112	15	0	112.62500	85.8726389	251.3526389	2146578.	1565639.	-3.	2.	7.62	33.	259.80	12.	12.	.08	7
0187	1983	112	18	0	112.75000	85.8727222	251.3533889	2146570.	1565646.	10.	2.	7.62	0.	0.00	11.	12.	.08	7
0188	1983	112	21	0	112.87500	85.8726944	251.3494722	2146600.	1565653.	6.	-8.	7.61	0.	0.00	21.	23.	.13	2
0189	1983	113	0	0	113.00000	85.8724444	251.3483611	2146618.	1565630.	18.	-10.	7.61	0.	0.00	17.	18.	.10	4
0190	1983	113	3	0	113.12500	85.8720278	251.3432778	2146671.	1565599.	26.	-6.	7.61	0.	0.00	15.	16.	.09	5
0191	1983	113	6	0	113.25000	85.8716389	251.3347500	2146750.	1565580.	28.	-8.	7.61	28.	255.84	20.	20.	.11	3
0192	1983	113	9	0	113.37500	85.8711944	251.3257222	2146834.	1565556.	37.	-19.	7.61	31.	257.85	22.	23.	.12	3
0193	1983	113	12	0	113.50000	85.8703889	251.3150833	2146943.	1565498.	71.	-35.	7.61	28.	252.65	18.	19.	.10	4
0194	1983	113	15	0	113.62500	85.8688889	251.2942222	2147155.	1565394.	110.	-51.	7.61	28.	249.79	14.	16.	.09	5
0195	1983	113	18	0	113.75000	85.8666667	251.2615278	2147482.	1565244.	98.	-45.	7.62	22.	227.81	22.	24.	.13	2
0196	1983	113	21	0	113.87500	85.8645556	251.2325833	2147777.	1565096.	127.	-52.	7.62	47.	279.79	20.	22.	.12	3
0197	1983	114	0	0	114.00000	85.8621389	251.1941667	2148156.	1564941.	146.	-53.	7.64	30.	271.33	13.	14.	.09	5
0198	1983	114	3	0	114.12500	85.8595278	251.1492778	2148590.	1564783.	137.	-44.	7.66	29.	249.95	11.	11.	.08	8
0199	1983	114	6	0	114.25000	85.8572222	251.1064722	2148998.	1564651.	98.	-41.	7.68	29.	247.68	12.	13.	.09	6
0200	1983	114	9	0	114.37500	85.8553333	251.0770278	2149290.	1564529.	52.	-29.	7.69	45.	223.09	14.	14.	.09	5
0201	1983	114	12	0	114.50000	85.8541667	251.0623889	2149443.	1564445.	30.	-40.	7.69	28.	250.38	17.	19.	.10	4
0202	1983	114	15	0	114.62500	85.8528889	251.0565000	2149534.	1564326.	53.	-32.	7.69	25.	253.97	19.	18.	.12	3
0203	1983	114	21	0	114.87500	85.8503333	251.0269167	2149852.	1564135.	23.	-28.	7.69	13.	269.37	20.	22.	.15	2
0204	1983	115	0	0	115.00000	85.8494444	251.0222500	2149919.	1564053.	4.	-40.	7.69	30.	249.42	15.	15.	.11	4
0205	1983	115	3	0	115.12500	85.8483889	251.0256111	2149932.	1563934.	-12.	-50.	7.69	24.	259.28	12.	12.	.09	6
0206	1983	115	6	0	115.25000	85.8472222	251.0357222	2149897.	1563784.	0.	-59.	7.70	31.	247.57	11.	12.	.08	7
0207	1983	115	9	0	115.37500	85.8457222	251.0427778	2149897.	1563608.	49.	-68.	7.72	28.	251.18	11.	11.	.08	7
0208	1983	115	12	0	115.50000	85.8435556	251.0337778	2150044.	1563404.	165.	-120.	7.73	28.	249.95	13.	13.	.09	6
0209	1983	115	15	0	115.62500	85.8390556	250.9905556	2150536.	1563044.	207.	-104.	7.77	26.	275.90	13.	13.	.09	6
0210	1983	115	18	0	115.75000	85.8346111	250.9307500	2151154.	1562735.	189.	-100.	7.80	35.	212.88	12.	12.	.08	7
0211	1983	115	21	0	115.87500	85.8303889	250.8769444	2151718.	1562434.	184.	-43.	7.82	28.	250.02	14.	15.	.10	5
0212	1983	116	0	0	116.00000	85.8276944	250.8178889	2152268.	1562307.	183.	9.	7.83	28.	252.20	11.	12.	.08	7
0213	1983	116	3	0	116.12500	85.8263056	250.7529444	2152814.	1562334.	139.	24.	7.85	28.	252.10	11.	12.	.08	7
0214	1983	116	6	0	116.25000	85.8256667	250.7016944	2153229.	1562404.	41.	-2.	7.87	36.	224.54	13.	14.	.10	5
0215	1983	116	9	0	116.37500	85.8252500	250.6876389	2153352.	1562398.	-63.	-15.	7.87	28.	256.33	16.	17.	.11	4
0216	1983	116	12	0	116.50000	85.8254167	250.7113056	2153165.	1562352.	-32.	-9.	7.89	39.	309.65	15.	15.	.10	5
0217	1983	116	15	0	116.62500	85.8254722	250.7235833	2153069.	1562325.	-41.	-10.	7.90	26.	256.95	15.	16.	.11	4
0218	1983	116	18	0	116.75000	85.8255833	250.7391667	2152946.	1562295.	-42.	-11.	7.91	26.	267.71	16.	17.	.11	4
0219	1983	116	21	0	116.87500	85.8256667	250.7550556	2152822.	1562262.	-32.	-2.	7.92	28.	243.15	16.	17.	.11	4
0220	1983	117	0	0	117.00000	85.8259167	250.7662222	2152727.	1562258.	4.	2.	7.93	27.	257.74	13.	15.	.10	5
0221	1983	117	3	0	117.12500	85.8259167	250.7645000	2152740.	1562263.	2.	1.	7.93	27.	255.36	12.	12.	.08	7
0222	1983	117	6	0	117.25000	85.8259444	250.7635000	2152747.	1562268.	4.	-1.	7.94	29.	251.49	11.	11.	.08	7
0223	1983	117	9	0	117.37500	85.8258889	250.7622778	2152758.	1562266.	2.	0.	7.95	28.	251.70	9.	10.	.08	9

0224	1983	117	12	0	117.50000	85.8258611	250.7614444	2152766.	1562265.	23.	-2.	7.97	28.	249.58	11.	11.	.08	7
0225	1983	117	15	0	117.62500	85.8256111	250.7535556	2152835.	1562260.	44.	7.	7.98	28.	250.67	10.	10.	.08	8
0226	1983	117	18	0	117.75000	85.8253889	250.7373333	2152967.	1562280.	45.	4.	7.98	28.	253.54	11.	11.	.08	7
0227	1983	117	21	0	117.87500	85.8251111	250.7211667	2153101.	1562294.	34.	6.	7.99	28.	251.41	11.	13.	.09	6
0228	1983	118	0	0	118.00000	85.8249444	250.7086944	2153202.	1562310.	21.	7.	8.00	27.	247.71	15.	17.	.11	4
0229	1983	118	3	0	118.12500	85.8249444	250.7004167	2153266.	1562332.	3.	0.	8.00	29.	248.61	13.	14.	.09	6
0230	1983	118	6	0	118.25000	85.8249167	250.6994167	2153274.	1562332.	-8.	-11.	8.00	28.	252.34	21.	21.	.12	3
0231	1983	118	9	0	118.37500	85.8246944	250.7036944	2153250.	1562297.	-25.	-16.	8.01	31.	241.44	19.	21.	.12	3
0232	1983	118	12	0	118.50000	85.8245278	250.7143056	2153175.	1562251.	-3.	-1.	8.01	27.	251.86	21.	22.	.12	3
0233	1983	118	15	0	118.62500	85.8245278	250.7155833	2153165.	1562248.	15.	5.	8.01	39.	241.82	17.	17.	.11	4
0234	1983	118	18	0	118.75000	85.8245278	250.7098611	2153209.	1562263.	11.	-16.	8.02	30.	245.56	16.	17.	.11	4
0235	1983	118	21	0	118.87500	85.8240278	250.7080000	2153241.	1562215.	1.	-15.	8.02	29.	255.00	15.	17.	.11	4
0236	1983	119	0	0	119.00000	85.8238056	250.7131667	2153210.	1562178.	-22.	-4.	8.03	40.	225.62	22.	23.	.14	2
0237	1983	119	3	0	119.12500	85.8239167	250.7212500	2153144.	1562168.	-23.	-1.	8.04	25.	258.26	15.	16.	.10	5
0238	1983	119	6	0	119.25000	85.8241111	250.7294167	2153075.	1562167.	-22.	-2.	8.04	26.	249.48	19.	21.	.12	3
0239	1983	119	9	0	119.37500	85.8242500	250.7372778	2153010.	1562160.	-26.	1.	8.04	32.	252.13	21.	21.	.12	3
0240	1983	119	12	0	119.50000	85.8245000	250.7461944	2152932.	1562163.	-39.	-0.	8.05	33.	215.88	30.	30.	.14	2
0241	1983	119	15	0	119.62500	85.8248333	250.7598056	2152816.	1562162.	-11.	9.	8.05	28.	251.58	15.	16.	.10	5
0242	1983	119	18	0	119.75000	85.8251944	250.7625000	2152782.	1562192.	-11.	-5.	8.05	30.	269.83	14.	15.	.10	5
0243	1983	119	21	0	119.87500	85.8251389	250.7671111	2152749.	1562174.	-21.	-8.	8.06	28.	251.83	10.	11.	.08	8
0244	1983	120	0	0	120.00000	85.8251111	250.7753889	2152687.	1562149.	3.	-2.	8.07	30.	222.77	12.	12.	.09	6
0245	1983	120	3	0	120.12500	85.8250278	250.7746389	2152696.	1562142.	-17.	0.	8.06	37.	241.13	13.	14.	.10	5
0246	1983	120	6	0	120.25000	85.8251944	250.7805278	2152644.	1562144.	-44.	-0.	8.06	28.	251.78	15.	15.	.11	4
0247	1983	120	9	0	120.37500	85.8255833	250.7960833	2152511.	1562144.	-76.	-9.	8.07	28.	253.15	11.	12.	.09	7
0248	1983	120	12	0	120.50000	85.8260278	250.8235000	2152286.	1562117.	-49.	-11.	8.08	25.	249.15	16.	17.	.11	4
0249	1983	120	15	0	120.62500	85.8261667	250.8419167	2152140.	1562083.	-24.	10.	8.09	28.	257.83	11.	12.	.09	7
0250	1983	120	18	0	120.75000	85.8266389	250.8491111	2152068.	1562113.	-17.	8.	8.10	26.	253.91	11.	11.	.09	7
0251	1983	120	21	0	120.87500	85.8270000	250.8541944	2152015.	1562138.	-22.	7.	8.10	28.	248.67	10.	10.	.08	8
0252	1983	121	0	0	121.00000	85.8273889	250.8610000	2151949.	1562161.	-46.	12.	8.12	29.	252.20	10.	11.	.09	7
0253	1983	121	3	0	121.12500	85.8280833	250.8753889	2151814.	1562195.	-49.	16.	8.13	28.	252.04	11.	11.	.09	7
0254	1983	121	6	0	121.25000	85.8289167	250.8904444	2151669.	1562243.	-47.	19.	8.14	28.	251.87	11.	12.	.09	7
0255	1983	121	9	0	121.37500	85.8298333	250.9046667	2151527.	1562302.	-50.	23.	8.14	30.	265.77	12.	12.	.09	6
0256	1983	121	12	0	121.50000	85.8308333	250.9193333	2151378.	1562368.	-88.	18.	8.15	27.	267.08	10.	11.	.08	8
0257	1983	121	15	0	121.62500	85.8320556	250.9480556	2151115.	1562421.	-74.	30.	8.16	27.	252.89	10.	10.	.08	8
0258	1983	121	18	0	121.75000	85.8334722	250.9701389	2150895.	1562511.	-43.	24.	8.17	27.	255.63	11.	11.	.09	7
0259	1983	121	21	0	121.87500	85.8344722	250.9821667	2150766.	1562585.	-81.	18.	8.18	27.	250.11	9.	10.	.08	9
0260	1983	122	0	0	122.00000	85.8356389	251.0081667	2150526.	1562639.	-121.	37.	8.19	27.	243.53	9.	10.	.08	8
0261	1983	122	3	0	122.12500	85.8376389	251.0458889	2150166.	1562750.	-125.	41.	8.19	33.	293.76	13.	14.	.10	5
0262	1983	122	6	0	122.25000	85.8397500	251.0847222	2149793.	1562871.	-38.	22.	8.21	32.	233.85	12.	13.	.09	7
0263	1983	122	9	0	122.37500	85.8406389	251.0953056	2149680.	1562936.	-91.	31.	8.22	28.	241.76	14.	14.	.10	5
0264	1983	122	12	0	122.50000	85.8422222	251.1235278	2149408.	1563029.	-181.	97.	8.22	18.	222.46	15.	17.	.10	5
0265	1983	122	15	0	122.62500	85.8462778	251.1754167	2148867.	1563321.	-214.	121.	8.24	29.	257.48	17.	16.	.11	4
0266	1983	122	18	0	122.75000	85.8511944	251.2360000	2148229.	1563681.	-214.	79.	8.27	44.	312.77	21.	19.	.11	4
0267	1983	122	21	0	122.87500	85.8550556	251.3017222	2147591.	1563918.	-207.	76.	8.29	27.	259.17	26.	28.	.15	2
0268	1983	123	0	0	123.00000	85.8587500	251.3655278	2146974.	1564143.	-192.	26.	8.31	26.	250.72	17.	18.	.11	4

0269	1983	123	3	0	123.12500	85.8610556	251.4301389	2146401.	1564221.	-177.	-22.	8.32	25.	245.36	13.	14.	.10	6
0270	1983	123	6	0	123.25000	85.8620000	251.4950556	2145874.	1564155.	-180.	-51.	8.33	31.	252.47	19.	20.	.13	3
0271	1983	123	9	0	123.37500	85.8622222	251.5646667	2145336.	1564001.	-178.	-55.	8.34	21.	260.01	17.	18.	.12	4
0272	1983	123	12	0	123.50000	85.8623333	251.6339722	2144805.	1563837.	-130.	-30.	8.35	29.	234.16	16.	16.	.11	5
0273	1983	123	15	0	123.62500	85.8626667	251.6834444	2144417.	1563748.	-101.	-15.	8.36	21.	257.69	20.	20.	.12	4
0274	1983	123	18	0	123.75000	85.8631111	251.7210833	2144114.	1563700.	-64.	-42.	8.36	32.	262.37	19.	23.	.13	3
0275	1983	123	21	0	123.87500	85.8625833	251.7484444	2143924.	1563575.	-26.	-17.	8.37	28.	249.58	14.	16.	.11	5
0276	1983	124	0	0	124.00000	85.8623889	251.7596944	2143845.	1563527.	16.	-6.	8.36	27.	257.70	12.	13.	.07	5
0277	1983	124	3	0	124.12500	85.8620833	251.7546389	2143895.	1563507.	8.	7.	8.37	26.	265.01	16.	17.	.08	4
0278	1983	124	6	0	124.25000	85.8621944	251.7509167	2143919.	1563528.	-4.	3.	8.41	29.	255.67	13.	14.	.06	6
0279	1983	124	9	0	124.37500	85.8623056	251.7518611	2143908.	1563537.	-10.	12.	8.48	27.	251.89	14.	13.	.06	6
0280	1983	124	12	0	124.50000	85.8626944	251.7538889	2143879.	1563573.	-22.	28.	8.52	28.	254.98	12.	14.	.06	6
0281	1983	124	15	0	124.62500	85.8636111	251.7582778	2143814.	1563659.	-17.	34.	8.53	27.	253.85	11.	11.	.05	8
0282	1983	124	18	0	124.75000	85.8646111	251.7604444	2143762.	1563759.	-9.	36.	8.56	28.	254.00	11.	11.	.05	7
0283	1983	124	21	0	124.87500	85.8656111	251.7593333	2143736.	1563868.	8.	35.	8.58	32.	257.37	13.	14.	.06	5
0284	1983	125	0	0	125.00000	85.8664167	251.7522500	2143762.	1563970.	12.	22.	8.59	28.	253.30	13.	14.	.06	5
0285	1983	125	3	0	125.12500	85.8668889	251.7456111	2143796.	1564037.	50.	-26.	8.59	28.	253.52	12.	12.	.05	7
0286	1983	125	6	0	125.25000	85.8657778	251.7310000	2143946.	1563956.	76.	-78.	8.60	27.	253.53	12.	13.	.05	6
0287	1983	125	9	0	125.37500	85.8631389	251.7133889	2144172.	1563722.	74.	-149.	8.65	27.	252.25	10.	10.	.05	8
0288	1983	125	12	0	125.50000	85.8587222	251.7044722	2144394.	1563278.	28.	-111.	8.69	15.	222.30	9.	10.	.04	9
0289	1983	125	15	0	125.62500	85.8556667	251.7076111	2144477.	1562948.	1.	-35.	8.68	21.	248.10	11.	12.	.05	7
0290	1983	125	18	0	125.75000	85.8547500	251.7111389	2144482.	1562842.	-10.	-10.	8.68	36.	267.49	18.	20.	.07	3
0291	1983	125	21	0	125.87500	85.8546111	251.7157222	2144452.	1562816.	-2.	13.	8.69	49.	262.33	13.	14.	.05	6
0292	1983	126	0	0	126.00000	85.8549444	251.7149167	2144446.	1562853.	10.	-7.	8.69	28.	253.22	12.	13.	.05	6
0293	1983	126	3	0	126.12500	85.8546944	251.7122222	2144475.	1562834.	10.	-32.	8.70	27.	251.80	13.	14.	.05	6
0294	1983	126	6	0	126.25000	85.8538056	251.7124167	2144505.	1562739.	20.	-33.	8.70	26.	255.99	14.	15.	.06	5
0295	1983	126	9	0	126.37500	85.8528056	251.7093056	2144564.	1562642.	23.	-18.	8.70	28.	252.47	14.	14.	.06	5
0296	1983	126	12	0	126.50000	85.8521389	251.7032778	2144633.	1562587.	50.	-32.	8.71	28.	246.37	16.	18.	.06	4
0297	1983	126	15	0	126.62500	85.8508889	251.6894167	2144782.	1562490.	51.	-35.	8.72	28.	251.29	15.	16.	.06	5
0298	1983	126	18	0	126.75000	85.8495556	251.6756111	2144934.	1562384.	52.	-26.	8.71	28.	252.32	14.	15.	.06	5
0299	1983	126	21	0	126.87500	85.8484444	251.6603056	2145090.	1562305.	40.	-18.	8.71	28.	251.89	15.	17.	.06	4
0300	1983	127	0	0	127.00000	85.8476667	251.6482222	2145210.	1562254.	65.	-29.	8.71	27.	252.54	13.	13.	.05	6
0301	1983	127	3	0	127.12500	85.8463889	251.6286111	2145404.	1562169.	-1.	7.	8.71	49.	292.40	18.	19.	.07	3
0302	1983	127	6	0	127.25000	85.8465556	251.6283056	2145401.	1562187.	3.	2.	8.72	22.	260.71	16.	16.	.06	4
0303	1983	127	9	0	127.37500	85.8466111	251.6271111	2145408.	1562196.	4.	-6.	8.72	27.	249.80	15.	16.	.06	5
0304	1983	127	12	0	127.50000	85.8464167	251.6263611	2145420.	1562177.	11.	-3.	8.72	24.	240.29	19.	21.	.07	3
0305	1983	127	15	0	127.62500	85.8462500	251.6230556	2145452.	1562168.	26.	-20.	8.72	28.	253.10	14.	16.	.06	5
0306	1983	127	18	0	127.75000	85.8455278	251.6163889	2145528.	1562109.	33.	-23.	8.72	33.	255.24	13.	15.	.06	5
0307	1983	127	21	0	127.87500	85.8446389	251.6074444	2145627.	1562038.	2.	4.	8.72	28.	249.14	14.	15.	.06	5
0308	1983	128	0	0	128.00000	85.8447222	251.6063889	2145633.	1562049.	-8.	-1.	8.71	30.	271.82	18.	21.	.07	3
0309	1983	128	3	0	128.12500	85.8447778	251.6094167	2145607.	1562048.	-18.	6.	8.71	30.	262.27	17.	18.	.06	4
0310	1983	128	6	0	128.25000	85.8450833	251.6151667	2145553.	1562065.	-4.	5.	8.70	27.	252.58	12.	13.	.05	6
0311	1983	128	9	0	128.37500	85.8452778	251.6160000	2145540.	1562084.	-10.	3.	8.70	28.	252.07	14.	14.	.06	5
0312	1983	128	12	0	128.50000	85.8454444	251.6191944	2145509.	1562093.	-5.	-1.	8.70	28.	252.18	12.	13.	.05	6
0313	1983	128	15	0	128.62500	85.8454444	251.6211111	2145495.	1562088.	-15.	2.	8.70	25.	245.70	13.	14.	.05	6

0314	1983	128	18	0	128.75000	85.8456389	251.6262778	2145448.	1562096.	-4.	6.	8.69	28.	252.55	16.	19.	.06	4
0315	1983	128	21	0	128.87500	85.8458333	251.6267778	2145438.	1562115.	-3.	2.	8.69	29.	254.05	14.	15.	.06	5
0316	1983	129	0	0	129.00000	85.8458889	251.6275556	2145430.	1562119.	-4.	-0.	8.69	28.	252.07	16.	17.	.06	4
0317	1983	129	3	0	129.12500	85.8459167	251.6288889	2145419.	1562118.	-9.	1.	8.69	29.	256.32	20.	19.	.07	3
0318	1983	129	6	0	129.25000	85.8460278	251.6320278	2145391.	1562122.	-3.	6.	8.69	30.	253.82	22.	23.	.09	2
0319	1983	129	9	0	129.37500	85.8461944	251.6324444	2145382.	1562139.	-6.	-1.	8.70	27.	252.65	14.	14.	.06	5
0320	1983	129	12	0	129.50000	85.8462222	251.6346389	2145364.	1562136.	-11.	-2.	8.70	28.	253.35	14.	15.	.06	5
0321	1983	129	15	0	129.62500	85.8462778	251.6386111	2145332.	1562132.	-16.	8.	8.70	27.	252.59	16.	17.	.07	4
0322	1983	129	21	0	129.87500	85.8469444	251.6481944	2145235.	1562178.	-17.	7.	8.70	29.	253.01	15.	17.	.06	5
0323	1983	130	0	0	130.00000	85.8472778	251.6533056	2145184.	1562200.	-14.	7.	8.70	32.	257.32	20.	24.	.07	3
0324	1983	130	3	0	130.12500	85.8475556	251.6574722	2145143.	1562219.	-8.	5.	8.70	32.	252.88	33.	36.	.12	1
0325	1983	130	6	0	130.25000	85.8477500	251.6598056	2145118.	1562233.	-7.	23.	8.70	28.	251.81	40.	41.	.12	1
0326	1983	130	9	0	130.37500	85.8483889	251.6594444	2145099.	1562302.	-14.	8.	8.70	0.	0.00	42.	34.	.09	2
0327	1983	130	12	0	130.50000	85.8487222	251.6634444	2145056.	1562327.	-12.	-2.	8.70	16.	129.11	57.	47.	.12	1
0328	1983	130	15	0	130.62500	85.8487500	251.6678889	2145022.	1562318.	-3.	-2.	8.71	23.	259.18	20.	21.	.07	4
0329	1983	130	18	0	130.75000	85.8487500	251.6691944	2145012.	1562315.	-10.	-3.	8.70	26.	262.23	23.	26.	.09	2
0330	1983	130	21	0	130.87500	85.8487500	251.6730000	2144982.	1562305.	-6.	-1.	8.71	22.	257.54	23.	25.	.09	2
0331	1983	131	0	0	131.00000	85.8487778	251.6753333	2144964.	1562302.	-0.	3.	8.70	29.	253.52	14.	15.	.06	5
0332	1983	131	3	0	131.12500	85.8488611	251.6750556	2144963.	1562312.	-0.	0.	8.70	28.	250.79	21.	20.	.08	3
0333	1983	131	6	0	131.25000	85.8488889	251.6751389	2144961.	1562315.	-4.	3.	8.70	27.	251.81	15.	15.	.06	5
0334	1983	131	9	0	131.37500	85.8489722	251.6761389	2144951.	1562321.	-9.	2.	8.70	28.	253.61	12.	12.	.05	7
0335	1983	131	12	0	131.50000	85.8491111	251.6789444	2144924.	1562329.	-15.	5.	8.71	27.	256.28	12.	13.	.06	6
0336	1983	131	15	0	131.62500	85.8493611	251.6836944	2144879.	1562343.	-21.	14.	8.70	45.	277.19	12.	13.	.06	6
0337	1983	131	18	0	131.75000	85.8499167	251.6895556	2144815.	1562387.	-22.	17.	8.68	29.	245.76	15.	16.	.07	4
0338	1983	131	21	0	131.87500	85.8505556	251.6951944	2144750.	1562440.	-20.	6.	8.67	28.	253.39	12.	13.	.05	7
0339	1983	132	0	0	132.00000	85.8508611	251.7013889	2144692.	1562456.	-29.	10.	8.67	34.	275.28	16.	17.	.07	4
0340	1983	132	15	0	132.62500	85.8533611	251.7467778	2144258.	1562606.	-52.	20.	8.68	25.	297.27	49.	44.	.14	1
0341	1983	132	18	0	132.75000	85.8543056	251.7627222	2144104.	1562665.	-39.	23.	8.68	27.	253.18	21.	22.	.08	3
0342	1983	132	21	0	132.87500	85.8552222	251.7738056	2143987.	1562734.	-17.	6.	8.68	27.	251.64	14.	14.	.06	6
0343	1983	133	0	0	133.00000	85.8555000	251.7791944	2143936.	1562750.	-1.	-0.	8.68	30.	219.50	16.	16.	.07	4
0344	1983	133	3	0	133.12500	85.8555000	251.7797222	2143932.	1562749.	18.	-5.	8.67	25.	254.63	13.	14.	.06	6
0345	1983	133	6	0	133.25000	85.8551944	251.7738333	2143988.	1562731.	11.	-12.	8.67	28.	251.44	12.	12.	.05	7
0346	1983	133	9	0	133.37500	85.8548333	251.7714167	2144019.	1562699.	18.	-18.	8.67	28.	250.52	12.	12.	.05	7
0347	1983	133	12	0	133.50000	85.8541944	251.7670000	2144075.	1562643.	42.	-23.	8.67	25.	254.03	16.	17.	.07	4
0348	1983	133	15	0	133.62500	85.8532778	251.7548333	2144200.	1562577.	61.	-39.	8.67	30.	243.92	14.	15.	.06	5
0349	1983	133	18	0	133.75000	85.8517500	251.7376667	2144384.	1562459.	73.	-51.	8.67	30.	254.17	13.	15.	.06	5
0350	1983	133	21	0	133.87500	85.8498611	251.7178889	2144601.	1562309.	77.	-44.	8.67	28.	251.71	14.	16.	.06	5
0351	1983	134	0	0	134.00000	85.8480833	251.6960000	2144830.	1562177.	76.	-31.	8.67	28.	250.87	18.	22.	.08	3
0352	1983	134	3	0	134.12500	85.8466389	251.6730278	2145056.	1562083.	103.	-42.	8.68	27.	261.63	19.	22.	.08	3
0353	1983	134	6	0	134.25000	85.8446944	251.6416389	2145364.	1561957.	105.	-52.	8.68	33.	260.28	18.	19.	.07	4
0354	1983	134	9	0	134.37500	85.8424722	251.6108889	2145677.	1561801.	117.	-70.	8.69	31.	258.12	25.	26.	.10	2
0355	1983	134	12	0	134.50000	85.8396944	251.5778333	2146027.	1561592.	150.	-86.	8.69	49.	272.61	26.	28.	.10	2
0356	1983	134	15	0	134.62500	85.8362222	251.5351389	2146476.	1561335.	193.	-85.	8.70	36.	292.93	30.	33.	.10	2
0357	1983	134	18	0	134.75000	85.8324444	251.4774167	2147052.	1561084.	223.	-87.	8.72	28.	251.41	26.	35.	.10	2
0358	1983	135	0	0	135.00000	85.8241944	251.3415556	2148385.	1560565.	218.	-108.	8.80	21.	284.79	30.	33.	.12	2

0359	1983	135	3	0	135.12500	85.8195556	251.2782778	2149036.	1560241.	181.	-130.	8.82	75.	239.18	40.	39.	.15	1
0360	1983	135	6	0	135.25000	85.8146944	251.2304444	2149577.	1559854.	191.	-83.	8.84	27.	250.25	22.	20.	.10	3
0361	1983	135	9	0	135.37500	85.8109444	251.1737778	2150147.	1559607.	159.	-84.	8.86	28.	251.75	16.	16.	.08	5
0362	1983	135	12	0	135.50000	85.8074167	251.1283611	2150623.	1559356.	108.	-129.	8.87	28.	253.26	19.	22.	.10	3
0363	1983	135	15	0	135.62500	85.8031944	251.1063611	2150944.	1558969.	88.	-121.	8.87	31.	255.91	16.	18.	.09	5
0364	1983	135	18	0	135.75000	85.7993611	251.0903333	2151205.	1558608.	135.	-133.	8.89	28.	210.47	15.	17.	.09	4
0365	1983	135	21	0	135.87500	85.7948056	251.0591667	2151610.	1558212.	103.	-178.	8.89	28.	250.66	16.	17.	.10	4
0366	1983	136	0	0	136.00000	85.7893889	251.0445556	2151918.	1557681.	70.	-277.	8.90	26.	252.49	14.	17.	.09	5
0367	1983	136	3	0	136.12500	85.7817500	251.0530278	2152128.	1556855.	121.	-265.	8.93	27.	254.04	15.	17.	.09	5
0368	1983	136	6	0	136.25000	85.7739444	251.0428333	2152489.	1556062.	102.	-255.	8.96	27.	248.14	13.	14.	.08	6
0369	1983	136	9	0	136.37500	85.7665833	251.0378889	2152793.	1555301.	59.	-259.	8.97	27.	264.50	13.	13.	.08	6
0370	1983	136	12	0	136.50000	85.7595000	251.0482778	2152968.	1554528.	32.	-277.	8.98	32.	251.09	17.	19.	.11	3
0371	1983	136	15	0	136.62500	85.7521667	251.0697500	2153066.	1553700.	80.	-277.	9.00	24.	260.98	11.	12.	.08	7
0372	1983	136	18	0	136.75000	85.7444444	251.0748056	2153305.	1552874.	120.	-274.	9.02	28.	252.22	12.	13.	.09	6
0373	1983	136	21	0	136.87500	85.7364444	251.0657222	2153664.	1552057.	174.	-276.	9.03	26.	276.06	16.	18.	.10	4
0374	1983	137	0	0	137.00000	85.7279167	251.0387778	2154183.	1551233.	182.	-288.	9.05	30.	238.49	14.	16.	.10	5
0375	1983	137	3	0	137.12500	85.7190278	251.0105556	2154726.	1550375.	210.	-300.	9.08	28.	250.43	16.	19.	.11	4
0376	1983	137	6	0	137.25000	85.7095556	250.9743056	2155353.	1549477.	194.	-259.	9.10	30.	254.97	17.	17.	.11	4
0377	1983	137	9	0	137.37500	85.7013056	250.9387500	2155933.	1548707.	125.	-193.	9.13	33.	266.97	11.	11.	.08	8
0378	1983	137	12	0	137.50000	85.6953056	250.9191944	2156305.	1548130.	30.	-107.	9.13	70.	295.80	14.	16.	.10	5
0379	1983	137	15	0	137.62500	85.6923056	250.9215278	2156395.	1547808.	-23.	25.	9.12	28.	255.90	14.	14.	.10	5
0380	1983	137	18	0	137.75000	85.6931389	250.9265833	2156325.	1547882.	-3.	53.	9.12	28.	254.33	16.	17.	.11	4
0381	1983	137	21	0	137.87500	85.6945000	250.9213056	2156317.	1548039.	-4.	45.	9.13	28.	265.95	15.	17.	.12	4
0382	1983	138	0	0	138.00000	85.6956667	250.9175556	2156304.	1548172.	18.	-50.	9.13	29.	255.58	27.	28.	.15	2
0383	1983	138	15	0	138.62500	85.6885000	250.9168889	2156570.	1547421.	120.	-118.	9.17	0.	0.00	29.	32.	.16	2
0384	1983	138	18	0	138.75000	85.6844444	250.8902778	2156928.	1547068.	186.	-247.	9.25	0.	0.00	23.	24.	.12	5
0385	1983	138	21	0	138.87500	85.6765556	250.8564167	2157483.	1546332.	217.	-278.	9.35	0.	0.00	43.	36.	.16	2
0386	1983	139	0	0	139.00000	85.6675833	250.8158333	2158132.	1545501.	260.	-357.	9.43	0.	0.00	25.	38.	.17	2
0387	1983	139	3	0	139.12500	85.6562500	250.7702778	2158909.	1544438.	329.	-433.	9.64	0.	0.00	23.	31.	.12	5
0388	1983	139	6	0	139.25000	85.6423333	250.7110278	2159891.	1543142.	322.	-407.	9.77	0.	0.00	23.	29.	.12	6
0389	1983	139	9	0	139.37500	85.6291667	250.6512222	2160853.	1541928.	296.	-380.	9.84	0.	0.00	35.	28.	.16	3
0390	1983	139	12	0	139.50000	85.6168889	250.5972778	2161737.	1540792.	274.	-389.	9.92	0.	0.00	34.	39.	.19	2
0391	1983	139	15	0	139.62500	85.6045833	250.5521111	2162555.	1539629.	322.	-394.	10.00	0.	0.00	21.	22.	.12	7
0392	1983	139	18	0	139.75000	85.5917222	250.4919722	2163515.	1538453.	375.	-300.	10.06	0.	0.00	31.	34.	.14	5
0393	1983	139	21	0	139.87500	85.5807778	250.4035556	2164635.	1537559.	388.	-270.	10.13	0.	0.00	20.	23.	.13	6
0394	1983	140	0	0	140.00000	85.5704444	250.3077778	2165795.	1536753.	286.	-186.	10.17	0.	0.00	23.	26.	.16	4
0395	1983	140	3	0	140.12500	85.5631389	250.2360000	2166650.	1536197.	87.	-137.	10.21	0.	0.00	25.	26.	.15	5
0396	1983	140	6	0	140.25000	85.5589167	250.2236667	2166909.	1535791.	150.	32.	10.46	0.	0.00	25.	28.	.13	7
0397	1983	140	9	0	140.37500	85.5583333	250.1710556	2167357.	1535883.	62.	48.	10.55	0.	0.00	22.	24.	.15	5
0398	1983	140	12	0	140.50000	85.5590000	250.1450000	2167543.	1536029.	53.	5.	10.58	0.	0.00	25.	28.	.15	5
0399	1983	140	15	0	140.62500	85.5586389	250.1271944	2167701.	1536044.	87.	-42.	10.60	0.	0.00	26.	28.	.16	4
0400	1983	140	18	0	140.75000	85.5567778	250.1037778	2167961.	1535918.	175.	-55.	10.62	0.	0.00	25.	31.	.16	4
0401	1983	140	21	0	140.87500	85.5537778	250.0531944	2168484.	1535753.	228.	-71.	10.66	0.	0.00	31.	31.	.16	4
0402	1983	141	0	0	141.00000	85.5498889	249.9872222	2169167.	1535541.	232.	-251.	10.70	0.	0.00	47.	49.	.20	2
0403	1983	141	3	0	141.12500	85.5414167	249.9415833	2169860.	1534791.	251.	-273.	10.77	0.	0.00	28.	34.	.19	3

0404	1983	141	6	0	141.25000	85.5322222	249.8925833	2170609.	1533976.	278.	-275.	10.82	0.	0.00	24.	26.	.17	4
0405	1983	141	9	0	141.37500	85.5227222	249.8352222	2171440.	1533156.	313.	-290.	10.88	0.	0.00	24.	23.	.17	4
0406	1983	141	12	0	141.50000	85.5125278	249.7687222	2172373.	1532291.	306.	-233.	10.93	0.	0.00	29.	45.	.19	3
0407	1983	141	15	0	141.62500	85.5038333	249.6978889	2173287.	1531598.	256.	-163.	10.98	0.	0.00	33.	33.	.19	3
0408	1983	141	18	0	141.75000	85.4973333	249.6350556	2174052.	1531111.	234.	-79.	11.04	0.	0.00	28.	35.	.19	3
0409	1983	141	21	0	141.87500	85.4931389	249.5694167	2174752.	1530874.	80.	-14.	11.08	0.	0.00	31.	31.	.20	3
0410	1983	142	0	0	142.00000	85.4920278	249.5455000	2174991.	1530831.	-33.	268.	11.17	0.	0.00	25.	31.	.18	4
0411	1983	142	3	0	142.12500	85.4990833	249.5238889	2174893.	1531632.	-85.	421.	11.27	0.	0.00	22.	30.	.17	5
0412	1983	142	6	0	142.25000	85.5105000	249.5006111	2174639.	1532892.	-103.	411.	11.35	0.	0.00	26.	25.	.18	4
0413	1983	142	9	0	142.37500	85.5218056	249.4840833	2174333.	1534120.	-33.	390.	11.41	0.	0.00	26.	26.	.18	4
0414	1983	142	12	0	142.50000	85.5319444	249.4476944	2174233.	1535286.	-19.	397.	11.47	0.	0.00	24.	26.	.16	6
0415	1983	142	15	0	142.62500	85.5420833	249.4056389	2174178.	1536469.	-152.	394.	11.52	0.	0.00	19.	22.	.15	7
0416	1983	142	18	0	142.75000	85.5534444	249.4070278	2173722.	1537647.	-207.	390.	11.57	0.	0.00	18.	21.	.16	6
0417	1983	142	21	0	142.87500	85.5651944	249.4265556	2173105.	1538811.	-192.	412.	11.62	0.	0.00	19.	19.	.16	6
0418	1983	143	0	0	143.00000	85.5773611	249.4388889	2172531.	1540041.	-232.	384.	11.69	0.	0.00	19.	24.	.15	7
0419	1983	143	3	0	143.12500	85.5892222	249.4678056	2171836.	1541189.	-212.	320.	11.77	0.	0.00	21.	22.	.14	8
0420	1983	143	6	0	143.25000	85.5992778	249.4978889	2171204.	1542146.	-158.	247.	11.82	0.	0.00	18.	18.	.14	9
0421	1983	143	9	0	143.37500	85.6069722	249.5193333	2170733.	1542883.	-158.	247.	11.84	0.	0.00	17.	18.	.14	9

APPENDIX D

DECCA LISTINGS

- D.1 Listing of #DE30M (30 minute data from CESAR)
- D.2 Listing of \$DE30\$ (reprocessed data, without calibration)
- D.3 Listing of \$DE30M (reprocessed data, with calibration)
- D.4 Listing of #DE01M (1 minute data from CESAR)
- D.5 Listing of \$DE01\$ (reprocessed data, without calibration)
- D.6 Listing of \$DE01M (reprocessed data, with calibration)

#DE30M T=00003 IS ON CR DW USING 00113 BLKS R=0000

0001	DECCA POSNS AT 30 MINUTE INTERVALS (115-22:51:04 TO 120-19:30:00) 257 RECS						
0002	NORTH LAT	EAST LONG	DEC GREEN	DEC RED	TIME-HMS		
0003	85 49 44.732	109 7 2.456	E-47.44-1	I- 0.66-1	F	22:51:04,	day 115, 1983
0004	85 52 .207	109 42 51.714	E-47.58-1	I-01.14-1	F	22:51:05,	day 115, 1983
0005	85 51 51.353	109 40 26.662	E-47.57-1	I-01.11-1	F	22:55:00,	day 115, 1983
0006	85 51 51.934	109 41 3.031	E-47.58-1	I-01.10-1	F	23:00:00,	day 115, 1983
0007	85 51 41.604	109 38 47.557	E-47.58-1	I-01.05-1	F	23:30:00,	day 115, 1983
0008	85 51 45.986	109 41 39.927	E-47.62-1	I-01.02-1	F	0:00:00,	day 116, 1983
0009	85 51 36.240	109 40 .718	E-47.63-1	I-00.96-1	F	0:30:00,	day 116, 1983
0010	85 51 57.718	109 47 7.311	E-47.68-1	I-01.00-1	F	1:00:00,	day 116, 1983
0011	85 51 36.483	109 41 58.771	E-47.67-1	I-00.91-1	F	1:30:00,	day 116, 1983
0012	85 51 49.107	109 46 40.218	E-47.71-1	I-00.92-1	F	2:00:00,	day 116, 1983
0013	85 51 26.746	109 40 19.593	E-47.68-1	I-00.85-1	F	2:30:00,	day 116, 1983
0014	85 51 43.484	109 45 54.853	E-47.72-1	I-00.88-1	F	3:00:00,	day 116, 1983
0015	85 51 49.335	109 48 38.684	E-47.75-1	I-00.87-1	F	3:30:00,	day 116, 1983
0016	85 51 40.501	109 46 13.134	E-47.74-1	I-00.84-1	F	4:00:00,	day 116, 1983
0017	85 51 39.010	109 46 22.264	E-47.75-1	I-00.82-1	F	4:30:00,	day 116, 1983
0018	85 51 48.413	109 49 24.262	E-47.77-1	I-00.84-1	F	5:00:00,	day 116, 1983
0019	85 51 51.050	109 50 28.096	E-47.78-1	I-00.84-1	F	5:30:00,	day 116, 1983
0020	85 51 42.217	109 48 2.308	E-47.77-1	I-00.81-1	F	6:00:00,	day 116, 1983
0021	85 51 49.555	109 50 37.202	E-47.79-1	I-00.82-1	F	6:30:00,	day 116, 1983
0022	85 51 54.829	109 52 45.044	E-47.81-1	I-00.82-1	F	7:00:00,	day 116, 1983
0023	85 51 42.788	109 48 38.721	E-47.78-1	I-00.80-1	F	7:30:00,	day 116, 1983
0024	85 51 44.853	109 49 6.039	E-47.78-1	I-00.81-1	F	8:00:00,	day 116, 1983
0025	85 51 59.534	109 54 16.548	E-47.82-1	I-00.83-1	F	8:30:00,	day 116, 1983
0026	85 51 46.918	109 49 33.374	E-47.78-1	I-00.82-1	F	9:00:00,	day 116, 1983
0027	85 52 57.447	110 16 1.066	F-30.00-1	I-00.88-1	F	9:30:00,	day 116, 1983
0028	85 52 48.565	110 13 31.240	E-47.99-1	I-00.85-1	F	9:40:00,	day 116, 1983
0029	85 52 54.239	110 14 18.554	E-47.98-1	I-00.89-1	F	10:00:00,	day 116, 1983
0030	85 52 57.834	110 14 37.743	E-47.97-1	I-00.92-1	F	10:30:00,	day 116, 1983
0031	85 52 56.319	110 14 46.726	E-47.98-1	I-00.90-1	F	11:00:00,	day 116, 1983
0032	85 52 58.964	110 15 52.097	E-47.99-1	I-00.90-1	F	11:30:00,	day 116, 1983
0033	85 53 23.177	110 24 19.544	F-30.05-1	I-00.94-1	F	12:00:00,	day 116, 1983
0034	85 53 34.332	110 29 21.359	F-30.10-1	I-00.93-1	F	12:30:00,	day 116, 1983
0035	85 51 39.581	109 46 58.639	E-47.76-1	I-00.81-1	F	13:00:00,	day 116, 1983
0036	85 49 39.207	109 3 5.247	E-47.38-1	I-00.71-1	F	13:10:00,	day 116, 1983
0037	85 50 22.054	109 18 44.216	E-47.52-1	I-00.74-1	F	13:15:00,	day 116, 1983
0038	85 51 2.043	109 34 56.149	E-47.68-1	I-00.73-1	F	13:20:00,	day 116, 1983
0039	85 51 58.241	109 56 24.458	E-47.87-1	I-00.76-1	F	13:25:00,	day 116, 1983
0040	85 50 49.802	109 28 57.441	E-47.61-1	I-00.76-1	F	13:30:00,	day 116, 1983
0041	85 52 15.185	110 4 4.062	E-47.95-1	I-00.74-1	F	13:33:00,	day 116, 1983
0042	85 50 53.007	109 30 35.936	E-47.63-1	I-00.75-1	F	13:34:00,	day 116, 1983
0043	85 51 2.043	109 34 56.149	E-47.68-1	I-00.73-1	F	13:35:00,	day 116, 1983

0044	85	52	.876	109	57	28.641	E-47.88-1	I-00.76-1	F	13:36:00	day	116	1983
0045	85	51	40.369	109	49	33.335	E-47.81-1	I-00.75-1	F	13:40:00	day	116	1983
0046	85	51	51.265	109	52	26.692	E-47.82-1	I-00.79-1	F	13:50:00	day	116	1983
0047	85	51	28.696	109	44	6.269	E-47.75-1	I-00.77-1	F	14:00:00	day	116	1983
0048	85	51	33.391	109	45	36.940	E-47.76-1	I-00.78-1	F	14:30:00	day	116	1983
0049	85	51	16.106	109	39	25.989	E-47.71-1	I-00.76-1	F	15:00:00	day	116	1983
0050	85	51	12.561	109	39	8.141	E-47.72-1	I-00.73-1	F	15:30:00	day	116	1983
0051	85	51	21.370	109	41	32.432	E-47.73-1	I-00.76-1	F	16:00:00	day	116	1983
0052	85	51	25.491	109	42	26.610	E-47.73-1	I-00.78-1	F	16:30:00	day	116	1983
0053	85	51	24.918	109	41	50.370	E-47.72-1	I-00.79-1	F	17:00:00	day	116	1983
0054	85	51	30.186	109	43	57.139	E-47.74-1	I-00.79-1	F	17:30:00	day	116	1983
0055	85	51	13.474	109	38	22.860	E-47.70-1	I-00.76-1	F	18:00:00	day	116	1983
0056	85	51	36.374	109	45	18.685	E-47.74-1	I-00.82-1	F	18:30:00	day	116	1983
0057	85	51	34.311	109	44	51.486	E-47.74-1	I-00.81-1	F	19:00:00	day	116	1983
0058	85	51	41.993	109	46	3.997	E-47.73-1	I-00.86-1	F	19:30:00	day	116	1983
0059	85	51	30.530	109	42	35.432	E-47.71-1	I-00.83-1	F	20:00:00	day	116	1983
0060	85	51	33.165	109	43	38.860	E-47.72-1	I-00.83-1	F	20:30:00	day	116	1983
0061	85	51	32.592	109	43	2.563	E-47.71-1	I-00.84-1	F	21:00:00	day	116	1983
0062	85	51	20.564	109	38	58.506	E-47.68-1	I-00.82-1	F	21:30:00	day	116	1983
0063	85	51	27.894	109	41	32.066	E-47.70-1	I-00.83-1	F	22:00:00	day	116	1983
0064	85	51	25.491	109	42	26.610	E-47.73-1	I-00.78-1	F	22:30:00	day	116	1983
0065	85	51	29.041	109	42	44.581	E-47.72-1	I-00.81-1	F	23:00:00	day	116	1983
0066	85	51	22.285	109	40	47.078	E-47.71-1	I-00.79-1	F	23:30:00	day	116	1983
0067	85	51	29.614	109	43	20.855	E-47.73-1	I-00.80-1	F	0:00:00	day	117	1983
0068	85	51	27.552	109	42	53.724	E-47.73-1	I-00.79-1	F	0:30:00	day	117	1983
0069	85	51	9.359	109	37	28.952	E-47.70-1	I-00.74-1	F	1:00:00	day	117	1983
0070	85	51	15.533	109	38	49.839	E-47.70-1	I-00.77-1	F	1:30:00	day	117	1983
0071	85	51	22.858	109	41	23.290	E-47.72-1	I-00.78-1	F	2:00:00	day	117	1983
0072	85	51	30.186	109	43	57.139	E-47.74-1	I-00.79-1	F	2:30:00	day	117	1983
0073	85	51	34.311	109	44	51.486	E-47.74-1	I-00.81-1	F	3:00:00	day	117	1983
0074	85	51	29.614	109	43	20.855	E-47.73-1	I-00.80-1	F	3:30:00	day	117	1983
0075	85	51	34.883	109	45	27.816	E-47.75-1	I-00.80-1	F	4:00:00	day	117	1983
0076	85	51	39.581	109	46	58.639	E-47.76-1	I-00.81-1	F	4:30:00	day	117	1983
0077	85	51	37.518	109	46	31.389	E-47.76-1	I-00.80-1	F	5:00:00	day	117	1983
0078	85	51	27.206	109	44	15.393	E-47.76-1	I-00.75-1	F	5:30:00	day	117	1983
0079	85	51	29.267	109	44	42.558	E-47.76-1	I-00.76-1	F	6:00:00	day	117	1983
0080	85	51	44.853	109	49	6.039	E-47.78-1	I-00.81-1	F	6:30:00	day	117	1983
0081	85	51	24.002	109	42	35.746	E-47.74-1	I-00.76-1	F	7:00:00	day	117	1983
0082	85	51	32.820	109	45	.617	E-47.75-1	I-00.79-1	F	7:30:00	day	117	1983
0083	85	51	24.573	109	43	11.990	E-47.75-1	I-00.75-1	F	8:00:00	day	117	1983
0084	85	51	17.251	109	40	38.322	E-47.73-1	I-00.74-1	F	8:30:00	day	117	1983
0085	85	51	46.347	109	48	56.927	E-47.77-1	I-00.83-1	F	9:00:00	day	117	1983
0086	85	51	39.581	109	46	58.639	E-47.76-1	I-00.81-1	F	9:30:00	day	117	1983
0087	85	51	29.614	109	43	20.855	E-47.73-1	I-00.80-1	F	10:00:00	day	117	1983
0088	85	51	25.491	109	42	26.610	E-47.73-1	I-00.78-1	F	10:30:00	day	117	1983

0089	85	51	26.979	109	42	17.467	E-47.72-1	I-00.80-1	F	11:00:00,	day	117,	1983
0090	85	51	28.124	109	43	29.991	E-47.74-1	I-00.78-1	F	11:30:00,	day	117,	1983
0091	85	51	43.359	109	49	15.144	E-47.79-1	I-00.79-1	F	12:00:00,	day	117,	1983
0092	85	51	22.285	109	40	47.078	E-47.71-1	I-00.79-1	F	12:30:00,	day	117,	1983
0093	85	51	10.270	109	36	43.696	E-47.68-1	I-00.77-1	F	13:00:00,	day	117,	1983
0094	85	51	31.676	109	43	48.003	E-47.73-1	I-00.81-1	F	13:30:00,	day	117,	1983
0095	85	51	20.797	109	40	56.227	E-47.72-1	I-00.77-1	F	14:00:00,	day	117,	1983
0096	85	51	18.738	109	40	29.180	E-47.72-1	I-00.76-1	F	14:30:00,	day	117,	1983
0097	85	51	19.310	109	41	5.369	E-47.73-1	I-00.75-1	F	15:00:00,	day	117,	1983
0098	85	51	21.370	109	41	32.432	E-47.73-1	I-00.76-1	F	15:30:00,	day	117,	1983
0099	85	51	11.416	109	37	55.897	E-47.70-1	I-00.75-1	F	16:00:00,	day	117,	1983
0100	85	51	25.491	109	42	26.610	E-47.73-1	I-00.78-1	F	16:30:00,	day	117,	1983
0101	85	51	30.758	109	44	33.435	E-47.75-1	I-00.78-1	F	17:00:00,	day	117,	1983
0102	85	51	26.634	109	43	39.121	E-47.75-1	I-00.76-1	F	17:30:00,	day	117,	1983
0103	85	51	25.145	109	43	48.245	E-47.76-1	I-00.74-1	F	18:00:00,	day	117,	1983
0104	85	51	22.513	109	42	44.876	E-47.75-1	I-00.74-1	F	18:30:00,	day	117,	1983
0105	85	51	23.084	109	43	21.113	E-47.76-1	I-00.73-1	F	19:00:00,	day	117,	1983
0106	85	51	35.103	109	47	25.973	E-47.79-1	I-00.75-1	F	19:30:00,	day	117,	1983
0107	85	51	37.166	109	47	53.240	E-47.79-1	I-00.76-1	F	20:00:00,	day	117,	1983
0108	85	51	32.470	109	46	22.384	E-47.78-1	I-00.75-1	F	20:30:00,	day	117,	1983
0109	85	51	29.838	109	45	18.858	E-47.77-1	I-00.75-1	F	21:00:00,	day	117,	1983
0110	85	51	40.369	109	49	33.335	E-47.81-1	I-00.75-1	F	21:30:00,	day	117,	1983
0111	85	51	33.041	109	46	58.722	E-47.79-1	I-00.74-1	F	22:00:00,	day	117,	1983
0112	85	51	21.024	109	42	53.999	E-47.76-1	I-00.72-1	F	22:30:00,	day	117,	1983
0113	85	51	34.533	109	46	49.618	E-47.78-1	I-00.76-1	F	23:00:00,	day	117,	1983
0114	85	51	27.993	109	46	49.679	E-47.81-1	I-00.69-1	F	23:30:00,	day	117,	1983
0115	85	51	3.073	109	39	26.803	E-47.77-1	I-00.62-1	F	0:00:00,	day	118,	1983
0116	85	51	21.812	109	45	28.079	E-47.81-1	I-00.66-1	F	0:30:00,	day	118,	1983
0117	85	51	25.932	109	46	22.462	E-47.81-1	I-00.68-1	F	1:00:00,	day	118,	1983
0118	85	51	23.872	109	45	55.262	E-47.81-1	I-00.67-1	F	1:30:00,	day	118,	1983
0119	85	51	19.752	109	45	.914	E-47.81-1	I-00.65-1	F	2:00:00,	day	118,	1983
0120	85	51	30.055	109	47	16.912	E-47.81-1	I-00.70-1	F	2:30:00,	day	118,	1983
0121	85	51	20.674	109	44	15.576	E-47.79-1	I-00.68-1	F	3:00:00,	day	118,	1983
0122	85	51	45.994	109	50	18.931	E-47.80-1	I-00.79-1	F	3:30:00,	day	118,	1983
0123	85	51	50.125	109	51	13.688	E-47.80-1	I-00.81-1	F	4:00:00,	day	118,	1983
0124	85	52	1.603	109	54	44.055	E-47.82-1	I-00.84-1	F	4:30:00,	day	118,	1983
0125	85	51	48.059	109	50	46.301	E-47.80-1	I-00.80-1	F	5:00:00,	day	118,	1983
0126	85	52	8.381	109	56	43.336	E-47.83-1	I-00.86-1	F	5:30:00,	day	118,	1983
0127	85	51	56.896	109	53	12.499	E-47.81-1	I-00.83-1	F	6:00:00,	day	118,	1983
0128	85	52	1.033	109	54	7.462	E-47.81-1	I-00.85-1	F	6:30:00,	day	118,	1983
0129	85	51	46.564	109	50	55.394	E-47.81-1	I-00.78-1	F	7:00:00,	day	118,	1983
0130	85	52	21.950	110	0	42.710	E-47.85-1	I-00.90-1	F	7:30:00,	day	118,	1983
0131	85	52	17.235	109	59	10.550	E-47.84-1	I-00.89-1	F	8:00:00,	day	118,	1983
0132	85	51	59.891	109	52	54.307	E-47.79-1	I-00.87-1	F	8:30:00,	day	118,	1983
0133	85	51	47.269	109	48	11.366	E-47.75-1	I-00.86-1	F	9:00:00,	day	118,	1983

0134	85	51	36.025	109	46	40.506	E-47.77-1	I-00.78-1	F	9:30:00	day	118	1983
0135	85	52	3.102	109	54	34.969	E-47.81-1	I-00.86-1	F	10:00:00	day	118	1983
0136	85	51	31.900	109	45	46.057	E-47.77-1	I-00.76-1	F	10:30:00	day	118	1983
0137	85	52	8.169	109	54	44.300	E-47.79-1	I-00.91-1	F	11:00:00	day	118	1983
0138	85	51	46.918	109	49	33.374	E-47.78-1	I-00.82-1	F	11:30:00	day	118	1983
0139	85	51	18.393	109	41	50.697	E-47.75-1	I-00.72-1	F	12:00:00	day	118	1983
0140	85	51	14.276	109	40	56.586	E-47.75-1	I-00.70-1	F	12:30:00	day	118	1983
0141	85	50	54.057	109	35	5.928	E-47.72-1	I-00.64-1	F	13:00:00	day	118	1983
0142	85	51	43.003	109	50	37.110	E-47.82-1	I-00.75-1	F	13:30:00	day	118	1983
0143	85	51	33.610	109	47	35.071	E-47.80-1	I-00.73-1	F	14:00:00	day	118	1983
0144	85	51	36.242	109	48	38.715	E-47.81-1	I-00.73-1	F	14:30:00	day	118	1983
0145	85	50	59.308	109	37	11.686	E-47.74-1	I-00.64-1	F	15:00:00	day	118	1983
0146	85	51	47.133	109	51	31.867	E-47.82-1	I-00.77-1	F	15:30:00	day	118	1983
0147	85	51	31.548	109	47	7.821	E-47.80-1	I-00.72-1	F	16:00:00	day	118	1983
0148	85	51	39.800	109	48	56.924	E-47.80-1	I-00.76-1	F	16:30:00	day	118	1983
0149	85	51	37.736	109	48	29.623	E-47.80-1	I-00.75-1	F	17:00:00	day	118	1983
0150	85	51	18.964	109	42	26.901	E-47.76-1	I-00.71-1	F	17:30:00	day	118	1983
0151	85	51	45.068	109	51	4.480	E-47.82-1	I-00.76-1	F	17:54:46	day	118	1983
0152	85	51	43.003	109	50	37.110	E-47.82-1	I-00.75-1	F	18:00:00	day	118	1983
0153	85	51	40.369	109	49	33.335	E-47.81-1	I-00.75-1	F	18:30:00	day	118	1983
0154	85	52	5.014	109	58	23.845	E-47.88-1	I-00.78-1	F	19:00:04	day	118	1983
0155	85	51	58.808	109	57	1.065	E-47.88-1	I-00.75-1	F	19:30:00	day	118	1983
0156	85	51	33.822	109	49	33.254	E-47.84-1	I-00.68-1	F	20:00:00	day	118	1983
0157	85	51	33.254	109	48	56.880	E-47.83-1	I-00.69-1	F	20:30:00	day	118	1983
0158	85	51	31.759	109	49	5.952	E-47.84-1	I-00.67-1	F	21:00:00	day	118	1983
0159	85	51	27.069	109	47	35.076	E-47.83-1	I-00.66-1	F	21:30:00	day	118	1983
0160	85	51	37.948	109	50	27.909	E-47.84-1	I-00.70-1	F	22:00:00	day	118	1983
0161	85	51	19.752	109	45	914	E-47.81-1	I-00.65-1	F	22:30:00	day	118	1983
0162	85	51	37.380	109	49	51.500	E-47.83-1	I-00.71-1	F	23:00:00	day	118	1983
0163	85	51	30.624	109	47	53.248	E-47.82-1	I-00.69-1	F	23:30:00	day	118	1983
0164	85	51	9.812	109	41	23.934	E-47.78-1	I-00.64-1	F	0:00:00	day	119	1983
0165	85	51	27.993	109	46	49.679	E-47.81-1	I-00.69-1	F	0:30:00	day	119	1983
0166	85	51	26.855	109	45	37.073	E-47.79-1	I-00.71-1	F	1:00:00	day	119	1983
0167	85	51	22.734	109	44	42.725	E-47.79-1	I-00.69-1	F	1:30:00	day	119	1983
0168	85	51	26.855	109	45	37.073	E-47.79-1	I-00.71-1	F	2:00:00	day	119	1983
0169	85	51	45.637	109	51	40.946	E-47.83-1	I-00.75-1	F	2:30:00	day	119	1983
0170	85	51	29.486	109	46	40.587	E-47.80-1	I-00.71-1	F	3:00:00	day	119	1983
0171	85	51	36.242	109	48	38.715	E-47.81-1	I-00.73-1	F	3:30:00	day	119	1983
0172	85	51	27.425	109	46	13.370	E-47.80-1	I-00.70-1	F	4:00:00	day	119	1983
0173	85	51	20.674	109	44	15.576	E-47.79-1	I-00.68-1	F	4:30:00	day	119	1983
0174	85	51	15.416	109	42	8.936	E-47.77-1	I-00.68-1	F	5:00:00	day	119	1983
0175	85	50	52.676	109	31	56.979	E-47.66-1	I-00.71-1	F	5:30:00	day	119	1983
0176	85	51	35.673	109	48	2.339	E-47.80-1	I-00.74-1	F	6:00:00	day	119	1983
0177	85	51	23.303	109	45	18.988	E-47.80-1	I-00.68-1	F	6:30:00	day	119	1983
0178	85	51	46.564	109	50	55.394	E-47.81-1	I-00.78-1	F	7:00:00	day	119	1983

0179	85	51	35.673	109	48	2.339	E-47.80-1	I-00.74-1	F	7:30:00,	day	119,	1983
0180	85	51	54.470	109	54	7.212	E-47.84-1	I-00.78-1	F	8:00:00,	day	119,	1983
0181	85	51	35.103	109	47	25.973	E-47.79-1	I-00.75-1	F	8:30:00,	day	119,	1983
0182	85	51	45.068	109	51	4.480	E-47.82-1	I-00.76-1	F	9:00:00,	day	119,	1983
0183	85	51	30.408	109	45	55.168	E-47.78-1	I-00.74-1	F	9:30:00,	day	119,	1983
0184	85	52	35.165	110	6	6.058	E-47.90-1	I-00.90-1	F	10:00:00,	day	119,	1983
0185	85	51	35.454	109	46	4.156	E-47.76-1	I-00.79-1	F	10:20:00,	day	119,	1983
0186	85	51	44.282	109	48	29.609	E-47.77-1	I-00.82-1	F	10:40:00,	day	119,	1983
0187	85	51	6.389	109	37	47.253	E-47.72-1	I-00.70-1	F	11:00:00,	day	119,	1983
0188	85	51	54.259	109	52	8.513	E-47.80-1	I-00.83-1	F	11:30:00,	day	119,	1983
0189	85	51	31.329	109	45	9.740	E-47.76-1	I-00.77-1	F	12:00:00,	day	119,	1983
0190	85	51	12.561	109	39	8.141	E-47.72-1	I-00.73-1	F	12:30:00,	day	119,	1983
0191	85	51	17.822	109	41	14.504	E-47.74-1	I-00.73-1	F	13:00:00,	day	119,	1983
0192	85	51	37.518	109	46	31.389	E-47.76-1	I-00.80-1	F	13:30:00,	day	119,	1983
0193	85	51	26.634	109	43	39.121	E-47.75-1	I-00.76-1	F	14:00:00,	day	119,	1983
0194	85	51	43.710	109	47	53.190	E-47.76-1	I-00.83-1	F	14:30:00,	day	119,	1983
0195	85	51	34.311	109	44	51.486	E-47.74-1	I-00.81-1	F	15:00:00,	day	119,	1983
0196	85	51	29.614	109	43	20.855	E-47.73-1	I-00.80-1	F	15:30:00,	day	119,	1983
0197	85	51	21.370	109	41	32.432	E-47.73-1	I-00.76-1	F	16:00:00,	day	119,	1983
0198	85	51	11.989	109	38	32.014	E-47.71-1	I-00.74-1	F	16:30:00,	day	119,	1983
0199	85	51	7.302	109	37	2.023	E-47.70-1	I-00.73-1	F	17:00:00,	day	119,	1983
0200	85	51	17.251	109	40	38.322	E-47.73-1	I-00.74-1	F	17:30:00,	day	119,	1983
0201	85	51	23.430	109	41	59.513	E-47.73-1	I-00.77-1	F	18:00:00,	day	119,	1983
0202	85	51	26.063	109	43	2.860	E-47.74-1	I-00.77-1	F	18:30:00,	day	119,	1983
0203	85	51	27.206	109	44	15.393	E-47.76-1	I-00.75-1	F	19:00:00,	day	119,	1983
0204	85	51	33.391	109	45	36.940	E-47.76-1	I-00.78-1	F	19:30:00,	day	119,	1983
0205	85	51	35.454	109	46	4.156	E-47.76-1	I-00.79-1	F	20:00:00,	day	119,	1983
0206	85	51	31.900	109	45	46.057	E-47.77-1	I-00.76-1	F	20:30:00,	day	119,	1983
0207	85	49	26.822	109	13	27.774	E-47.66-1	I- 0.29-1	F	20:55:08,	day	119,	1983
0208	85	51	17.822	109	41	14.504	E-47.74-1	I-00.73-1	F	20:59:40,	day	119,	1983
0209	85	51	4.333	109	37	20.324	E-47.72-1	I-00.69-1	F	21:01:00,	day	119,	1983
0210	85	51	17.822	109	41	14.504	E-47.74-1	I-00.73-1	F	21:05:00,	day	119,	1983
0211	85	51	18.738	109	40	29.180	E-47.72-1	I-00.76-1	F	21:20:00,	day	119,	1983
0212	85	51	26.063	109	43	2.860	E-47.74-1	I-00.77-1	F	21:30:00,	day	119,	1983
0213	85	51	26.634	109	43	39.121	E-47.75-1	I-00.76-1	F	22:00:00,	day	119,	1983
0214	85	51	22.513	109	42	44.876	E-47.75-1	I-00.74-1	F	22:30:00,	day	119,	1983
0215	85	51	32.248	109	44	24.304	E-47.74-1	I-00.80-1	F	23:00:00,	day	119,	1983
0216	85	51	46.918	109	49	33.374	E-47.78-1	I-00.82-1	F	23:30:00,	day	119,	1983
0217	85	51	32.248	109	44	24.304	E-47.74-1	I-00.80-1	F	0:00:00,	day	120,	1983
0218	85	51	41.074	109	46	49.514	E-47.75-1	I-00.83-1	F	0:30:00,	day	120,	1983
0219	85	51	31.676	109	43	48.003	E-47.73-1	I-00.81-1	F	1:00:00,	day	120,	1983
0220	85	51	33.165	109	43	38.860	E-47.72-1	I-00.83-1	F	1:30:00,	day	120,	1983
0221	85	51	24.345	109	41	14.141	E-47.71-1	I-00.80-1	F	2:00:00,	day	120,	1983
0222	85	51	30.530	109	42	35.432	E-47.71-1	I-00.83-1	F	2:30:00,	day	120,	1983
0223	85	51	29.041	109	42	44.581	E-47.72-1	I-00.81-1	F	3:00:00,	day	120,	1983

0224	85	51	31.676	109	43	48.003	E-47.73-1	I-00.81-1	F	3:30:00,	day	120,	1983
0225	85	51	24.345	109	41	14.141	E-47.71-1	I-00.80-1	F	4:00:00,	day	120,	1983
0226	85	51	17.592	109	39	16.835	E-47.70-1	I-00.78-1	F	4:30:00,	day	120,	1983
0227	85	51	36.374	109	45	18.685	E-47.74-1	I-00.82-1	F	5:00:00,	day	120,	1983
0228	85	51	25.491	109	42	26.610	E-47.73-1	I-00.78-1	F	5:30:00,	day	120,	1983
0229	85	51	29.614	109	43	20.855	E-47.73-1	I-00.80-1	F	6:00:00,	day	120,	1983
0230	85	51	22.285	109	40	47.078	E-47.71-1	I-00.79-1	F	6:30:00,	day	120,	1983
0231	85	51	35.801	109	44	42.350	E-47.73-1	I-00.83-1	F	7:00:00,	day	120,	1983
0232	85	51	35.801	109	44	42.350	E-47.73-1	I-00.83-1	F	7:30:00,	day	120,	1983
0233	85	51	29.041	109	42	44.581	E-47.72-1	I-00.81-1	F	8:00:00,	day	120,	1983
0234	85	51	23.198	109	40	1.715	E-47.69-1	I-00.82-1	F	8:30:00,	day	120,	1983
0235	85	51	22.049	109	38	49.332	E-47.67-1	I-00.84-1	F	9:00:00,	day	120,	1983
0236	85	51	21.474	109	38	13.157	E-47.66-1	I-00.85-1	F	9:30:00,	day	120,	1983
0237	85	51	37.633	109	43	11.392	E-47.69-1	I-00.89-1	F	10:00:00,	day	120,	1983
0238	85	51	37.971	109	41	49.589	E-47.66-1	I-00.93-1	F	10:30:00,	day	120,	1983
0239	85	51	43.827	109	44	32.936	E-47.69-1	I-00.92-1	F	11:00:00,	day	120,	1983
0240	85	51	6.243	109	32	31.327	E-47.61-1	I-00.84-1	F	11:30:00,	day	120,	1983
0241	85	51	24.444	109	37	54.777	E-47.64-1	I-00.89-1	F	12:00:00,	day	120,	1983
0242	85	51	33.844	109	40	55.380	E-47.66-1	I-00.91-1	F	12:30:00,	day	120,	1983
0243	85	51	30.629	109	39	15.811	E-47.64-1	I-00.92-1	F	13:00:00,	day	120,	1983
0244	85	51	18.015	109	34	36.327	E-47.60-1	I-00.91-1	F	13:30:00,	day	120,	1983
0245	85	51	3.032	109	30	52.557	E-47.59-1	I-00.85-1	F	14:00:00,	day	120,	1983
0246	85	51	26.505	109	38	21.771	E-47.64-1	I-00.90-1	F	14:30:00,	day	120,	1983
0247	85	51	25.928	109	37	45.577	E-47.63-1	I-00.91-1	F	15:00:00,	day	120,	1983
0248	85	51	31.537	109	38	30.377	E-47.62-1	I-00.95-1	F	15:30:00,	day	120,	1983
0249	85	51	12.415	109	33	51.808	E-47.61-1	I-00.87-1	F	16:00:00,	day	120,	1983
0250	85	50	48.235	109	32	24.492	E-47.69-1	I-00.65-1	F	16:38:11,	day	120,	1983
0251	85	51	28.318	109	36	50.962	E-47.60-1	I-00.96-1	F	16:40:00,	day	120,	1983
0252	85	51	36.240	109	40	.718	E-47.63-1	I-00.96-1	F	16:50:00,	day	120,	1983
0253	85	51	27.740	109	36	14.776	E-47.59-1	I-00.97-1	F	17:00:00,	day	120,	1983
0254	85	51	27.740	109	36	14.776	E-47.59-1	I-00.97-1	F	17:30:00,	day	120,	1983
0255	85	51	16.858	109	33	24.136	E-47.58-1	I-00.93-1	F	18:00:00,	day	120,	1983
0256	85	51	20.978	109	34	17.872	E-47.58-1	I-00.95-1	F	18:30:00,	day	120,	1983
0257	85	51	28.318	109	36	50.962	E-47.60-1	I-00.96-1	F	19:00:00,	day	120,	1983
0258	85	51	30.381	109	37	17.939	E-47.60-1	I-00.97-1	F	19:30:00,	day	120,	1983
0259	85	51	22.135	109	35	30.131	E-47.60-1	I-00.93-1	F	19:53:29,	day	120,	1983

\$DE30\$ T=00004 IS ON CR DW USING 00126 BLKS R=0000

0001	DECCA POSNS AT 30 MINUTE INTERVALS (115-22:51:04 TO 120-19:30:00) 257 RECS																
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORTHING	EASTING	ERNOR	EREAS	ERRAD	ERR-AZ	RED	GREEN	ERRED	ERGRN		
0003	1983	115	22	51	115.95213	85.82990	250.86901	2151797.	1562403.	-261.	47.	265.	169.7	240.66	89.44	.09	-.06
0004	1983	115	22	51	115.95214	85.86754	250.27137	2154940.	1567949.	2883.	5594.	6293.	62.7	241.14	89.58	.57	.08
0005	1983	115	22	55	115.95486	85.86508	250.31170	2154728.	1567583.	2659.	5230.	5867.	63.1	241.11	89.57	.55	.07
0006	1983	115	23	0	115.95833	85.86524	250.30159	2154798.	1567627.	2714.	5278.	5934.	62.8	241.10	89.58	.54	.08
0007	1983	115	23	30	115.97917	85.86237	250.33926	2154621.	1567225.	2445.	4897.	5473.	63.5	241.05	89.58	.53	.06
0008	1983	116	0	0	116.00000	85.86359	250.29134	2154938.	1567482.	2670.	5175.	5823.	62.7	241.02	89.62	.53	.08
0009	1983	116	0	30	116.02083	85.86088	250.31894	2154831.	1567124.	2472.	4812.	5410.	62.8	240.96	89.63	.50	.07
0010	1983	116	1	0	116.04167	85.86685	250.20032	2155502.	1568069.	3052.	5753.	6513.	62.1	241.00	89.68	.56	.10
0011	1983	116	1	30	116.06250	85.86095	250.28612	2155076.	1567219.	2535.	4899.	5516.	62.6	240.91	89.67	.50	.07
0012	1983	116	2	0	116.08333	85.86446	250.20787	2155535.	1567798.	2903.	5473.	6196.	62.1	240.92	89.71	.54	.10
0013	1983	116	2	30	116.10417	85.85824	250.31370	2154969.	1566862.	2246.	4532.	5058.	63.6	240.85	89.68	.49	.05
0014	1983	116	3	0	116.12500	85.86289	250.22048	2155499.	1567601.	2685.	5267.	5912.	63.0	240.88	89.72	.55	.07
0015	1983	116	3	30	116.14583	85.86452	250.17493	2155781.	1567894.	2898.	5549.	6260.	62.4	240.87	89.75	.56	.09
0016	1983	116	4	0	116.16667	85.86207	250.21541	2155568.	1567528.	2616.	5170.	5795.	63.2	240.84	89.74	.55	.07
0017	1983	116	4	30	116.18750	85.86165	250.21287	2155603.	1567491.	2581.	5122.	5736.	63.3	240.82	89.75	.55	.06
0018	1983	116	5	0	116.20833	85.86426	250.16227	2155886.	1567902.	2796.	5521.	6189.	63.1	240.84	89.77	.58	.07
0019	1983	116	5	30	116.22917	85.86500	250.14452	2155993.	1568027.	2833.	5635.	6307.	63.3	240.84	89.78	.60	.07
0020	1983	116	6	0	116.25000	85.86254	250.18506	2155779.	1567660.	2550.	5256.	5842.	64.1	240.81	89.77	.59	.04
0021	1983	116	6	30	116.27083	85.86458	250.14199	2156027.	1567990.	2778.	5587.	6240.	63.6	240.82	89.79	.61	.06
0022	1983	116	7	0	116.29167	85.86605	250.10644	2156240.	1568241.	2970.	5839.	6550.	63.0	240.82	89.81	.61	.08
0023	1983	116	7	30	116.31250	85.86270	250.17494	2155850.	1567704.	2559.	5303.	5888.	64.2	240.80	89.78	.60	.04
0024	1983	116	8	0	116.33333	85.86327	250.16734	2155885.	1567785.	2574.	5385.	5969.	64.4	240.81	89.78	.62	.04
0025	1983	116	8	30	116.35417	85.86735	250.08100	2156382.	1568447.	3051.	6048.	6773.	63.2	240.83	89.82	.64	.07
0026	1983	116	9	0	116.37500	85.86385	250.15974	2155921.	1567866.	2569.	5468.	6041.	64.8	240.82	89.78	.64	.03
0027	1983	116	9	30	116.39583	85.88344	249.71829	2158491.	1571123.	5170.	8733.	10148.	59.4	240.88	90.00	.69	.26
0028	1983	116	9	40	116.40278	85.88098	249.75995	2158274.	1570751.	4963.	8363.	9725.	59.3	240.85	89.99	.66	.25
0029	1983	116	10	0	116.41667	85.88255	249.74679	2158312.	1570951.	5022.	8569.	9932.	59.6	240.89	89.98	.69	.24
0030	1983	116	10	30	116.43750	85.88355	249.74145	2158313.	1571070.	5055.	8695.	10058.	59.8	240.92	89.97	.72	.24
0031	1983	116	11	0	116.45833	85.88313	249.73895	2158348.	1571033.	5121.	8666.	10066.	59.4	240.90	89.98	.69	.25
0032	1983	116	11	30	116.47917	85.88387	249.72078	2158456.	1571160.	5260.	8800.	10252.	59.1	240.90	89.99	.68	.27
0033	1983	116	12	0	116.50000	85.89059	249.57968	2159251.	1572253.	6086.	9901.	11621.	58.4	240.94	90.05	.71	.33
0034	1983	116	12	30	116.52083	85.89369	249.49576	2159756.	1572809.	6607.	10461.	12373.	57.7	240.93	90.10	.70	.39
0035	1983	116	13	0	116.54167	85.86181	250.20276	2155673.	1567535.	2540.	5192.	5780.	63.9	240.81	89.76	.58	.05
0036	1983	116	13	10	116.54861	85.82836	250.93495	2151349.	1562067.	-1779.	-274.	1800.	188.8	240.71	89.38	.48	-.33
0037	1983	116	13	15	116.55208	85.84027	250.67388	2152905.	1564010.	-220.	1670.	1684.	97.5	240.74	89.52	.50	-.19
0038	1983	116	13	20	116.55556	85.85138	250.40365	2154545.	1565900.	1423.	3560.	3834.	68.2	240.73	89.68	.49	-.03
0039	1983	116	13	25	116.55903	85.86699	250.04545	2156663.	1568506.	3544.	6167.	7113.	60.1	240.76	89.87	.52	.16
0040	1983	116	13	30	116.56250	85.84798	250.50338	2153915.	1565275.	798.	2937.	3043.	74.8	240.76	89.61	.52	-.10
0041	1983	116	13	33	116.56458	85.87170	249.91766	2157446.	1569348.	4330.	7010.	8240.	58.3	240.74	89.95	.50	.24
0042	1983	116	13	34	116.56528	85.84887	250.47600	2154090.	1565442.	975.	3104.	3254.	72.6	240.75	89.63	.51	-.08
0043	1983	116	13	35	116.56597	85.85138	250.40365	2154545.	1565900.	1431.	3562.	3839.	68.1	240.73	89.68	.49	-.03

0044	1983	116	13	36	116.56667	85.86773	250.02760	2156770.	1568631.	3656.	6294.	7279.	59.8	240.76	89.88	.52	.17
0045	1983	116	13	40	116.56944	85.86203	250.15976	2155990.	1567675.	2878.	5338.	6065.	61.7	240.75	89.81	.51	.10
0046	1983	116	13	50	116.57639	85.86506	250.11155	2156239.	1568123.	3132.	5788.	6581.	61.6	240.79	89.82	.55	.11
0047	1983	116	14	0	116.58333	85.85878	250.25069	2155425.	1567089.	2324.	4755.	5292.	64.0	240.77	89.75	.53	.04
0048	1983	116	14	30	116.60417	85.86009	250.22548	2155566.	1567294.	2481.	4964.	5550.	63.4	240.78	89.76	.54	.06
0049	1983	116	15	0	116.62500	85.85529	250.32862	2154967.	1566512.	1898.	4187.	4597.	65.6	240.76	89.71	.51	.01
0050	1983	116	15	30	116.64583	85.85430	250.33359	2154966.	1566395.	1918.	4075.	4504.	64.8	240.73	89.72	.48	.02
0051	1983	116	16	0	116.66667	85.85675	250.29347	2155178.	1566760.	2150.	4445.	4938.	64.2	240.76	89.73	.50	.04
0052	1983	116	16	30	116.68750	85.85789	250.27840	2155249.	1566921.	2242.	4611.	5127.	64.1	240.78	89.73	.52	.04
0053	1983	116	17	0	116.70833	85.85774	250.28847	2155179.	1566877.	2192.	4572.	5070.	64.4	240.79	89.72	.52	.03
0054	1983	116	17	30	116.72917	85.85920	250.25323	2155390.	1567125.	2424.	4825.	5400.	63.3	240.79	89.74	.52	.06
0055	1983	116	18	0	116.75000	85.85456	250.34617	2154862.	1566388.	1916.	4093.	4519.	64.9	240.76	89.70	.48	.02
0056	1983	116	18	30	116.77083	85.86092	250.23055	2155497.	1567367.	2572.	5077.	5691.	63.1	240.82	89.74	.54	.07
0057	1983	116	19	0	116.79167	85.86035	250.23811	2155461.	1567286.	2557.	5002.	5618.	62.9	240.81	89.74	.52	.07
0058	1983	116	19	30	116.81250	85.86248	250.21795	2155533.	1567564.	2649.	5286.	5913.	63.4	240.86	89.73	.57	.06
0059	1983	116	20	0	116.83333	85.85929	250.27594	2155215.	1567074.	2352.	4801.	5346.	63.9	240.83	89.71	.53	.05
0060	1983	116	20	30	116.85417	85.86003	250.25830	2155321.	1567198.	2478.	4931.	5518.	63.3	240.83	89.72	.53	.06
0061	1983	116	21	0	116.87500	85.85987	250.26839	2155251.	1567154.	2429.	4892.	5462.	63.6	240.84	89.71	.53	.05
0062	1983	116	21	30	116.89583	85.85653	250.33625	2154863.	1566621.	2057.	4359.	4820.	64.7	240.82	89.68	.51	.03
0063	1983	116	22	0	116.91667	85.85856	250.29356	2155110.	1566949.	2319.	4689.	5231.	63.7	240.83	89.70	.51	.05
0064	1983	116	22	30	116.93750	85.85789	250.27840	2155249.	1566921.	2475.	4661.	5277.	62.0	240.78	89.73	.46	.08
0065	1983	116	23	0	116.95833	85.85888	250.27340	2155250.	1567037.	2491.	4778.	5388.	62.5	240.81	89.72	.48	.08
0066	1983	116	23	30	116.97917	85.85700	250.30607	2155073.	1566752.	2330.	4494.	5062.	62.6	240.79	89.71	.46	.07
0067	1983	117	0	0	117.00000	85.85904	250.26331	2155320.	1567081.	2593.	4823.	5476.	61.7	240.80	89.73	.46	.09
0068	1983	117	0	30	117.02083	85.85847	250.27086	2155285.	1567001.	2555.	4742.	5387.	61.7	240.79	89.73	.45	.09
0069	1983	117	1	0	117.04167	85.85341	250.36116	2154791.	1566227.	2060.	3968.	4470.	62.6	240.74	89.70	.41	.06
0070	1983	117	1	30	117.06250	85.85513	250.33867	2154897.	1566468.	2163.	4207.	4731.	62.8	240.77	89.70	.44	.06
0071	1983	117	2	0	117.08333	85.85716	250.29600	2155143.	1566796.	2408.	4535.	5135.	62.0	240.78	89.72	.45	.08
0072	1983	117	2	30	117.10417	85.85920	250.25323	2155390.	1567125.	2653.	4863.	5539.	61.4	240.79	89.74	.46	.10
0073	1983	117	3	0	117.12500	85.86035	250.23811	2155461.	1567286.	2721.	5023.	5713.	61.6	240.81	89.74	.48	.10
0074	1983	117	3	30	117.14583	85.85904	250.26331	2155320.	1567081.	2579.	4817.	5464.	61.8	240.80	89.73	.47	.09
0075	1983	117	4	0	117.16667	85.86050	250.22801	2155532.	1567330.	2789.	5066.	5783.	61.2	240.80	89.75	.47	.11
0076	1983	117	4	30	117.18750	85.86181	250.20276	2155673.	1567535.	2930.	5270.	6030.	60.9	240.81	89.76	.48	.12
0077	1983	117	5	0	117.20833	85.86124	250.21034	2155638.	1567455.	2893.	5188.	5941.	60.9	240.80	89.76	.47	.12
0078	1983	117	5	30	117.22917	85.85837	250.24816	2155460.	1567052.	2714.	4785.	5501.	60.4	240.75	89.76	.42	.12
0079	1983	117	6	0	117.25000	85.85894	250.24060	2155495.	1567133.	2748.	4865.	5587.	60.5	240.76	89.76	.43	.12
0080	1983	117	6	30	117.27083	85.86327	250.16734	2155885.	1567785.	3137.	5517.	6346.	60.4	240.81	89.78	.48	.14
0081	1983	117	7	0	117.29167	85.85748	250.27586	2155284.	1566884.	2533.	4617.	5266.	61.2	240.76	89.74	.43	.10
0082	1983	117	7	30	117.31250	85.85993	250.23558	2155496.	1567250.	2744.	4983.	5688.	61.2	240.79	89.75	.46	.11
0083	1983	117	8	0	117.33333	85.85764	250.26579	2155354.	1566928.	2600.	4661.	5337.	60.9	240.75	89.75	.42	.11
0084	1983	117	8	30	117.35417	85.85560	250.30851	2155107.	1566599.	2351.	4333.	4930.	61.5	240.74	89.73	.41	.09
0085	1983	117	9	0	117.37500	85.86369	250.16987	2155851.	1567821.	3093.	5555.	6358.	60.9	240.83	89.77	.50	.13
0086	1983	117	9	30	117.39583	85.86181	250.20276	2155673.	1567535.	2914.	5270.	6022.	61.1	240.81	89.76	.48	.12
0087	1983	117	10	0	117.41667	85.85904	250.26331	2155320.	1567081.	2559.	4816.	5454.	62.0	240.80	89.73	.47	.09
0088	1983	117	10	30	117.43750	85.85789	250.27840	2155249.	1566921.	2487.	4655.	5278.	61.9	240.78	89.73	.45	.09

0089	1983	117	11	0	117.45833	85.85831	250.28094	2155214.	1566957.	2451.	4692.	5293.	62.4	240.80	89.72	.47	.08
0090	1983	117	11	30	117.47917	85.85863	250.26078	2155355.	1567045.	2590.	4780.	5436.	61.5	240.78	89.74	.45	.10
0091	1983	117	12	0	117.50000	85.86286	250.16481	2155920.	1567748.	3154.	5483.	6326.	60.1	240.79	89.79	.46	.14
0092	1983	117	12	30	117.52083	85.85700	250.30607	2155073.	1566752.	2296.	4488.	5041.	62.9	240.79	89.71	.47	.06
0093	1983	117	13	0	117.54167	85.85367	250.37374	2154686.	1566220.	1897.	3957.	4388.	64.4	240.77	89.68	.45	.03
0094	1983	117	13	30	117.56250	85.85961	250.25576	2155356.	1567162.	2555.	4899.	5526.	62.5	240.81	89.73	.50	.08
0095	1983	117	14	0	117.58333	85.85659	250.30353	2155108.	1566716.	2296.	4454.	5011.	62.7	240.77	89.72	.46	.07
0096	1983	117	14	30	117.60417	85.85602	250.31105	2155073.	1566636.	2249.	4375.	4919.	62.8	240.76	89.72	.45	.06
0097	1983	117	15	0	117.62500	85.85618	250.30099	2155143.	1566680.	2308.	4420.	4986.	62.4	240.75	89.73	.45	.07
0098	1983	117	15	30	117.64583	85.85675	250.29347	2155178.	1566760.	2321.	4497.	5060.	62.7	240.76	89.73	.46	.07
0099	1983	117	16	0	117.66667	85.85398	250.35367	2154826.	1566308.	1947.	4041.	4486.	64.3	240.75	89.70	.46	.03
0100	1983	117	16	30	117.68750	85.85789	250.27840	2155249.	1566921.	2348.	4651.	5210.	63.2	240.78	89.73	.49	.06
0101	1983	117	17	0	117.70833	85.85936	250.24314	2155461.	1567169.	2538.	4896.	5515.	62.6	240.78	89.75	.50	.07
0102	1983	117	17	30	117.72917	85.85821	250.25824	2155390.	1567008.	2445.	4732.	5326.	62.7	240.76	89.75	.49	.07
0103	1983	117	18	0	117.75000	85.85780	250.25571	2155424.	1566972.	2457.	4692.	5296.	62.4	240.74	89.76	.47	.08
0104	1983	117	18	30	117.77083	85.85707	250.27333	2155319.	1566848.	2329.	4565.	5125.	63.0	240.74	89.75	.48	.06
0105	1983	117	19	0	117.79167	85.85723	250.26325	2155389.	1566892.	2377.	4607.	5184.	62.7	240.73	89.76	.47	.07
0106	1983	117	19	30	117.81250	85.86057	250.19517	2155777.	1567426.	2743.	5139.	5825.	61.9	240.75	89.79	.50	.09
0107	1983	117	20	0	117.83333	85.86114	250.18759	2155813.	1567506.	2757.	5217.	5901.	62.1	240.76	89.79	.52	.09
0108	1983	117	20	30	117.85417	85.85983	250.21285	2155672.	1567301.	2593.	5010.	5641.	62.6	240.75	89.78	.51	.07
0109	1983	117	21	0	117.87500	85.85910	250.23051	2155566.	1567177.	2465.	4883.	5470.	63.2	240.75	89.77	.52	.06
0110	1983	117	21	30	117.89583	85.86203	250.15976	2155990.	1567675.	2872.	5379.	6097.	61.9	240.75	89.81	.52	.10
0111	1983	117	22	0	117.91667	85.85999	250.20275	2155742.	1567345.	2607.	5046.	5680.	62.7	240.74	89.79	.52	.07
0112	1983	117	22	30	117.93750	85.85665	250.27079	2155353.	1566811.	2202.	4509.	5018.	64.0	240.72	89.76	.50	.04
0113	1983	117	23	0	117.95833	85.86041	250.20528	2155707.	1567382.	2539.	5077.	5677.	63.4	240.76	89.78	.55	.06
0114	1983	117	23	30	117.97917	85.85859	250.20527	2155776.	1567192.	2590.	4884.	5529.	62.1	240.69	89.81	.48	.09
0115	1983	118	0	0	118.00000	85.85166	250.32842	2155104.	1566133.	1902.	3823.	4270.	63.5	240.62	89.77	.42	.04
0116	1983	118	0	30	118.02083	85.85687	250.22796	2155669.	1566950.	2456.	4637.	5247.	62.1	240.66	89.81	.46	.08
0117	1983	118	1	0	118.04167	85.85802	250.21284	2155740.	1567111.	2517.	4794.	5414.	62.3	240.68	89.81	.48	.08
0118	1983	118	1	30	118.06250	85.85744	250.22040	2155704.	1567031.	2470.	4710.	5318.	62.3	240.67	89.81	.47	.08
0119	1983	118	2	0	118.08333	85.85630	250.23552	2155633.	1566870.	2389.	4545.	5135.	62.3	240.65	89.81	.46	.07
0120	1983	118	2	30	118.10417	85.85916	250.19770	2155811.	1567272.	2556.	4944.	5566.	62.7	240.70	89.81	.51	.07
0121	1983	118	3	0	118.12500	85.85656	250.24812	2155528.	1566863.	2262.	4531.	5064.	63.5	240.68	89.79	.49	.05
0122	1983	118	3	30	118.14583	85.86359	250.14707	2156026.	1567873.	2759.	5541.	6190.	63.5	240.79	89.80	.60	.06
0123	1983	118	4	0	118.16667	85.86474	250.13185	2156098.	1568035.	2829.	5703.	6366.	63.6	240.81	89.80	.62	.06
0124	1983	118	4	30	118.18750	85.86793	250.07335	2156418.	1568528.	3148.	6196.	6949.	63.1	240.84	89.82	.65	.08
0125	1983	118	5	0	118.20833	85.86417	250.13946	2156062.	1567954.	2791.	5622.	6276.	63.6	240.80	89.80	.61	.06
0126	1983	118	5	30	118.22917	85.86981	250.04018	2156596.	1568815.	3323.	6483.	7285.	62.9	240.86	89.83	.67	.09
0127	1983	118	6	0	118.25000	85.86662	250.09881	2156276.	1568321.	3002.	5989.	6699.	63.4	240.83	89.81	.64	.07
0128	1983	118	6	30	118.27083	85.86777	250.08352	2156347.	1568483.	3077.	6157.	6883.	63.4	240.85	89.81	.66	.07
0129	1983	118	7	0	118.29167	85.86375	250.13694	2156097.	1567917.	2831.	5597.	6272.	63.2	240.78	89.81	.59	.07
0130	1983	118	7	30	118.31250	85.87358	249.97362	2156953.	1569391.	3691.	7076.	7981.	62.5	240.90	89.85	.71	.11
0131	1983	118	8	0	118.33333	85.87227	249.99925	2156811.	1569184.	3553.	6875.	7739.	62.7	240.89	89.84	.70	.10
0132	1983	118	8	30	118.35417	85.86745	250.10386	2156206.	1568395.	2952.	6092.	6769.	64.1	240.87	89.79	.68	.05
0133	1983	118	9	0	118.37500	85.86395	250.18253	2155745.	1567814.	2495.	5517.	6055.	65.7	240.86	89.75	.67	.01

0134	1983	118	9	30	118.39583	85.86082	250.20781	2155672.	1567418.	2435.	5129.	5678.	64.6	240.78	89.77	.59	.03
0135	1983	118	10	0	118.41667	85.86834	250.07588	2156383.	1568564.	3158.	6283.	7032.	63.3	240.86	89.81	.67	.08
0136	1983	118	10	30	118.43750	85.85968	250.22295	2155601.	1567257.	2389.	4983.	5526.	64.4	240.76	89.77	.57	.04
0137	1983	118	11	0	118.45833	85.86975	250.07327	2156349.	1568718.	3149.	6452.	7180.	64.0	240.91	89.79	.72	.06
0138	1983	118	11	30	118.47917	85.86385	250.15974	2155921.	1567866.	2734.	5607.	6238.	64.0	240.82	89.78	.63	.05
0139	1983	118	12	0	118.50000	85.85592	250.28839	2155248.	1566687.	2073.	4436.	4896.	65.0	240.72	89.75	.52	.02
0140	1983	118	12	30	118.52083	85.85478	250.30344	2155177.	1566527.	2003.	4276.	4722.	64.9	240.70	89.75	.50	.02
0141	1983	118	13	0	118.54167	85.84916	250.40095	2154648.	1565675.	1477.	3425.	3730.	66.7	240.64	89.72	.44	.01
0142	1983	118	13	30	118.56250	85.86276	250.14203	2156096.	1567800.	2926.	5551.	6274.	62.2	240.75	89.82	.55	.09
0143	1983	118	14	0	118.58333	85.86015	250.19264	2155812.	1567389.	2644.	5140.	5780.	62.8	240.73	89.80	.53	.07
0144	1983	118	14	30	118.60417	85.86088	250.17495	2155918.	1567514.	2752.	5265.	5941.	62.4	240.73	89.81	.53	.08
0145	1983	118	15	0	118.62500	85.85062	250.36598	2154859.	1565922.	1694.	3674.	4046.	65.3	240.64	89.74	.44	.01
0146	1983	118	15	30	118.64583	85.86391	250.12680	2156167.	1567961.	2995.	5711.	6449.	62.3	240.77	89.82	.57	.09
0147	1983	118	16	0	118.66667	85.85958	250.20022	2155777.	1567309.	2597.	5056.	5684.	62.8	240.72	89.80	.52	.07
0148	1983	118	16	30	118.68750	85.86187	250.16988	2155919.	1567631.	2732.	5376.	6030.	63.1	240.76	89.80	.57	.07
0149	1983	118	17	0	118.70833	85.86130	250.17747	2155884.	1567550.	2689.	5292.	5937.	63.1	240.75	89.80	.56	.07
0150	1983	118	17	30	118.72917	85.85608	250.27833	2155318.	1566731.	2116.	4470.	4946.	64.7	240.71	89.76	.52	.03
0151	1983	118	17	54	118.74637	85.86333	250.13441	2156131.	1567881.	2924.	5618.	6333.	62.5	240.76	89.82	.57	.09
0152	1983	118	18	0	118.75000	85.86276	250.14203	2156096.	1567800.	2887.	5537.	6244.	62.5	240.75	89.82	.56	.09
0153	1983	118	18	30	118.77083	85.86203	250.15976	2155990.	1567675.	2775.	5420.	6089.	62.9	240.75	89.81	.56	.07
0154	1983	118	19	0	118.79171	85.86888	250.01225	2156842.	1568794.	3622.	6547.	7482.	61.0	240.78	89.88	.60	.14
0155	1983	118	19	30	118.81250	85.86715	250.03527	2156734.	1568550.	3509.	6311.	7221.	60.9	240.75	89.88	.57	.14
0156	1983	118	20	0	118.83333	85.86021	250.15979	2156058.	1567485.	2828.	5254.	5966.	61.7	240.68	89.84	.51	.10
0157	1983	118	20	30	118.85417	85.86005	250.16990	2155988.	1567441.	2752.	5218.	5899.	62.2	240.69	89.83	.52	.09
0158	1983	118	21	0	118.87500	85.85964	250.16738	2156022.	1567404.	2781.	5189.	5888.	61.8	240.67	89.84	.50	.10
0159	1983	118	21	30	118.89583	85.85833	250.19265	2155881.	1567199.	2645.	4990.	5648.	62.1	240.66	89.83	.49	.09
0160	1983	118	22	0	118.91667	85.86136	250.14459	2156129.	1567646.	2899.	5443.	6167.	62.0	240.70	89.84	.53	.10
0161	1983	118	22	30	118.93750	85.85630	250.23552	2155633.	1566870.	2408.	4673.	5257.	62.7	240.65	89.81	.48	.07
0162	1983	118	23	0	118.95833	85.86120	250.15471	2156059.	1567602.	2839.	5412.	6111.	62.3	240.71	89.83	.54	.09
0163	1983	118	23	30	118.97917	85.85932	250.18759	2155882.	1567316.	2666.	5132.	5783.	62.5	240.69	89.82	.52	.08
0164	1983	119	0	0	119.00000	85.85354	250.29585	2155281.	1566417.	2071.	4239.	4718.	64.0	240.64	89.78	.47	.04
0165	1983	119	0	30	119.02083	85.85859	250.20527	2155776.	1567192.	2577.	5015.	5639.	62.8	240.69	89.81	.52	.07
0166	1983	119	1	0	119.04167	85.85827	250.22545	2155635.	1567104.	2447.	4929.	5503.	63.6	240.71	89.79	.54	.05
0167	1983	119	1	30	119.06250	85.85713	250.24057	2155564.	1566943.	2387.	4770.	5334.	63.4	240.69	89.79	.51	.05
0168	1983	119	2	0	119.08333	85.85827	250.22545	2155635.	1567104.	2469.	4932.	5516.	63.4	240.71	89.79	.53	.06
0169	1983	119	2	30	119.10417	85.86349	250.12428	2156202.	1567925.	3047.	5755.	6512.	62.1	240.75	89.83	.57	.10
0170	1983	119	3	0	119.12500	85.85900	250.20779	2155741.	1567228.	2597.	5060.	5688.	62.8	240.71	89.80	.53	.07
0171	1983	119	3	30	119.14583	85.86088	250.17495	2155918.	1567514.	2786.	5346.	6028.	62.5	240.73	89.81	.54	.08
0172	1983	119	4	0	119.16667	85.85843	250.21536	2155705.	1567148.	2584.	4980.	5611.	62.6	240.70	89.80	.51	.08
0173	1983	119	4	30	119.18750	85.85656	250.24812	2155528.	1566863.	2419.	4695.	5282.	62.7	240.68	89.79	.49	.07
0174	1983	119	5	0	119.20833	85.85509	250.28333	2155317.	1566614.	2219.	4447.	4970.	63.5	240.68	89.77	.48	.05
0175	1983	119	5	30	119.22917	85.84878	250.45347	2154264.	1565493.	1178.	3326.	3528.	70.5	240.71	89.66	.51	.06
0176	1983	119	6	0	119.25000	85.86072	250.18506	2155848.	1567470.	2773.	5303.	5984.	62.4	240.74	89.80	.53	.08
0177	1983	119	6	30	119.27083	85.85729	250.23049	2155634.	1566987.	2570.	4821.	5463.	61.9	240.68	89.80	.47	.09
0178	1983	119	7	0	119.29167	85.86375	250.13694	2156097.	1567917.	3043.	5753.	6508.	62.1	240.78	89.81	.57	.10

0179	1983	119	7	30	119.31250	85.86072	250.18506	2155848.	1567470.	2805.	5306.	6002.	62.1	240.74	89.80	.53	.09
0180	1983	119	8	0	119.33333	85.86595	250.08360	2156416.	1568292.	3384.	6130.	7002.	61.1	240.78	89.84	.56	.13
0181	1983	119	8	30	119.35417	85.86057	250.19517	2155777.	1567426.	2757.	5265.	5943.	62.4	240.75	89.79	.53	.09
0182	1983	119	9	0	119.37500	85.86333	250.13441	2156131.	1567881.	3121.	5721.	6517.	61.4	240.76	89.82	.54	.12
0183	1983	119	9	30	119.39583	85.85926	250.22042	2155636.	1567221.	2639.	5060.	5707.	62.5	240.74	89.78	.51	.08
0184	1983	119	10	0	119.41667	85.87725	249.88372	2157489.	1570021.	4505.	7860.	9059.	60.2	240.90	89.90	.67	.20
0185	1983	119	10	20	119.43056	85.86066	250.21791	2155602.	1567374.	2627.	5213.	5837.	63.3	240.79	89.76	.56	.06
0186	1983	119	10	40	119.44444	85.86312	250.17747	2155815.	1567741.	2848.	5579.	6264.	63.0	240.82	89.77	.58	.08
0187	1983	119	11	0	119.45833	85.85259	250.35608	2154860.	1566155.	1902.	3993.	4423.	64.5	240.70	89.72	.46	.03
0188	1983	119	11	30	119.47917	85.86589	250.11660	2156169.	1568196.	3224.	6034.	6841.	61.9	240.83	89.80	.59	.11
0189	1983	119	12	0	119.50000	85.85952	250.23304	2155531.	1567213.	2599.	5050.	5680.	62.8	240.77	89.76	.52	.07
0190	1983	119	12	30	119.52083	85.85430	250.33359	2154966.	1566395.	2054.	4232.	4704.	64.1	240.73	89.72	.48	.04
0191	1983	119	13	0	119.54167	85.85576	250.29845	2155177.	1566643.	2284.	4481.	5029.	63.0	240.73	89.74	.47	.06
0192	1983	119	13	30	119.56250	85.86124	250.21034	2155638.	1567455.	2764.	5292.	5970.	62.4	240.80	89.76	.53	.08
0193	1983	119	14	0	119.58333	85.85821	250.25824	2155390.	1567008.	2535.	4846.	5469.	62.4	240.76	89.75	.49	.08
0194	1983	119	14	30	119.60417	85.86296	250.18759	2155745.	1567697.	2909.	5534.	6253.	62.3	240.83	89.76	.55	.09
0195	1983	119	15	0	119.62500	85.86035	250.23811	2155461.	1567286.	2645.	5124.	5767.	62.7	240.81	89.74	.53	.08
0196	1983	119	15	30	119.64583	85.85904	250.26331	2155320.	1567081.	2510.	4914.	5518.	62.9	240.80	89.73	.51	.07
0197	1983	119	16	0	119.66667	85.85675	250.29347	2155178.	1566760.	2373.	4588.	5165.	62.6	240.76	89.73	.47	.07
0198	1983	119	16	30	119.68750	85.85414	250.34363	2154896.	1566351.	2097.	4174.	4672.	63.3	240.74	89.71	.45	.05
0199	1983	119	17	0	119.70833	85.85284	250.36865	2154755.	1566147.	1962.	3965.	4424.	63.7	240.73	89.70	.43	.04
0200	1983	119	17	30	119.72917	85.85560	250.30851	2155107.	1566599.	2320.	4412.	4985.	62.3	240.74	89.73	.44	.07
0201	1983	119	18	0	119.75000	85.85732	250.28593	2155214.	1566840.	2432.	4648.	5246.	62.4	240.77	89.73	.47	.08
0202	1983	119	18	30	119.77083	85.85805	250.26832	2155319.	1566964.	2543.	4775.	5410.	62.0	240.77	89.74	.47	.09
0203	1983	119	19	0	119.79167	85.85837	250.24816	2155460.	1567052.	2689.	4866.	5560.	61.1	240.75	89.76	.45	.11
0204	1983	119	19	30	119.81250	85.86009	250.22548	2155566.	1567294.	2801.	5111.	5828.	61.3	240.78	89.76	.48	.11
0205	1983	119	20	0	119.83333	85.86066	250.21791	2155602.	1567374.	2842.	5194.	5921.	61.3	240.79	89.76	.48	.11
0206	1983	119	20	30	119.85417	85.85968	250.22295	2155601.	1567257.	2847.	5080.	5823.	60.7	240.76	89.77	.45	.12
0207	1983	119	20	55	119.87162	85.82492	250.76193	2152797.	1562165.	47.	-10.	48.	348.4	240.29	89.66	-.02	.01
0208	1983	119	20	59	119.87477	85.85576	250.29845	2155177.	1566643.	2428.	4469.	5086.	61.5	240.73	89.74	.42	.09
0209	1983	119	21	1	119.87569	85.85202	250.36357	2154825.	1566075.	2076.	3901.	4419.	62.0	240.69	89.72	.38	.07
0210	1983	119	21	5	119.87847	85.85576	250.29845	2155177.	1566643.	2430.	4470.	5088.	61.5	240.73	89.74	.42	.09
0211	1983	119	21	20	119.88889	85.85602	250.31105	2155073.	1566636.	2330.	4465.	5036.	62.4	240.76	89.72	.45	.07
0212	1983	119	21	30	119.89583	85.85805	250.26832	2155319.	1566964.	2581.	4795.	5445.	61.7	240.77	89.74	.46	.09
0213	1983	119	22	0	119.91667	85.85821	250.25824	2155390.	1567008.	2661.	4843.	5526.	61.2	240.76	89.75	.45	.10
0214	1983	119	22	30	119.93750	85.85707	250.27333	2155319.	1566848.	2601.	4686.	5359.	61.0	240.74	89.75	.43	.11
0215	1983	119	23	0	119.95833	85.85977	250.24567	2155426.	1567206.	2718.	5048.	5734.	61.7	240.80	89.74	.48	.10
0216	1983	119	23	30	119.97917	85.86385	250.15974	2155921.	1567866.	3224.	5712.	6559.	60.6	240.82	89.78	.50	.14
0217	1983	120	0	0	120.00000	85.85977	250.24567	2155426.	1567206.	2739.	5057.	5751.	61.6	240.80	89.74	.48	.10
0218	1983	120	0	30	120.02083	85.86222	250.20529	2155639.	1567572.	2950.	5424.	6174.	61.5	240.83	89.75	.51	.11
0219	1983	120	1	0	120.04167	85.85961	250.25576	2155356.	1567162.	2666.	5015.	5679.	62.0	240.81	89.73	.49	.09
0220	1983	120	1	30	120.06250	85.86003	250.25830	2155321.	1567198.	2629.	5053.	5696.	62.5	240.83	89.72	.51	.08
0221	1983	120	2	0	120.08333	85.85758	250.29854	2155109.	1566833.	2416.	4688.	5274.	62.7	240.80	89.71	.48	.07
0222	1983	120	2	30	120.10417	85.85929	250.27594	2155215.	1567074.	2521.	4931.	5538.	62.9	240.83	89.71	.51	.07
0223	1983	120	3	0	120.12500	85.85888	250.27340	2155250.	1567037.	2554.	4895.	5521.	62.4	240.81	89.72	.49	.08

0224	1983	120	3	30	120.14583	85.85961	250.25576	2155356.	1567162.	2668.	5019.	5685.	62.0	240.81	89.73	.49	.09
0225	1983	120	4	0	120.16667	85.85758	250.29854	2155109.	1566833.	2430.	4690.	5282.	62.6	240.80	89.71	.48	.07
0226	1983	120	4	30	120.18750	85.85570	250.33116	2154932.	1566548.	2262.	4405.	4952.	62.8	240.78	89.70	.46	.06
0227	1983	120	5	0	120.20833	85.86092	250.23055	2155497.	1567367.	2836.	5223.	5943.	61.5	240.82	89.74	.49	.11
0228	1983	120	5	30	120.22917	85.85789	250.27840	2155249.	1566921.	2596.	4777.	5437.	61.5	240.78	89.73	.45	.10
0229	1983	120	6	0	120.25000	85.85904	250.26331	2155320.	1567081.	2676.	4937.	5616.	61.5	240.80	89.73	.47	.10
0230	1983	120	6	30	120.27083	85.85700	250.30607	2155073.	1566752.	2451.	4608.	5220.	62.0	240.79	89.71	.45	.08
0231	1983	120	7	0	120.29167	85.86076	250.24065	2155427.	1567323.	2827.	5179.	5900.	61.4	240.83	89.73	.49	.11
0232	1983	120	7	30	120.31250	85.86076	250.24065	2155427.	1567323.	2849.	5179.	5911.	61.2	240.83	89.73	.48	.11
0233	1983	120	8	0	120.33333	85.85888	250.27340	2155250.	1567037.	2695.	4893.	5586.	61.2	240.81	89.72	.45	.11
0234	1983	120	8	30	120.35417	85.85726	250.31868	2154968.	1566745.	2435.	4601.	5206.	62.1	240.82	89.69	.45	.08
0235	1983	120	9	0	120.37500	85.85694	250.33880	2154828.	1566657.	2317.	4513.	5073.	62.8	240.84	89.67	.47	.06
0236	1983	120	9	30	120.39583	85.85678	250.34886	2154758.	1566613.	2285.	4474.	5023.	62.9	240.85	89.66	.47	.06
0237	1983	120	10	0	120.41667	85.86127	250.26593	2155217.	1567307.	2781.	5172.	5872.	61.7	240.89	89.69	.50	.10
0238	1983	120	10	30	120.43750	85.86136	250.28867	2155041.	1567256.	2643.	5125.	5767.	62.7	240.93	89.66	.53	.08
0239	1983	120	11	0	120.45833	85.86299	250.24325	2155323.	1567549.	2962.	5423.	6179.	61.4	240.92	89.69	.51	.11
0240	1983	120	11	30	120.47917	85.85255	250.44390	2154196.	1565914.	1873.	3792.	4230.	63.7	240.84	89.61	.42	.04
0241	1983	120	12	0	120.50000	85.85760	250.35396	2154689.	1566686.	2403.	4569.	5162.	62.3	240.89	89.64	.46	.08
0242	1983	120	12	30	120.52083	85.86022	250.30374	2154971.	1567095.	2709.	4984.	5672.	61.5	240.91	89.66	.47	.10
0243	1983	120	13	0	120.54167	85.85932	250.33143	2154795.	1566927.	2557.	4821.	5457.	62.1	240.92	89.64	.47	.09
0244	1983	120	13	30	120.56250	85.85582	250.40914	2154338.	1566350.	2125.	4250.	4752.	63.4	240.91	89.60	.46	.05
0245	1983	120	14	0	120.58333	85.85165	250.47136	2154022.	1565746.	1833.	3652.	4086.	63.3	240.85	89.59	.39	.04
0246	1983	120	14	30	120.60417	85.85818	250.34646	2154724.	1566766.	2560.	4677.	5332.	61.3	240.90	89.64	.44	.10
0247	1983	120	15	0	120.62500	85.85802	250.35652	2154654.	1566722.	2514.	4639.	5276.	61.5	240.91	89.63	.44	.09
0248	1983	120	15	30	120.64583	85.85958	250.34406	2154690.	1566919.	2562.	4831.	5468.	62.1	240.95	89.62	.47	.09
0249	1983	120	16	0	120.66667	85.85426	250.42152	2154302.	1566154.	2186.	4061.	4612.	61.7	240.87	89.61	.39	.08
0250	1983	120	16	38	120.69318	85.84754	250.44583	2154368.	1565384.	2267.	3285.	3991.	55.4	240.65	89.69	.16	.16
0251	1983	120	16	40	120.69444	85.85868	250.37169	2154514.	1566751.	2414.	4651.	5240.	62.6	240.96	89.60	.47	.07
0252	1983	120	16	50	120.70139	85.86088	250.31894	2154831.	1567124.	2735.	5022.	5719.	61.4	240.96	89.63	.47	.10
0253	1983	120	17	0	120.70833	85.85852	250.38175	2154444.	1566707.	2352.	4604.	5170.	62.9	240.97	89.59	.48	.07
0254	1983	120	17	30	120.72917	85.85852	250.38175	2154444.	1566707.	2364.	4599.	5171.	62.8	240.97	89.59	.47	.07
0255	1983	120	18	0	120.75000	85.85550	250.42920	2154198.	1566262.	2130.	4149.	4664.	62.8	240.93	89.58	.43	.06
0256	1983	120	18	30	120.77083	85.85664	250.41426	2154268.	1566422.	2209.	4305.	4839.	62.8	240.95	89.58	.45	.06
0257	1983	120	19	0	120.79167	85.85868	250.37169	2154514.	1566751.	2464.	4629.	5244.	62.0	240.96	89.60	.45	.08
0258	1983	120	19	30	120.81250	85.85925	250.36419	2154550.	1566831.	2508.	4705.	5332.	61.9	240.97	89.60	.46	.09
0259	1983	120	19	53	120.82881	85.85696	250.39417	2154408.	1566510.	2374.	4381.	4983.	61.6	240.93	89.60	.42	.09

\$DE30M T=00004 IS ON CR DW USING 00124 BLKS R=0000

0001	DECCA POSNS AT 30 MINUTE INTERVALS (115-22:51:04 TO 120-19:30:00) 257 RECS														
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORTHING	EASTING	ERNOR	EREAS	ERRAD	ERR-AZ	RED	GREEN	ERRED	ERGRN
0003	1983	115 22 51	115.95213	85.79598	251.35651	2149273.	1557554.	-2784.	-4801.	5550.	239.9	240.16	89.36	-.41	-.14
0004	1983	115 22 51	115.95214	85.83313	250.78112	2152349.	1562976.	292.	620.	685.	64.8	240.64	89.50	.07	.00
0005	1983	115 22 55	115.95486	85.83070	250.81995	2152142.	1562618.	73.	265.	274.	74.7	240.61	89.49	.05	-.01
0006	1983	115 23 0	115.95833	85.83086	250.81013	2152211.	1562660.	126.	311.	336.	67.9	240.60	89.50	.04	-.00
0007	1983	115 23 30	115.97917	85.82803	250.84630	2152038.	1562267.	-138.	-61.	151.	203.9	240.55	89.50	.03	-.02
0008	1983	116 0 0	116.00000	85.82924	250.79985	2152349.	1562517.	81.	210.	225.	68.9	240.52	89.54	.03	-.00
0009	1983	116 0 30	116.02083	85.82657	250.82623	2152245.	1562167.	-114.	-145.	184.	231.8	240.46	89.55	-.00	-.01
0010	1983	116 1 0	116.04167	85.83246	250.71180	2152903.	1563090.	453.	774.	897.	59.7	240.50	89.60	.06	.02
0011	1983	116 1 30	116.06250	85.82664	250.79428	2152487.	1562259.	-54.	-61.	82.	228.5	240.41	89.59	.00	-.01
0012	1983	116 2 0	116.08333	85.83010	250.71871	2152937.	1562824.	305.	499.	585.	58.6	240.42	89.63	.04	.02
0013	1983	116 2 30	116.10417	85.82397	250.82064	2152383.	1561909.	-340.	-421.	541.	231.0	240.35	89.60	-.01	-.03
0014	1983	116 3 0	116.12500	85.82856	250.73071	2152901.	1562631.	87.	297.	309.	73.6	240.38	89.64	.05	-.01
0015	1983	116 3 30	116.14583	85.83017	250.68665	2153179.	1562917.	295.	571.	643.	62.7	240.37	89.67	.06	.01
0016	1983	116 4 0	116.16667	85.82775	250.72561	2152970.	1562559.	18.	201.	202.	84.9	240.34	89.66	.05	-.01
0017	1983	116 4 30	116.18750	85.82734	250.72307	2153005.	1562523.	-17.	154.	155.	96.2	240.32	89.67	.05	-.02
0018	1983	116 5 0	116.20833	85.82992	250.67426	2153282.	1562924.	192.	543.	576.	70.6	240.34	89.69	.08	-.01
0019	1983	116 5 30	116.22917	85.83065	250.65712	2153386.	1563046.	227.	653.	692.	70.9	240.34	89.70	.10	-.01
0020	1983	116 6 0	116.25000	85.82822	250.69614	2153178.	1562687.	-51.	283.	288.	100.2	240.31	89.69	.09	-.04
0021	1983	116 6 30	116.27083	85.83024	250.65458	2153421.	1563010.	171.	607.	630.	74.2	240.32	89.71	.11	-.02
0022	1983	116 7 0	116.29167	85.83169	250.62023	2153629.	1563254.	359.	852.	924.	67.1	240.32	89.73	.11	-.00
0023	1983	116 7 30	116.31250	85.82838	250.68631	2153247.	1562730.	-43.	329.	332.	97.5	240.30	89.70	.10	-.04
0024	1983	116 8 0	116.33333	85.82895	250.67902	2153282.	1562809.	-29.	409.	410.	94.1	240.31	89.70	.12	-.04
0025	1983	116 8 30	116.35417	85.83298	250.59570	2153769.	1563455.	437.	1056.	1143.	67.5	240.33	89.74	.14	-.01
0026	1983	116 9 0	116.37500	85.82951	250.67172	2153317.	1562888.	-35.	490.	491.	94.1	240.32	89.70	.14	-.05
0027	1983	116 9 40	116.40278	85.84645	250.28565	2155624.	1565703.	2313.	3315.	4042.	55.1	240.35	89.91	.16	.17
0028	1983	116 10 0	116.41667	85.84800	250.27313	2155660.	1565900.	2370.	3517.	4241.	56.0	240.39	89.90	.19	.16
0029	1983	116 10 30	116.43750	85.84899	250.26812	2155661.	1566016.	2403.	3641.	4362.	56.6	240.42	89.89	.22	.16
0030	1983	116 11 0	116.45833	85.84857	250.26562	2155696.	1565980.	2468.	3612.	4375.	55.7	240.40	89.90	.19	.17
0031	1983	116 11 30	116.47917	85.84930	250.24806	2155801.	1566103.	2605.	3744.	4561.	55.2	240.40	89.91	.18	.19
0032	1983	116 12 30	116.52083	85.85901	250.03090	2157076.	1567712.	3927.	5365.	6648.	53.8	240.43	90.02	.20	.31
0033	1983	116 13 0	116.54167	85.82750	250.71325	2153074.	1562565.	-59.	222.	230.	104.9	240.31	89.68	.08	-.03
0034	1983	116 13 10	116.54861	85.79446	251.42050	2148833.	1557228.	-4295.	-5114.	6678.	230.0	240.21	89.30	-.02	-.41
0035	1983	116 13 15	116.55208	85.80622	251.16824	2150359.	1559124.	-2766.	-3216.	4242.	229.3	240.24	89.44	.00	-.27
0036	1983	116 13 20	116.55556	85.81720	250.90700	2151968.	1560968.	-1154.	-1372.	1793.	229.9	240.23	89.60	-.01	-.11
0037	1983	116 13 25	116.55903	85.83263	250.56101	2154046.	1563512.	926.	1172.	1494.	51.7	240.26	89.79	.02	.08
0038	1983	116 13 30	116.56250	85.81383	251.00353	2151350.	1560359.	-1767.	-1979.	2653.	228.2	240.26	89.53	.02	-.18
0039	1983	116 13 33	116.56458	85.83729	250.43746	2154813.	1564333.	1698.	1995.	2619.	49.6	240.24	89.87	.00	.16
0040	1983	116 13 34	116.56528	85.81471	250.97701	2151522.	1560522.	-1593.	-1816.	2416.	228.7	240.25	89.55	.01	-.16
0041	1983	116 13 35	116.56597	85.81720	250.90700	2151968.	1560968.	-1146.	-1370.	1786.	230.1	240.23	89.60	-.01	-.11
0042	1983	116 13 36	116.56667	85.83335	250.54377	2154150.	1563634.	1037.	1296.	1660.	51.4	240.26	89.80	.02	.09
0043	1983	116 13 40	116.56944	85.82772	250.67141	2153385.	1562701.	273.	364.	455.	53.1	240.25	89.73	.01	.02

0044	1983	116	13	50	116.57639	85.83071	250.62502	2153629.	1563138.	522.	803.	958.	56.9	240.29	89.74	.05	.03
0045	1983	116	14	0	116.58333	85.82451	250.75937	2152831.	1562129.	-270.	-205.	339.	217.2	240.27	89.67	.03	-.04
0046	1983	116	14	30	116.60417	85.82580	250.73506	2152970.	1562329.	-115.	-0.	115.	180.2	240.28	89.68	.04	-.02
0047	1983	116	15	0	116.62500	85.82106	250.83463	2152382.	1561566.	-687.	-759.	1024.	227.9	240.26	89.63	.01	-.07
0048	1983	116	15	30	116.64583	85.82009	250.83929	2152382.	1561451.	-667.	-869.	1095.	232.5	240.23	89.64	-.02	-.06
0049	1983	116	16	0	116.66667	85.82250	250.80066	2152589.	1561808.	-439.	-507.	671.	229.1	240.26	89.65	.00	-.04
0050	1983	116	16	30	116.68750	85.82363	250.78619	2152658.	1561965.	-349.	-345.	491.	224.7	240.28	89.65	.02	-.04
0051	1983	116	17	0	116.70833	85.82347	250.79598	2152589.	1561922.	-398.	-383.	552.	223.9	240.29	89.64	.02	-.05
0052	1983	116	17	30	116.72917	85.82492	250.76192	2152797.	1562165.	-170.	-135.	217.	218.5	240.29	89.66	.02	-.02
0053	1983	116	18	0	116.75000	85.82033	250.85159	2152278.	1561445.	-668.	-850.	1081.	231.9	240.26	89.62	-.02	-.06
0054	1983	116	18	30	116.77083	85.82662	250.74015	2152901.	1562401.	-25.	112.	114.	102.4	240.32	89.66	.04	-.01
0055	1983	116	19	0	116.79167	85.82605	250.74741	2152866.	1562322.	-39.	38.	54.	135.2	240.31	89.66	.02	-.01
0056	1983	116	19	30	116.81250	85.82816	250.72816	2152936.	1562595.	52.	316.	320.	80.7	240.36	89.65	.07	-.02
0057	1983	116	20	0	116.83333	85.82501	250.78405	2152624.	1562115.	-239.	-158.	286.	213.4	240.33	89.63	.03	-.03
0058	1983	116	20	30	116.85417	85.82573	250.76701	2152728.	1562237.	-115.	-31.	119.	195.0	240.33	89.64	.03	-.02
0059	1983	116	21	0	116.87500	85.82558	250.77681	2152659.	1562194.	-163.	-68.	177.	202.6	240.34	89.63	.03	-.03
0060	1983	116	21	30	116.89583	85.82227	250.84229	2152279.	1561673.	-527.	-588.	790.	228.1	240.32	89.60	.01	-.05
0061	1983	116	22	0	116.91667	85.82429	250.80108	2152521.	1561994.	-270.	-267.	379.	224.7	240.33	89.62	.01	-.03
0062	1983	116	22	30	116.93750	85.82363	250.78619	2152658.	1561965.	-116.	-295.	317.	248.5	240.28	89.65	-.04	.00
0063	1983	116	23	0	116.95833	85.82460	250.78150	2152659.	1562080.	-100.	-180.	206.	240.9	240.31	89.64	-.02	-.00
0064	1983	116	23	30	116.97917	85.82275	250.81298	2152486.	1561801.	-257.	-458.	525.	240.7	240.29	89.63	-.04	-.01
0065	1983	117	0	0	117.00000	85.82476	250.77171	2152728.	1562122.	1.	-136.	136.	270.3	240.30	89.65	-.04	.01
0066	1983	117	0	30	117.02083	85.82420	250.77895	2152693.	1562044.	-36.	-215.	218.	260.4	240.29	89.65	-.05	.01
0067	1983	117	1	0	117.04167	85.81920	250.86599	2152209.	1561288.	-522.	-972.	1103.	241.8	240.24	89.62	-.09	-.02
0068	1983	117	1	30	117.06250	85.82090	250.84439	2152313.	1561523.	-420.	-737.	849.	240.3	240.27	89.62	-.06	-.02
0069	1983	117	2	0	117.08333	85.82291	250.80321	2152555.	1561844.	-181.	-418.	455.	246.6	240.28	89.64	-.05	.00
0070	1983	117	2	30	117.10417	85.82492	250.76192	2152797.	1562165.	59.	-97.	114.	301.2	240.29	89.66	-.04	.02
0071	1983	117	3	0	117.12500	85.82605	250.74741	2152866.	1562322.	126.	59.	139.	25.2	240.31	89.66	-.02	.02
0072	1983	117	3	30	117.14583	85.82476	250.77171	2152728.	1562122.	-14.	-142.	142.	264.5	240.30	89.65	-.03	.01
0073	1983	117	4	0	117.16667	85.82621	250.73760	2152935.	1562365.	193.	100.	217.	27.5	240.30	89.67	-.03	.03
0074	1983	117	4	30	117.18750	85.82750	250.71325	2153074.	1562565.	330.	300.	446.	42.2	240.31	89.68	-.02	.04
0075	1983	117	5	0	117.20833	85.82693	250.72052	2153039.	1562487.	294.	220.	368.	36.8	240.30	89.68	-.03	.04
0076	1983	117	5	30	117.22917	85.82411	250.75683	2152865.	1562093.	120.	-174.	211.	304.5	240.25	89.68	-.08	.04
0077	1983	117	6	0	117.25000	85.82467	250.74958	2152900.	1562172.	153.	-96.	181.	327.8	240.26	89.68	-.07	.04
0078	1983	117	6	30	117.27083	85.82895	250.67902	2153282.	1562809.	533.	541.	760.	45.4	240.31	89.70	-.02	.06
0079	1983	117	7	0	117.29167	85.82322	250.78365	2152693.	1561929.	-58.	-338.	343.	260.3	240.26	89.66	-.07	.02
0080	1983	117	7	30	117.31250	85.82564	250.74486	2152900.	1562286.	148.	19.	149.	7.5	240.29	89.67	-.04	.03
0081	1983	117	8	0	117.33333	85.82338	250.77386	2152762.	1561972.	7.	-295.	295.	271.4	240.25	89.67	-.08	.03
0082	1983	117	8	30	117.35417	85.82137	250.81510	2152520.	1561651.	-236.	-616.	659.	249.0	240.24	89.65	-.09	.01
0083	1983	117	9	0	117.37500	85.82935	250.68156	2153247.	1562845.	489.	579.	758.	49.8	240.33	89.69	.00	.05
0084	1983	117	9	30	117.39583	85.82750	250.71325	2153074.	1562565.	315.	300.	434.	43.6	240.31	89.68	-.02	.04
0085	1983	117	10	0	117.41667	85.82476	250.77171	2152728.	1562122.	-33.	-143.	147.	257.0	240.30	89.65	-.03	.01
0086	1983	117	10	30	117.43750	85.82363	250.78619	2152658.	1561965.	-104.	-301.	318.	251.0	240.28	89.65	-.05	.01
0087	1983	117	11	0	117.45833	85.82404	250.78874	2152624.	1562001.	-139.	-264.	299.	242.2	240.30	89.64	-.03	-.00
0088	1983	117	11	30	117.47917	85.82435	250.76916	2152762.	1562086.	-3.	-179.	179.	269.1	240.28	89.66	-.05	.02

0089	1983	117	12	0	117.50000	85.82854	250.67648	2153316.	1562773.	550.	508.	749.	42.7	240.29	89.71	-.04	.06
0090	1983	117	12	30	117.52083	85.82275	250.81298	2152486.	1561801.	-292.	-463.	547.	237.8	240.29	89.63	-.03	-.02
0091	1983	117	13	0	117.54167	85.81945	250.87828	2152106.	1561281.	-683.	-982.	1196.	235.2	240.27	89.60	-.05	-.05
0092	1983	117	13	30	117.56250	85.82533	250.76446	2152762.	1562201.	-38.	-62.	72.	238.2	240.31	89.65	-.00	-.00
0093	1983	117	14	0	117.58333	85.82234	250.81043	2152520.	1561765.	-292.	-496.	576.	239.5	240.27	89.64	-.04	-.01
0094	1983	117	14	30	117.60417	85.82178	250.81765	2152485.	1561687.	-338.	-574.	666.	239.5	240.26	89.64	-.05	-.02
0095	1983	117	15	0	117.62500	85.82194	250.80788	2152554.	1561729.	-281.	-531.	600.	242.1	240.25	89.65	-.05	-.01
0096	1983	117	15	30	117.64583	85.82250	250.80066	2152589.	1561808.	-268.	-455.	528.	239.5	240.26	89.65	-.04	-.01
0097	1983	117	16	0	117.66667	85.81977	250.85879	2152244.	1561366.	-635.	-900.	1102.	234.8	240.25	89.62	-.04	-.05
0098	1983	117	16	30	117.68750	85.82363	250.78619	2152658.	1561965.	-243.	-305.	390.	231.5	240.28	89.65	-.01	-.02
0099	1983	117	17	0	117.70833	85.82508	250.75212	2152866.	1562208.	-57.	-66.	87.	228.9	240.28	89.67	.00	-.01
0100	1983	117	17	30	117.72917	85.82395	250.76662	2152796.	1562050.	-149.	-226.	271.	236.7	240.26	89.67	-.01	-.01
0101	1983	117	18	0	117.75000	85.82354	250.76408	2152831.	1562014.	-136.	-266.	299.	242.8	240.24	89.68	-.03	-.00
0102	1983	117	18	30	117.77083	85.82282	250.78110	2152727.	1561893.	-262.	-389.	469.	236.0	240.24	89.67	-.02	-.02
0103	1983	117	19	0	117.79167	85.82298	250.77132	2152796.	1561936.	-216.	-349.	410.	238.3	240.23	89.68	-.03	-.01
0104	1983	117	19	30	117.81250	85.82627	250.70562	2153177.	1562457.	143.	170.	222.	50.0	240.25	89.71	.00	.01
0105	1983	117	20	0	117.83333	85.82684	250.69835	2153212.	1562536.	155.	247.	292.	57.8	240.26	89.71	.02	.01
0106	1983	117	20	30	117.85417	85.82555	250.72271	2153073.	1562336.	-6.	44.	45.	97.2	240.25	89.70	.01	-.01
0107	1983	117	21	0	117.87500	85.82483	250.73978	2152969.	1562214.	-132.	-80.	154.	211.1	240.25	89.69	.02	-.02
0108	1983	117	21	30	117.89583	85.82772	250.67141	2153385.	1562701.	267.	404.	484.	56.5	240.25	89.73	.02	.02
0109	1983	117	22	0	117.91667	85.82571	250.71290	2153142.	1562379.	8.	79.	80.	84.6	240.24	89.71	.02	-.01
0110	1983	117	22	30	117.93750	85.82241	250.77856	2152761.	1561857.	-390.	-445.	592.	228.7	240.22	89.68	.00	-.04
0111	1983	117	23	0	117.95833	85.82612	250.71544	2153108.	1562415.	-60.	110.	126.	118.8	240.26	89.70	.05	-.02
0112	1983	117	23	30	117.97917	85.82433	250.71510	2153176.	1562228.	-9.	-80.	80.	263.5	240.19	89.73	-.02	.01
0113	1983	118	0	0	118.00000	85.81749	250.83377	2152519.	1561194.	-683.	-1116.	1309.	238.5	240.12	89.69	-.08	-.04
0114	1983	118	0	30	118.02083	85.82263	250.73688	2153072.	1561992.	-141.	-322.	351.	246.4	240.16	89.73	-.04	.00
0115	1983	118	1	0	118.04167	85.82376	250.72236	2153141.	1562149.	-82.	-168.	187.	244.0	240.18	89.73	-.02	-.00
0116	1983	118	1	30	118.06250	85.82320	250.72962	2153107.	1562070.	-127.	-251.	281.	243.1	240.17	89.73	-.03	-.00
0117	1983	118	2	0	118.08333	85.82207	250.74413	2153037.	1561913.	-208.	-412.	461.	243.2	240.15	89.73	-.04	-.01
0118	1983	118	2	30	118.10417	85.82489	250.70783	2153211.	1562307.	-44.	-22.	49.	206.1	240.20	89.73	.01	-.01
0119	1983	118	3	0	118.12500	85.82232	250.75645	2152934.	1561906.	-332.	-426.	540.	232.0	240.18	89.71	-.01	-.03
0120	1983	118	3	30	118.14583	85.82926	250.65934	2153420.	1562895.	153.	563.	583.	74.8	240.29	89.72	.10	-.02
0121	1983	118	4	0	118.16667	85.83039	250.64473	2153490.	1563053.	221.	721.	754.	72.9	240.31	89.72	.12	-.02
0122	1983	118	4	30	118.18750	85.83354	250.58836	2153804.	1563534.	534.	1202.	1315.	66.1	240.34	89.74	.15	.00
0123	1983	118	5	0	118.20833	85.82983	250.65204	2153455.	1562974.	184.	642.	667.	74.0	240.30	89.72	.11	-.02
0124	1983	118	5	30	118.22917	85.83540	250.55641	2153978.	1563815.	705.	1483.	1642.	64.6	240.36	89.75	.17	.01
0125	1983	118	6	0	118.25000	85.83225	250.61290	2153664.	1563333.	390.	1001.	1074.	68.7	240.33	89.73	.14	-.01
0126	1983	118	6	30	118.27083	85.83339	250.59823	2153734.	1563491.	464.	1165.	1254.	68.3	240.35	89.73	.16	-.01
0127	1983	118	7	0	118.29167	85.82942	250.64950	2153490.	1562938.	224.	617.	656.	70.1	240.28	89.73	.09	-.01
0128	1983	118	7	30	118.31250	85.83913	250.49230	2154328.	1564378.	1066.	2063.	2322.	62.7	240.40	89.77	.21	.03
0129	1983	118	8	0	118.33333	85.83783	250.51701	2154188.	1564175.	930.	1867.	2086.	63.5	240.39	89.76	.20	.02
0130	1983	118	8	30	118.35417	85.83307	250.61798	2153595.	1563405.	341.	1102.	1154.	72.8	240.37	89.71	.18	-.03
0131	1983	118	9	0	118.37500	85.82961	250.69394	2153144.	1562838.	-106.	541.	551.	101.1	240.36	89.67	.17	-.07
0132	1983	118	9	30	118.39583	85.82652	250.71798	2153073.	1562451.	-164.	161.	230.	135.5	240.28	89.69	.09	-.05
0133	1983	118	10	0	118.41667	85.83395	250.59089	2153769.	1563570.	544.	1289.	1399.	67.1	240.36	89.73	.17	-.00

0134	1983	118	10	30	118.43750	85.82539	250.73251	2153004.	1562293.	-209.	19.	209.	174.8	240.26	89.69	.07	-.04
0135	1983	118	11	0	118.45833	85.83534	250.58862	2153735.	1563722.	535.	1455.	1551.	69.8	240.41	89.71	.22	-.02
0136	1983	118	11	30	118.47917	85.82951	250.67172	2153317.	1562888.	129.	629.	642.	78.4	240.32	89.70	.13	-.03
0137	1983	118	12	0	118.50000	85.82169	250.79557	2152658.	1561736.	-517.	-515.	730.	224.9	240.22	89.67	.02	-.06
0138	1983	118	12	30	118.52083	85.82056	250.81001	2152588.	1561579.	-585.	-671.	891.	228.9	240.20	89.67	.00	-.06
0139	1983	118	13	0	118.54167	85.81501	250.90396	2152071.	1560747.	-1101.	-1503.	1863.	233.8	240.14	89.64	-.06	-.09
0140	1983	118	13	30	118.56250	85.82844	250.65427	2153489.	1562822.	319.	573.	656.	60.9	240.25	89.74	.05	.01
0141	1983	118	14	0	118.58333	85.82587	250.70309	2153211.	1562421.	43.	172.	178.	76.0	240.23	89.72	.03	-.01
0142	1983	118	14	30	118.60417	85.82659	250.68599	2153315.	1562543.	149.	294.	330.	63.2	240.23	89.73	.03	.00
0143	1983	118	15	0	118.62500	85.81645	250.87017	2152278.	1560988.	-887.	-1260.	1541.	234.8	240.14	89.66	-.06	-.07
0144	1983	118	15	30	118.64583	85.82958	250.63966	2153559.	1562980.	387.	730.	826.	62.1	240.27	89.74	.07	.01
0145	1983	118	16	0	118.66667	85.82530	250.71036	2153177.	1562343.	-3.	90.	90.	92.0	240.22	89.72	.02	-.01
0146	1983	118	16	30	118.68750	85.82756	250.68124	2153316.	1562658.	129.	402.	423.	72.2	240.26	89.72	.07	-.01
0147	1983	118	17	0	118.70833	85.82700	250.68852	2153281.	1562579.	87.	321.	333.	74.9	240.25	89.72	.06	-.01
0148	1983	118	17	30	118.72917	85.82185	250.78579	2152727.	1561779.	-475.	-482.	677.	225.4	240.21	89.68	.02	-.05
0149	1983	118	17	54	118.74637	85.82901	250.64697	2153524.	1562901.	316.	639.	713.	63.7	240.26	89.74	.07	.01
0150	1983	118	18	0	118.75000	85.82844	250.65427	2153489.	1562822.	280.	559.	626.	63.4	240.25	89.74	.06	.01
0151	1983	118	18	30	118.77083	85.82772	250.67141	2153385.	1562701.	171.	446.	477.	69.0	240.25	89.73	.06	-.01
0152	1983	118	19	0	118.79171	85.83449	250.52903	2154220.	1563792.	1001.	1545.	1841.	57.1	240.28	89.80	.10	.06
0153	1983	118	19	30	118.81250	85.83279	250.55113	2154115.	1563555.	890.	1316.	1589.	55.9	240.25	89.80	.07	.06
0154	1983	118	20	0	118.83333	85.82593	250.67110	2153453.	1562514.	223.	283.	360.	51.7	240.18	89.76	.01	.02
0155	1983	118	20	30	118.85417	85.82577	250.68092	2153384.	1562471.	148.	248.	289.	59.1	240.19	89.75	.02	.01
0156	1983	118	21	0	118.87500	85.82536	250.67839	2153418.	1562435.	177.	220.	282.	51.1	240.17	89.76	.00	.02
0157	1983	118	21	30	118.89583	85.82408	250.70276	2153280.	1562234.	44.	26.	51.	30.4	240.16	89.75	-.01	.01
0158	1983	118	22	0	118.91667	85.82706	250.65651	2153523.	1562671.	292.	469.	552.	58.0	240.20	89.76	.03	.02
0159	1983	118	22	30	118.93750	85.82207	250.74413	2153037.	1561913.	-188.	-283.	340.	236.4	240.15	89.73	-.02	-.01
0160	1983	118	23	0	118.95833	85.82690	250.66634	2153454.	1562629.	233.	438.	497.	62.0	240.21	89.75	.04	.01
0161	1983	118	23	30	118.97917	85.82505	250.69802	2153280.	1562349.	65.	165.	177.	68.5	240.19	89.74	.02	-.00
0162	1983	119	0	0	119.00000	85.81934	250.80239	2152691.	1561471.	-519.	-707.	877.	233.7	240.14	89.70	-.03	-.04
0163	1983	119	0	30	119.02083	85.82433	250.71510	2153176.	1562228.	-23.	51.	56.	113.9	240.19	89.73	.02	-.01
0164	1983	119	1	0	119.04167	85.82401	250.73470	2153038.	1562142.	-150.	-32.	153.	192.1	240.21	89.71	.04	-.03
0165	1983	119	1	30	119.06250	85.82288	250.74921	2152968.	1561985.	-209.	-188.	281.	222.0	240.19	89.71	.01	-.02
0166	1983	119	2	0	119.08333	85.82401	250.73470	2153038.	1562142.	-128.	-29.	131.	192.7	240.21	89.71	.03	-.02
0167	1983	119	2	30	119.10417	85.82917	250.63712	2153593.	1562944.	438.	775.	890.	60.5	240.25	89.75	.07	.02
0168	1983	119	3	0	119.12500	85.82474	250.71763	2153142.	1562264.	-2.	96.	96.	91.3	240.21	89.72	.03	-.01
0169	1983	119	3	30	119.14583	85.82659	250.68599	2153315.	1562543.	183.	375.	417.	64.0	240.23	89.73	.04	.00
0170	1983	119	4	0	119.16667	85.82417	250.72490	2153107.	1562185.	-14.	17.	22.	128.7	240.20	89.72	.01	-.00
0171	1983	119	4	30	119.18750	85.82232	250.75645	2152934.	1561906.	-176.	-261.	315.	236.0	240.18	89.71	-.01	-.01
0172	1983	119	5	0	119.20833	85.82087	250.79048	2152726.	1561664.	-372.	-503.	626.	233.6	240.18	89.69	-.02	-.03
0173	1983	119	5	30	119.22917	85.81463	250.95505	2151693.	1560571.	-1393.	-1596.	2119.	228.9	240.21	89.58	.01	-.14
0174	1983	119	6	0	119.25000	85.82643	250.69581	2153246.	1562500.	171.	333.	375.	62.8	240.24	89.72	.03	.00
0175	1983	119	6	30	119.27083	85.82304	250.73942	2153038.	1562028.	-27.	-138.	141.	259.1	240.18	89.72	-.03	.01
0176	1983	119	7	0	119.29167	85.82942	250.64950	2153490.	1562938.	436.	773.	888.	60.6	240.28	89.73	.07	.02
0177	1983	119	7	30	119.31250	85.82643	250.69581	2153246.	1562500.	204.	337.	394.	58.8	240.24	89.72	.03	.01
0178	1983	119	8	0	119.33333	85.83159	250.59797	2153803.	1563303.	771.	1141.	1377.	56.0	240.28	89.76	.06	.05

0179	1983	119	8	30	119.35417	85.82627	250.70562	2153177.	1562457.	156.	296.	335.	62.2	240.25	89.71	.03	.01
0180	1983	119	9	0	119.37500	85.82901	250.64697	2153524.	1562901.	514.	741.	902.	55.3	240.26	89.74	.04	.04
0181	1983	119	9	30	119.39583	85.82499	250.72997	2153038.	1562257.	41.	97.	105.	66.8	240.24	89.70	.01	-.00
0182	1983	119	10	0	119.41667	85.84276	250.40545	2154853.	1564992.	1869.	2831.	3392.	56.6	240.40	89.82	.17	.12
0183	1983	119	10	20	119.43056	85.82637	250.72779	2153004.	1562408.	29.	247.	248.	83.3	240.29	89.68	.06	-.02
0184	1983	119	10	40	119.44444	85.82879	250.68885	2153213.	1562766.	246.	604.	653.	67.9	240.32	89.69	.08	-.00
0185	1983	119	11	0	119.45833	85.81839	250.86089	2152278.	1561216.	-680.	-946.	1165.	234.3	240.20	89.64	-.04	-.05
0186	1983	119	11	30	119.47917	85.83153	250.63009	2153560.	1563211.	615.	1048.	1215.	59.6	240.33	89.72	.09	.03
0187	1983	119	12	0	119.50000	85.82524	250.74232	2152935.	1562250.	3.	87.	87.	88.1	240.27	89.68	.02	-.01
0188	1983	119	12	30	119.52083	85.82009	250.83929	2152382.	1561451.	-531.	-711.	888.	233.3	240.23	89.64	-.02	-.04
0189	1983	119	13	0	119.54167	85.82153	250.80534	2152589.	1561693.	-305.	-469.	559.	237.0	240.23	89.66	-.03	-.02
0190	1983	119	13	30	119.56250	85.82693	250.72052	2153039.	1562487.	165.	324.	364.	63.0	240.30	89.68	.03	.00
0191	1983	119	14	0	119.58333	85.82395	250.76662	2152796.	1562050.	-58.	-112.	126.	242.5	240.26	89.67	-.01	-.00
0192	1983	119	14	30	119.60417	85.82863	250.69868	2153143.	1562723.	308.	561.	640.	61.2	240.33	89.68	.05	.01
0193	1983	119	15	0	119.62500	85.82605	250.74741	2152866.	1562322.	50.	160.	168.	72.7	240.31	89.66	.03	-.00
0194	1983	119	15	30	119.64583	85.82476	250.77171	2152728.	1562122.	-83.	-45.	94.	208.4	240.30	89.65	.01	-.01
0195	1983	119	16	0	119.66667	85.82250	250.80066	2152589.	1561808.	-216.	-364.	423.	239.4	240.26	89.65	-.03	-.01
0196	1983	119	16	30	119.68750	85.81993	250.84904	2152313.	1561409.	-486.	-768.	909.	237.7	240.24	89.63	-.05	-.03
0197	1983	119	17	0	119.70833	85.81864	250.87318	2152175.	1561210.	-618.	-972.	1152.	237.5	240.23	89.62	-.07	-.04
0198	1983	119	17	30	119.72917	85.82137	250.81510	2152520.	1561651.	-268.	-536.	599.	243.5	240.24	89.65	-.06	-.01
0199	1983	119	18	0	119.75000	85.82307	250.79343	2152624.	1561886.	-158.	-306.	344.	242.6	240.27	89.65	-.03	-.00
0200	1983	119	18	30	119.77083	85.82379	250.77641	2152727.	1562008.	-49.	-181.	188.	254.8	240.27	89.66	-.03	.01
0201	1983	119	19	0	119.79167	85.82411	250.75683	2152865.	1562093.	94.	-93.	132.	315.4	240.25	89.68	-.05	.03
0202	1983	119	19	30	119.81250	85.82580	250.73506	2152970.	1562329.	204.	146.	251.	35.6	240.28	89.68	-.02	.03
0203	1983	119	20	0	119.83333	85.82637	250.72779	2153004.	1562408.	244.	228.	334.	43.0	240.29	89.68	-.02	.03
0204	1983	119	20	30	119.85417	85.82539	250.73251	2153004.	1562293.	249.	116.	275.	25.0	240.26	89.69	-.05	.04
0205	1983	119	20	59	119.87477	85.82153	250.80534	2152589.	1561693.	-160.	-481.	507.	251.6	240.23	89.66	-.08	.01
0206	1983	119	21	1	119.87569	85.81783	250.86808	2152244.	1561138.	-505.	-1036.	1153.	244.0	240.19	89.64	-.12	-.01
0207	1983	119	21	5	119.87847	85.82153	250.80534	2152589.	1561693.	-159.	-480.	505.	251.7	240.23	89.66	-.08	.01
0208	1983	119	21	20	119.88889	85.82178	250.81765	2152485.	1561687.	-257.	-485.	548.	242.1	240.26	89.64	-.05	-.01
0209	1983	119	21	30	119.89583	85.82379	250.77641	2152727.	1562008.	-11.	-162.	163.	266.0	240.27	89.66	-.04	.01
0210	1983	119	22	0	119.91667	85.82395	250.76662	2152796.	1562050.	68.	-115.	134.	300.5	240.26	89.67	-.05	.02
0211	1983	119	22	30	119.93750	85.82282	250.78110	2152727.	1561893.	9.	-268.	269.	271.9	240.24	89.67	-.07	.03
0212	1983	119	23	0	119.95833	85.82549	250.75466	2152831.	1562244.	124.	86.	151.	34.9	240.30	89.66	-.02	.02
0213	1983	119	23	30	119.97917	85.82951	250.67172	2153317.	1562888.	619.	735.	961.	49.9	240.32	89.70	.00	.06
0214	1983	120	0	0	120.00000	85.82549	250.75466	2152831.	1562244.	144.	95.	173.	33.2	240.30	89.66	-.02	.02
0215	1983	120	0	30	120.02083	85.82791	250.71579	2153039.	1562601.	351.	454.	574.	52.3	240.33	89.67	.01	.03
0216	1983	120	1	0	120.04167	85.82533	250.76446	2152762.	1562201.	72.	54.	90.	36.9	240.31	89.65	-.01	.01
0217	1983	120	1	30	120.06250	85.82573	250.76701	2152728.	1562237.	36.	91.	98.	68.3	240.33	89.64	.01	-.00
0218	1983	120	2	0	120.08333	85.82331	250.80576	2152520.	1561880.	-173.	-265.	316.	236.9	240.30	89.63	-.02	-.01
0219	1983	120	2	30	120.10417	85.82501	250.78405	2152624.	1562115.	-70.	-28.	76.	201.5	240.33	89.63	.01	-.01
0220	1983	120	3	0	120.12500	85.82460	250.78150	2152659.	1562080.	-37.	-62.	73.	239.1	240.31	89.64	-.01	-.00
0221	1983	120	3	30	120.14583	85.82533	250.76446	2152762.	1562201.	75.	59.	95.	38.0	240.31	89.65	-.01	.01
0222	1983	120	4	0	120.16667	85.82331	250.80576	2152520.	1561880.	-158.	-263.	307.	238.9	240.30	89.63	-.02	-.01
0223	1983	120	4	30	120.18750	85.82146	250.83718	2152348.	1561602.	-322.	-541.	630.	239.2	240.28	89.62	-.04	-.02

0224	1983	120	5	0	120.20833	85.82662	250.74015	2152901.	1562401.	239.	258.	352.	47.1	240.32	89.66	-.01	.03
0225	1983	120	5	30	120.22917	85.82363	250.78619	2152658.	1561965.	6.	-179.	179.	271.8	240.28	89.65	-.05	.02
0226	1983	120	6	0	120.25000	85.82476	250.77171	2152728.	1562122.	84.	-22.	86.	345.4	240.30	89.65	-.03	.02
0227	1983	120	6	30	120.27083	85.82275	250.81298	2152486.	1561801.	-136.	-343.	369.	248.3	240.29	89.63	-.05	.00
0228	1983	120	7	0	120.29167	85.82646	250.74996	2152832.	1562358.	232.	214.	316.	42.7	240.33	89.65	-.01	.03
0229	1983	120	7	30	120.31250	85.82646	250.74996	2152832.	1562358.	254.	214.	332.	40.1	240.33	89.65	-.02	.03
0230	1983	120	8	0	120.33333	85.82460	250.78150	2152659.	1562080.	103.	-64.	122.	328.0	240.31	89.64	-.05	.03
0231	1983	120	8	30	120.35417	85.82300	250.82531	2152382.	1561794.	-151.	-350.	381.	246.7	240.32	89.61	-.05	.00
0232	1983	120	9	0	120.37500	85.82268	250.84485	2152244.	1561709.	-267.	-435.	510.	238.5	240.34	89.59	-.03	-.02
0233	1983	120	9	30	120.39583	85.82252	250.85462	2152176.	1561666.	-298.	-473.	559.	237.8	240.35	89.58	-.03	-.02
0234	1983	120	10	0	120.41667	85.82696	250.77467	2152625.	1562345.	189.	210.	282.	48.0	240.39	89.61	-.00	.02
0235	1983	120	10	30	120.43750	85.82704	250.79684	2152452.	1562295.	54.	164.	173.	71.9	240.43	89.58	.03	-.00
0236	1983	120	11	0	120.45833	85.82865	250.75290	2152729.	1562581.	368.	455.	585.	51.0	240.42	89.61	.01	.03
0237	1983	120	11	30	120.47917	85.81834	250.94642	2151625.	1560984.	-699.	-1138.	1335.	238.4	240.34	89.53	-.08	-.04
0238	1983	120	12	0	120.50000	85.82333	250.85974	2152107.	1561738.	-179.	-379.	419.	244.7	240.39	89.56	-.04	-.00
0239	1983	120	12	30	120.52083	85.82591	250.81131	2152383.	1562138.	121.	26.	124.	12.2	240.41	89.58	-.03	.02
0240	1983	120	13	0	120.54167	85.82503	250.83810	2152210.	1561974.	-27.	-132.	135.	258.5	240.42	89.56	-.03	.01
0241	1983	120	13	30	120.56250	85.82157	250.91315	2151762.	1561411.	-451.	-689.	823.	236.8	240.41	89.52	-.04	-.03
0242	1983	120	14	0	120.58333	85.81746	250.97301	2151453.	1560821.	-736.	-1274.	1471.	240.0	240.35	89.51	-.11	-.04
0243	1983	120	14	30	120.60417	85.82390	250.85253	2152141.	1561817.	-23.	-272.	273.	265.2	240.40	89.56	-.06	.02
0244	1983	120	15	0	120.62500	85.82374	250.86230	2152072.	1561774.	-68.	-309.	316.	257.7	240.41	89.55	-.06	.01
0245	1983	120	15	30	120.64583	85.82528	250.85045	2152107.	1561967.	-21.	-121.	123.	260.2	240.45	89.54	-.03	.01
0246	1983	120	16	0	120.66667	85.82003	250.92493	2151728.	1561218.	-388.	-875.	957.	246.1	240.37	89.53	-.11	-.00
0247	1983	120	16	38	120.69318	85.81341	250.94739	2151796.	1560463.	-305.	-1636.	1664.	259.5	240.15	89.61	-.34	.08
0248	1983	120	16	40	120.69444	85.82439	250.87721	2151935.	1561803.	-165.	-297.	340.	240.9	240.46	89.52	-.03	-.01
0249	1983	120	16	50	120.70139	85.82657	250.82623	2152245.	1562167.	149.	65.	163.	23.6	240.46	89.55	-.03	.02
0250	1983	120	17	0	120.70833	85.82423	250.88698	2151866.	1561760.	-226.	-343.	411.	236.6	240.47	89.51	-.02	-.01
0251	1983	120	17	30	120.72917	85.82423	250.88698	2151866.	1561760.	-214.	-348.	409.	238.4	240.47	89.51	-.03	-.01
0252	1983	120	18	0	120.75000	85.82125	250.93264	2151625.	1561326.	-443.	-787.	904.	240.6	240.43	89.50	-.07	-.02
0253	1983	120	18	30	120.77083	85.82238	250.91830	2151694.	1561482.	-366.	-635.	733.	240.1	240.45	89.50	-.05	-.02
0254	1983	120	19	0	120.79167	85.82439	250.87721	2151935.	1561803.	-116.	-319.	339.	250.0	240.46	89.52	-.05	.00
0255	1983	120	19	30	120.81250	85.82496	250.87001	2151969.	1561881.	-72.	-244.	255.	253.5	240.47	89.52	-.04	.01
0256	1983	120	19	53	120.82881	85.82270	250.89879	2151831.	1561568.	-203.	-561.	597.	250.1	240.43	89.52	-.08	.01

#DE01M T=00004 IS ON CR DW USING 00693 BLKS R=0000

0001	DECCA POSNS AT 1 MIN INTVL (120-21:0:34 TO 122-0:20:0) 1560 RECS					
0002	NORTH LAT	EAST LONG	DEC GREEN	DEC RED	TIME-HMS	
0003	85 49 33.318	109 10 11.620	E-47.56-1	I- 0.45-1	F 21:00:34,	day 120, 1983
0004	85 50 19.874	109 24 51.037	E-47.66-1	I-00.55-1	F 21:00:35,	day 120, 1983
0005	85 50 24.540	109 26 19.755	E-47.67-1	I-00.56-1	F 21:02:00,	day 120, 1983
0006	85 50 28.636	109 27 12.867	E-47.67-1	I-00.58-1	F 21:03:00,	day 120, 1983
0007	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 21:04:00,	day 120, 1983
0008	85 50 .904	109 20 17.773	E-47.65-1	I-00.47-1	F 21:05:00,	day 120, 1983
0009	85 49 39.685	109 13 24.811	E-47.60-1	I-00.43-1	F 21:06:00,	day 120, 1983
0010	85 50 2.375	109 20 8.589	E-47.64-1	I-00.49-1	F 21:07:00,	day 120, 1983
0011	85 50 13.737	109 23 31.640	E-47.66-1	I-00.52-1	F 21:08:00,	day 120, 1983
0012	85 50 3.518	109 21 19.638	E-47.66-1	I-00.47-1	F 21:09:00,	day 120, 1983
0013	85 50 30.685	109 27 39.447	E-47.67-1	I-00.59-1	F 21:10:00,	day 120, 1983
0014	85 50 20.446	109 25 26.709	E-47.67-1	I-00.54-1	F 21:11:00,	day 120, 1983
0015	85 50 4.989	109 21 10.460	E-47.65-1	I-00.49-1	F 21:12:00,	day 120, 1983
0016	85 50 13.737	109 23 31.640	E-47.66-1	I-00.52-1	F 21:13:00,	day 120, 1983
0017	85 50 12.593	109 22 20.426	E-47.64-1	I-00.54-1	F 21:14:00,	day 120, 1983
0018	85 49 59.188	109 18 31.296	E-47.62-1	I-00.50-1	F 21:15:00,	day 120, 1983
0019	85 50 15.783	109 23 58.089	E-47.66-1	I-00.53-1	F 21:16:00,	day 120, 1983
0020	85 50 34.783	109 28 32.657	E-47.67-1	I-00.61-1	F 21:17:00,	day 120, 1983
0021	85 50 6.460	109 21 1.275	E-47.64-1	I-00.51-1	F 21:18:00,	day 120, 1983
0022	85 50 11.121	109 22 29.612	E-47.65-1	I-00.52-1	F 21:19:00,	day 120, 1983
0023	85 49 30.394	109 10 30.071	E-47.58-1	I-00.41-1	F 21:20:00,	day 120, 1983
0024	85 49 59.760	109 19 6.778	E-47.63-1	I-00.49-1	F 21:21:00,	day 120, 1983
0025	85 50 21.921	109 25 17.535	E-47.66-1	I-00.56-1	F 21:22:00,	day 120, 1983
0026	85 49 54.532	109 17 3.334	E-47.61-1	I-00.49-1	F 21:23:00,	day 120, 1983
0027	85 49 57.146	109 18 5.026	E-47.62-1	I-00.49-1	F 21:24:00,	day 120, 1983
0028	85 49 49.878	109 15 35.513	E-47.60-1	I-00.48-1	F 21:25:00,	day 120, 1983
0029	85 50 15.210	109 23 22.461	E-47.65-1	I-00.54-1	F 21:26:00,	day 120, 1983
0030	85 50 9.976	109 21 18.452	E-47.63-1	I-00.54-1	F 21:27:00,	day 120, 1983
0031	85 50 9.976	109 21 18.452	E-47.63-1	I-00.54-1	F 21:28:00,	day 120, 1983
0032	85 49 56.573	109 17 29.571	E-47.61-1	I-00.50-1	F 21:29:00,	day 120, 1983
0033	85 50 12.593	109 22 20.426	E-47.64-1	I-00.54-1	F 21:30:00,	day 120, 1983
0034	85 50 17.828	109 24 24.555	E-47.66-1	I-00.54-1	F 21:31:00,	day 120, 1983
0035	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 21:32:00,	day 120, 1983
0036	85 50 6.460	109 21 1.275	E-47.64-1	I-00.51-1	F 21:33:00,	day 120, 1983
0037	85 50 17.828	109 24 24.555	E-47.66-1	I-00.54-1	F 21:34:00,	day 120, 1983
0038	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 21:35:00,	day 120, 1983
0039	85 50 13.165	109 22 56.028	E-47.65-1	I-00.53-1	F 21:36:00,	day 120, 1983
0040	85 50 15.783	109 23 58.089	E-47.66-1	I-00.53-1	F 21:37:00,	day 120, 1983
0041	85 50 17.828	109 24 24.555	E-47.66-1	I-00.54-1	F 21:38:00,	day 120, 1983
0042	85 50 22.493	109 25 53.224	E-47.67-1	I-00.55-1	F 21:39:00,	day 120, 1983
0043	85 50 25.112	109 26 55.471	E-47.68-1	I-00.55-1	F 21:40:00,	day 120, 1983

0044	85 50	9.076	109 22	3.211	E-47.65-1	I-00.51-1	F 21:41:00,	day 120,	1983
0045	85 50	11.121	109 22	29.612	E-47.65-1	I-00.52-1	F 21:42:00,	day 120,	1983
0046	85 50	11.121	109 22	29.612	E-47.65-1	I-00.52-1	F 21:43:00,	day 120,	1983
0047	85 50	24.540	109 26	19.755	E-47.67-1	I-00.56-1	F 21:44:00,	day 120,	1983
0048	85 50	8.504	109 21	27.643	E-47.64-1	I-00.52-1	F 21:45:00,	day 120,	1983
0049	85 50	15.783	109 23	58.089	E-47.66-1	I-00.53-1	F 21:46:00,	day 120,	1983
0050	85 50	9.648	109 22	38.790	E-47.66-1	I-00.50-1	F 21:47:00,	day 120,	1983
0051	85 50	13.737	109 23	31.640	E-47.66-1	I-00.52-1	F 21:48:00,	day 120,	1983
0052	85 50	8.504	109 21	27.643	E-47.64-1	I-00.52-1	F 21:49:00,	day 120,	1983
0053	85 49	57.146	109 18	5.026	E-47.62-1	I-00.49-1	F 21:50:00,	day 120,	1983
0054	85 50	11.121	109 22	29.612	E-47.65-1	I-00.52-1	F 21:51:00,	day 120,	1983
0055	85 50	11.121	109 22	29.612	E-47.65-1	I-00.52-1	F 21:52:00,	day 120,	1983
0056	85 50	17.828	109 24	24.555	E-47.66-1	I-00.54-1	F 21:53:00,	day 120,	1983
0057	85 50	13.165	109 22	56.028	E-47.65-1	I-00.53-1	F 21:54:00,	day 120,	1983
0058	85 49	43.761	109 14	17.043	E-47.60-1	I-00.45-1	F 21:55:00,	day 120,	1983
0059	85 50	6.460	109 21	1.275	E-47.64-1	I-00.51-1	F 21:56:00,	day 120,	1983
0060	85 50	4.417	109 20	34.924	E-47.64-1	I-00.50-1	F 21:57:00,	day 120,	1983
0061	85 50	13.165	109 22	56.028	E-47.65-1	I-00.53-1	F 21:58:00,	day 120,	1983
0062	85 50	.332	109 19	42.270	E-47.64-1	I-00.48-1	F 21:59:00,	day 120,	1983
0063	85 50	2.375	109 20	8.589	E-47.64-1	I-00.49-1	F 22:00:00,	day 120,	1983
0064	85 50	17.828	109 24	24.555	E-47.66-1	I-00.54-1	F 22:01:00,	day 120,	1983
0065	85 49	57.146	109 18	5.026	E-47.62-1	I-00.49-1	F 22:02:00,	day 120,	1983
0066	85 50	13.165	109 22	56.028	E-47.65-1	I-00.53-1	F 22:03:00,	day 120,	1983
0067	85 50	10.548	109 21	54.026	E-47.64-1	I-00.53-1	F 22:04:00,	day 120,	1983
0068	85 50	2.375	109 20	8.589	E-47.64-1	I-00.49-1	F 22:05:00,	day 120,	1983
0069	85 50	6.460	109 21	1.275	E-47.64-1	I-00.51-1	F 22:06:00,	day 120,	1983
0070	85 49	57.146	109 18	5.026	E-47.62-1	I-00.49-1	F 22:07:00,	day 120,	1983
0071	85 50	10.548	109 21	54.026	E-47.64-1	I-00.53-1	F 22:08:00,	day 120,	1983
0072	85 50	15.783	109 23	58.089	E-47.66-1	I-00.53-1	F 22:09:00,	day 120,	1983
0073	85 50	13.165	109 22	56.028	E-47.65-1	I-00.53-1	F 22:10:00,	day 120,	1983
0074	85 50	11.121	109 22	29.612	E-47.65-1	I-00.52-1	F 22:11:00,	day 120,	1983
0075	85 50	5.888	109 20	25.734	E-47.63-1	I-00.52-1	F 22:12:00,	day 120,	1983
0076	85 50	12.593	109 22	20.426	E-47.64-1	I-00.54-1	F 22:13:00,	day 120,	1983
0077	85 50	8.504	109 21	27.643	E-47.64-1	I-00.52-1	F 22:14:00,	day 120,	1983
0078	85 50	9.976	109 21	18.452	E-47.63-1	I-00.54-1	F 22:15:00,	day 120,	1983
0079	85 50	19.874	109 24	51.037	E-47.66-1	I-00.55-1	F 22:16:00,	day 120,	1983
0080	85 50	7.932	109 20	52.085	E-47.63-1	I-00.53-1	F 22:17:00,	day 120,	1983
0081	85 50	3.272	109 19	23.884	E-47.62-1	I-00.52-1	F 22:18:00,	day 120,	1983
0082	85 50	5.888	109 20	25.734	E-47.63-1	I-00.52-1	F 22:19:00,	day 120,	1983
0083	85 50	12.020	109 21	44.835	E-47.63-1	I-00.55-1	F 22:20:00,	day 120,	1983
0084	85 50	12.593	109 22	20.426	E-47.64-1	I-00.54-1	F 22:21:00,	day 120,	1983
0085	85 50	3.272	109 19	23.884	E-47.62-1	I-00.52-1	F 22:22:00,	day 120,	1983
0086	85 50	14.638	109 22	46.843	E-47.64-1	I-00.55-1	F 22:23:00,	day 120,	1983
0087	85 49	56.573	109 17	29.571	E-47.61-1	I-00.50-1	F 22:24:00,	day 120,	1983
0088	85 49	54.532	109 17	3.334	E-47.61-1	I-00.49-1	F 22:25:00,	day 120,	1983

0089	85 49 56.573	109 17 29.571	E-47.61-1	I-00.50-1	F 22:26:00, day 120, 1983
0090	85 49 58.615	109 17 55.825	E-47.61-1	I-00.51-1	F 22:27:00, day 120, 1983
0091	85 49 59.188	109 18 31.296	E-47.62-1	I-00.50-1	F 22:28:00, day 120, 1983
0092	85 50 15.210	109 23 22.461	E-47.65-1	I-00.54-1	F 22:29:00, day 120, 1983
0093	85 50 1.230	109 18 57.582	E-47.62-1	I-00.51-1	F 22:30:00, day 120, 1983
0094	85 49 49.305	109 15 .127	E-47.59-1	I-00.49-1	F 22:31:00, day 120, 1983
0095	85 49 54.532	109 17 3.334	E-47.61-1	I-00.49-1	F 22:32:00, day 120, 1983
0096	85 49 49.878	109 15 35.513	E-47.60-1	I-00.48-1	F 22:33:00, day 120, 1983
0097	85 49 57.146	109 18 5.026	E-47.62-1	I-00.49-1	F 22:34:00, day 120, 1983
0098	85 49 54.532	109 17 3.334	E-47.61-1	I-00.49-1	F 22:35:00, day 120, 1983
0099	85 50 17.256	109 23 48.910	E-47.65-1	I-00.55-1	F 22:36:00, day 120, 1983
0100	85 50 1.230	109 18 57.582	E-47.62-1	I-00.51-1	F 22:37:00, day 120, 1983
0101	85 50 2.699	109 18 48.380	E-47.61-1	I-00.53-1	F 22:38:00, day 120, 1983
0102	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 22:39:00, day 120, 1983
0103	85 50 8.504	109 21 27.643	E-47.64-1	I-00.52-1	F 22:40:00, day 120, 1983
0104	85 50 5.315	109 19 50.202	E-47.62-1	I-00.53-1	F 22:41:00, day 120, 1983
0105	85 50 14.638	109 22 46.843	E-47.64-1	I-00.55-1	F 22:42:00, day 120, 1983
0106	85 50 12.593	109 22 20.426	E-47.64-1	I-00.54-1	F 22:43:00, day 120, 1983
0107	85 50 15.210	109 23 22.461	E-47.65-1	I-00.54-1	F 22:44:00, day 120, 1983
0108	85 50 17.828	109 24 24.555	E-47.66-1	I-00.54-1	F 22:45:00, day 120, 1983
0109	85 50 14.638	109 22 46.843	E-47.64-1	I-00.55-1	F 22:46:00, day 120, 1983
0110	85 50 12.593	109 22 20.426	E-47.64-1	I-00.54-1	F 22:47:00, day 120, 1983
0111	85 50 17.256	109 23 48.910	E-47.65-1	I-00.55-1	F 22:48:00, day 120, 1983
0112	85 50 7.932	109 20 52.085	E-47.63-1	I-00.53-1	F 22:49:00, day 120, 1983
0113	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 22:50:00, day 120, 1983
0114	85 50 5.888	109 20 25.734	E-47.63-1	I-00.52-1	F 22:51:00, day 120, 1983
0115	85 50 3.272	109 19 23.884	E-47.62-1	I-00.52-1	F 22:52:00, day 120, 1983
0116	85 50 1.230	109 18 57.582	E-47.62-1	I-00.51-1	F 22:53:00, day 120, 1983
0117	85 50 9.976	109 21 18.452	E-47.63-1	I-00.54-1	F 22:54:00, day 120, 1983
0118	85 50 7.359	109 20 16.537	E-47.62-1	I-00.54-1	F 22:55:00, day 120, 1983
0119	85 50 .657	109 18 22.094	E-47.61-1	I-00.52-1	F 22:56:00, day 120, 1983
0120	85 50 13.165	109 22 56.028	E-47.65-1	I-00.53-1	F 22:57:00, day 120, 1983
0121	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 22:58:00, day 120, 1983
0122	85 50 10.548	109 21 54.026	E-47.64-1	I-00.53-1	F 22:59:00, day 120, 1983
0123	85 50 15.210	109 23 22.461	E-47.65-1	I-00.54-1	F 23:00:00, day 120, 1983
0124	85 50 5.888	109 20 25.734	E-47.63-1	I-00.52-1	F 23:01:00, day 120, 1983
0125	85 49 59.188	109 18 31.296	E-47.62-1	I-00.50-1	F 23:02:00, day 120, 1983
0126	85 50 5.315	109 19 50.202	E-47.62-1	I-00.53-1	F 23:03:00, day 120, 1983
0127	85 50 7.932	109 20 52.085	E-47.63-1	I-00.53-1	F 23:04:00, day 120, 1983
0128	85 49 56.000	109 16 54.127	E-47.60-1	I-00.51-1	F 23:05:00, day 120, 1983
0129	85 49 50.451	109 16 10.908	E-47.61-1	I-00.47-1	F 23:06:00, day 120, 1983
0130	85 50 7.932	109 20 52.085	E-47.63-1	I-00.53-1	F 23:07:00, day 120, 1983
0131	85 50 1.230	109 18 57.582	E-47.62-1	I-00.51-1	F 23:08:00, day 120, 1983
0132	85 49 47.839	109 15 9.340	E-47.60-1	I-00.47-1	F 23:09:00, day 120, 1983
0133	85 50 .657	109 18 22.094	E-47.61-1	I-00.52-1	F 23:10:00, day 120, 1983

0134	85	49	44.653	109	13	32.489	E-47.58-1	I-00.48-1	F	23:11:00	day 120	1983
0135	85	49	57.146	109	18	5.026	E-47.62-1	I-00.49-1	F	23:12:00	day 120	1983
0136	85	50	5.315	109	19	50.202	E-47.62-1	I-00.53-1	F	23:13:00	day 120	1983
0137	85	49	58.615	109	17	55.825	E-47.61-1	I-00.51-1	F	23:14:00	day 120	1983
0138	85	49	58.615	109	17	55.825	E-47.61-1	I-00.51-1	F	23:15:00	day 120	1983
0139	85	50	7.359	109	20	16.537	E-47.62-1	I-00.54-1	F	23:16:00	day 120	1983
0140	85	50	9.976	109	21	18.452	E-47.63-1	I-00.54-1	F	23:17:00	day 120	1983
0141	85	50	7.359	109	20	16.537	E-47.62-1	I-00.54-1	F	23:18:00	day 120	1983
0142	85	50	9.976	109	21	18.452	E-47.63-1	I-00.54-1	F	23:19:00	day 120	1983
0143	85	50	12.020	109	21	44.835	E-47.63-1	I-00.55-1	F	23:20:00	day 120	1983
0144	85	49	56.000	109	16	54.127	E-47.60-1	I-00.51-1	F	23:21:00	day 120	1983
0145	85	50	5.315	109	19	50.202	E-47.62-1	I-00.53-1	F	23:22:00	day 120	1983
0146	85	49	53.385	109	15	52.488	E-47.59-1	I-00.51-1	F	23:23:00	day 120	1983
0147	85	50	2.699	109	18	48.380	E-47.61-1	I-00.53-1	F	23:24:00	day 120	1983
0148	85	50	9.976	109	21	18.452	E-47.63-1	I-00.54-1	F	23:25:00	day 120	1983
0149	85	50	7.359	109	20	16.537	E-47.62-1	I-00.54-1	F	23:26:00	day 120	1983
0150	85	49	52.237	109	14	41.683	E-47.57-1	I-00.53-1	F	23:27:00	day 120	1983
0151	85	49	57.467	109	16	44.913	E-47.59-1	I-00.53-1	F	23:28:00	day 120	1983
0152	85	50	9.403	109	20	42.887	E-47.62-1	I-00.55-1	F	23:29:00	day 120	1983
0153	85	50	2.699	109	18	48.380	E-47.61-1	I-00.53-1	F	23:30:00	day 120	1983
0154	85	50	2.699	109	18	48.380	E-47.61-1	I-00.53-1	F	23:31:00	day 120	1983
0155	85	50	7.359	109	20	16.537	E-47.62-1	I-00.54-1	F	23:32:00	day 120	1983
0156	85	50	.083	109	17	46.616	E-47.60-1	I-00.53-1	F	23:33:00	day 120	1983
0157	85	50	6.785	109	19	40.999	E-47.61-1	I-00.55-1	F	23:34:00	day 120	1983
0158	85	50	4.742	109	19	14.681	E-47.61-1	I-00.54-1	F	23:35:00	day 120	1983
0159	85	50	18.729	109	23	39.724	E-47.64-1	I-00.57-1	F	23:36:00	day 120	1983
0160	85	50	6.785	109	19	40.999	E-47.61-1	I-00.55-1	F	23:37:00	day 120	1983
0161	85	50	11.447	109	21	9.254	E-47.62-1	I-00.56-1	F	23:38:00	day 120	1983
0162	85	50	14.065	109	22	11.235	E-47.63-1	I-00.56-1	F	23:39:00	day 120	1983
0163	85	50	14.065	109	22	11.235	E-47.63-1	I-00.56-1	F	23:40:00	day 120	1983
0164	85	50	9.403	109	20	42.887	E-47.62-1	I-00.55-1	F	23:41:00	day 120	1983
0165	85	50	11.447	109	21	9.254	E-47.62-1	I-00.56-1	F	23:42:00	day 120	1983
0166	85	50	10.873	109	20	33.684	E-47.61-1	I-00.57-1	F	23:43:00	day 120	1983
0167	85	50	2.699	109	18	48.380	E-47.61-1	I-00.53-1	F	23:44:00	day 120	1983
0168	85	50	2.125	109	18	12.886	E-47.60-1	I-00.54-1	F	23:45:00	day 120	1983
0169	85	50	14.065	109	22	11.235	E-47.63-1	I-00.56-1	F	23:46:00	day 120	1983
0170	85	49	55.426	109	16	18.692	E-47.59-1	I-00.52-1	F	23:47:00	day 120	1983
0171	85	50	2.699	109	18	48.380	E-47.61-1	I-00.53-1	F	23:48:00	day 120	1983
0172	85	50	14.065	109	22	11.235	E-47.63-1	I-00.56-1	F	23:49:00	day 120	1983
0173	85	50	11.447	109	21	9.254	E-47.62-1	I-00.56-1	F	23:50:00	day 120	1983
0174	85	50	.083	109	17	46.616	E-47.60-1	I-00.53-1	F	23:51:00	day 120	1983
0175	85	50	6.211	109	19	5.472	E-47.60-1	I-00.56-1	F	23:52:00	day 120	1983
0176	85	50	13.492	109	21	35.637	E-47.62-1	I-00.57-1	F	23:53:00	day 120	1983
0177	85	49	57.467	109	16	44.913	E-47.59-1	I-00.53-1	F	23:54:00	day 120	1983
0178	85	50	4.168	109	18	39.171	E-47.60-1	I-00.55-1	F	23:55:00	day 120	1983

0179	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	23:56:00	day 120	1983
0180	85 50	6.211	109 19	5.472	E-47.60-1	I-00.56-1	F	23:57:00	day 120	1983
0181	85 50	2.125	109 18	12.886	E-47.60-1	I-00.54-1	F	23:58:00	day 120	1983
0182	85 50	17.583	109 22	28.452	E-47.62-1	I-00.59-1	F	23:59:00	day 120	1983
0183	85 50	.977	109 17	1.928	E-47.58-1	I-00.56-1	F	0:00:00	day 121	1983
0184	85 50	6.211	109 19	5.472	E-47.60-1	I-00.56-1	F	0:01:00	day 121	1983
0185	85 50	4.168	109 18	39.171	E-47.60-1	I-00.55-1	F	0:02:00	day 121	1983
0186	85 49	56.893	109 16	9.472	E-47.58-1	I-00.54-1	F	0:03:00	day 121	1983
0187	85 50	26.918	109 25	25.682	E-47.64-1	I-00.61-1	F	0:04:00	day 121	1983
0188	85 50	17.583	109 22	28.452	E-47.62-1	I-00.59-1	F	0:05:00	day 121	1983
0189	85 50	6.211	109 19	5.472	E-47.60-1	I-00.56-1	F	0:06:00	day 121	1983
0190	85 50	12.918	109 21	.050	E-47.61-1	I-00.58-1	F	0:07:00	day 121	1983
0191	85 50	20.203	109 23	30.531	E-47.63-1	I-00.59-1	F	0:08:00	day 121	1983
0192	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:09:00	day 121	1983
0193	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:10:00	day 121	1983
0194	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	0:11:00	day 121	1983
0195	85 50	15.537	109 22	2.037	E-47.62-1	I-00.58-1	F	0:12:00	day 121	1983
0196	85 50	6.211	109 19	5.472	E-47.60-1	I-00.56-1	F	0:13:00	day 121	1983
0197	85 50	22.249	109 23	56.996	E-47.63-1	I-00.60-1	F	0:14:00	day 121	1983
0198	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	0:15:00	day 121	1983
0199	85 50	4.168	109 18	39.171	E-47.60-1	I-00.55-1	F	0:16:00	day 121	1983
0200	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:17:00	day 121	1983
0201	85 50	6.785	109 19	40.999	E-47.61-1	I-00.55-1	F	0:18:00	day 121	1983
0202	85 50	20.203	109 23	30.531	E-47.63-1	I-00.59-1	F	0:19:00	day 121	1983
0203	85 50	4.168	109 18	39.171	E-47.60-1	I-00.55-1	F	0:20:00	day 121	1983
0204	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	0:21:00	day 121	1983
0205	85 50	4.168	109 18	39.171	E-47.60-1	I-00.55-1	F	0:22:00	day 121	1983
0206	85 50	4.168	109 18	39.171	E-47.60-1	I-00.55-1	F	0:23:00	day 121	1983
0207	85 50	24.297	109 24	23.477	E-47.63-1	I-00.61-1	F	0:24:00	day 121	1983
0208	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	0:25:00	day 121	1983
0209	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:26:00	day 121	1983
0210	85 50	13.492	109 21	35.637	E-47.62-1	I-00.57-1	F	0:27:00	day 121	1983
0211	85 50	18.156	109 23	4.083	E-47.63-1	I-00.58-1	F	0:28:00	day 121	1983
0212	85 50	15.537	109 22	2.037	E-47.62-1	I-00.58-1	F	0:29:00	day 121	1983
0213	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:30:00	day 121	1983
0214	85 50	3.594	109 18	3.671	E-47.59-1	I-00.56-1	F	0:31:00	day 121	1983
0215	85 50	10.873	109 20	33.684	E-47.61-1	I-00.57-1	F	0:32:00	day 121	1983
0216	85 50	12.918	109 21	.050	E-47.61-1	I-00.58-1	F	0:33:00	day 121	1983
0217	85 50	6.211	109 19	5.472	E-47.60-1	I-00.56-1	F	0:34:00	day 121	1983
0218	85 50	15.537	109 22	2.037	E-47.62-1	I-00.58-1	F	0:35:00	day 121	1983
0219	85 50	12.918	109 21	.050	E-47.61-1	I-00.58-1	F	0:36:00	day 121	1983
0220	85 50	8.829	109 20	7.334	E-47.61-1	I-00.56-1	F	0:37:00	day 121	1983
0221	85 50	3.594	109 18	3.671	E-47.59-1	I-00.56-1	F	0:38:00	day 121	1983
0222	85 50	10.299	109 19	58.124	E-47.60-1	I-00.58-1	F	0:39:00	day 121	1983
0223	85 50	14.963	109 21	26.433	E-47.61-1	I-00.59-1	F	0:40:00	day 121	1983

0224	85	50	8.829	109	20	7.334	E-47.61-1	I-00.56-1	F	0:41:00	, day 121, 1983
0225	85	50	5.637	109	18	29.956	E-47.59-1	I-00.57-1	F	0:42:00	, day 121, 1983
0226	85	50	13.492	109	21	35.637	E-47.62-1	I-00.57-1	F	0:43:00	, day 121, 1983
0227	85	50	22.249	109	23	56.996	E-47.63-1	I-00.60-1	F	0:44:00	, day 121, 1983
0228	85	50	19.629	109	22	54.884	E-47.62-1	I-00.60-1	F	0:45:00	, day 121, 1983
0229	85	50	19.629	109	22	54.884	E-47.62-1	I-00.60-1	F	0:46:00	, day 121, 1983
0230	85	50	12.918	109	21	.050	E-47.61-1	I-00.58-1	F	0:47:00	, day 121, 1983
0231	85	50	17.583	109	22	28.452	E-47.62-1	I-00.59-1	F	0:48:00	, day 121, 1983
0232	85	50	33.064	109	26	45.323	E-47.64-1	I-00.64-1	F	0:49:00	, day 121, 1983
0233	85	50	23.723	109	23	47.797	E-47.62-1	I-00.62-1	F	0:50:00	, day 121, 1983
0234	85	50	21.676	109	23	21.333	E-47.62-1	I-00.61-1	F	0:51:00	, day 121, 1983
0235	85	50	26.344	109	24	49.975	E-47.63-1	I-00.62-1	F	0:52:00	, day 121, 1983
0236	85	50	19.629	109	22	54.884	E-47.62-1	I-00.60-1	F	0:53:00	, day 121, 1983
0237	85	50	19.629	109	22	54.884	E-47.62-1	I-00.60-1	F	0:54:00	, day 121, 1983
0238	85	50	14.963	109	21	26.433	E-47.61-1	I-00.59-1	F	0:55:00	, day 121, 1983
0239	85	50	15.537	109	22	2.037	E-47.62-1	I-00.58-1	F	0:56:00	, day 121, 1983
0240	85	50	22.249	109	23	56.996	E-47.63-1	I-00.60-1	F	0:57:00	, day 121, 1983
0241	85	50	20.203	109	23	30.531	E-47.63-1	I-00.59-1	F	0:58:00	, day 121, 1983
0242	85	50	14.963	109	21	26.433	E-47.61-1	I-00.59-1	F	0:59:00	, day 121, 1983
0243	85	50	17.583	109	22	28.452	E-47.62-1	I-00.59-1	F	1:00:00	, day 121, 1983
0244	85	50	22.249	109	23	56.996	E-47.63-1	I-00.60-1	F	1:01:00	, day 121, 1983
0245	85	50	28.966	109	25	52.213	E-47.64-1	I-00.62-1	F	1:02:00	, day 121, 1983
0246	85	50	19.055	109	22	19.248	E-47.61-1	I-00.61-1	F	1:03:00	, day 121, 1983
0247	85	50	26.918	109	25	25.682	E-47.64-1	I-00.61-1	F	1:04:00	, day 121, 1983
0248	85	50	31.015	109	26	18.760	E-47.64-1	I-00.63-1	F	1:05:00	, day 121, 1983
0249	85	50	18.156	109	23	4.083	E-47.63-1	I-00.58-1	F	1:06:00	, day 121, 1983
0250	85	50	17.583	109	22	28.452	E-47.62-1	I-00.59-1	F	1:07:00	, day 121, 1983
0251	85	50	24.870	109	24	59.168	E-47.64-1	I-00.60-1	F	1:08:00	, day 121, 1983
0252	85	50	15.537	109	22	2.037	E-47.62-1	I-00.58-1	F	1:09:00	, day 121, 1983
0253	85	50	10.873	109	20	33.684	E-47.61-1	I-00.57-1	F	1:10:00	, day 121, 1983
0254	85	50	8.255	109	19	31.790	E-47.60-1	I-00.57-1	F	1:11:00	, day 121, 1983
0255	85	50	12.918	109	21	.050	E-47.61-1	I-00.58-1	F	1:12:00	, day 121, 1983
0256	85	50	15.537	109	22	2.037	E-47.62-1	I-00.58-1	F	1:13:00	, day 121, 1983
0257	85	50	6.211	109	19	5.472	E-47.60-1	I-00.56-1	F	1:14:00	, day 121, 1983
0258	85	50	17.583	109	22	28.452	E-47.62-1	I-00.59-1	F	1:15:00	, day 121, 1983
0259	85	50	22.249	109	23	56.996	E-47.63-1	I-00.60-1	F	1:16:00	, day 121, 1983
0260	85	50	14.963	109	21	26.433	E-47.61-1	I-00.59-1	F	1:17:00	, day 121, 1983
0261	85	50	6.211	109	19	5.472	E-47.60-1	I-00.56-1	F	1:18:00	, day 121, 1983
0262	85	50	17.009	109	21	52.832	E-47.61-1	I-00.60-1	F	1:19:00	, day 121, 1983
0263	85	50	33.638	109	27	21.090	E-47.65-1	I-00.63-1	F	1:20:00	, day 121, 1983
0264	85	50	12.918	109	21	.050	E-47.61-1	I-00.58-1	F	1:21:00	, day 121, 1983
0265	85	50	26.918	109	25	25.682	E-47.64-1	I-00.61-1	F	1:22:00	, day 121, 1983
0266	85	50	26.918	109	25	25.682	E-47.64-1	I-00.61-1	F	1:23:00	, day 121, 1983
0267	85	50	36.261	109	28	23.482	E-47.66-1	I-00.63-1	F	1:24:00	, day 121, 1983
0268	85	50	31.015	109	26	18.760	E-47.64-1	I-00.63-1	F	1:25:00	, day 121, 1983

0269	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:26:00, day 121, 1983
0270	85 50 42.986	109 30 19.275	E-47.67-1	I-00.65-1	F	1:27:00, day 121, 1983
0271	85 50 26.918	109 25 25.682	E-47.64-1	I-00.61-1	F	1:28:00, day 121, 1983
0272	85 50 26.918	109 25 25.682	E-47.64-1	I-00.61-1	F	1:29:00, day 121, 1983
0273	85 50 24.870	109 24 59.168	E-47.64-1	I-00.60-1	F	1:30:00, day 121, 1983
0274	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:31:00, day 121, 1983
0275	85 50 24.297	109 24 23.477	E-47.63-1	I-00.61-1	F	1:32:00, day 121, 1983
0276	85 50 22.249	109 23 56.996	E-47.63-1	I-00.60-1	F	1:33:00, day 121, 1983
0277	85 50 31.588	109 26 54.511	E-47.65-1	I-00.62-1	F	1:34:00, day 121, 1983
0278	85 50 24.297	109 24 23.477	E-47.63-1	I-00.61-1	F	1:35:00, day 121, 1983
0279	85 50 17.009	109 21 52.832	E-47.61-1	I-00.60-1	F	1:36:00, day 121, 1983
0280	85 50 27.491	109 26 1.400	E-47.65-1	I-00.60-1	F	1:37:00, day 121, 1983
0281	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:38:00, day 121, 1983
0282	85 50 33.638	109 27 21.090	E-47.65-1	I-00.63-1	F	1:39:00, day 121, 1983
0283	85 50 33.064	109 26 45.323	E-47.64-1	I-00.64-1	F	1:40:00, day 121, 1983
0284	85 50 31.588	109 26 54.511	E-47.65-1	I-00.62-1	F	1:41:00, day 121, 1983
0285	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:42:00, day 121, 1983
0286	85 50 28.966	109 25 52.213	E-47.64-1	I-00.62-1	F	1:43:00, day 121, 1983
0287	85 50 24.297	109 24 23.477	E-47.63-1	I-00.61-1	F	1:44:00, day 121, 1983
0288	85 50 21.676	109 23 21.333	E-47.62-1	I-00.61-1	F	1:45:00, day 121, 1983
0289	85 50 28.966	109 25 52.213	E-47.64-1	I-00.62-1	F	1:46:00, day 121, 1983
0290	85 50 29.540	109 26 27.947	E-47.65-1	I-00.61-1	F	1:47:00, day 121, 1983
0291	85 50 30.441	109 25 43.019	E-47.63-1	I-00.64-1	F	1:48:00, day 121, 1983
0292	85 50 22.249	109 23 56.996	E-47.63-1	I-00.60-1	F	1:49:00, day 121, 1983
0293	85 50 47.090	109 31 12.683	E-47.67-1	I-00.67-1	F	1:50:00, day 121, 1983
0294	85 50 33.638	109 27 21.090	E-47.65-1	I-00.63-1	F	1:51:00, day 121, 1983
0295	85 50 28.393	109 25 16.489	E-47.63-1	I-00.63-1	F	1:52:00, day 121, 1983
0296	85 50 24.297	109 24 23.477	E-47.63-1	I-00.61-1	F	1:53:00, day 121, 1983
0297	85 50 19.629	109 22 54.884	E-47.62-1	I-00.60-1	F	1:54:00, day 121, 1983
0298	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:55:00, day 121, 1983
0299	85 50 38.311	109 28 50.111	E-47.66-1	I-00.64-1	F	1:56:00, day 121, 1983
0300	85 50 36.261	109 28 23.482	E-47.66-1	I-00.63-1	F	1:57:00, day 121, 1983
0301	85 50 31.015	109 26 18.760	E-47.64-1	I-00.63-1	F	1:58:00, day 121, 1983
0302	85 50 27.491	109 26 1.400	E-47.65-1	I-00.60-1	F	1:59:00, day 121, 1983
0303	85 50 28.966	109 25 52.213	E-47.64-1	I-00.62-1	F	2:00:00, day 121, 1983
0304	85 50 40.362	109 29 16.757	E-47.66-1	I-00.65-1	F	2:01:00, day 121, 1983
0305	85 50 24.297	109 24 23.477	E-47.63-1	I-00.61-1	F	2:02:00, day 121, 1983
0306	85 50 35.687	109 27 47.687	E-47.65-1	I-00.64-1	F	2:03:00, day 121, 1983
0307	85 50 8.255	109 19 31.790	E-47.60-1	I-00.57-1	F	2:04:00, day 121, 1983
0308	85 50 40.362	109 29 16.757	E-47.66-1	I-00.65-1	F	2:05:00, day 121, 1983
0309	85 50 22.249	109 23 56.996	E-47.63-1	I-00.60-1	F	2:06:00, day 121, 1983
0310	85 50 23.723	109 23 47.797	E-47.62-1	I-00.62-1	F	2:07:00, day 121, 1983
0311	85 50 19.055	109 22 19.248	E-47.61-1	I-00.61-1	F	2:08:00, day 121, 1983
0312	85 50 33.638	109 27 21.090	E-47.65-1	I-00.63-1	F	2:09:00, day 121, 1983
0313	85 50 12.344	109 20 24.474	E-47.60-1	I-00.59-1	F	2:10:00, day 121, 1983

0314	85 50	21.676	109 23	21.333	E-47.62-1	I-00.61-1	F	2:11:00,	day 121,	1983
0315	85 50	36.833	109 28	59.287	E-47.67-1	I-00.62-1	F	2:12:00,	day 121,	1983
0316	85 50	10.299	109 19	58.124	E-47.60-1	I-00.58-1	F	2:13:00,	day 121,	1983
0317	85 50	29.540	109 26	27.947	E-47.65-1	I-00.61-1	F	2:14:00,	day 121,	1983
0318	85 50	40.362	109 29	16.757	E-47.66-1	I-00.65-1	F	2:15:00,	day 121,	1983
0319	85 50	17.009	109 21	52.832	E-47.61-1	I-00.60-1	F	2:16:00,	day 121,	1983
0320	85 50	33.638	109 27	21.090	E-47.65-1	I-00.63-1	F	2:17:00,	day 121,	1983
0321	85 50	26.344	109 24	49.975	E-47.63-1	I-00.62-1	F	2:18:00,	day 121,	1983
0322	85 50	17.583	109 22	28.452	E-47.62-1	I-00.59-1	F	2:19:00,	day 121,	1983
0323	85 50	29.615	109 23	10.937	E-47.58-1	I-00.70-1	F	2:20:00,	day 121,	1983
0324	85 50	26.344	109 24	49.975	E-47.63-1	I-00.62-1	F	2:21:00,	day 121,	1983
0325	85 50	28.393	109 25	16.489	E-47.63-1	I-00.63-1	F	2:22:00,	day 121,	1983
0326	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	2:23:00,	day 121,	1983
0327	85 50	40.935	109 29	52.596	E-47.67-1	I-00.64-1	F	2:24:00,	day 121,	1983
0328	85 50	35.114	109 27	11.902	E-47.64-1	I-00.65-1	F	2:25:00,	day 121,	1983
0329	85 50	33.064	109 26	45.323	E-47.64-1	I-00.64-1	F	2:26:00,	day 121,	1983
0330	85 50	33.064	109 26	45.323	E-47.64-1	I-00.64-1	F	2:27:00,	day 121,	1983
0331	85 50	26.344	109 24	49.975	E-47.63-1	I-00.62-1	F	2:28:00,	day 121,	1983
0332	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	2:29:00,	day 121,	1983
0333	85 50	30.441	109 25	43.019	E-47.63-1	I-00.64-1	F	2:30:00,	day 121,	1983
0334	85 50	24.297	109 24	23.477	E-47.63-1	I-00.61-1	F	2:31:00,	day 121,	1983
0335	85 50	28.393	109 25	16.489	E-47.63-1	I-00.63-1	F	2:32:00,	day 121,	1983
0336	85 50	37.164	109 27	38.499	E-47.64-1	I-00.66-1	F	2:33:00,	day 121,	1983
0337	85 50	33.064	109 26	45.323	E-47.64-1	I-00.64-1	F	2:34:00,	day 121,	1983
0338	85 50	21.676	109 23	21.333	E-47.62-1	I-00.61-1	F	2:35:00,	day 121,	1983
0339	85 50	24.297	109 24	23.477	E-47.63-1	I-00.61-1	F	2:36:00,	day 121,	1983
0340	85 50	28.966	109 25	52.213	E-47.64-1	I-00.62-1	F	2:37:00,	day 121,	1983
0341	85 50	25.770	109 24	14.278	E-47.62-1	I-00.63-1	F	2:38:00,	day 121,	1983
0342	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	2:39:00,	day 121,	1983
0343	85 50	21.102	109 22	45.680	E-47.61-1	I-00.62-1	F	2:40:00,	day 121,	1983
0344	85 50	25.770	109 24	14.278	E-47.62-1	I-00.63-1	F	2:41:00,	day 121,	1983
0345	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	2:42:00,	day 121,	1983
0346	85 50	37.738	109 28	14.300	E-47.65-1	I-00.65-1	F	2:43:00,	day 121,	1983
0347	85 50	9.725	109 19	22.574	E-47.59-1	I-00.59-1	F	2:44:00,	day 121,	1983
0348	85 50	7.106	109 18	20.734	E-47.58-1	I-00.59-1	F	2:45:00,	day 121,	1983
0349	85 50	11.769	109 19	48.908	E-47.59-1	I-00.60-1	F	2:46:00,	day 121,	1983
0350	85 50	7.681	109 18	56.257	E-47.59-1	I-00.58-1	F	2:47:00,	day 121,	1983
0351	85 50	5.062	109 17	54.449	E-47.58-1	I-00.58-1	F	2:48:00,	day 121,	1983
0352	85 50	19.055	109 22	19.248	E-47.61-1	I-00.61-1	F	2:49:00,	day 121,	1983
0353	85 50	27.819	109 24	40.775	E-47.62-1	I-00.64-1	F	2:50:00,	day 121,	1983
0354	85 50	10.299	109 19	58.124	E-47.60-1	I-00.58-1	F	2:51:00,	day 121,	1983
0355	85 50	5.062	109 17	54.449	E-47.58-1	I-00.58-1	F	2:52:00,	day 121,	1983
0356	85 50	5.062	109 17	54.449	E-47.58-1	I-00.58-1	F	2:53:00,	day 121,	1983
0357	85 50	.402	109 16	26.465	E-47.57-1	I-00.57-1	F	2:54:00,	day 121,	1983
0358	85 49	58.360	109 16	.246	E-47.57-1	I-00.56-1	F	2:55:00,	day 121,	1983

0359	85 50	19.055	109 22	19.248	E-47.61-1	I-00.61-1	F	2:56:00	day 121, 1983
0360	85 50	14.389	109 20	50.840	E-47.60-1	I-00.60-1	F	2:57:00	day 121, 1983
0361	85 50	12.344	109 20	24.474	E-47.60-1	I-00.59-1	F	2:58:00	day 121, 1983
0362	85 50	11.769	109 19	48.908	E-47.59-1	I-00.60-1	F	2:59:00	day 121, 1983
0363	85 49	57.785	109 15	24.809	E-47.56-1	I-00.57-1	F	3:00:00	day 121, 1983
0364	85 50	2.444	109 16	52.701	E-47.57-1	I-00.58-1	F	3:01:00	day 121, 1983
0365	85 49	53.703	109 14	32.451	E-47.56-1	I-00.55-1	F	3:02:00	day 121, 1983
0366	85 50	2.444	109 16	52.701	E-47.57-1	I-00.58-1	F	3:03:00	day 121, 1983
0367	85 49	55.743	109 14	58.622	E-47.56-1	I-00.56-1	F	3:04:00	day 121, 1983
0368	85 49	53.127	109 13	57.058	E-47.55-1	I-00.56-1	F	3:05:00	day 121, 1983
0369	85 49	53.127	109 13	57.058	E-47.55-1	I-00.56-1	F	3:06:00	day 121, 1983
0370	85 49	58.360	109 16	.246	E-47.57-1	I-00.56-1	F	3:07:00	day 121, 1983
0371	85 49	55.743	109 14	58.622	E-47.56-1	I-00.56-1	F	3:08:00	day 121, 1983
0372	85 49	57.785	109 15	24.809	E-47.56-1	I-00.57-1	F	3:09:00	day 121, 1983
0373	85 50	.402	109 16	26.465	E-47.57-1	I-00.57-1	F	3:10:00	day 121, 1983
0374	85 49	59.827	109 15	51.013	E-47.56-1	I-00.58-1	F	3:11:00	day 121, 1983
0375	85 50	14.389	109 20	50.840	E-47.60-1	I-00.60-1	F	3:12:00	day 121, 1983
0376	85 50	11.769	109 19	48.908	E-47.59-1	I-00.60-1	F	3:13:00	day 121, 1983
0377	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	3:14:00	day 121, 1983
0378	85 50	20.527	109 22	10.037	E-47.60-1	I-00.63-1	F	3:15:00	day 121, 1983
0379	85 50	9.150	109 18	47.035	E-47.58-1	I-00.60-1	F	3:16:00	day 121, 1983
0380	85 50	32.490	109 26	9.566	E-47.63-1	I-00.65-1	F	3:17:00	day 121, 1983
0381	85 50	3.019	109 17	28.181	E-47.58-1	I-00.57-1	F	3:18:00	day 121, 1983
0382	85 50	14.389	109 20	50.840	E-47.60-1	I-00.60-1	F	3:19:00	day 121, 1983
0383	85 50	26.918	109 25	25.682	E-47.64-1	I-00.61-1	F	3:20:00	day 121, 1983
0384	85 50	21.102	109 22	45.680	E-47.61-1	I-00.62-1	F	3:21:00	day 121, 1983
0385	85 50	19.055	109 22	19.248	E-47.61-1	I-00.61-1	F	3:22:00	day 121, 1983
0386	85 50	21.102	109 22	45.680	E-47.61-1	I-00.62-1	F	3:23:00	day 121, 1983
0387	85 50	25.770	109 24	14.278	E-47.62-1	I-00.63-1	F	3:24:00	day 121, 1983
0388	85 50	42.413	109 29	43.419	E-47.66-1	I-00.66-1	F	3:25:00	day 121, 1983
0389	85 50	22.249	109 23	56.996	E-47.63-1	I-00.60-1	F	3:26:00	day 121, 1983
0390	85 50	25.196	109 23	38.592	E-47.61-1	I-00.64-1	F	3:27:00	day 121, 1983
0391	85 50	30.441	109 25	43.019	E-47.63-1	I-00.64-1	F	3:28:00	day 121, 1983
0392	85 50	28.966	109 25	52.213	E-47.64-1	I-00.62-1	F	3:29:00	day 121, 1983
0393	85 50	26.344	109 24	49.975	E-47.63-1	I-00.62-1	F	3:30:00	day 121, 1983
0394	85 50	28.393	109 25	16.489	E-47.63-1	I-00.63-1	F	3:31:00	day 121, 1983
0395	85 50	39.788	109 28	40.929	E-47.65-1	I-00.66-1	F	3:32:00	day 121, 1983
0396	85 50	25.770	109 24	14.278	E-47.62-1	I-00.63-1	F	3:33:00	day 121, 1983
0397	85 50	21.676	109 23	21.333	E-47.62-1	I-00.61-1	F	3:34:00	day 121, 1983
0398	85 50	35.114	109 27	11.902	E-47.64-1	I-00.65-1	F	3:35:00	day 121, 1983
0399	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	3:36:00	day 121, 1983
0400	85 50	19.055	109 22	19.248	E-47.61-1	I-00.61-1	F	3:37:00	day 121, 1983
0401	85 50	35.114	109 27	11.902	E-47.64-1	I-00.65-1	F	3:38:00	day 121, 1983
0402	85 50	23.723	109 23	47.797	E-47.62-1	I-00.62-1	F	3:39:00	day 121, 1983
0403	85 50	29.867	109 25	7.289	E-47.62-1	I-00.65-1	F	3:40:00	day 121, 1983

0404	85 50	9.725	109 19	22.574	E-47.59-1	I-00.59-1	F	3:41:00	, day 121, 1983
0405	85 50	13.814	109 20	15.258	E-47.59-1	I-00.61-1	F	3:42:00	, day 121, 1983
0406	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	3:43:00	, day 121, 1983
0407	85 50	25.196	109 23	38.592	E-47.61-1	I-00.64-1	F	3:44:00	, day 121, 1983
0408	85 50	27.819	109 24	40.775	E-47.62-1	I-00.64-1	F	3:45:00	, day 121, 1983
0409	85 50	11.194	109 19	13.352	E-47.58-1	I-00.61-1	F	3:46:00	, day 121, 1983
0410	85 50	9.725	109 19	22.574	E-47.59-1	I-00.59-1	F	3:47:00	, day 121, 1983
0411	85 50	29.867	109 25	7.289	E-47.62-1	I-00.65-1	F	3:48:00	, day 121, 1983
0412	85 50	32.490	109 26	9.566	E-47.63-1	I-00.65-1	F	3:49:00	, day 121, 1983
0413	85 50	11.194	109 19	13.352	E-47.58-1	I-00.61-1	F	3:50:00	, day 121, 1983
0414	85 50	23.149	109 23	12.127	E-47.61-1	I-00.63-1	F	3:51:00	, day 121, 1983
0415	85 50	13.814	109 20	15.258	E-47.59-1	I-00.61-1	F	3:52:00	, day 121, 1983
0416	85 50	15.860	109 20	41.624	E-47.59-1	I-00.62-1	F	3:53:00	, day 121, 1983
0417	85 50	27.244	109 24	5.072	E-47.61-1	I-00.65-1	F	3:54:00	, day 121, 1983
0418	85 50	27.819	109 24	40.775	E-47.62-1	I-00.64-1	F	3:55:00	, day 121, 1983
0419	85 50	11.194	109 19	13.352	E-47.58-1	I-00.61-1	F	3:56:00	, day 121, 1983
0420	85 50	19.629	109 22	54.884	E-47.62-1	I-00.60-1	F	3:57:00	, day 121, 1983
0421	85 50	19.055	109 22	19.248	E-47.61-1	I-00.61-1	F	3:58:00	, day 121, 1983
0422	85 50	17.009	109 21	52.832	E-47.61-1	I-00.60-1	F	3:59:00	, day 121, 1983
0423	85 50	14.389	109 20	50.840	E-47.60-1	I-00.60-1	F	4:00:00	, day 121, 1983
0424	85 50	6.531	109 17	45.222	E-47.57-1	I-00.60-1	F	4:01:00	, day 121, 1983
0425	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	4:02:00	, day 121, 1983
0426	85 50	16.434	109 21	17.223	E-47.60-1	I-00.61-1	F	4:03:00	, day 121, 1983
0427	85 50	17.330	109 20	32.401	E-47.58-1	I-00.64-1	F	4:04:00	, day 121, 1983
0428	85 50	13.239	109 19	39.685	E-47.58-1	I-00.62-1	F	4:05:00	, day 121, 1983
0429	85 50	15.860	109 20	41.624	E-47.59-1	I-00.62-1	F	4:06:00	, day 121, 1983
0430	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	4:07:00	, day 121, 1983
0431	85 50	15.284	109 20	6.035	E-47.58-1	I-00.63-1	F	4:08:00	, day 121, 1983
0432	85 50	13.239	109 19	39.685	E-47.58-1	I-00.62-1	F	4:09:00	, day 121, 1983
0433	85 49	53.127	109 13	57.058	E-47.55-1	I-00.56-1	F	4:10:00	, day 121, 1983
0434	85 49	59.827	109 15	51.013	E-47.56-1	I-00.58-1	F	4:11:00	, day 121, 1983
0435	85 49	59.827	109 15	51.013	E-47.56-1	I-00.58-1	F	4:12:00	, day 121, 1983
0436	85 50	9.150	109 18	47.035	E-47.58-1	I-00.60-1	F	4:13:00	, day 121, 1983
0437	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	4:14:00	, day 121, 1983
0438	85 50	11.769	109 19	48.908	E-47.59-1	I-00.60-1	F	4:15:00	, day 121, 1983
0439	85 50	34.540	109 26	36.129	E-47.63-1	I-00.66-1	F	4:16:00	, day 121, 1983
0440	85 50	9.725	109 19	22.574	E-47.59-1	I-00.59-1	F	4:17:00	, day 121, 1983
0441	85 50	29.867	109 25	7.289	E-47.62-1	I-00.65-1	F	4:18:00	, day 121, 1983
0442	85 50	20.527	109 22	10.037	E-47.60-1	I-00.63-1	F	4:19:00	, day 121, 1983
0443	85 49	53.127	109 13	57.058	E-47.55-1	I-00.56-1	F	4:20:00	, day 121, 1983
0444	85 50	13.239	109 19	39.685	E-47.58-1	I-00.62-1	F	4:21:00	, day 121, 1983
0445	85 50	26.669	109 23	29.380	E-47.60-1	I-00.66-1	F	4:22:00	, day 121, 1983
0446	85 50	18.480	109 21	43.622	E-47.60-1	I-00.62-1	F	4:23:00	, day 121, 1983
0447	85 50	23.149	109 23	12.127	E-47.61-1	I-00.63-1	F	4:24:00	, day 121, 1983
0448	85 50	15.860	109 20	41.624	E-47.59-1	I-00.62-1	F	4:25:00	, day 121, 1983

0449	85	50	24.621	109	23	2.916	E-47.60-1	I-00.65-1	F	4:26:00	day	121	1983
0450	85	50	22.574	109	22	36.468	E-47.60-1	I-00.64-1	F	4:27:00	day	121	1983
0451	85	50	9.725	109	19	22.574	E-47.59-1	I-00.59-1	F	4:28:00	day	121	1983
0452	85	50	22.574	109	22	36.468	E-47.60-1	I-00.64-1	F	4:29:00	day	121	1983
0453	85	50	17.906	109	21	8.006	E-47.59-1	I-00.63-1	F	4:30:00	day	121	1983
0454	85	50	48.570	109	31	3.506	E-47.66-1	I-00.69-1	F	4:31:00	day	121	1983
0455	85	50	13.814	109	20	15.258	E-47.59-1	I-00.61-1	F	4:32:00	day	121	1983
0456	85	50	4.487	109	17	18.953	E-47.57-1	I-00.59-1	F	4:33:00	day	121	1983
0457	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	4:34:00	day	121	1983
0458	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	4:35:00	day	121	1983
0459	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	4:36:00	day	121	1983
0460	85	50	32.490	109	26	9.566	E-47.63-1	I-00.65-1	F	4:37:00	day	121	1983
0461	85	50	18.480	109	21	43.622	E-47.60-1	I-00.62-1	F	4:38:00	day	121	1983
0462	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	4:39:00	day	121	1983
0463	85	50	33.965	109	26	.365	E-47.62-1	I-00.67-1	F	4:40:00	day	121	1983
0464	85	50	35.114	109	27	11.902	E-47.64-1	I-00.65-1	F	4:41:00	day	121	1983
0465	85	50	16.434	109	21	17.223	E-47.60-1	I-00.61-1	F	4:42:00	day	121	1983
0466	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	4:43:00	day	121	1983
0467	85	50	18.480	109	21	43.622	E-47.60-1	I-00.62-1	F	4:44:00	day	121	1983
0468	85	50	13.814	109	20	15.258	E-47.59-1	I-00.61-1	F	4:45:00	day	121	1983
0469	85	50	23.149	109	23	12.127	E-47.61-1	I-00.63-1	F	4:46:00	day	121	1983
0470	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	4:47:00	day	121	1983
0471	85	50	29.867	109	25	7.289	E-47.62-1	I-00.65-1	F	4:48:00	day	121	1983
0472	85	50	14.389	109	20	50.840	E-47.60-1	I-00.60-1	F	4:49:00	day	121	1983
0473	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	4:50:00	day	121	1983
0474	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	4:51:00	day	121	1983
0475	85	50	27.819	109	24	40.775	E-47.62-1	I-00.64-1	F	4:52:00	day	121	1983
0476	85	50	20.527	109	22	10.037	E-47.60-1	I-00.63-1	F	4:53:00	day	121	1983
0477	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	4:54:00	day	121	1983
0478	85	50	27.819	109	24	40.775	E-47.62-1	I-00.64-1	F	4:55:00	day	121	1983
0479	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	4:56:00	day	121	1983
0480	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	4:57:00	day	121	1983
0481	85	50	20.527	109	22	10.037	E-47.60-1	I-00.63-1	F	4:58:00	day	121	1983
0482	85	50	45.943	109	30	.915	E-47.65-1	I-00.69-1	F	4:59:00	day	121	1983
0483	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	5:00:00	day	121	1983
0484	85	50	29.867	109	25	7.289	E-47.62-1	I-00.65-1	F	5:01:00	day	121	1983
0485	85	50	18.480	109	21	43.622	E-47.60-1	I-00.62-1	F	5:02:00	day	121	1983
0486	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	5:03:00	day	121	1983
0487	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	5:04:00	day	121	1983
0488	85	50	6.531	109	17	45.222	E-47.57-1	I-00.60-1	F	5:05:00	day	121	1983
0489	85	50	23.149	109	23	12.127	E-47.61-1	I-00.63-1	F	5:06:00	day	121	1983
0490	85	50	20.527	109	22	10.037	E-47.60-1	I-00.63-1	F	5:07:00	day	121	1983
0491	85	50	27.819	109	24	40.775	E-47.62-1	I-00.64-1	F	5:08:00	day	121	1983
0492	85	50	21.102	109	22	45.680	E-47.61-1	I-00.62-1	F	5:09:00	day	121	1983
0493	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	5:10:00	day	121	1983

0494	85	50	23.149	109	23	12.127	E-47.61-1	I-00.63-1	F	5:11:00,	day	121,	1983
0495	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	5:12:00,	day	121,	1983
0496	85	50	11.769	109	19	48.908	E-47.59-1	I-00.60-1	F	5:13:00,	day	121,	1983
0497	85	50	36.590	109	27	2.708	E-47.63-1	I-00.67-1	F	5:14:00,	day	121,	1983
0498	85	50	30.441	109	25	43.019	E-47.63-1	I-00.64-1	F	5:15:00,	day	121,	1983
0499	85	50	19.952	109	21	34.404	E-47.59-1	I-00.64-1	F	5:16:00,	day	121,	1983
0500	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	5:17:00,	day	121,	1983
0501	85	50	3.019	109	17	28.181	E-47.58-1	I-00.57-1	F	5:18:00,	day	121,	1983
0502	85	50	42.743	109	28	22.545	E-47.63-1	I-00.70-1	F	5:19:00,	day	121,	1983
0503	85	50	26.344	109	24	49.975	E-47.63-1	I-00.62-1	F	5:20:00,	day	121,	1983
0504	85	50	23.723	109	23	47.797	E-47.62-1	I-00.62-1	F	5:21:00,	day	121,	1983
0505	85	50	23.723	109	23	47.797	E-47.62-1	I-00.62-1	F	5:22:00,	day	121,	1983
0506	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	5:23:00,	day	121,	1983
0507	85	50	22.574	109	22	36.468	E-47.60-1	I-00.64-1	F	5:24:00,	day	121,	1983
0508	85	50	2.444	109	16	52.701	E-47.57-1	I-00.58-1	F	5:25:00,	day	121,	1983
0509	85	50	40.691	109	27	55.916	E-47.63-1	I-00.69-1	F	5:26:00,	day	121,	1983
0510	85	50	18.480	109	21	43.622	E-47.60-1	I-00.62-1	F	5:27:00,	day	121,	1983
0511	85	50	23.149	109	23	12.127	E-47.61-1	I-00.63-1	F	5:28:00,	day	121,	1983
0512	85	50	4.487	109	17	18.953	E-47.57-1	I-00.59-1	F	5:29:00,	day	121,	1983
0513	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	5:30:00,	day	121,	1983
0514	85	49	59.251	109	15	15.570	E-47.55-1	I-00.59-1	F	5:31:00,	day	121,	1983
0515	85	50	36.590	109	27	2.708	E-47.63-1	I-00.67-1	F	5:32:00,	day	121,	1983
0516	85	50	4.487	109	17	18.953	E-47.57-1	I-00.59-1	F	5:33:00,	day	121,	1983
0517	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	5:34:00,	day	121,	1983
0518	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	5:35:00,	day	121,	1983
0519	85	50	18.480	109	21	43.622	E-47.60-1	I-00.62-1	F	5:36:00,	day	121,	1983
0520	85	50	4.487	109	17	18.953	E-47.57-1	I-00.59-1	F	5:37:00,	day	121,	1983
0521	85	50	13.239	109	19	39.685	E-47.58-1	I-00.62-1	F	5:38:00,	day	121,	1983
0522	85	50	31.916	109	25	33.819	E-47.62-1	I-00.66-1	F	5:39:00,	day	121,	1983
0523	85	50	16.434	109	21	17.223	E-47.60-1	I-00.61-1	F	5:40:00,	day	121,	1983
0524	85	50	1.869	109	16	17.232	E-47.56-1	I-00.59-1	F	5:41:00,	day	121,	1983
0525	85	50	5.062	109	17	54.449	E-47.58-1	I-00.58-1	F	5:42:00,	day	121,	1983
0526	85	50	20.527	109	22	10.037	E-47.60-1	I-00.63-1	F	5:43:00,	day	121,	1983
0527	85	50	23.149	109	23	12.127	E-47.61-1	I-00.63-1	F	5:44:00,	day	121,	1983
0528	85	50	40.691	109	27	55.916	E-47.63-1	I-00.69-1	F	5:45:00,	day	121,	1983
0529	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	5:46:00,	day	121,	1983
0530	85	50	13.239	109	19	39.685	E-47.58-1	I-00.62-1	F	5:47:00,	day	121,	1983
0531	85	50	17.906	109	21	8.006	E-47.59-1	I-00.63-1	F	5:48:00,	day	121,	1983
0532	85	50	13.239	109	19	39.685	E-47.58-1	I-00.62-1	F	5:49:00,	day	121,	1983
0533	85	50	13.239	109	19	39.685	E-47.58-1	I-00.62-1	F	5:50:00,	day	121,	1983
0534	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	5:51:00,	day	121,	1983
0535	85	50	13.239	109	19	39.685	E-47.58-1	I-00.62-1	F	5:52:00,	day	121,	1983
0536	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	5:53:00,	day	121,	1983
0537	85	50	15.284	109	20	6.035	E-47.58-1	I-00.63-1	F	5:54:00,	day	121,	1983
0538	85	50	19.376	109	20	58.783	E-47.58-1	I-00.65-1	F	5:55:00,	day	121,	1983

0539	85	50	25.196	109	23	38.592	E-47.61-1	I-00.64-1	F	5:56:00,	day	121,	1983
0540	85	50	36.015	109	26	26.928	E-47.62-1	I-00.68-1	F	5:57:00,	day	121,	1983
0541	85	50	40.117	109	27	20.103	E-47.62-1	I-00.70-1	F	5:58:00,	day	121,	1983
0542	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	5:59:00,	day	121,	1983
0543	85	50	28.717	109	23	55.860	E-47.60-1	I-00.67-1	F	6:00:00,	day	121,	1983
0544	85	50	36.015	109	26	26.928	E-47.62-1	I-00.68-1	F	6:01:00,	day	121,	1983
0545	85	50	35.440	109	25	51.159	E-47.61-1	I-00.69-1	F	6:02:00,	day	121,	1983
0546	85	50	19.952	109	21	34.404	E-47.59-1	I-00.64-1	F	6:03:00,	day	121,	1983
0547	85	50	40.117	109	27	20.103	E-47.62-1	I-00.70-1	F	6:04:00,	day	121,	1983
0548	85	50	22.574	109	22	36.468	E-47.60-1	I-00.64-1	F	6:05:00,	day	121,	1983
0549	85	50	29.292	109	24	31.569	E-47.61-1	I-00.66-1	F	6:06:00,	day	121,	1983
0550	85	50	24.046	109	22	27.250	E-47.59-1	I-00.66-1	F	6:07:00,	day	121,	1983
0551	85	50	31.341	109	24	58.083	E-47.61-1	I-00.67-1	F	6:08:00,	day	121,	1983
0552	85	50	27.244	109	24	5.072	E-47.61-1	I-00.65-1	F	6:09:00,	day	121,	1983
0553	85	50	10.043	109	18	2.272	E-47.56-1	I-00.63-1	F	6:10:00,	day	121,	1983
0554	85	50	17.906	109	21	8.006	E-47.59-1	I-00.63-1	F	6:11:00,	day	121,	1983
0555	85	50	15.284	109	20	6.035	E-47.58-1	I-00.63-1	F	6:12:00,	day	121,	1983
0556	85	50	17.906	109	21	8.006	E-47.59-1	I-00.63-1	F	6:13:00,	day	121,	1983
0557	85	50	14.709	109	19	30.456	E-47.57-1	I-00.64-1	F	6:14:00,	day	121,	1983
0558	85	50	5.955	109	17	9.720	E-47.56-1	I-00.61-1	F	6:15:00,	day	121,	1983
0559	85	50	38.640	109	27	29.304	E-47.63-1	I-00.68-1	F	6:16:00,	day	121,	1983
0560	85	50	15.860	109	20	41.624	E-47.59-1	I-00.62-1	F	6:17:00,	day	121,	1983
0561	85	50	5.955	109	17	9.720	E-47.56-1	I-00.61-1	F	6:18:00,	day	121,	1983
0562	85	50	24.046	109	22	27.250	E-47.59-1	I-00.66-1	F	6:19:00,	day	121,	1983
0563	85	50	22.574	109	22	36.468	E-47.60-1	I-00.64-1	F	6:20:00,	day	121,	1983
0564	85	50	31.341	109	24	58.083	E-47.61-1	I-00.67-1	F	6:21:00,	day	121,	1983
0565	85	50	36.015	109	26	26.928	E-47.62-1	I-00.68-1	F	6:22:00,	day	121,	1983
0566	85	50	10.043	109	18	2.272	E-47.56-1	I-00.63-1	F	6:23:00,	day	121,	1983
0567	85	50	21.999	109	22	.819	E-47.59-1	I-00.65-1	F	6:24:00,	day	121,	1983
0568	85	50	17.330	109	20	32.401	E-47.58-1	I-00.64-1	F	6:25:00,	day	121,	1983
0569	85	50	19.952	109	21	34.404	E-47.59-1	I-00.64-1	F	6:26:00,	day	121,	1983
0570	85	50	12.664	109	19	4.123	E-47.57-1	I-00.63-1	F	6:27:00,	day	121,	1983
0571	85	50	30.766	109	24	22.357	E-47.60-1	I-00.68-1	F	6:28:00,	day	121,	1983
0572	85	50	8.575	109	18	11.506	E-47.57-1	I-00.61-1	F	6:29:00,	day	121,	1983
0573	85	50	31.341	109	24	58.083	E-47.61-1	I-00.67-1	F	6:30:00,	day	121,	1983
0574	85	50	5.955	109	17	9.720	E-47.56-1	I-00.61-1	F	6:31:00,	day	121,	1983
0575	85	50	33.391	109	25	24.612	E-47.61-1	I-00.68-1	F	6:32:00,	day	121,	1983
0576	85	50	26.669	109	23	29.380	E-47.60-1	I-00.66-1	F	6:33:00,	day	121,	1983
0577	85	50	5.955	109	17	9.720	E-47.56-1	I-00.61-1	F	6:34:00,	day	121,	1983
0578	85	50	28.717	109	23	55.860	E-47.60-1	I-00.67-1	F	6:35:00,	day	121,	1983
0579	85	50	19.376	109	20	58.783	E-47.58-1	I-00.65-1	F	6:36:00,	day	121,	1983
0580	85	50	19.376	109	20	58.783	E-47.58-1	I-00.65-1	F	6:37:00,	day	121,	1983
0581	85	50	30.766	109	24	22.357	E-47.60-1	I-00.68-1	F	6:38:00,	day	121,	1983
0582	85	50	7.999	109	17	35.988	E-47.56-1	I-00.62-1	F	6:39:00,	day	121,	1983
0583	85	50	31.341	109	24	58.083	E-47.61-1	I-00.67-1	F	6:40:00,	day	121,	1983

0584	85	50	12.088	109	18	28.572	E-47.56-1	I-00.64-1	F	6:41:00,	day	121,	1983
0585	85	50	5.379	109	16	34.228	E-47.55-1	I-00.62-1	F	6:42:00,	day	121,	1983
0586	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	6:43:00,	day	121,	1983
0587	85	50	28.717	109	23	55.860	E-47.60-1	I-00.67-1	F	6:44:00,	day	121,	1983
0588	85	50	9.467	109	17	26.747	E-47.55-1	I-00.64-1	F	6:45:00,	day	121,	1983
0589	85	50	10.043	109	18	2.272	E-47.56-1	I-00.63-1	F	6:46:00,	day	121,	1983
0590	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	6:47:00,	day	121,	1983
0591	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	6:48:00,	day	121,	1983
0592	85	50	19.376	109	20	58.783	E-47.58-1	I-00.65-1	F	6:49:00,	day	121,	1983
0593	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	6:50:00,	day	121,	1983
0594	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	6:51:00,	day	121,	1983
0595	85	50	9.467	109	17	26.747	E-47.55-1	I-00.64-1	F	6:52:00,	day	121,	1983
0596	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	6:53:00,	day	121,	1983
0597	85	50	.140	109	14	30.887	E-47.53-1	I-00.62-1	F	6:54:00,	day	121,	1983
0598	85	50	.140	109	14	30.887	E-47.53-1	I-00.62-1	F	6:55:00,	day	121,	1983
0599	85	50	9.467	109	17	26.747	E-47.55-1	I-00.64-1	F	6:56:00,	day	121,	1983
0600	85	50	20.847	109	20	49.553	E-47.57-1	I-00.67-1	F	6:57:00,	day	121,	1983
0601	85	49	48.782	109	11	9.515	E-47.51-1	I-00.59-1	F	6:58:00,	day	121,	1983
0602	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	6:59:00,	day	121,	1983
0603	85	50	14.709	109	19	30.456	E-47.57-1	I-00.64-1	F	7:00:00,	day	121,	1983
0604	85	50	23.470	109	21	51.595	E-47.58-1	I-00.67-1	F	7:01:00,	day	121,	1983
0605	85	50	23.470	109	21	51.595	E-47.58-1	I-00.67-1	F	7:02:00,	day	121,	1983
0606	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	7:03:00,	day	121,	1983
0607	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	7:04:00,	day	121,	1983
0608	85	50	12.088	109	18	28.572	E-47.56-1	I-00.64-1	F	7:05:00,	day	121,	1983
0609	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	7:06:00,	day	121,	1983
0610	85	50	7.999	109	17	35.988	E-47.56-1	I-00.62-1	F	7:07:00,	day	121,	1983
0611	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:08:00,	day	121,	1983
0612	85	50	21.999	109	22	.819	E-47.59-1	I-00.65-1	F	7:09:00,	day	121,	1983
0613	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	7:10:00,	day	121,	1983
0614	85	50	14.709	109	19	30.456	E-47.57-1	I-00.64-1	F	7:11:00,	day	121,	1983
0615	85	50	14.709	109	19	30.456	E-47.57-1	I-00.64-1	F	7:12:00,	day	121,	1983
0616	85	50	25.518	109	22	18.026	E-47.58-1	I-00.68-1	F	7:13:00,	day	121,	1983
0617	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:14:00,	day	121,	1983
0618	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:15:00,	day	121,	1983
0619	85	50	.140	109	14	30.887	E-47.53-1	I-00.62-1	F	7:16:00,	day	121,	1983
0620	85	50	16.178	109	19	21.221	E-47.56-1	I-00.66-1	F	7:17:00,	day	121,	1983
0621	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	7:18:00,	day	121,	1983
0622	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	7:19:00,	day	121,	1983
0623	85	50	32.815	109	24	48.870	E-47.60-1	I-00.69-1	F	7:20:00,	day	121,	1983
0624	85	50	7.999	109	17	35.988	E-47.56-1	I-00.62-1	F	7:21:00,	day	121,	1983
0625	85	50	26.094	109	22	53.698	E-47.59-1	I-00.67-1	F	7:22:00,	day	121,	1983
0626	85	50	28.142	109	23	20.162	E-47.59-1	I-00.68-1	F	7:23:00,	day	121,	1983
0627	85	50	7.423	109	17	.480	E-47.55-1	I-00.63-1	F	7:24:00,	day	121,	1983
0628	85	50	20.847	109	20	49.553	E-47.57-1	I-00.67-1	F	7:25:00,	day	121,	1983

0629	85	50	9.467	109	17	26.747	E-47.55-1	I-00.64-1	F	7:26:00,	day	121,	1983
0630	85	50	10.043	109	18	2.272	E-47.56-1	I-00.63-1	F	7:27:00,	day	121,	1983
0631	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	7:28:00,	day	121,	1983
0632	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:29:00,	day	121,	1983
0633	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:30:00,	day	121,	1983
0634	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	7:31:00,	day	121,	1983
0635	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	7:32:00,	day	121,	1983
0636	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	7:33:00,	day	121,	1983
0637	85	50	7.423	109	17	.480	E-47.55-1	I-00.63-1	F	7:34:00,	day	121,	1983
0638	85	50	4.803	109	15	58.747	E-47.54-1	I-00.63-1	F	7:35:00,	day	121,	1983
0639	85	50	11.511	109	17	53.031	E-47.55-1	I-00.65-1	F	7:36:00,	day	121,	1983
0640	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	7:37:00,	day	121,	1983
0641	85	50	28.142	109	23	20.162	E-47.59-1	I-00.68-1	F	7:38:00,	day	121,	1983
0642	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	7:39:00,	day	121,	1983
0643	85	50	7.423	109	17	.480	E-47.55-1	I-00.63-1	F	7:40:00,	day	121,	1983
0644	85	50	17.330	109	20	32.401	E-47.58-1	I-00.64-1	F	7:41:00,	day	121,	1983
0645	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	7:42:00,	day	121,	1983
0646	85	50	11.511	109	17	53.031	E-47.55-1	I-00.65-1	F	7:43:00,	day	121,	1983
0647	85	50	16.178	109	19	21.221	E-47.56-1	I-00.66-1	F	7:44:00,	day	121,	1983
0648	85	50	11.511	109	17	53.031	E-47.55-1	I-00.65-1	F	7:45:00,	day	121,	1983
0649	85	50	6.846	109	16	24.982	E-47.54-1	I-00.64-1	F	7:46:00,	day	121,	1983
0650	85	50	11.511	109	17	53.031	E-47.55-1	I-00.65-1	F	7:47:00,	day	121,	1983
0651	85	50	25.518	109	22	18.026	E-47.58-1	I-00.68-1	F	7:48:00,	day	121,	1983
0652	85	50	7.423	109	17	.480	E-47.55-1	I-00.63-1	F	7:49:00,	day	121,	1983
0653	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:50:00,	day	121,	1983
0654	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	7:51:00,	day	121,	1983
0655	85	50	21.423	109	21	25.181	E-47.58-1	I-00.66-1	F	7:52:00,	day	121,	1983
0656	85	50	5.379	109	16	34.228	E-47.55-1	I-00.62-1	F	7:53:00,	day	121,	1983
0657	85	50	37.491	109	26	17.721	E-47.61-1	I-00.70-1	F	7:54:00,	day	121,	1983
0658	85	50	34.865	109	25	15.399	E-47.60-1	I-00.70-1	F	7:55:00,	day	121,	1983
0659	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:56:00,	day	121,	1983
0660	85	50	16.754	109	19	56.806	E-47.57-1	I-00.65-1	F	7:57:00,	day	121,	1983
0661	85	50	18.801	109	20	23.171	E-47.57-1	I-00.66-1	F	7:58:00,	day	121,	1983
0662	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	7:59:00,	day	121,	1983
0663	85	50	22.894	109	21	15.951	E-47.57-1	I-00.68-1	F	8:00:00,	day	121,	1983
0664	85	50	25.518	109	22	18.026	E-47.58-1	I-00.68-1	F	8:01:00,	day	121,	1983
0665	85	50	18.224	109	19	47.570	E-47.56-1	I-00.67-1	F	8:02:00,	day	121,	1983
0666	85	50	11.511	109	17	53.031	E-47.55-1	I-00.65-1	F	8:03:00,	day	121,	1983
0667	85	50	14.133	109	18	54.889	E-47.56-1	I-00.65-1	F	8:04:00,	day	121,	1983
0668	85	50	8.890	109	16	51.233	E-47.54-1	I-00.65-1	F	8:05:00,	day	121,	1983
0669	85	50	13.556	109	18	19.331	E-47.55-1	I-00.66-1	F	8:06:00,	day	121,	1983
0670	85	50	4.226	109	15	23.276	E-47.53-1	I-00.64-1	F	8:07:00,	day	121,	1983
0671	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:08:00,	day	121,	1983
0672	85	50	18.224	109	19	47.570	E-47.56-1	I-00.67-1	F	8:09:00,	day	121,	1983
0673	85	50	20.271	109	20	13.935	E-47.56-1	I-00.68-1	F	8:10:00,	day	121,	1983

0674	85	49	59.563	109	13	55.460	E-47.52-1	I-00.63-1	F	8:11:00,	day	121,	1983
0675	85	50	2.183	109	14	57.074	E-47.53-1	I-00.63-1	F	8:12:00,	day	121,	1983
0676	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:13:00,	day	121,	1983
0677	85	50	15.602	109	18	45.647	E-47.55-1	I-00.67-1	F	8:14:00,	day	121,	1983
0678	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:15:00,	day	121,	1983
0679	85	50	8.890	109	16	51.233	E-47.54-1	I-00.65-1	F	8:16:00,	day	121,	1983
0680	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:17:00,	day	121,	1983
0681	85	50	15.602	109	18	45.647	E-47.55-1	I-00.67-1	F	8:18:00,	day	121,	1983
0682	85	50	18.224	109	19	47.570	E-47.56-1	I-00.67-1	F	8:19:00,	day	121,	1983
0683	85	50	17.648	109	19	11.980	E-47.55-1	I-00.68-1	F	8:20:00,	day	121,	1983
0684	85	50	6.846	109	16	24.982	E-47.54-1	I-00.64-1	F	8:21:00,	day	121,	1983
0685	85	50	6.846	109	16	24.982	E-47.54-1	I-00.64-1	F	8:22:00,	day	121,	1983
0686	85	50	22.894	109	21	15.951	E-47.57-1	I-00.68-1	F	8:23:00,	day	121,	1983
0687	85	50	20.847	109	20	49.553	E-47.57-1	I-00.67-1	F	8:24:00,	day	121,	1983
0688	85	50	8.890	109	16	51.233	E-47.54-1	I-00.65-1	F	8:25:00,	day	121,	1983
0689	85	50	18.224	109	19	47.570	E-47.56-1	I-00.67-1	F	8:26:00,	day	121,	1983
0690	85	50	15.602	109	18	45.647	E-47.55-1	I-00.67-1	F	8:27:00,	day	121,	1983
0691	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:28:00,	day	121,	1983
0692	85	50	18.224	109	19	47.570	E-47.56-1	I-00.67-1	F	8:29:00,	day	121,	1983
0693	85	50	13.556	109	18	19.331	E-47.55-1	I-00.66-1	F	8:30:00,	day	121,	1983
0694	85	50	17.648	109	19	11.980	E-47.55-1	I-00.68-1	F	8:31:00,	day	121,	1983
0695	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:32:00,	day	121,	1983
0696	85	50	15.602	109	18	45.647	E-47.55-1	I-00.67-1	F	8:33:00,	day	121,	1983
0697	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:34:00,	day	121,	1983
0698	85	49	45.009	109	8	57.563	E-47.48-1	I-00.61-1	F	8:35:00,	day	121,	1983
0699	85	50	20.271	109	20	13.935	E-47.56-1	I-00.68-1	F	8:36:00,	day	121,	1983
0700	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:37:00,	day	121,	1983
0701	85	50	15.025	109	18	10.084	E-47.54-1	I-00.68-1	F	8:38:00,	day	121,	1983
0702	85	50	36.339	109	25	6.180	E-47.59-1	I-00.72-1	F	8:39:00,	day	121,	1983
0703	85	50	5.692	109	15	14.018	E-47.52-1	I-00.66-1	F	8:40:00,	day	121,	1983
0704	85	50	15.602	109	18	45.647	E-47.55-1	I-00.67-1	F	8:41:00,	day	121,	1983
0705	85	50	17.648	109	19	11.980	E-47.55-1	I-00.68-1	F	8:42:00,	day	121,	1983
0706	85	50	22.318	109	20	40.317	E-47.56-1	I-00.69-1	F	8:43:00,	day	121,	1983
0707	85	50	10.934	109	17	17.500	E-47.54-1	I-00.66-1	F	8:44:00,	day	121,	1983
0708	85	50	31.087	109	23	1.706	E-47.57-1	I-00.72-1	F	8:45:00,	day	121,	1983
0709	85	50	20.271	109	20	13.935	E-47.56-1	I-00.68-1	F	8:46:00,	day	121,	1983
0710	85	50	20.271	109	20	13.935	E-47.56-1	I-00.68-1	F	8:47:00,	day	121,	1983
0711	85	50	22.318	109	20	40.317	E-47.56-1	I-00.69-1	F	8:48:00,	day	121,	1983
0712	85	50	3.648	109	14	47.815	E-47.52-1	I-00.65-1	F	8:49:00,	day	121,	1983
0713	85	50	3.648	109	14	47.815	E-47.52-1	I-00.65-1	F	8:50:00,	day	121,	1983
0714	85	50	12.979	109	17	43.784	E-47.54-1	I-00.67-1	F	8:51:00,	day	121,	1983
0715	85	50	19.694	109	19	38.328	E-47.55-1	I-00.69-1	F	8:52:00,	day	121,	1983
0716	85	50	2.183	109	14	57.074	E-47.53-1	I-00.63-1	F	8:53:00,	day	121,	1983
0717	85	50	47.749	109	28	30.780	E-47.61-1	I-00.75-1	F	8:54:00,	day	121,	1983
0718	85	50	12.979	109	17	43.784	E-47.54-1	I-00.67-1	F	8:55:00,	day	121,	1983

0719	85 50	10.934	109 17	17.500	E-47.54-1	I-00.66-1	F	8:56:00	day 121	1983
0720	85 50	26.990	109 22	8.796	E-47.57-1	I-00.70-1	F	8:57:00	day 121	1983
0721	85 50	22.894	109 21	15.951	E-47.57-1	I-00.68-1	F	8:58:00	day 121	1983
0722	85 50	17.648	109 19	11.980	E-47.55-1	I-00.68-1	F	8:59:00	day 121	1983
0723	85 50	5.692	109 15	14.018	E-47.52-1	I-00.66-1	F	9:00:00	day 121	1983
0724	85 50	10.934	109 17	17.500	E-47.54-1	I-00.66-1	F	9:01:00	day 121	1983
0725	85 50	15.025	109 18	10.084	E-47.54-1	I-00.68-1	F	9:02:00	day 121	1983
0726	85 50	10.934	109 17	17.500	E-47.54-1	I-00.66-1	F	9:03:00	day 121	1983
0727	85 50	5.692	109 15	14.018	E-47.52-1	I-00.66-1	F	9:04:00	day 121	1983
0728	85 50	26.413	109 21	33.128	E-47.56-1	I-00.71-1	F	9:05:00	day 121	1983
0729	85 50	10.934	109 17	17.500	E-47.54-1	I-00.66-1	F	9:06:00	day 121	1983
0730	85 50	24.942	109 21	42.365	E-47.57-1	I-00.69-1	F	9:07:00	day 121	1983
0731	85 50	29.038	109 22	35.243	E-47.57-1	I-00.71-1	F	9:08:00	day 121	1983
0732	85 50	21.741	109 20	4.693	E-47.55-1	I-00.70-1	F	9:09:00	day 121	1983
0733	85 50	29.615	109 23	10.937	E-47.58-1	I-00.70-1	F	9:10:00	day 121	1983
0734	85 50	12.979	109 17	43.784	E-47.54-1	I-00.67-1	F	9:11:00	day 121	1983
0735	85 50	24.942	109 21	42.365	E-47.57-1	I-00.69-1	F	9:12:00	day 121	1983
0736	85 50	18.224	109 19	47.570	E-47.56-1	I-00.67-1	F	9:13:00	day 121	1983
0737	85 50	20.271	109 20	13.935	E-47.56-1	I-00.68-1	F	9:14:00	day 121	1983
0738	85 50	29.615	109 23	10.937	E-47.58-1	I-00.70-1	F	9:15:00	day 121	1983
0739	85 50	10.357	109 16	41.980	E-47.53-1	I-00.67-1	F	9:16:00	day 121	1983
0740	85 50	10.357	109 16	41.980	E-47.53-1	I-00.67-1	F	9:17:00	day 121	1983
0741	85 50	15.025	109 18	10.084	E-47.54-1	I-00.68-1	F	9:18:00	day 121	1983
0742	85 50	37.813	109 24	56.954	E-47.58-1	I-00.74-1	F	9:19:00	day 121	1983
0743	85 50	17.070	109 18	36.399	E-47.54-1	I-00.69-1	F	9:20:00	day 121	1983
0744	85 50	10.934	109 17	17.500	E-47.54-1	I-00.66-1	F	9:21:00	day 121	1983
0745	85 49	56.366	109 12	18.514	E-47.50-1	I-00.64-1	F	9:22:00	day 121	1983
0746	85 50	24.365	109 21	6.714	E-47.56-1	I-00.70-1	F	9:23:00	day 121	1983
0747	85 50	21.741	109 20	4.693	E-47.55-1	I-00.70-1	F	9:24:00	day 121	1983
0748	85 50	22.318	109 20	40.317	E-47.56-1	I-00.69-1	F	9:25:00	day 121	1983
0749	85 50	24.365	109 21	6.714	E-47.56-1	I-00.70-1	F	9:26:00	day 121	1983
0750	85 50	17.648	109 19	11.980	E-47.55-1	I-00.68-1	F	9:27:00	day 121	1983
0751	85 50	23.788	109 20	31.074	E-47.55-1	I-00.71-1	F	9:28:00	day 121	1983
0752	85 50	35.763	109 24	30.425	E-47.58-1	I-00.73-1	F	9:29:00	day 121	1983
0753	85 50	19.694	109 19	38.328	E-47.55-1	I-00.69-1	F	9:30:00	day 121	1983
0754	85 50	8.313	109 16	15.729	E-47.53-1	I-00.66-1	F	9:31:00	day 121	1983
0755	85 50	1.028	109 13	46.196	E-47.51-1	I-00.65-1	F	9:32:00	day 121	1983
0756	85 50	26.413	109 21	33.128	E-47.56-1	I-00.71-1	F	9:33:00	day 121	1983
0757	85 50	33.136	109 23	28.185	E-47.57-1	I-00.73-1	F	9:34:00	day 121	1983
0758	85 50	27.884	109 21	23.885	E-47.55-1	I-00.73-1	F	9:35:00	day 121	1983
0759	85 50	14.447	109 17	34.530	E-47.53-1	I-00.69-1	F	9:36:00	day 121	1983
0760	85 50	21.163	109 19	29.080	E-47.54-1	I-00.71-1	F	9:37:00	day 121	1983
0761	85 50	12.402	109 17	8.247	E-47.53-1	I-00.68-1	F	9:38:00	day 121	1983
0762	85 50	37.813	109 24	56.954	E-47.58-1	I-00.74-1	F	9:39:00	day 121	1983
0763	85 50	19.694	109 19	38.328	E-47.55-1	I-00.69-1	F	9:40:00	day 121	1983

0764	85 50 14.447	109 17 34.530	E-47.53-1	I-00.69-1	F	9:41:00,	day 121,	1983
0765	85 50 25.836	109 20 57.472	E-47.55-1	I-00.72-1	F	9:42:00,	day 121,	1983
0766	85 50 7.735	109 15 40.236	E-47.52-1	I-00.67-1	F	9:43:00,	day 121,	1983
0767	85 50 21.163	109 19 29.080	E-47.54-1	I-00.71-1	F	9:44:00,	day 121,	1983
0768	85 50 14.447	109 17 34.530	E-47.53-1	I-00.69-1	F	9:45:00,	day 121,	1983
0769	85 50 35.186	109 23 54.681	E-47.57-1	I-00.74-1	F	9:46:00,	day 121,	1983
0770	85 50 16.493	109 18 .830	E-47.53-1	I-00.70-1	F	9:47:00,	day 121,	1983
0771	85 50 21.163	109 19 29.080	E-47.54-1	I-00.71-1	F	9:48:00,	day 121,	1983
0772	85 50 37.813	109 24 56.954	E-47.58-1	I-00.74-1	F	9:49:00,	day 121,	1983
0773	85 50 28.461	109 21 59.559	E-47.56-1	I-00.72-1	F	9:50:00,	day 121,	1983
0774	85 50 39.864	109 25 23.500	E-47.58-1	I-00.75-1	F	9:51:00,	day 121,	1983
0775	85 50 30.510	109 22 26.005	E-47.56-1	I-00.73-1	F	9:52:00,	day 121,	1983
0776	85 50 23.788	109 20 31.074	E-47.55-1	I-00.71-1	F	9:53:00,	day 121,	1983
0777	85 50 21.741	109 20 4.693	E-47.55-1	I-00.70-1	F	9:54:00,	day 121,	1983
0778	85 50 17.070	109 18 36.399	E-47.54-1	I-00.69-1	F	9:55:00,	day 121,	1983
0779	85 50 35.763	109 24 30.425	E-47.58-1	I-00.73-1	F	9:56:00,	day 121,	1983
0780	85 50 14.447	109 17 34.530	E-47.53-1	I-00.69-1	F	9:57:00,	day 121,	1983
0781	85 50 19.117	109 19 2.731	E-47.54-1	I-00.70-1	F	9:58:00,	day 121,	1983
0782	85 50 33.136	109 23 28.185	E-47.57-1	I-00.73-1	F	9:59:00,	day 121,	1983
0783	85 50 39.287	109 24 47.722	E-47.57-1	I-00.76-1	F	10:00:00,	day 121,	1983
0784	85 50 37.813	109 24 56.954	E-47.58-1	I-00.74-1	F	10:01:00,	day 121,	1983
0785	85 50 30.510	109 22 26.005	E-47.56-1	I-00.73-1	F	10:02:00,	day 121,	1983
0786	85 50 29.933	109 21 50.315	E-47.55-1	I-00.74-1	F	10:03:00,	day 121,	1983
0787	85 50 16.493	109 18 .830	E-47.53-1	I-00.70-1	F	10:04:00,	day 121,	1983
0788	85 50 14.447	109 17 34.530	E-47.53-1	I-00.69-1	F	10:05:00,	day 121,	1983
0789	85 50 20.586	109 18 53.477	E-47.53-1	I-00.72-1	F	10:06:00,	day 121,	1983
0790	85 50 25.836	109 20 57.472	E-47.55-1	I-00.72-1	F	10:07:00,	day 121,	1983
0791	85 50 29.933	109 21 50.315	E-47.55-1	I-00.74-1	F	10:08:00,	day 121,	1983
0792	85 50 32.559	109 22 52.468	E-47.56-1	I-00.74-1	F	10:09:00,	day 121,	1983
0793	85 50 30.510	109 22 26.005	E-47.56-1	I-00.73-1	F	10:10:00,	day 121,	1983
0794	85 50 29.933	109 21 50.315	E-47.55-1	I-00.74-1	F	10:11:00,	day 121,	1983
0795	85 50 11.246	109 15 57.205	E-47.51-1	I-00.70-1	F	10:12:00,	day 121,	1983
0796	85 50 23.211	109 19 55.444	E-47.54-1	I-00.72-1	F	10:13:00,	day 121,	1983
0797	85 50 25.836	109 20 57.472	E-47.55-1	I-00.72-1	F	10:14:00,	day 121,	1983
0798	85 50 20.586	109 18 53.477	E-47.53-1	I-00.72-1	F	10:15:00,	day 121,	1983
0799	85 50 23.211	109 19 55.444	E-47.54-1	I-00.72-1	F	10:16:00,	day 121,	1983
0800	85 50 29.933	109 21 50.315	E-47.55-1	I-00.74-1	F	10:17:00,	day 121,	1983
0801	85 50 23.211	109 19 55.444	E-47.54-1	I-00.72-1	F	10:18:00,	day 121,	1983
0802	85 50 25.258	109 20 21.825	E-47.54-1	I-00.73-1	F	10:19:00,	day 121,	1983
0803	85 50 45.442	109 26 7.407	E-47.57-1	I-00.79-1	F	10:20:00,	day 121,	1983
0804	85 50 17.961	109 17 51.569	E-47.52-1	I-00.72-1	F	10:21:00,	day 121,	1983
0805	85 50 34.031	109 22 43.224	E-47.55-1	I-00.76-1	F	10:22:00,	day 121,	1983
0806	85 50 36.659	109 23 45.443	E-47.56-1	I-00.76-1	F	10:23:00,	day 121,	1983
0807	85 50 41.338	109 25 14.267	E-47.57-1	I-00.77-1	F	10:24:00,	day 121,	1983
0808	85 50 38.710	109 24 11.955	E-47.56-1	I-00.77-1	F	10:25:00,	day 121,	1983

0809	85	50	29.933	109	21	50.315	E-47.55-1	I-00.74-1	F	10:26:00,	day	121,	1983
0810	85	50	34.031	109	22	43.224	E-47.55-1	I-00.76-1	F	10:27:00,	day	121,	1983
0811	85	50	25.258	109	20	21.825	E-47.54-1	I-00.73-1	F	10:28:00,	day	121,	1983
0812	85	50	15.915	109	17	25.270	E-47.52-1	I-00.71-1	F	10:29:00,	day	121,	1983
0813	85	50	36.081	109	23	9.703	E-47.55-1	I-00.77-1	F	10:30:00,	day	121,	1983
0814	85	50	36.081	109	23	9.703	E-47.55-1	I-00.77-1	F	10:31:00,	day	121,	1983
0815	85	50	36.081	109	23	9.703	E-47.55-1	I-00.77-1	F	10:32:00,	day	121,	1983
0816	85	50	33.453	109	22	7.512	E-47.54-1	I-00.77-1	F	10:33:00,	day	121,	1983
0817	85	50	17.382	109	17	16.004	E-47.51-1	I-00.73-1	F	10:34:00,	day	121,	1983
0818	85	50	24.680	109	19	46.189	E-47.53-1	I-00.74-1	F	10:35:00,	day	121,	1983
0819	85	50	45.442	109	26	7.407	E-47.57-1	I-00.79-1	F	10:36:00,	day	121,	1983
0820	85	50	43.390	109	25	40.829	E-47.57-1	I-00.78-1	F	10:37:00,	day	121,	1983
0821	85	50	25.258	109	20	21.825	E-47.54-1	I-00.73-1	F	10:38:00,	day	121,	1983
0822	85	50	24.680	109	19	46.189	E-47.53-1	I-00.74-1	F	10:39:00,	day	121,	1983
0823	85	50	31.982	109	22	16.762	E-47.55-1	I-00.75-1	F	10:40:00,	day	121,	1983
0824	85	50	46.019	109	26	43.234	E-47.58-1	I-00.78-1	F	10:41:00,	day	121,	1983
0825	85	50	43.390	109	25	40.829	E-47.57-1	I-00.78-1	F	10:42:00,	day	121,	1983
0826	85	50	31.982	109	22	16.762	E-47.55-1	I-00.75-1	F	10:43:00,	day	121,	1983
0827	85	50	27.306	109	20	48.222	E-47.54-1	I-00.74-1	F	10:44:00,	day	121,	1983
0828	85	50	8.044	109	14	20.003	E-47.49-1	I-00.71-1	F	10:45:00,	day	121,	1983
0829	85	50	31.982	109	22	16.762	E-47.55-1	I-00.75-1	F	10:46:00,	day	121,	1983
0830	85	50	29.355	109	21	14.636	E-47.54-1	I-00.75-1	F	10:47:00,	day	121,	1983
0831	85	50	31.404	109	21	41.065	E-47.54-1	I-00.76-1	F	10:48:00,	day	121,	1983
0832	85	50	29.355	109	21	14.636	E-47.54-1	I-00.75-1	F	10:49:00,	day	121,	1983
0833	85	50	31.982	109	22	16.762	E-47.55-1	I-00.75-1	F	10:50:00,	day	121,	1983
0834	85	50	27.306	109	20	48.222	E-47.54-1	I-00.74-1	F	10:51:00,	day	121,	1983
0835	85	50	20.586	109	18	53.477	E-47.53-1	I-00.72-1	F	10:52:00,	day	121,	1983
0836	85	50	36.659	109	23	45.443	E-47.56-1	I-00.76-1	F	10:53:00,	day	121,	1983
0837	85	50	29.933	109	21	50.315	E-47.55-1	I-00.74-1	F	10:54:00,	day	121,	1983
0838	85	50	38.710	109	24	11.955	E-47.56-1	I-00.77-1	F	10:55:00,	day	121,	1983
0839	85	50	31.982	109	22	16.762	E-47.55-1	I-00.75-1	F	10:56:00,	day	121,	1983
0840	85	50	38.132	109	23	36.199	E-47.55-1	I-00.78-1	F	10:57:00,	day	121,	1983
0841	85	50	24.102	109	19	10.564	E-47.52-1	I-00.75-1	F	10:58:00,	day	121,	1983
0842	85	50	28.777	109	20	38.967	E-47.53-1	I-00.76-1	F	10:59:00,	day	121,	1983
0843	85	49	42.930	109	11	46.524	E-47.55-1	I-00.51-1	F	11:00:00,	day	121,	1983
0844	85	50	42.234	109	24	29.238	E-47.55-1	I-00.80-1	F	11:01:00,	day	121,	1983
0845	85	50	32.875	109	21	31.809	E-47.53-1	I-00.78-1	F	11:02:00,	day	121,	1983
0846	85	50	34.925	109	21	58.255	E-47.53-1	I-00.79-1	F	11:03:00,	day	121,	1983
0847	85	50	36.975	109	22	24.717	E-47.53-1	I-00.80-1	F	11:04:00,	day	121,	1983
0848	85	50	36.975	109	22	24.717	E-47.53-1	I-00.80-1	F	11:05:00,	day	121,	1983
0849	85	50	41.656	109	23	53.459	E-47.54-1	I-00.81-1	F	11:06:00,	day	121,	1983
0850	85	50	30.247	109	20	29.705	E-47.52-1	I-00.78-1	F	11:07:00,	day	121,	1983
0851	85	50	36.396	109	21	48.992	E-47.52-1	I-00.81-1	F	11:08:00,	day	121,	1983
0852	85	50	32.296	109	20	56.117	E-47.52-1	I-00.79-1	F	11:09:00,	day	121,	1983
0853	85	50	35.503	109	22	33.974	E-47.54-1	I-00.78-1	F	11:10:00,	day	121,	1983

0854	85	50	32.875	109	21	31.809	E-47.53-1	I-00.78-1	F	11:11:00	day 121	1983
0855	85	50	28.777	109	20	38.967	E-47.53-1	I-00.76-1	F	11:12:00	day 121	1983
0856	85	50	37.554	109	23	.453	E-47.54-1	I-00.79-1	F	11:13:00	day 121	1983
0857	85	50	46.917	109	25	58.167	E-47.56-1	I-00.81-1	F	11:14:00	day 121	1983
0858	85	50	31.404	109	21	41.065	E-47.54-1	I-00.76-1	F	11:15:00	day 121	1983
0859	85	50	40.761	109	24	38.483	E-47.56-1	I-00.78-1	F	11:16:00	day 121	1983
0860	85	50	28.777	109	20	38.967	E-47.53-1	I-00.76-1	F	11:17:00	day 121	1983
0861	85	50	35.503	109	22	33.974	E-47.54-1	I-00.78-1	F	11:18:00	day 121	1983
0862	85	50	40.183	109	24	2.710	E-47.55-1	I-00.79-1	F	11:19:00	day 121	1983
0863	85	50	37.554	109	23	.453	E-47.54-1	I-00.79-1	F	11:20:00	day 121	1983
0864	85	50	34.925	109	21	58.255	E-47.53-1	I-00.79-1	F	11:21:00	day 121	1983
0865	85	50	41.656	109	23	53.459	E-47.54-1	I-00.81-1	F	11:22:00	day 121	1983
0866	85	50	29.668	109	19	54.040	E-47.51-1	I-00.79-1	F	11:23:00	day 121	1983
0867	85	50	36.975	109	22	24.717	E-47.53-1	I-00.80-1	F	11:24:00	day 121	1983
0868	85	50	22.364	109	17	23.750	E-47.49-1	I-00.78-1	F	11:25:00	day 121	1983
0869	85	50	48.391	109	25	48.921	E-47.55-1	I-00.83-1	F	11:26:00	day 121	1983
0870	85	50	43.129	109	23	44.201	E-47.53-1	I-00.83-1	F	11:27:00	day 121	1983
0871	85	50	45.181	109	24	10.729	E-47.53-1	I-00.84-1	F	11:28:00	day 121	1983
0872	85	50	41.077	109	23	17.690	E-47.53-1	I-00.82-1	F	11:29:00	day 121	1983
0873	85	50	24.411	109	17	50.065	E-47.49-1	I-00.79-1	F	11:30:00	day 121	1983
0874	85	50	41.077	109	23	17.690	E-47.53-1	I-00.82-1	F	11:31:00	day 121	1983
0875	85	50	43.708	109	24	19.987	E-47.54-1	I-00.82-1	F	11:32:00	day 121	1983
0876	85	50	49.866	109	25	39.669	E-47.54-1	I-00.85-1	F	11:33:00	day 121	1983
0877	85	50	43.708	109	24	19.987	E-47.54-1	I-00.82-1	F	11:34:00	day 121	1983
0878	85	50	36.396	109	21	48.992	E-47.52-1	I-00.81-1	F	11:35:00	day 121	1983
0879	85	50	21.784	109	16	48.167	E-47.48-1	I-00.79-1	F	11:36:00	day 121	1983
0880	85	50	31.717	109	20	20.436	E-47.51-1	I-00.80-1	F	11:37:00	day 121	1983
0881	85	50	24.991	109	18	25.675	E-47.50-1	I-00.78-1	F	11:38:00	day 121	1983
0882	85	50	43.708	109	24	19.987	E-47.54-1	I-00.82-1	F	11:39:00	day 121	1983
0883	85	50	36.975	109	22	24.717	E-47.53-1	I-00.80-1	F	11:40:00	day 121	1983
0884	85	50	34.346	109	21	22.547	E-47.52-1	I-00.80-1	F	11:41:00	day 121	1983
0885	85	50	32.296	109	20	56.117	E-47.52-1	I-00.79-1	F	11:42:00	day 121	1983
0886	85	50	20.317	109	16	57.452	E-47.49-1	I-00.77-1	F	11:43:00	day 121	1983
0887	85	50	35.816	109	21	13.278	E-47.51-1	I-00.82-1	F	11:44:00	day 121	1983
0888	85	50	33.186	109	20	11.161	E-47.50-1	I-00.82-1	F	11:45:00	day 121	1983
0889	85	50	30.557	109	19	9.105	E-47.49-1	I-00.82-1	F	11:46:00	day 121	1983
0890	85	50	40.498	109	22	41.932	E-47.52-1	I-00.83-1	F	11:47:00	day 121	1983
0891	85	50	31.137	109	19	44.765	E-47.50-1	I-00.81-1	F	11:48:00	day 121	1983
0892	85	50	23.831	109	17	14.464	E-47.48-1	I-00.80-1	F	11:49:00	day 121	1983
0893	85	50	34.656	109	20	1.880	E-47.49-1	I-00.84-1	F	11:50:00	day 121	1983
0894	85	50	27.927	109	18	7.109	E-47.48-1	I-00.82-1	F	11:51:00	day 121	1983
0895	85	51	19.414	109	37	46.178	E-47.66-1	I-00.84-1	F	11:52:00	day 121	1983
0896	85	51	44.058	109	46	31.246	E-47.73-1	I-00.87-1	F	11:53:00	day 121	1983
0897	85	50	28.814	109	17	22.187	E-47.46-1	I-00.85-1	F	11:54:00	day 121	1983
0898	85	50	22.088	109	15	27.726	E-47.45-1	I-00.83-1	F	11:55:00	day 121	1983

0899	85 50 40.227	109 20 45.432	E-47.48-1	I-00.88-1	F 11:56:00, day 121, 1983
0900	85 50 9.231	109 12 15.019	E-47.44-1	I-00.78-1	F 11:57:00, day 121, 1983
0901	85 50 31.444	109 18 24.162	E-47.47-1	I-00.85-1	F 11:58:00, day 121, 1983
0902	85 50 27.347	109 17 31.486	E-47.47-1	I-00.83-1	F 11:59:00, day 121, 1983
0903	85 50 28.814	109 17 22.187	E-47.46-1	I-00.85-1	F 12:00:00, day 121, 1983
0904	85 50 17.413	109 13 59.721	E-47.44-1	I-00.82-1	F 12:01:00, day 121, 1983
0905	85 50 19.459	109 14 25.936	E-47.44-1	I-00.83-1	F 12:02:00, day 121, 1983
0906	85 50 8.650	109 11 39.570	E-47.43-1	I-00.79-1	F 12:03:00, day 121, 1983
0907	85 50 19.459	109 14 25.936	E-47.44-1	I-00.83-1	F 12:04:00, day 121, 1983
0908	85 50 10.112	109 11 30.250	E-47.42-1	I-00.81-1	F 12:05:00, day 121, 1983
0909	85 50 26.765	109 16 55.873	E-47.46-1	I-00.84-1	F 12:06:00, day 121, 1983
0910	85 50 14.785	109 12 58.023	E-47.43-1	I-00.82-1	F 12:07:00, day 121, 1983
0911	85 50 24.717	109 16 29.576	E-47.46-1	I-00.83-1	F 12:08:00, day 121, 1983
0912	85 50 12.739	109 12 31.856	E-47.43-1	I-00.81-1	F 12:09:00, day 121, 1983
0913	85 49 59.895	109 9 19.819	E-47.42-1	I-00.76-1	F 12:10:00, day 121, 1983
0914	85 50 26.184	109 16 20.271	E-47.45-1	I-00.85-1	F 12:11:00, day 121, 1983
0915	85 50 19.459	109 14 25.936	E-47.44-1	I-00.83-1	F 12:12:00, day 121, 1983
0916	85 50 15.367	109 13 33.521	E-47.44-1	I-00.81-1	F 12:13:00, day 121, 1983
0917	85 50 28.814	109 17 22.187	E-47.46-1	I-00.85-1	F 12:14:00, day 121, 1983
0918	85 50 17.413	109 13 59.721	E-47.44-1	I-00.82-1	F 12:15:00, day 121, 1983
0919	85 50 36.125	109 19 52.592	E-47.48-1	I-00.86-1	F 12:16:00, day 121, 1983
0920	85 50 22.971	109 14 42.851	E-47.43-1	I-00.86-1	F 12:17:00, day 121, 1983
0921	85 50 26.184	109 16 20.271	E-47.45-1	I-00.85-1	F 12:18:00, day 121, 1983
0922	85 50 26.184	109 16 20.271	E-47.45-1	I-00.85-1	F 12:19:00, day 121, 1983
0923	85 50 39.646	109 20 9.709	E-47.47-1	I-00.89-1	F 12:20:00, day 121, 1983
0924	85 50 16.831	109 13 24.206	E-47.43-1	I-00.83-1	F 12:21:00, day 121, 1983
0925	85 50 34.962	109 18 41.224	E-47.46-1	I-00.88-1	F 12:22:00, day 121, 1983
0926	85 50 30.863	109 17 48.516	E-47.46-1	I-00.86-1	F 12:23:00, day 121, 1983
0927	85 50 26.184	109 16 20.271	E-47.45-1	I-00.85-1	F 12:24:00, day 121, 1983
0928	85 50 31.444	109 18 24.162	E-47.47-1	I-00.85-1	F 12:25:00, day 121, 1983
0929	85 50 24.136	109 15 53.991	E-47.45-1	I-00.84-1	F 12:26:00, day 121, 1983
0930	85 50 35.544	109 19 16.903	E-47.47-1	I-00.87-1	F 12:27:00, day 121, 1983
0931	85 50 25.602	109 15 44.680	E-47.44-1	I-00.86-1	F 12:28:00, day 121, 1983
0932	85 49 56.092	109 10 23.111	E-47.46-1	I-00.69-1	F 13:39:00, day 121, 1983
0933	85 49 57.554	109 10 13.811	E-47.45-1	I-00.71-1	F 13:40:00, day 121, 1983
0934	85 49 52.310	109 8 11.070	E-47.43-1	I-00.71-1	F 13:41:00, day 121, 1983
0935	85 49 52.010	109 9 31.016	E-47.46-1	I-00.67-1	F 13:42:00, day 121, 1983
0936	85 50 2.798	109 12 16.789	E-47.47-1	I-00.71-1	F 13:43:00, day 121, 1983
0937	85 49 23.501	109 0 14.106	E-47.39-1	I-00.62-1	F 13:44:00, day 121, 1983
0938	85 49 37.457	109 4 34.276	E-47.42-1	I-00.65-1	F 13:45:00, day 121, 1983
0939	85 49 42.113	109 6 1.276	E-47.43-1	I-00.66-1	F 13:46:00, day 121, 1983
0940	85 49 56.092	109 10 23.111	E-47.46-1	I-00.69-1	F 13:47:00, day 121, 1983
0941	85 49 36.877	109 3 59.092	E-47.41-1	I-00.66-1	F 13:48:00, day 121, 1983
0942	85 49 48.230	109 7 19.105	E-47.43-1	I-00.69-1	F 13:49:00, day 121, 1983
0943	85 49 26.116	109 1 14.924	E-47.40-1	I-00.62-1	F 13:50:00, day 121, 1983

0944	85	49	50.851	109	8	20.381	E-47.44-1	I-00.69-1	F	13:51:00	day 121	1983
0945	85	49	41.533	109	5	26.050	E-47.42-1	I-00.67-1	F	13:52:00	day 121	1983
0946	85	49	44.152	109	6	27.203	E-47.43-1	I-00.67-1	F	13:53:00	day 121	1983
0947	85	49	50.851	109	8	20.381	E-47.44-1	I-00.69-1	F	13:54:00	day 121	1983
0948	85	49	37.457	109	4	34.276	E-47.42-1	I-00.65-1	F	13:55:00	day 121	1983
0949	85	49	34.840	109	3	33.245	E-47.41-1	I-00.65-1	F	13:56:00	day 121	1983
0950	85	49	35.420	109	4	8.413	E-47.42-1	I-00.64-1	F	13:57:00	day 121	1983
0951	85	49	31.348	109	3	16.734	E-47.42-1	I-00.62-1	F	13:58:00	day 121	1983
0952	85	49	32.803	109	3	7.414	E-47.41-1	I-00.64-1	F	13:59:00	day 121	1983
0953	85	49	42.113	109	6	1.276	E-47.43-1	I-00.66-1	F	14:00:00	day 121	1983
0954	85	49	30.187	109	2	6.474	E-47.40-1	I-00.64-1	F	14:01:00	day 121	1983
0955	85	49	26.116	109	1	14.924	E-47.40-1	I-00.62-1	F	14:02:00	day 121	1983
0956	85	49	32.222	109	2	32.273	E-47.40-1	I-00.65-1	F	14:03:00	day 121	1983
0957	85	49	24.954	109	0	4.769	E-47.38-1	I-00.64-1	F	14:04:00	day 121	1983
0958	85	49	14.207	108	57	21.348	E-47.37-1	I-00.60-1	F	14:05:00	day 121	1983
0959	85	49	34.259	109	2	58.088	E-47.40-1	I-00.66-1	F	14:06:00	day 121	1983
0960	85	49	29.605	109	1	31.360	E-47.39-1	I-00.65-1	F	14:07:00	day 121	1983
0961	85	49	43.571	109	5	51.960	E-47.42-1	I-00.68-1	F	14:08:00	day 121	1983
0962	85	49	36.877	109	3	59.092	E-47.41-1	I-00.66-1	F	14:09:00	day 121	1983
0963	85	49	24.954	109	0	4.769	E-47.38-1	I-00.64-1	F	14:10:00	day 121	1983
0964	85	49	36.877	109	3	59.092	E-47.41-1	I-00.66-1	F	14:11:00	day 121	1983
0965	85	49	45.029	109	5	42.638	E-47.41-1	I-00.70-1	F	14:12:00	day 121	1983
0966	85	49	26.989	109	0	30.505	E-47.38-1	I-00.65-1	F	14:13:00	day 121	1983
0967	85	49	36.877	109	3	59.092	E-47.41-1	I-00.66-1	F	14:14:00	day 121	1983
0968	85	49	34.259	109	2	58.088	E-47.40-1	I-00.66-1	F	14:15:00	day 121	1983
0969	85	49	38.333	109	3	49.765	E-47.40-1	I-00.68-1	F	14:16:00	day 121	1983
0970	85	49	12.461	108	55	36.465	E-47.34-1	I-00.63-1	F	14:17:00	day 121	1983
0971	85	49	32.803	109	3	7.414	E-47.41-1	I-00.64-1	F	14:18:00	day 121	1983
0972	85	49	20.305	108	58	38.317	E-47.37-1	I-00.63-1	F	14:19:00	day 121	1983
0973	85	49	17.690	108	57	37.641	E-47.36-1	I-00.63-1	F	14:20:00	day 121	1983
0974	85	49	10.724	108	57	5.063	E-47.38-1	I-00.57-1	F	14:21:00	day 121	1983
0975	85	49	22.338	108	59	4.004	E-47.37-1	I-00.64-1	F	14:22:00	day 121	1983
0976	85	49	42.990	109	5	16.728	E-47.41-1	I-00.69-1	F	14:23:00	day 121	1983
0977	85	49	19.723	108	58	3.297	E-47.36-1	I-00.64-1	F	14:24:00	day 121	1983
0978	85	49	19.723	108	58	3.297	E-47.36-1	I-00.64-1	F	14:25:00	day 121	1983
0979	85	49	21.756	108	58	28.969	E-47.36-1	I-00.65-1	F	14:26:00	day 121	1983
0980	85	49	24.372	108	59	29.708	E-47.37-1	I-00.65-1	F	14:27:00	day 121	1983
0981	85	49	29.605	109	1	31.360	E-47.39-1	I-00.65-1	F	14:28:00	day 121	1983
0982	85	49	29.024	109	0	56.255	E-47.38-1	I-00.66-1	F	14:29:00	day 121	1983
0983	85	49	21.756	108	58	28.969	E-47.36-1	I-00.65-1	F	14:30:00	day 121	1983
0984	85	49	28.442	109	0	21.161	E-47.37-1	I-00.67-1	F	14:31:00	day 121	1983
0985	85	49	13.043	108	56	11.416	E-47.35-1	I-00.62-1	F	14:32:00	day 121	1983
0986	85	49	19.723	108	58	3.297	E-47.36-1	I-00.64-1	F	14:33:00	day 121	1983
0987	85	49	31.060	109	1	22.022	E-47.38-1	I-00.67-1	F	14:34:00	day 121	1983
0988	85	49	24.372	108	59	29.708	E-47.37-1	I-00.65-1	F	14:35:00	day 121	1983

0989	85	49	7.816	108	54	10.419	E-47.33-1	I-00.62-1	F	14:36:00	day	121	1983
0990	85	49	21.756	108	58	28.969	E-47.36-1	I-00.65-1	F	14:37:00	day	121	1983
0991	85	49	33.096	109	1	47.805	E-47.38-1	I-00.68-1	F	14:38:00	day	121	1983
0992	85	49	30.477	109	0	46.912	E-47.37-1	I-00.68-1	F	14:39:00	day	121	1983
0993	85	49	33.096	109	1	47.805	E-47.38-1	I-00.68-1	F	14:40:00	day	121	1983
0994	85	49	21.756	108	58	28.969	E-47.36-1	I-00.65-1	F	14:41:00	day	121	1983
0995	85	49	28.442	109	0	21.161	E-47.37-1	I-00.67-1	F	14:42:00	day	121	1983
0996	85	49	37.169	109	2	39.417	E-47.38-1	I-00.70-1	F	14:43:00	day	121	1983
0997	85	49	25.825	108	59	20.359	E-47.36-1	I-00.67-1	F	14:44:00	day	121	1983
0998	85	48	40.294	108	47	30.372	E-47.31-1	I-00.51-1	F	14:45:00	day	121	1983
0999	85	49	26.989	109	0	30.505	E-47.38-1	I-00.65-1	F	14:46:00	day	121	1983
1000	85	49	25.242	108	58	45.301	E-47.35-1	I-00.68-1	F	14:47:00	day	121	1983
1001	85	49	25.825	108	59	20.359	E-47.36-1	I-00.67-1	F	14:48:00	day	121	1983
1002	85	49	33.967	109	1	3.328	E-47.36-1	I-00.71-1	F	14:49:00	day	121	1983
1003	85	49	31.931	109	0	37.562	E-47.36-1	I-00.70-1	F	14:50:00	day	121	1983
1004	85	49	14.493	108	56	2.058	E-47.34-1	I-00.64-1	F	14:51:00	day	121	1983
1005	85	49	27.860	108	59	46.077	E-47.36-1	I-00.68-1	F	14:52:00	day	121	1983
1006	85	49	14.493	108	56	2.058	E-47.34-1	I-00.64-1	F	14:53:00	day	121	1983
1007	85	49	30.477	109	0	46.912	E-47.37-1	I-00.68-1	F	14:54:00	day	121	1983
1008	85	49	27.860	108	59	46.077	E-47.36-1	I-00.68-1	F	14:55:00	day	121	1983
1009	85	49	27.860	108	59	46.077	E-47.36-1	I-00.68-1	F	14:56:00	day	121	1983
1010	85	49	28.442	109	0	21.161	E-47.37-1	I-00.67-1	F	14:57:00	day	121	1983
1011	85	49	27.860	108	59	46.077	E-47.36-1	I-00.68-1	F	14:58:00	day	121	1983
1012	85	49	28.442	109	0	21.161	E-47.37-1	I-00.67-1	F	14:59:00	day	121	1983
1013	85	49	11.878	108	55	1.525	E-47.33-1	I-00.64-1	F	15:00:00	day	121	1983
1014	85	49	34.550	109	1	38.460	E-47.37-1	I-00.70-1	F	15:01:00	day	121	1983
1015	85	49	29.895	109	0	11.812	E-47.36-1	I-00.69-1	F	15:02:00	day	121	1983
1016	85	49	27.860	108	59	46.077	E-47.36-1	I-00.68-1	F	15:03:00	day	121	1983
1017	85	49	33.096	109	1	47.805	E-47.38-1	I-00.68-1	F	15:04:00	day	121	1983
1018	85	49	41.827	109	4	6.294	E-47.39-1	I-00.71-1	F	15:05:00	day	121	1983
1019	85	49	23.208	108	58	19.615	E-47.35-1	I-00.67-1	F	15:06:00	day	121	1983
1020	85	49	34.550	109	1	38.460	E-47.37-1	I-00.70-1	F	15:07:00	day	121	1983
1021	85	49	43.865	109	4	32.172	E-47.39-1	I-00.72-1	F	15:08:00	day	121	1983
1022	85	49	41.827	109	4	6.294	E-47.39-1	I-00.71-1	F	15:09:00	day	121	1983
1023	85	49	25.242	108	58	45.301	E-47.35-1	I-00.68-1	F	15:18:24	day	121	1983
1024	85	49	34.550	109	1	38.460	E-47.37-1	I-00.70-1	F	15:19:00	day	121	1983
1025	85	49	34.550	109	1	38.460	E-47.37-1	I-00.70-1	F	15:20:00	day	121	1983
1026	85	49	45.322	109	4	22.831	E-47.38-1	I-00.74-1	F	15:21:00	day	121	1983
1027	85	49	38.624	109	2	30.072	E-47.37-1	I-00.72-1	F	15:22:00	day	121	1983
1028	85	49	38.624	109	2	30.072	E-47.37-1	I-00.72-1	F	15:23:00	day	121	1983
1029	85	49	40.662	109	2	55.901	E-47.37-1	I-00.73-1	F	15:24:00	day	121	1983
1030	85	49	41.244	109	3	31.092	E-47.38-1	I-00.72-1	F	15:25:00	day	121	1983
1031	85	49	43.865	109	4	32.172	E-47.39-1	I-00.72-1	F	15:26:00	day	121	1983
1032	85	49	43.865	109	4	32.172	E-47.39-1	I-00.72-1	F	15:27:00	day	121	1983
1033	85	49	35.132	109	2	13.603	E-47.38-1	I-00.69-1	F	15:28:00	day	121	1983

1034	85	49	45.904	109	4	58.065	E-47.39-1	I-00.73-1	F	15:29:00,	day	121,	1983
1035	85	49	40.662	109	2	55.901	E-47.37-1	I-00.73-1	F	15:30:00,	day	121,	1983
1036	85	49	50.566	109	6	25.177	E-47.40-1	I-00.74-1	F	15:31:00,	day	121,	1983
1037	85	49	43.865	109	4	32.172	E-47.39-1	I-00.72-1	F	15:32:00,	day	121,	1983
1038	85	49	38.624	109	2	30.072	E-47.37-1	I-00.72-1	F	15:33:00,	day	121,	1983
1039	85	49	52.606	109	6	51.135	E-47.40-1	I-00.75-1	F	15:34:00,	day	121,	1983
1040	85	49	49.983	109	5	49.900	E-47.39-1	I-00.75-1	F	15:35:00,	day	121,	1983
1041	85	49	30.477	109	0	46.912	E-47.37-1	I-00.68-1	F	15:36:00,	day	121,	1983
1042	85	49	41.244	109	3	31.092	E-47.38-1	I-00.72-1	F	15:37:00,	day	121,	1983
1043	85	49	54.647	109	7	17.108	E-47.40-1	I-00.76-1	F	15:38:00,	day	121,	1983
1044	85	49	49.983	109	5	49.900	E-47.39-1	I-00.75-1	F	15:39:00,	day	121,	1983
1045	85	49	40.662	109	2	55.901	E-47.37-1	I-00.73-1	F	15:40:00,	day	121,	1983
1046	85	49	45.322	109	4	22.831	E-47.38-1	I-00.74-1	F	15:41:00,	day	121,	1983
1047	85	49	44.739	109	3	47.607	E-47.37-1	I-00.75-1	F	15:42:00,	day	121,	1983
1048	85	49	38.041	109	1	54.907	E-47.36-1	I-00.73-1	F	15:43:00,	day	121,	1983
1049	85	49	45.322	109	4	22.831	E-47.38-1	I-00.74-1	F	15:44:00,	day	121,	1983
1050	85	49	42.700	109	3	21.746	E-47.37-1	I-00.74-1	F	15:45:00,	day	121,	1983
1051	85	49	49.983	109	5	49.900	E-47.39-1	I-00.75-1	F	15:46:00,	day	121,	1983
1052	85	49	47.944	109	5	23.975	E-47.39-1	I-00.74-1	F	15:47:00,	day	121,	1983
1053	85	49	40.079	109	2	20.720	E-47.36-1	I-00.74-1	F	15:48:00,	day	121,	1983
1054	85	49	42.117	109	2	46.549	E-47.36-1	I-00.75-1	F	15:49:00,	day	121,	1983
1055	85	49	52.606	109	6	51.135	E-47.40-1	I-00.75-1	F	15:50:00,	day	121,	1983
1056	85	49	36.004	109	1	29.109	E-47.36-1	I-00.72-1	F	15:51:00,	day	121,	1983
1057	85	49	43.283	109	3	56.954	E-47.38-1	I-00.73-1	F	15:52:00,	day	121,	1983
1058	85	49	39.495	109	1	45.549	E-47.35-1	I-00.75-1	F	15:53:00,	day	121,	1983
1059	85	49	35.421	109	0	53.971	E-47.35-1	I-00.73-1	F	15:54:00,	day	121,	1983
1060	85	49	40.662	109	2	55.901	E-47.37-1	I-00.73-1	F	15:55:00,	day	121,	1983
1061	85	49	44.155	109	3	12.394	E-47.36-1	I-00.76-1	F	15:56:00,	day	121,	1983
1062	85	49	28.729	108	59	1.642	E-47.34-1	I-00.71-1	F	15:57:00,	day	121,	1983
1063	85	49	47.361	109	4	48.724	E-47.38-1	I-00.75-1	F	15:58:00,	day	121,	1983
1064	85	49	36.004	109	1	29.109	E-47.36-1	I-00.72-1	F	16:00:55,	day	121,	1983
1065	85	49	44.155	109	3	12.394	E-47.36-1	I-00.76-1	F	16:02:00,	day	121,	1983
1066	85	49	47.361	109	4	48.724	E-47.38-1	I-00.75-1	F	16:03:00,	day	121,	1983
1067	85	49	42.117	109	2	46.549	E-47.36-1	I-00.75-1	F	16:04:00,	day	121,	1983
1068	85	49	52.898	109	5	31.210	E-47.37-1	I-00.79-1	F	16:05:00,	day	121,	1983
1069	85	49	46.778	109	4	13.484	E-47.37-1	I-00.76-1	F	16:06:00,	day	121,	1983
1070	85	49	37.458	109	1	19.752	E-47.35-1	I-00.74-1	F	16:07:00,	day	121,	1983
1071	85	49	39.495	109	1	45.549	E-47.35-1	I-00.75-1	F	16:08:00,	day	121,	1983
1072	85	49	48.234	109	4	4.131	E-47.36-1	I-00.78-1	F	16:09:00,	day	121,	1983
1073	85	49	48.234	109	4	4.131	E-47.36-1	I-00.78-1	F	16:10:00,	day	121,	1983
1074	85	49	50.858	109	5	5.286	E-47.37-1	I-00.78-1	F	16:11:00,	day	121,	1983
1075	85	49	53.482	109	6	6.499	E-47.38-1	I-00.78-1	F	16:12:00,	day	121,	1983
1076	85	49	35.421	109	0	53.971	E-47.35-1	I-00.73-1	F	16:13:00,	day	121,	1983
1077	85	49	46.778	109	4	13.484	E-47.37-1	I-00.76-1	F	16:14:00,	day	121,	1983
1078	85	49	46.778	109	4	13.484	E-47.37-1	I-00.76-1	F	16:15:00,	day	121,	1983

1079	85 49 46.778	109 4 13.484	E-47.37-1	I-00.76-1	F 16:16:00, day 121, 1983
1080	85 49 34.837	109 0 18.843	E-47.34-1	I-00.74-1	F 16:17:00, day 121, 1983
1081	85 49 46.778	109 4 13.484	E-47.37-1	I-00.76-1	F 16:18:00, day 121, 1983
1082	85 49 43.572	109 2 37.191	E-47.35-1	I-00.77-1	F 16:19:00, day 121, 1983
1083	85 49 50.858	109 5 5.286	E-47.37-1	I-00.78-1	F 16:20:00, day 121, 1983
1084	85 49 39.495	109 1 45.549	E-47.35-1	I-00.75-1	F 16:21:00, day 121, 1983
1085	85 49 53.482	109 6 6.499	E-47.38-1	I-00.78-1	F 16:22:00, day 121, 1983
1086	85 49 46.195	109 3 38.255	E-47.36-1	I-00.77-1	F 16:23:00, day 121, 1983
1087	85 49 42.117	109 2 46.549	E-47.36-1	I-00.75-1	F 16:24:00, day 121, 1983
1088	85 49 57.564	109 6 58.429	E-47.38-1	I-00.80-1	F 16:25:00, day 121, 1983
1089	85 49 48.818	109 4 39.377	E-47.37-1	I-00.77-1	F 16:26:00, day 121, 1983
1090	85 49 54.939	109 5 57.151	E-47.37-1	I-00.80-1	F 16:27:00, day 121, 1983
1091	85 49 52.314	109 4 55.932	E-47.36-1	I-00.80-1	F 16:28:00, day 121, 1983
1092	85 50 .190	109 7 59.766	E-47.39-1	I-00.80-1	F 16:29:00, day 121, 1983
1093	85 49 50.858	109 5 5.286	E-47.37-1	I-00.78-1	F 16:30:00, day 121, 1983
1094	85 50 .190	109 7 59.766	E-47.39-1	I-00.80-1	F 16:31:00, day 121, 1983
1095	85 49 46.778	109 4 13.484	E-47.37-1	I-00.76-1	F 16:32:00, day 121, 1983
1096	85 49 48.234	109 4 4.131	E-47.36-1	I-00.78-1	F 16:33:00, day 121, 1983
1097	85 49 36.290	109 0 9.474	E-47.33-1	I-00.76-1	F 16:34:00, day 121, 1983
1098	85 49 59.607	109 7 24.418	E-47.38-1	I-00.81-1	F 16:35:00, day 121, 1983
1099	85 49 24.659	108 58 10.254	E-47.34-1	I-00.69-1	F 16:37:08, day 121, 1983
1100	85 49 44.155	109 3 12.394	E-47.36-1	I-00.76-1	F 16:38:00, day 121, 1983
1101	85 49 36.874	109 0 44.608	E-47.34-1	I-00.75-1	F 16:39:00, day 121, 1983
1102	85 49 25.526	108 57 25.844	E-47.32-1	I-00.72-1	F 16:40:00, day 121, 1983
1103	85 49 36.874	109 0 44.608	E-47.34-1	I-00.75-1	F 16:41:00, day 121, 1983
1104	85 49 56.981	109 6 23.107	E-47.37-1	I-00.81-1	F 16:42:00, day 121, 1983
1105	85 50 9.530	109 10 54.805	E-47.41-1	I-00.82-1	F 16:43:00, day 121, 1983
1106	85 49 54.939	109 5 57.151	E-47.37-1	I-00.80-1	F 16:44:00, day 121, 1983
1107	85 49 32.216	108 59 17.992	E-47.33-1	I-00.74-1	F 16:45:00, day 121, 1983
1108	85 49 36.290	109 0 9.474	E-47.33-1	I-00.76-1	F 16:46:00, day 121, 1983
1109	85 49 53.771	109 4 46.572	E-47.35-1	I-00.82-1	F 16:47:00, day 121, 1983
1110	85 49 47.650	109 3 28.895	E-47.35-1	I-00.79-1	F 16:48:00, day 121, 1983
1111	85 49 58.439	109 6 13.752	E-47.36-1	I-00.83-1	F 16:49:00, day 121, 1983
1112	85 49 52.314	109 4 55.932	E-47.36-1	I-00.80-1	F 16:50:00, day 121, 1983
1113	85 50 3.692	109 8 16.443	E-47.38-1	I-00.83-1	F 16:51:00, day 121, 1983
1114	85 49 47.650	109 3 28.895	E-47.35-1	I-00.79-1	F 16:52:00, day 121, 1983
1115	85 49 34.253	108 59 43.725	E-47.33-1	I-00.75-1	F 16:53:00, day 121, 1983
1116	85 49 49.690	109 3 54.772	E-47.35-1	I-00.80-1	F 16:54:00, day 121, 1983
1117	85 49 54.355	109 5 21.856	E-47.36-1	I-00.81-1	F 16:55:00, day 121, 1983
1118	85 49 43.572	109 2 37.191	E-47.35-1	I-00.77-1	F 16:56:00, day 121, 1983
1119	85 49 47.650	109 3 28.895	E-47.35-1	I-00.79-1	F 16:57:00, day 121, 1983
1120	85 49 55.812	109 5 12.495	E-47.35-1	I-00.83-1	F 16:58:00, day 121, 1983
1121	85 50 54.036	109 19 57.336	E-47.40-1	I-01.05-1	F 16:59:00, day 121, 1983
1122	85 50 22.100	109 12 11.350	E-47.38-1	I-00.92-1	F 17:00:00, day 121, 1983
1123	85 50 10.408	109 10 10.031	E-47.39-1	I-00.85-1	F 17:01:00, day 121, 1983

1124	85	49	58.439	109	6	13.752	E-47.36-1	I-00.83-1	F	17:02:00	day	121	1983
1125	85	49	45.896	109	1	43.250	E-47.32-1	I-00.82-1	F	17:03:00	day	121	1983
1126	85	49	50.274	109	4	30.024	E-47.36-1	I-00.79-1	F	17:04:00	day	121	1983
1127	85	49	36.290	109	0	9.474	E-47.33-1	I-00.76-1	F	17:05:00	day	121	1983
1128	85	49	43.572	109	2	37.191	E-47.35-1	I-00.77-1	F	17:06:00	day	121	1983
1129	85	49	22.600	108	54	30.783	E-47.27-1	I-00.77-1	F	17:07:00	day	121	1983
1130	85	50	13.036	109	11	11.589	E-47.40-1	I-00.85-1	F	17:08:00	day	121	1983
1131	85	49	42.988	109	2	1.998	E-47.34-1	I-00.78-1	F	17:09:00	day	121	1983
1132	85	49	24.942	108	56	50.812	E-47.31-1	I-00.73-1	F	17:10:00	day	121	1983
1133	85	49	47.066	109	2	53.670	E-47.34-1	I-00.80-1	F	17:11:00	day	121	1983
1134	85	49	46.195	109	3	38.255	E-47.36-1	I-00.77-1	F	17:12:00	day	121	1983
1135	85	49	51.730	109	4	20.664	E-47.35-1	I-00.81-1	F	17:13:00	day	121	1983
1136	85	49	15.053	108	53	23.510	E-47.28-1	I-00.72-1	F	17:14:00	day	121	1983
1137	85	50	13.620	109	11	47.057	E-47.41-1	I-00.84-1	F	17:15:00	day	121	1983
1138	85	50	19.758	109	13	5.555	E-47.41-1	I-00.87-1	F	17:16:00	day	121	1983
1139	85	50	15.082	109	11	37.723	E-47.40-1	I-00.86-1	F	17:17:00	day	121	1983
1140	85	51	.487	109	16	37.924	E-47.30-1	I-01.21-1	F	17:18:00	day	121	1983
1141	85	49	38.911	109	1	10.389	E-47.34-1	I-00.76-1	F	17:19:00	day	121	1983
1142	85	49	35.705	108	59	34.350	E-47.32-1	I-00.77-1	F	17:20:00	day	121	1983
1143	85	49	30.181	108	58	52.275	E-47.33-1	I-00.73-1	F	17:21:00	day	121	1983
1144	85	49	57.854	109	5	38.435	E-47.35-1	I-00.84-1	F	17:22:00	day	121	1983
1145	85	50	4.276	109	8	51.824	E-47.39-1	I-00.82-1	F	17:23:00	day	121	1983
1146	85	50	7.779	109	9	8.532	E-47.38-1	I-00.85-1	F	17:24:00	day	121	1983
1147	85	50	3.692	109	8	16.443	E-47.38-1	I-00.83-1	F	17:25:00	day	121	1983
1148	85	49	33.384	109	0	28.206	E-47.35-1	I-00.72-1	F	17:26:00	day	121	1983
1149	85	49	56.981	109	6	23.107	E-47.37-1	I-00.81-1	F	17:27:00	day	121	1983
1150	85	49	26.110	108	58	.887	E-47.33-1	I-00.71-1	F	17:28:00	day	121	1983
1151	85	49	36.290	109	0	9.474	E-47.33-1	I-00.76-1	F	17:29:00	day	121	1983
1152	85	49	42.988	109	2	1.998	E-47.34-1	I-00.78-1	F	17:30:00	day	121	1983
1153	85	49	59.607	109	7	24.418	E-47.38-1	I-00.81-1	F	17:31:00	day	121	1983
1154	85	49	52.601	109	3	36.033	E-47.33-1	I-00.84-1	F	17:32:00	day	121	1983
1155	85	49	59.896	109	6	4.391	E-47.35-1	I-00.85-1	F	17:33:00	day	121	1983
1156	85	49	19.704	108	54	49.581	E-47.29-1	I-00.73-1	F	17:34:00	day	121	1983
1157	85	50	7.195	109	8	33.129	E-47.37-1	I-00.86-1	F	17:35:00	day	121	1983
1158	85	48	34.224	108	46	14.528	E-47.31-1	I-00.48-1	F	17:36:00	day	121	1983
1159	85	48	40.594	108	49	23.796	E-47.35-1	I-00.46-1	F	17:37:00	day	121	1983
1160	85	49	51.430	109	2	25.537	E-47.31-1	I-00.86-1	F	17:38:00	day	121	1983
1161	85	49	6.066	108	52	25.754	E-47.30-1	I-00.65-1	F	17:39:00	day	121	1983
1162	85	50	46.991	109	19	23.141	E-47.42-1	I-00.99-1	F	17:40:00	day	121	1983
1163	85	50	27.067	109	15	35.363	E-47.43-1	I-00.88-1	F	17:41:00	day	121	1983
1164	85	51	43.480	109	30	36.882	E-47.40-1	I-01.29-1	F	17:42:00	day	121	1983
1165	85	51	57.056	109	27	50.557	E-47.28-1	I-01.51-1	F	17:43:00	day	121	1983
1166	85	52	56.369	109	45	3.924	E-47.37-1	I-01.68-1	F	17:44:00	day	121	1983
1167	85	53	13.330	109	50	43.906	E-47.41-1	I-01.71-1	F	17:45:00	day	121	1983
1168	85	53	19.896	109	50	43.423	E-47.38-1	I-01.78-1	F	17:46:00	day	121	1983

1169	85	52	27.265	109	38	41.916	E-47.37-1	I-01.54-1	F	17:47:00,	day	121,	1983
1170	85	52	58.452	109	45	31.340	E-47.37-1	I-01.69-1	F	17:48:00,	day	121,	1983
1171	85	54	18.811	110	5	45.374	E-47.42-1	I-02.01-1	F	17:49:00,	day	121,	1983
1172	85	52	44.478	109	39	34.349	E-47.31-1	I-01.70-1	F	17:50:00,	day	121,	1983
1173	85	51	51.445	109	27	6.394	E-47.29-1	I-01.47-1	F	17:51:00,	day	121,	1983
1174	85	52	24.589	109	34	16.974	E-47.29-1	I-01.63-1	F	17:52:00,	day	121,	1983
1175	85	53	4.406	109	44	53.777	E-47.33-1	I-01.77-1	F	17:53:00,	day	121,	1983
1176	85	51	21.949	109	20	17.187	E-47.28-1	I-01.34-1	F	17:54:00,	day	121,	1983
1177	85	52	51.018	109	42	55.670	E-47.35-1	I-01.68-1	F	17:55:00,	day	121,	1983
1178	85	52	48.638	109	40	28.851	E-47.31-1	I-01.72-1	F	17:56:00,	day	121,	1983
1179	85	52	5.336	109	29	37.932	E-47.28-1	I-01.55-1	F	17:57:00,	day	121,	1983
1180	85	52	31.417	109	39	36.283	E-47.37-1	I-01.56-1	F	17:58:00,	day	121,	1983
1181	85	52	50.718	109	44	18.520	E-47.38-1	I-01.64-1	F	17:59:00,	day	121,	1983
1182	85	52	25.184	109	34	53.450	E-47.30-1	I-01.62-1	F	18:00:00,	day	121,	1983
1183	85	52	35.869	109	39	8.129	E-47.34-1	I-01.62-1	F	18:01:00,	day	121,	1983
1184	85	52	33.490	109	36	41.838	E-47.30-1	I-01.66-1	F	18:02:00,	day	121,	1983
1185	85	52	32.308	109	38	50.329	E-47.35-1	I-01.59-1	F	18:03:00,	day	121,	1983
1186	85	52	43.882	109	38	57.707	E-47.30-1	I-01.71-1	F	18:04:00,	day	121,	1983
1187	85	54	6.836	110	0	8.429	E-47.36-1	I-02.03-1	F	18:05:00,	day	121,	1983
1188	85	54	53.990	110	2	46.232	E-47.20-1	I-02.46-1	F	18:06:00,	day	121,	1983
1189	85	56	15.389	110	27	4.266	E-47.32-1	I-02.69-1	F	18:07:00,	day	121,	1983
1190	85	57	8.333	110	44	17.093	E-47.42-1	I-02.81-1	F	18:08:00,	day	121,	1983
1191	85	56	6.281	110	24	29.870	E-47.31-1	I-02.66-1	F	18:09:00,	day	121,	1983
1192	85	56	17.202	110	28	59.697	E-47.35-1	I-02.66-1	F	18:10:00,	day	121,	1983
1193	85	55	12.981	110	17	25.719	E-47.41-1	I-02.28-1	F	18:11:00,	day	121,	1983
1194	85	56	9.616	110	26	15.634	E-47.33-1	I-02.65-1	F	18:12:00,	day	121,	1983
1195	85	55	54.147	110	22	14.784	E-47.32-1	I-02.59-1	F	18:13:00,	day	121,	1983
1196	85	55	57.477	110	24	.255	E-47.34-1	I-02.58-1	F	18:14:00,	day	121,	1983
1197	85	54	50.396	110	9	22.280	E-47.35-1	I-02.25-1	F	18:15:00,	day	121,	1983
1198	85	56	20.853	110	29	19.404	E-47.34-1	I-02.69-1	F	18:16:00,	day	121,	1983
1199	85	56	16.282	110	29	47.585	E-47.37-1	I-02.63-1	F	18:17:00,	day	121,	1983
1200	85	56	44.570	110	36	46.443	E-47.38-1	I-02.75-1	F	18:18:00,	day	121,	1983
1201	85	55	21.466	110	12	22.697	E-47.27-1	I-02.50-1	F	18:19:00,	day	121,	1983
1202	85	55	6.047	110	15	22.044	E-47.40-1	I-02.26-1	F	18:20:00,	day	121,	1983
1203	85	53	37.800	109	55	39.177	E-47.40-1	I-01.84-1	F	18:21:00,	day	121,	1983
1204	85	52	59.346	109	44	45.157	E-47.35-1	I-01.72-1	F	18:22:00,	day	121,	1983
1205	85	52	45.371	109	42	10.416	E-47.36-1	I-01.64-1	F	18:23:00,	day	121,	1983
1206	85	53	39.580	109	57	30.680	E-47.43-1	I-01.81-1	F	18:24:00,	day	121,	1983
1207	85	52	13.623	109	31	25.575	E-47.28-1	I-01.59-1	F	18:25:00,	day	121,	1983
1208	85	53	37.511	109	53	38.391	E-47.36-1	I-01.89-1	F	18:26:00,	day	121,	1983
1209	85	54	13.106	110	4	58.431	E-47.43-1	I-01.97-1	F	18:27:00,	day	121,	1983
1210	85	53	28.535	109	54	34.595	E-47.42-1	I-01.77-1	F	18:28:00,	day	121,	1983
1211	85	53	8.575	109	45	48.657	E-47.33-1	I-01.79-1	F	18:29:00,	day	121,	1983
1212	85	53	25.260	109	52	52.754	E-47.40-1	I-01.78-1	F	18:30:00,	day	121,	1983
1213	85	52	41.806	109	41	52.501	E-47.37-1	I-01.61-1	F	18:31:00,	day	121,	1983

1214	85	52	33.791	109	38	40.938	E-47.34-1	I-01.61-1	F	18:32:00,	day	121,	1983
1215	85	52	29.931	109	36	24.132	E-47.31-1	I-01.63-1	F	18:33:00,	day	121,	1983
1216	85	52	52.505	109	42	46.277	E-47.34-1	I-01.70-1	F	18:34:00,	day	121,	1983
1217	85	53	23.478	109	47	37.916	E-47.30-1	I-01.90-1	F	18:35:00,	day	121,	1983
1218	85	52	20.439	109	33	22.915	E-47.29-1	I-01.61-1	F	18:36:00,	day	121,	1983
1219	85	54	7.738	109	59	21.663	E-47.34-1	I-02.06-1	F	18:37:00,	day	121,	1983
1220	85	52	36.163	109	37	45.552	E-47.31-1	I-01.66-1	F	18:38:00,	day	121,	1983
1221	85	52	34.680	109	37	54.962	E-47.32-1	I-01.64-1	F	18:39:00,	day	121,	1983
1222	85	53	32.429	109	53	29.424	E-47.38-1	I-01.84-1	F	18:40:00,	day	121,	1983
1223	85	53	38.317	109	42	39.254	E-47.13-1	I-02.19-1	F	18:41:00,	day	121,	1983
1224	85	55	28.409	110	17	55.382	E-47.35-1	I-02.43-1	F	18:42:00,	day	121,	1983
1225	85	56	34.232	110	32	53.082	E-47.35-1	I-02.74-1	F	18:43:00,	day	121,	1983
1226	85	56	58.906	110	39	33.696	E-47.37-1	I-02.83-1	F	18:44:00,	day	121,	1983
1227	85	56	55.878	110	36	19.460	E-47.32-1	I-02.88-1	F	18:45:00,	day	121,	1983
1228	85	56	59.226	110	38	6.566	E-47.34-1	I-02.87-1	F	18:46:00,	day	121,	1983
1229	85	57	10.799	110	43	19.384	E-47.39-1	I-02.86-1	F	18:47:00,	day	121,	1983
1230	85	56	57.090	110	37	37.118	E-47.34-1	I-02.86-1	F	18:48:00,	day	121,	1983
1231	85	57	23.964	110	44	49.929	E-47.36-1	I-02.96-1	F	18:49:00,	day	121,	1983
1232	85	55	38.400	110	16	11.323	E-47.27-1	I-02.58-1	F	18:50:00,	day	121,	1983
1233	85	57	4.105	110	39	44.425	E-47.35-1	I-02.88-1	F	18:51:00,	day	121,	1983
1234	85	57	3.783	110	41	11.647	E-47.38-1	I-02.84-1	F	18:52:00,	day	121,	1983
1235	85	56	41.230	110	34	59.620	E-47.36-1	I-02.76-1	F	18:53:00,	day	121,	1983
1236	85	56	49.762	110	36	57.070	E-47.36-1	I-02.80-1	F	18:54:00,	day	121,	1983
1237	85	56	29.653	110	33	21.241	E-47.38-1	I-02.68-1	F	18:55:00,	day	121,	1983
1238	85	56	38.494	110	33	51.617	E-47.35-1	I-02.76-1	F	18:56:00,	day	121,	1983
1239	85	56	54.030	110	37	55.909	E-47.36-1	I-02.82-1	F	18:57:00,	day	121,	1983
1240	85	57	22.101	110	46	26.874	E-47.40-1	I-02.90-1	F	18:58:00,	day	121,	1983
1241	85	56	.822	110	22	15.364	E-47.29-1	I-02.66-1	F	18:59:00,	day	121,	1983
1242	85	56	44.285	110	34	40.828	E-47.34-1	I-02.80-1	F	19:00:00,	day	121,	1983
1243	85	56	12.950	110	28	1.539	E-47.35-1	I-02.64-1	F	19:01:00,	day	121,	1983
1244	85	56	53.425	110	37	17.088	E-47.35-1	I-02.83-1	F	19:02:00,	day	121,	1983
1245	85	55	56.873	110	23	21.946	E-47.33-1	I-02.59-1	F	19:03:00,	day	121,	1983
1246	85	56	39.415	110	33	3.533	E-47.33-1	I-02.79-1	F	19:04:00,	day	121,	1983
1247	85	56	52.500	110	38	5.294	E-47.37-1	I-02.80-1	F	19:05:00,	day	121,	1983
1248	85	57	12.334	110	43	10.014	E-47.38-1	I-02.88-1	F	19:06:00,	day	121,	1983
1249	85	57	57.621	110	55	44.149	E-47.42-1	I-03.04-1	F	19:07:00,	day	121,	1983
1250	85	56	48.552	110	35	39.515	E-47.34-1	I-02.82-1	F	19:08:00,	day	121,	1983
1251	85	57	11.124	110	41	52.030	E-47.36-1	I-02.90-1	F	19:09:00,	day	121,	1983
1252	85	56	29.972	110	31	54.622	E-47.35-1	I-02.72-1	F	19:10:00,	day	121,	1983
1253	85	57	17.489	110	46	54.920	E-47.43-1	I-02.84-1	F	19:11:00,	day	121,	1983
1254	85	57	3.726	110	44	45.100	E-47.45-1	I-02.75-1	F	19:12:00,	day	121,	1983
1255	85	58	5.009	110	56	25.687	E-47.40-1	I-03.10-1	F	19:13:00,	day	121,	1983
1256	85	56	39.728	110	31	36.774	E-47.30-1	I-02.83-1	F	19:14:00,	day	121,	1983
1257	85	55	22.350	110	18	32.919	E-47.39-1	I-02.35-1	F	19:15:00,	day	121,	1983
1258	85	54	18.834	110	2	19.176	E-47.35-1	I-02.10-1	F	19:16:00,	day	121,	1983

1259	85 55	7.560	110 15	12.676	E-47.39-1	I-02.28-1	F	19:17:00,	day 121,	1983
1260	85 54	8.626	110 2	.597	E-47.39-1	I-02.00-1	F	19:18:00,	day 121,	1983
1261	85 53	16.323	109 47	1.699	E-47.32-1	I-01.84-1	F	19:19:00,	day 121,	1983
1262	85 54	11.321	110 3	6.073	E-47.40-1	I-02.00-1	F	19:20:00,	day 121,	1983
1263	85 55	14.773	110 19	19.689	E-47.44-1	I-02.25-1	F	19:21:00,	day 121,	1983
1264	85 53	36.610	109 54	24.898	E-47.38-1	I-01.86-1	F	19:22:00,	day 121,	1983
1265	85 53	28.553	109 51	10.538	E-47.35-1	I-01.86-1	F	19:23:00,	day 121,	1983
1266	85 53	51.856	109 58	16.867	E-47.39-1	I-01.92-1	F	19:24:00,	day 121,	1983
1267	85 53	42.578	109 57	11.983	E-47.41-1	I-01.85-1	F	19:25:00,	day 121,	1983
1268	85 52	26.968	109 36	42.945	E-47.33-1	I-01.59-1	F	19:26:00,	day 121,	1983
1269	85 53	38.106	109 54	15.521	E-47.37-1	I-01.88-1	F	19:27:00,	day 121,	1983
1270	85 54	18.527	110 3	43.515	E-47.38-1	I-02.06-1	F	19:28:00,	day 121,	1983
1271	85 53	30.934	109 53	38.795	E-47.39-1	I-01.82-1	F	19:29:00,	day 121,	1983
1272	85 55	18.674	110 21	42.497	E-47.47-1	I-02.23-1	F	19:30:00,	day 121,	1983
1273	85 55	12.382	110 16	47.752	E-47.40-1	I-02.29-1	F	19:31:00,	day 121,	1983
1274	85 56	24.504	110 29	39.123	E-47.33-1	I-02.72-1	F	19:32:00,	day 121,	1983
1275	85 55	41.124	110 17	18.112	E-47.28-1	I-02.58-1	F	19:33:00,	day 121,	1983
1276	85 56	37.283	110 32	34.275	E-47.33-1	I-02.78-1	F	19:34:00,	day 121,	1983
1277	85 55	19.332	110 8	25.672	E-47.20-1	I-02.58-1	F	19:35:00,	day 121,	1983
1278	85 57	43.800	110 53	32.582	E-47.44-1	I-02.95-1	F	19:36:00,	day 121,	1983
1279	85 56	10.231	110 23	23.179	E-47.27-1	I-02.73-1	F	19:37:00,	day 121,	1983
1280	85 55	56.560	110 24	47.970	E-47.36-1	I-02.55-1	F	19:38:00,	day 121,	1983
1281	85 54	46.450	110 0	6.559	E-47.18-1	I-02.45-1	F	19:39:00,	day 121,	1983
1282	85 56	45.812	110 34	31.422	E-47.33-1	I-02.82-1	F	19:40:00,	day 121,	1983
1283	85 57	2.286	110 37	47.748	E-47.32-1	I-02.91-1	F	19:41:00,	day 121,	1983
1284	85 57	15.723	110 41	23.837	E-47.33-1	I-02.96-1	F	19:42:00,	day 121,	1983
1285	85 56	40.625	110 34	20.913	E-47.35-1	I-02.77-1	F	19:43:00,	day 121,	1983
1286	85 57	12.051	110 41	3.659	E-47.34-1	I-02.93-1	F	19:44:00,	day 121,	1983
1287	85 56	31.810	110 30	18.597	E-47.31-1	I-02.78-1	F	19:45:00,	day 121,	1983
1288	85 56	19.345	110 25	57.508	E-47.28-1	I-02.76-1	F	19:46:00,	day 121,	1983
1289	85 55	58.080	110 24	38.576	E-47.35-1	I-02.57-1	F	19:47:00,	day 121,	1983
1290	85 56	50.080	110 35	30.109	E-47.33-1	I-02.84-1	F	19:48:00,	day 121,	1983
1291	85 57	51.782	110 54	53.333	E-47.43-1	I-03.00-1	F	19:49:00,	day 121,	1983
1292	85 56	50.686	110 36	8.887	E-47.34-1	I-02.83-1	F	19:50:00,	day 121,	1983
1293	85 58	46.888	111 5	12.650	E-47.38-1	I-03.32-1	F	19:51:00,	day 121,	1983
1294	85 57	23.069	110 42	4.230	E-47.31-1	I-03.02-1	F	19:52:00,	day 121,	1983
1295	85 56	46.418	110 35	10.162	E-47.34-1	I-02.81-1	F	19:53:00,	day 121,	1983
1296	85 57	6.524	110 42	20.162	E-47.39-1	I-02.84-1	F	19:54:00,	day 121,	1983
1297	85 57	17.863	110 41	53.439	E-47.33-1	I-02.97-1	F	19:55:00,	day 121,	1983
1298	85 58	48.971	111 9	21.349	E-47.45-1	I-03.24-1	F	19:56:00,	day 121,	1983
1299	85 57	17.489	110 46	54.920	E-47.43-1	I-02.84-1	F	19:57:00,	day 121,	1983
1300	85 57	14.190	110 41	33.241	E-47.34-1	I-02.94-1	F	19:58:00,	day 121,	1983
1301	85 57	24.845	110 47	35.759	E-47.41-1	I-02.90-1	F	19:59:00,	day 121,	1983
1302	85 56	39.379	110 36	35.809	E-47.40-1	I-02.70-1	F	20:00:00,	day 121,	1983
1303	85 57	24.512	110 49	3.390	E-47.44-1	I-02.86-1	F	20:01:00,	day 121,	1983

1304	85	56	26.273	110	35	6.569	E-47.43-1	I-02.60-1	F	20:02:00,	day	121,	1983
1305	85	56	22.080	110	27	5.033	E-47.29-1	I-02.76-1	F	20:03:00,	day	121,	1983
1306	85	55	46.267	110	20	57.717	E-47.33-1	I-02.54-1	F	20:04:00,	day	121,	1983
1307	85	55	33.861	110	16	39.648	E-47.30-1	I-02.52-1	F	20:05:00,	day	121,	1983
1308	85	54	51.904	110	5	45.407	E-47.27-1	I-02.36-1	F	20:06:00,	day	121,	1983
1309	85	53	28.553	109	51	10.538	E-47.35-1	I-01.86-1	F	20:07:00,	day	121,	1983
1310	85	54	42.855	110	10	9.182	E-47.40-1	I-02.15-1	F	20:08:00,	day	121,	1983
1311	85	53	55.735	110	0	36.667	E-47.42-1	I-01.90-1	F	20:09:00,	day	121,	1983
1312	85	53	30.006	109	44	13.309	E-47.20-1	I-02.06-1	F	20:10:00,	day	121,	1983
1313	85	52	32.864	109	32	43.802	E-47.22-1	I-01.76-1	F	20:11:00,	day	121,	1983
1314	85	53	33.926	109	49	55.851	E-47.30-1	I-01.95-1	F	20:12:00,	day	121,	1983
1315	85	52	55.770	109	41	4.576	E-47.29-1	I-01.78-1	F	20:13:00,	day	121,	1983
1316	85	53	34.520	109	53	57.152	E-47.38-1	I-01.85-1	F	20:14:00,	day	121,	1983
1317	85	54	4.442	109	57	39.029	E-47.32-1	I-02.07-1	F	20:15:00,	day	121,	1983
1318	85	52	59.936	109	41	59.214	E-47.29-1	I-01.80-1	F	20:16:00,	day	121,	1983
1319	85	52	29.336	109	35	47.610	E-47.30-1	I-01.64-1	F	20:17:00,	day	121,	1983
1320	85	53	44.386	109	52	14.223	E-47.30-1	I-02.00-1	F	20:18:00,	day	121,	1983
1321	85	53	13.041	109	45	20.415	E-47.30-1	I-01.85-1	F	20:19:00,	day	121,	1983
1322	85	54	59.119	110	13	18.654	E-47.39-1	I-02.24-1	F	20:20:00,	day	121,	1983
1323	85	53	47.677	109	53	56.297	E-47.32-1	I-01.99-1	F	20:21:00,	day	121,	1983
1324	85	53	23.478	109	47	37.916	E-47.30-1	I-01.90-1	F	20:22:00,	day	121,	1983
1325	85	54	2.641	109	59	12.497	E-47.36-1	I-02.01-1	F	20:23:00,	day	121,	1983
1326	85	55	32.952	110	17	27.159	E-47.32-1	I-02.49-1	F	20:24:00,	day	121,	1983
1327	85	56	52.820	110	36	38.278	E-47.34-1	I-02.84-1	F	20:25:00,	day	121,	1983
1328	85	57	53.381	110	51	8.383	E-47.35-1	I-03.11-1	F	20:26:00,	day	121,	1983
1329	85	58	28.414	110	59	49.948	E-47.36-1	I-03.26-1	F	20:27:00,	day	121,	1983
1330	85	57	28.569	110	44	21.738	E-47.33-1	I-03.02-1	F	20:28:00,	day	121,	1983
1331	85	56	19.643	110	28	2.387	E-47.32-1	I-02.71-1	F	20:29:00,	day	121,	1983
1332	85	54	54.302	110	11	43.955	E-47.38-1	I-02.23-1	F	20:30:00,	day	121,	1983
1333	85	53	23.172	109	52	25.078	E-47.40-1	I-01.77-1	F	20:31:00,	day	121,	1983
1334	85	52	24.597	109	37	38.239	E-47.36-1	I-01.54-1	F	20:32:00,	day	121,	1983
1335	85	51	16.373	109	22	52.026	E-47.36-1	I-01.21-1	F	20:33:00,	day	121,	1983
1336	85	50	9.528	109	7	39.004	E-47.34-1	I-00.91-1	F	20:34:00,	day	121,	1983
1337	85	50	10.961	109	4	13.898	E-47.26-1	I-01.02-1	F	20:35:00,	day	121,	1983
1338	85	49	46.481	109	2	18.455	E-47.33-1	I-00.81-1	F	20:36:00,	day	121,	1983
1339	85	49	26.669	108	55	21.977	E-47.27-1	I-00.79-1	F	20:37:00,	day	121,	1983
1340	85	50	54.036	109	19	57.336	E-47.40-1	I-01.05-1	F	20:38:00,	day	121,	1983
1341	85	49	52.314	109	4	55.932	E-47.36-1	I-00.80-1	F	20:39:00,	day	121,	1983
1342	85	50	54.623	109	17	15.498	E-47.34-1	I-01.13-1	F	20:40:00,	day	121,	1983
1343	85	51	45.837	109	26	22.290	E-47.30-1	I-01.43-1	F	20:41:00,	day	121,	1983
1344	85	53	2.308	109	41	3.570	E-47.26-1	I-01.85-1	F	20:42:00,	day	121,	1983
1345	85	52	28.144	109	34	34.599	E-47.28-1	I-01.66-1	F	20:43:00,	day	121,	1983
1346	85	54	7.733	109	55	56.084	E-47.27-1	I-02.15-1	F	20:44:00,	day	121,	1983
1347	85	52	32.540	109	30	44.866	E-47.18-1	I-01.81-1	F	20:45:00,	day	121,	1983
1348	85	53	44.386	109	52	14.223	E-47.30-1	I-02.00-1	F	20:46:00,	day	121,	1983

1349	85	53	44.686	109	54	15.112	E-47.34-1	I-01.95-1	F	20:47:00	, day 121, 1983
1350	85	53	43.186	109	50	59.956	E-47.28-1	I-02.02-1	F	20:48:00	, day 121, 1983
1351	85	53	21.681	109	45	47.061	E-47.27-1	I-01.93-1	F	20:49:00	, day 121, 1983
1352	85	54	14.633	109	57	57.175	E-47.28-1	I-02.17-1	F	20:50:00	, day 121, 1983
1353	85	52	56.059	109	39	41.693	E-47.26-1	I-01.82-1	F	20:51:00	, day 121, 1983
1354	85	54	25.984	110	9	49.618	E-47.47-1	I-01.98-1	F	20:52:00	, day 121, 1983
1355	85	54	19.730	109	58	6.234	E-47.26-1	I-02.22-1	F	20:53:00	, day 121, 1983
1356	85	53	42.875	109	48	59.177	E-47.24-1	I-02.07-1	F	20:54:00	, day 121, 1983
1357	85	54	44.675	110	8	35.026	E-47.36-1	I-02.21-1	F	20:55:00	, day 121, 1983
1358	85	56	10.824	110	27	32.488	E-47.35-1	I-02.63-1	F	20:56:00	, day 121, 1983
1359	85	57	17.542	110	43	20.893	E-47.36-1	I-02.93-1	F	20:57:00	, day 121, 1983
1360	85	58	53.368	111	6	44.228	E-47.38-1	I-03.35-1	F	20:58:00	, day 121, 1983
1361	85	57	45.401	110	49	47.976	E-47.36-1	I-03.06-1	F	20:59:00	, day 121, 1983
1362	85	58	28.608	111	5	35.697	E-47.47-1	I-03.12-1	F	21:00:00	, day 121, 1983
1363	85	58	31.449	111	3	8.487	E-47.41-1	I-03.21-1	F	21:01:00	, day 121, 1983
1364	85	59	14.309	111	14	50.016	E-47.44-1	I-03.37-1	F	21:02:00	, day 121, 1983
1365	86	0	2.855	111	15	49.701	E-47.24-1	I-03.85-1	F	21:03:00	, day 121, 1983
1366	86	1	24.775	111	44	4.247	E-47.40-1	I-04.02-1	F	21:04:00	, day 121, 1983
1367	86	0	53.251	111	33	44.390	E-47.35-1	I-03.94-1	F	21:05:00	, day 121, 1983
1368	86	1	57.104	111	51	25.519	E-47.39-1	I-04.18-1	F	21:06:00	, day 121, 1983
1369	85	59	59.075	111	19	9.294	E-47.32-1	I-03.73-1	F	21:07:00	, day 121, 1983
1370	85	59	8.229	111	8	9.110	E-47.34-1	I-03.47-1	F	21:08:00	, day 121, 1983
1371	85	58	6.481	110	59	52.614	E-47.46-1	I-03.03-1	F	21:09:00	, day 121, 1983
1372	85	58	5.088	110	45	37.806	E-47.19-1	I-03.37-1	F	21:10:00	, day 121, 1983
1373	85	57	57.955	110	54	15.938	E-47.39-1	I-03.08-1	F	21:11:00	, day 121, 1983
1374	85	57	23.358	110	44	10.841	E-47.35-1	I-02.97-1	F	21:12:00	, day 121, 1983
1375	85	56	32.416	110	30	57.200	E-47.32-1	I-02.77-1	F	21:13:00	, day 121, 1983
1376	85	55	35.000	110	24	54.836	E-47.46-1	I-02.32-1	F	21:14:00	, day 121, 1983
1377	85	53	24.970	109	50	52.287	E-47.36-1	I-01.83-1	F	21:15:00	, day 121, 1983
1378	85	53	48.573	109	53	9.694	E-47.30-1	I-02.02-1	F	21:16:00	, day 121, 1983
1379	85	53	33.629	109	51	19.396	E-47.33-1	I-01.91-1	F	21:17:00	, day 121, 1983
1380	85	51	2.979	109	7	47.024	E-47.10-1	I-01.48-1	F	21:18:00	, day 121, 1983
1381	85	50	25.900	109	11	7.734	E-47.34-1	I-00.99-1	F	21:19:00	, day 121, 1983
1382	85	51	14.300	109	19	7.095	E-47.29-1	I-01.29-1	F	21:20:00	, day 121, 1983
1383	85	52	2.018	109	41	20.337	E-47.54-1	I-01.20-1	F	21:21:00	, day 121, 1983
1384	85	51	28.443	109	26	53.289	E-47.39-1	I-01.23-1	F	21:22:00	, day 121, 1983
1385	85	51	6.371	109	19	18.230	E-47.33-1	I-01.20-1	F	21:23:00	, day 121, 1983
1386	85	51	18.134	109	21	21.363	E-47.32-1	I-01.27-1	F	21:24:00	, day 121, 1983
1387	85	50	46.689	109	20	43.972	E-47.45-1	I-00.95-1	F	21:25:00	, day 121, 1983
1388	85	50	33.807	109	14	13.063	E-47.37-1	I-00.99-1	F	21:26:00	, day 121, 1983
1389	85	50	27.336	109	7	41.962	E-47.26-1	I-01.10-1	F	21:27:00	, day 121, 1983
1390	85	50	49.044	109	19	49.567	E-47.42-1	I-01.00-1	F	21:28:00	, day 121, 1983
1391	85	48	13.664	108	36	58.999	E-47.20-1	I-00.52-1	F	21:29:00	, day 121, 1983
1392	85	49	28.390	108	53	53.111	E-47.23-1	I-00.85-1	F	21:30:00	, day 121, 1983
1393	85	48	38.863	108	50	51.877	E-47.39-1	I-00.40-1	F	21:31:00	, day 121, 1983

1394	85 47 44.950	108 36 56.318	E-47.33-1	I-00.21-1	F	21:32:00,	day 121,	1983
1395	85 46 6.902	108 13 47.366	E-47.26-1	H-23.81-1	F	21:33:00,	day 121,	1983
1396	85 46 34.251	108 21 59.849	E-47.32-1	H-23.87-1	F	21:34:00,	day 121,	1983
1397	85 47 29.741	108 36 3.438	E-47.38-1	I-00.07-1	F	21:35:00,	day 121,	1983
1398	85 46 36.790	108 19 50.691	E-47.26-1	H-23.96-1	F	21:36:00,	day 121,	1983
1399	85 47 50.421	108 40 47.044	E-47.39-1	I-00.16-1	F	21:37:00,	day 121,	1983
1400	85 48 7.972	108 47 9.368	E-47.45-1	I-00.17-1	F	21:38:00,	day 121,	1983
1401	85 48 .393	108 33 20.789	E-47.18-1	I-00.48-1	F	21:39:00,	day 121,	1983
1402	85 49 59.876	109 2 49.076	E-47.28-1	I-00.94-1	F	21:40:00,	day 121,	1983
1403	85 52 1.479	109 37 23.314	E-47.46-1	I-01.30-1	F	21:41:00,	day 121,	1983
1404	85 51 8.714	109 24 59.990	E-47.44-1	I-01.07-1	F	21:42:00,	day 121,	1983
1405	85 50 21.192	109 6 23.818	E-47.26-1	I-01.07-1	F	21:43:00,	day 121,	1983
1406	85 52 13.335	109 32 47.760	E-47.31-1	I-01.55-1	F	21:44:00,	day 121,	1983
1407	85 51 11.372	109 22 44.183	E-47.38-1	I-01.16-1	F	21:45:00,	day 121,	1983
1408	85 49 3.727	108 50 6.344	E-47.26-1	I-00.69-1	F	21:46:00,	day 121,	1983
1409	85 47 18.786	108 10 7.497	E-46.85-1	I-00.70-1	F	21:47:00,	day 121,	1983
1410	85 46 27.777	107 38 58.919	E-46.37-1	I-01.07-1	F	21:48:00,	day 121,	1983
1411	85 45 36.225	107 22 7.731	E-46.21-1	I-01.02-1	F	21:49:00,	day 121,	1983
1412	85 44 46.565	107 15 11.341	E-46.27-1	I-00.69-1	F	21:50:00,	day 121,	1983
1413	85 44 57.636	107 18 9.035	E-46.29-1	I-00.72-1	F	21:51:00,	day 121,	1983
1414	85 45 7.646	107 18 47.314	E-46.26-1	I-00.81-1	F	21:52:00,	day 121,	1983
1415	85 44 23.992	107 7 31.420	E-46.19-1	I-00.68-1	F	21:53:00,	day 121,	1983
1416	85 46 27.165	107 38 25.750	E-46.36-1	I-01.08-1	F	21:54:00,	day 121,	1983
1417	85 46 5.569	107 31 38.608	E-46.30-1	I-01.05-1	F	21:55:00,	day 121,	1983
1418	85 45 59.893	107 27 57.934	E-46.24-1	I-01.10-1	F	21:56:00,	day 121,	1983
1419	85 44 28.531	107 8 48.242	E-46.20-1	I-00.69-1	F	21:57:00,	day 121,	1983
1420	85 46 5.420	107 32 54.455	E-46.33-1	I-01.01-1	F	21:58:00,	day 121,	1983
1421	85 45 34.106	107 23 .278	E-46.24-1	I-00.97-1	F	21:59:00,	day 121,	1983
1422	85 44 21.284	107 7 51.203	E-46.21-1	I-00.64-1	F	22:00:00,	day 121,	1983
1423	85 44 47.634	107 17 30.804	E-46.32-1	I-00.63-1	F	22:01:00,	day 121,	1983
1424	85 45 57.765	107 28 50.660	E-46.27-1	I-01.05-1	F	22:02:00,	day 121,	1983
1425	85 46 6.329	107 30 55.739	E-46.28-1	I-01.08-1	F	22:03:00,	day 121,	1983
1426	85 46 20.401	107 32 21.516	E-46.25-1	I-01.19-1	F	22:04:00,	day 121,	1983
1427	85 46 54.325	107 38 56.813	E-46.25-1	I-01.36-1	F	22:05:00,	day 121,	1983
1428	85 47 8.970	107 47 54.907	E-46.39-1	I-01.25-1	F	22:06:00,	day 121,	1983
1429	85 46 10.009	107 34 13.737	E-46.34-1	I-01.02-1	F	22:07:00,	day 121,	1983
1430	85 45 42.503	107 26 19.878	E-46.28-1	I-00.96-1	F	22:08:00,	day 121,	1983
1431	85 47 5.122	107 45 50.910	E-46.36-1	I-01.27-1	F	22:09:00,	day 121,	1983
1432	85 45 47.695	107 28 11.389	E-46.30-1	I-00.96-1	F	22:10:00,	day 121,	1983
1433	85 46 46.658	107 40 29.628	E-46.32-1	I-01.23-1	F	22:11:00,	day 121,	1983
1434	85 46 33.448	107 37 3.151	E-46.30-1	I-01.19-1	F	22:12:00,	day 121,	1983
1435	85 44 50.919	107 12 12.359	E-46.18-1	I-00.83-1	F	22:13:00,	day 121,	1983
1436	85 45 34.244	107 21 44.945	E-46.21-1	I-01.01-1	F	22:14:00,	day 121,	1983
1437	85 46 28.228	107 35 10.339	E-46.28-1	I-01.19-1	F	22:15:00,	day 121,	1983
1438	85 47 12.817	107 44 18.020	E-46.29-1	I-01.40-1	F	22:16:00,	day 121,	1983

1439	85	45	53.500	107	30	36.006	E-46.33-1	I-00.95-1	F	22:17:00	day	121	1983
1440	85	45	37.454	107	23	13.183	E-46.23-1	I-01.00-1	F	22:18:00	day	121	1983
1441	85	46	24.710	107	36	13.168	E-46.32-1	I-01.12-1	F	22:19:00	day	121	1983
1442	85	47	1.420	107	42	30.404	E-46.30-1	I-01.33-1	F	22:20:00	day	121	1983
1443	85	46	29.925	107	38	6.003	E-46.34-1	I-01.12-1	F	22:21:00	day	121	1983
1444	85	46	37.750	107	40	55.653	E-46.37-1	I-01.12-1	F	22:22:00	day	121	1983
1445	85	47	3.272	107	44	10.614	E-46.33-1	I-01.30-1	F	22:23:00	day	121	1983
1446	85	45	58.083	107	31	55.037	E-46.34-1	I-00.96-1	F	22:24:00	day	121	1983
1447	85	44	17.624	107	4	38.309	E-46.15-1	I-00.70-1	F	22:25:00	day	121	1983
1448	85	45	50.719	107	25	20.431	E-46.22-1	I-01.08-1	F	22:26:00	day	121	1983
1449	85	47	27.764	107	45	2.573	E-46.24-1	I-01.54-1	F	22:27:00	day	121	1983
1450	85	46	34.827	107	36	53.245	E-46.29-1	I-01.21-1	F	22:28:00	day	121	1983
1451	85	45	45.243	107	26	.086	E-46.26-1	I-01.00-1	F	22:29:00	day	121	1983
1452	85	46	58.945	107	40	16.927	E-46.26-1	I-01.37-1	F	22:30:00	day	121	1983
1453	85	45	59.606	107	30	29.413	E-46.30-1	I-01.02-1	F	22:31:00	day	121	1983
1454	85	45	24.679	107	22	54.260	E-46.28-1	I-00.87-1	F	22:32:00	day	121	1983
1455	85	45	56.247	107	30	16.258	E-46.31-1	I-00.99-1	F	22:33:00	day	121	1983
1456	85	45	20.112	107	21	36.081	E-46.27-1	I-00.86-1	F	22:34:00	day	121	1983
1457	85	46	40.666	107	39	19.518	E-46.32-1	I-01.20-1	F	22:35:00	day	121	1983
1458	85	45	45.711	107	27	48.433	E-46.30-1	I-00.95-1	F	22:36:00	day	121	1983
1459	85	45	22.369	107	19	28.511	E-46.21-1	I-00.95-1	F	22:37:00	day	121	1983
1460	85	46	6.943	107	31	28.715	E-46.29-1	I-01.07-1	F	22:38:00	day	121	1983
1461	85	46	19.497	107	34	20.543	E-46.30-1	I-01.12-1	F	22:39:00	day	121	1983
1462	85	46	22.718	107	35	49.936	E-46.32-1	I-01.11-1	F	22:40:00	day	121	1983
1463	85	45	29.532	107	21	42.005	E-46.23-1	I-00.96-1	F	22:41:00	day	121	1983
1464	85	45	45.856	107	26	32.898	E-46.27-1	I-00.99-1	F	22:42:00	day	121	1983
1465	85	46	9.076	107	30	35.925	E-46.26-1	I-01.12-1	F	22:43:00	day	121	1983
1466	85	45	29.392	107	22	57.276	E-46.26-1	I-00.92-1	F	22:44:00	day	121	1983
1467	85	46	13.376	107	34	27.028	E-46.33-1	I-01.05-1	F	22:45:00	day	121	1983
1468	85	45	47.840	107	26	55.825	E-46.27-1	I-01.00-1	F	22:46:00	day	121	1983
1469	85	45	23.596	107	20	33.762	E-46.23-1	I-00.93-1	F	22:47:00	day	121	1983
1470	85	45	35.945	107	24	38.469	E-46.27-1	I-00.94-1	F	22:48:00	day	121	1983
1471	85	46	14.285	107	32	28.129	E-46.28-1	I-01.12-1	F	22:49:00	day	121	1983
1472	85	45	26.187	107	21	29.150	E-46.24-1	I-00.93-1	F	22:50:00	day	121	1983
1473	85	45	38.068	107	23	45.923	E-46.24-1	I-00.99-1	F	22:51:00	day	121	1983
1474	85	45	32.739	107	23	10.183	E-46.25-1	I-00.95-1	F	22:52:00	day	121	1983
1475	85	45	47.226	107	26	22.998	E-46.26-1	I-01.01-1	F	22:53:00	day	121	1983
1476	85	45	53.320	107	26	16.185	E-46.23-1	I-01.08-1	F	22:54:00	day	121	1983
1477	85	45	49.824	107	27	18.765	E-46.27-1	I-01.01-1	F	22:55:00	day	121	1983
1478	85	45	44.015	107	24	54.491	E-46.24-1	I-01.02-1	F	22:56:00	day	121	1983
1479	85	46	26.551	107	37	52.590	E-46.35-1	I-01.09-1	F	22:57:00	day	121	1983
1480	85	45	33.492	107	22	27.567	E-46.23-1	I-00.98-1	F	22:58:00	day	121	1983
1481	85	46	4.194	107	31	48.495	E-46.31-1	I-01.03-1	F	22:59:00	day	121	1983
1482	85	45	47.840	107	26	55.825	E-46.27-1	I-01.00-1	F	23:00:00	day	121	1983
1483	85	46	1.593	107	30	52.464	E-46.30-1	I-01.03-1	F	23:01:00	day	121	1983

1484	85	46	12.910	107	32	38.031	E-46.29-1	I-01.10-1	F	23:02:00	, day 121, 1983
1485	85	46	14.139	107	33	44.099	E-46.31-1	I-01.08-1	F	23:03:00	, day 121, 1983
1486	85	46	1.593	107	30	52.464	E-46.30-1	I-01.03-1	F	23:04:00	, day 121, 1983
1487	85	45	57.765	107	28	50.660	E-46.27-1	I-01.05-1	F	23:05:00	, day 121, 1983
1488	85	45	57.765	107	28	50.660	E-46.27-1	I-01.05-1	F	23:06:00	, day 121, 1983
1489	85	45	39.908	107	25	24.200	E-46.27-1	I-00.96-1	F	23:07:00	, day 121, 1983
1490	85	45	52.565	107	26	58.955	E-46.25-1	I-01.05-1	F	23:08:00	, day 121, 1983
1491	85	45	4.722	107	14	49.883	E-46.18-1	I-00.90-1	F	23:09:00	, day 121, 1983
1492	85	46	24.858	107	34	57.032	E-46.29-1	I-01.16-1	F	23:10:00	, day 121, 1983
1493	85	46	23.481	107	35	6.934	E-46.30-1	I-01.14-1	F	23:11:00	, day 121, 1983
1494	85	45	53.794	107	28	4.685	E-46.27-1	I-01.03-1	F	23:12:00	, day 121, 1983
1495	85	46	17.506	107	33	57.368	E-46.30-1	I-01.11-1	F	23:13:00	, day 121, 1983
1496	85	46	16.129	107	34	7.261	E-46.31-1	I-01.09-1	F	23:14:00	, day 121, 1983
1497	85	46	20.726	107	35	26.718	E-46.32-1	I-01.10-1	F	23:15:00	, day 121, 1983
1498	85	46	20.111	107	34	53.626	E-46.31-1	I-01.11-1	F	23:16:00	, day 121, 1983
1499	85	45	45.243	107	26	.086	E-46.26-1	I-01.00-1	F	23:17:00	, day 121, 1983
1500	85	45	51.950	107	26	26.104	E-46.24-1	I-01.06-1	F	23:18:00	, day 121, 1983
1501	85	45	51.809	107	27	41.718	E-46.27-1	I-01.02-1	F	23:19:00	, day 121, 1983
1502	85	46	5.569	107	31	38.608	E-46.30-1	I-01.05-1	F	23:20:00	, day 121, 1983
1503	85	45	43.400	107	24	21.708	E-46.23-1	I-01.03-1	F	23:21:00	, day 121, 1983
1504	85	46	1.124	107	29	3.761	E-46.26-1	I-01.08-1	F	23:22:00	, day 121, 1983
1505	85	45	12.620	107	16	20.188	E-46.18-1	I-00.94-1	F	23:23:00	, day 121, 1983
1506	85	45	27.690	107	20	4.013	E-46.20-1	I-00.99-1	F	23:24:00	, day 121, 1983
1507	85	45	35.473	107	22	50.368	E-46.23-1	I-00.99-1	F	23:25:00	, day 121, 1983
1508	85	45	48.735	107	24	57.536	E-46.22-1	I-01.07-1	F	23:26:00	, day 121, 1983
1509	85	45	28.918	107	21	9.332	E-46.22-1	I-00.97-1	F	23:27:00	, day 121, 1983
1510	85	45	56.393	107	29	.559	E-46.28-1	I-01.03-1	F	23:28:00	, day 121, 1983
1511	85	46	4.955	107	31	5.638	E-46.29-1	I-01.06-1	F	23:29:00	, day 121, 1983
1512	85	46	34.528	107	39	25.831	E-46.35-1	I-01.13-1	F	23:30:00	, day 121, 1983
1513	85	45	44.015	107	24	54.491	E-46.24-1	I-01.02-1	F	23:31:00	, day 121, 1983
1514	85	45	40.050	107	24	8.766	E-46.24-1	I-01.00-1	F	23:32:00	, day 121, 1983
1515	85	46	17.506	107	33	57.368	E-46.30-1	I-01.11-1	F	23:33:00	, day 121, 1983
1516	85	45	55.165	107	27	54.782	E-46.26-1	I-01.05-1	F	23:34:00	, day 121, 1983
1517	85	45	39.436	107	23	36.011	E-46.23-1	I-01.01-1	F	23:35:00	, day 121, 1983
1518	85	46	46.351	107	43	2.602	E-46.38-1	I-01.15-1	F	23:36:00	, day 121, 1983
1519	85	45	22.369	107	19	28.511	E-46.21-1	I-00.95-1	F	23:37:00	, day 121, 1983
1520	85	45	46.612	107	25	50.182	E-46.25-1	I-01.02-1	F	23:38:00	, day 121, 1983
1521	85	45	39.436	107	23	36.011	E-46.23-1	I-01.01-1	F	23:39:00	, day 121, 1983
1522	85	46	18.882	107	33	47.470	E-46.29-1	I-01.13-1	F	23:40:00	, day 121, 1983
1523	85	46	.980	107	30	19.523	E-46.29-1	I-01.04-1	F	23:41:00	, day 121, 1983
1524	85	46	26.851	107	35	20.247	E-46.29-1	I-01.17-1	F	23:42:00	, day 121, 1983
1525	85	46	1.739	107	29	36.689	E-46.27-1	I-01.07-1	F	23:43:00	, day 121, 1983
1526	85	45	51.809	107	27	41.718	E-46.27-1	I-01.02-1	F	23:44:00	, day 121, 1983
1527	85	45	58.379	107	29	23.568	E-46.28-1	I-01.04-1	F	23:45:00	, day 121, 1983
1528	85	46	16.891	107	33	24.310	E-46.29-1	I-01.12-1	F	23:46:00	, day 121, 1983

1529	85 46 39.900	107 40 2.654	E-46.34-1	I-01.17-1	F	23:47:00, day 121, 1983
1530	85 46 22.103	107 35 16.829	E-46.31-1	I-01.12-1	F	23:48:00, day 121, 1983
1531	85 46 46.506	107 41 46.109	E-46.35-1	I-01.19-1	F	23:49:00, day 121, 1983
1532	85 45 57.907	107 27 34.956	E-46.24-1	I-01.09-1	F	23:50:00, day 121, 1983
1533	85 46 20.726	107 35 26.718	E-46.32-1	I-01.10-1	F	23:51:00, day 121, 1983
1534	85 46 .509	107 28 30.843	E-46.25-1	I-01.09-1	F	23:52:00, day 121, 1983
1535	85 46 5.714	107 30 22.773	E-46.27-1	I-01.09-1	F	23:53:00, day 121, 1983
1536	85 46 6.943	107 31 28.715	E-46.29-1	I-01.07-1	F	23:54:00, day 121, 1983
1537	85 46 10.306	107 31 41.907	E-46.28-1	I-01.10-1	F	23:55:00, day 121, 1983
1538	85 46 37.904	107 39 39.296	E-46.34-1	I-01.16-1	F	23:56:00, day 121, 1983
1539	85 45 55.305	107 26 39.121	E-46.23-1	I-01.09-1	F	23:57:00, day 121, 1983
1540	85 46 8.317	107 31 18.816	E-46.28-1	I-01.09-1	F	23:58:00, day 121, 1983
1541	85 46 17.506	107 33 57.368	E-46.30-1	I-01.11-1	F	23:59:00, day 121, 1983
1542	85 45 47.982	107 25 40.271	E-46.24-1	I-01.04-1	F	0:00:00, day 122, 1983
1543	85 45 46.612	107 25 50.182	E-46.25-1	I-01.02-1	F	0:01:00, day 122, 1983
1544	85 45 47.367	107 25 7.458	E-46.23-1	I-01.05-1	F	0:02:00, day 122, 1983
1545	85 46 21.913	107 30 55.534	E-46.21-1	I-01.25-1	F	0:03:00, day 122, 1983
1546	85 45 45.383	107 24 44.576	E-46.23-1	I-01.04-1	F	0:04:00, day 122, 1983
1547	85 45 57.907	107 27 34.956	E-46.24-1	I-01.09-1	F	0:05:00, day 122, 1983
1548	85 45 36.839	107 22 40.452	E-46.22-1	I-01.01-1	F	0:06:00, day 122, 1983
1549	85 45 57.765	107 28 50.660	E-46.27-1	I-01.05-1	F	0:07:00, day 122, 1983
1550	85 46 9.076	107 30 35.925	E-46.26-1	I-01.12-1	F	0:08:00, day 122, 1983
1551	85 45 39.436	107 23 36.011	E-46.23-1	I-01.01-1	F	0:09:00, day 122, 1983
1552	85 45 13.848	107 17 25.268	E-46.20-1	I-00.92-1	F	0:10:00, day 122, 1983
1553	85 45 41.418	107 23 58.853	E-46.23-1	I-01.02-1	F	0:11:00, day 122, 1983
1554	85 45 38.206	107 22 30.530	E-46.21-1	I-01.03-1	F	0:12:00, day 122, 1983
1555	85 45 37.454	107 23 13.183	E-46.23-1	I-01.00-1	F	0:13:00, day 122, 1983
1556	85 45 57.765	107 28 50.660	E-46.27-1	I-01.05-1	F	0:14:00, day 122, 1983
1557	85 45 37.591	107 21 57.804	E-46.20-1	I-01.04-1	F	0:15:00, day 122, 1983
1558	85 45 43.400	107 24 21.708	E-46.23-1	I-01.03-1	F	0:16:00, day 122, 1983
1559	85 45 25.711	107 19 41.296	E-46.20-1	I-00.98-1	F	0:17:00, day 122, 1983
1560	85 45 41.418	107 23 58.853	E-46.23-1	I-01.02-1	F	0:18:00, day 122, 1983
1561	85 45 34.635	107 17 59.011	E-46.12-1	I-01.13-1	F	0:19:00, day 122, 1983
1562	85 45 34.635	107 17 59.011	E-46.12-1	I-01.13-1	F	0:20:00, day 122, 1983

#DE01\$ T=00004 IS ON CR DW USING 00757 BLKS R=0000

0001	DECCA POSNS AT 1 MIN INTVL (120-21:0:34 TO 122-0:20:0) 1560 RECS																
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORthing	EASTING	ERNOR	EREAS	ERRAD	ERR-AZ	RED	GREEN	ERRED	ERGRN		
0003	1983	120	21	0	120.87539	85.82673	250.81644	2152314.	1562209.	299.	71.	308.	13.4	240.45	89.56	-.07	.05
0004	1983	120	21	0	120.87541	85.83966	250.57192	2153703.	1564219.	1688.	2081.	2680.	51.0	240.55	89.66	.03	.15
0005	1983	120	21	2	120.87639	85.84096	250.54725	2153842.	1564422.	1828.	2283.	2925.	51.3	240.56	89.67	.04	.16
0006	1983	120	21	3	120.87708	85.84210	250.53248	2153912.	1564581.	1898.	2442.	3093.	52.1	240.58	89.67	.06	.16
0007	1983	120	21	4	120.87778	85.83707	250.62114	2153424.	1563816.	1410.	1677.	2191.	49.9	240.53	89.64	.01	.13
0008	1983	120	21	5	120.87847	85.83439	250.64791	2153319.	1563463.	1306.	1324.	1860.	45.4	240.47	89.65	-.05	.14
0009	1983	120	21	6	120.87917	85.82849	250.76273	2152660.	1562538.	647.	399.	760.	31.7	240.43	89.60	-.09	.09
0010	1983	120	21	7	120.87986	85.83480	250.65046	2153284.	1563499.	1272.	1360.	1862.	46.9	240.49	89.64	-.03	.13
0011	1983	120	21	8	120.88056	85.83796	250.59400	2153598.	1563981.	1586.	1842.	2431.	49.3	240.52	89.66	-.00	.15
0012	1983	120	21	9	120.88125	85.83512	250.63071	2153423.	1563585.	1411.	1446.	2021.	45.7	240.47	89.66	-.05	.15
0013	1983	120	21	10	120.88194	85.84267	250.52509	2153947.	1564660.	1936.	2521.	3179.	52.5	240.59	89.67	.07	.16
0014	1983	120	21	11	120.88264	85.83982	250.56200	2153772.	1564263.	1761.	2123.	2759.	50.3	240.54	89.67	.02	.16
0015	1983	120	21	12	120.88333	85.83553	250.63326	2153389.	1563621.	1378.	1482.	2024.	47.1	240.49	89.65	-.03	.14
0016	1983	120	21	13	120.88403	85.83796	250.59400	2153598.	1563981.	1587.	1842.	2432.	49.2	240.52	89.66	-.01	.15
0017	1983	120	21	14	120.88472	85.83764	250.61380	2153459.	1563895.	1449.	1755.	2276.	50.5	240.54	89.64	.01	.13
0018	1983	120	21	15	120.88542	85.83391	250.67751	2153111.	1563334.	1101.	1194.	1624.	47.3	240.50	89.62	-.03	.11
0019	1983	120	21	16	120.88611	85.83852	250.58664	2153633.	1564061.	1624.	1921.	2515.	49.8	240.53	89.66	.00	.15
0020	1983	120	21	17	120.88681	85.84380	250.51029	2154018.	1564819.	2009.	2679.	3349.	53.1	240.61	89.67	.08	.16
0021	1983	120	21	18	120.88750	85.83593	250.63581	2153354.	1563657.	1346.	1517.	2028.	48.4	240.51	89.64	-.02	.13
0022	1983	120	21	19	120.88819	85.83723	250.61125	2153493.	1563859.	1485.	1719.	2271.	49.2	240.52	89.65	-.01	.14
0023	1983	120	21	20	120.88889	85.82591	250.81132	2152383.	1562138.	375.	-3.	375.	359.5	240.41	89.58	-.12	.07
0024	1983	120	21	21	120.88958	85.83407	250.66764	2153180.	1563377.	1173.	1236.	1704.	46.5	240.49	89.63	-.04	.12
0025	1983	120	21	22	120.89028	85.84023	250.56455	2153738.	1564299.	1731.	2158.	2766.	51.3	240.56	89.66	.03	.16
0026	1983	120	21	23	120.89097	85.83262	250.70197	2152972.	1563133.	965.	992.	1384.	45.8	240.49	89.61	-.04	.11
0027	1983	120	21	24	120.89167	85.83335	250.68481	2153076.	1563255.	1070.	1114.	1544.	46.2	240.49	89.62	-.04	.12
0028	1983	120	21	25	120.89236	85.83133	250.72638	2152833.	1562932.	827.	791.	1144.	43.7	240.48	89.60	-.05	.10
0029	1983	120	21	26	120.89306	85.83837	250.59655	2153563.	1564018.	1558.	1876.	2439.	50.3	240.54	89.65	.01	.15
0030	1983	120	21	27	120.89375	85.83691	250.63103	2153354.	1563773.	1349.	1631.	2117.	50.4	240.54	89.63	.01	.13
0031	1983	120	21	28	120.89444	85.83691	250.63103	2153354.	1563773.	1350.	1631.	2117.	50.4	240.54	89.63	.01	.13
0032	1983	120	21	29	120.89514	85.83319	250.69467	2153007.	1563212.	1002.	1070.	1466.	46.9	240.50	89.61	-.03	.11
0033	1983	120	21	30	120.89583	85.83764	250.61380	2153459.	1563895.	1455.	1753.	2278.	50.3	240.54	89.64	.01	.14
0034	1983	120	21	31	120.89653	85.83909	250.57928	2153668.	1564140.	1664.	1998.	2600.	50.2	240.54	89.66	.01	.16
0035	1983	120	21	32	120.89722	85.83707	250.62114	2153424.	1563816.	1421.	1674.	2195.	49.7	240.53	89.64	.00	.14
0036	1983	120	21	33	120.89792	85.83593	250.63581	2153354.	1563657.	1351.	1515.	2030.	48.3	240.51	89.64	-.02	.14
0037	1983	120	21	34	120.89861	85.83909	250.57928	2153668.	1564140.	1665.	1998.	2601.	50.2	240.54	89.66	.01	.16
0038	1983	120	21	35	120.89931	85.83707	250.62114	2153424.	1563816.	1422.	1673.	2196.	49.6	240.53	89.64	.00	.14
0039	1983	120	21	36	120.90000	85.83780	250.60390	2153528.	1563938.	1526.	1796.	2357.	49.6	240.53	89.65	.00	.15
0040	1983	120	21	37	120.90069	85.83852	250.58664	2153633.	1564061.	1631.	1918.	2518.	49.6	240.53	89.66	.00	.16
0041	1983	120	21	38	120.90139	85.83909	250.57928	2153668.	1564140.	1667.	1997.	2601.	50.2	240.54	89.66	.01	.16
0042	1983	120	21	39	120.90208	85.84039	250.55463	2153807.	1564342.	1807.	2199.	2846.	50.6	240.55	89.67	.02	.17
0043	1983	120	21	40	120.90278	85.84112	250.53732	2153912.	1564465.	1912.	2322.	3007.	50.5	240.55	89.68	.02	.18

0044	1983	120	21	41	120.90347	85.83666	250.61859	2153458.	1563780.	1458.	1637.	2192.	48.3	240.51	89.65	-.02	.15
0045	1983	120	21	42	120.90417	85.83723	250.61125	2153493.	1563859.	1494.	1716.	2275.	49.0	240.52	89.65	-.01	.15
0046	1983	120	21	43	120.90486	85.83723	250.61125	2153493.	1563859.	1494.	1716.	2275.	48.9	240.52	89.65	-.01	.15
0047	1983	120	21	44	120.90556	85.84096	250.54725	2153842.	1564422.	1843.	2278.	2930.	51.0	240.56	89.67	.03	.17
0048	1983	120	21	45	120.90625	85.83650	250.62847	2153389.	1563737.	1390.	1593.	2114.	48.9	240.52	89.64	-.01	.14
0049	1983	120	21	46	120.90694	85.83852	250.58664	2153633.	1564061.	1635.	1917.	2519.	49.5	240.53	89.66	.00	.16
0050	1983	120	21	47	120.90764	85.83682	250.60870	2153528.	1563823.	1530.	1679.	2272.	47.7	240.50	89.66	-.03	.16
0051	1983	120	21	48	120.90833	85.83796	250.59400	2153598.	1563981.	1600.	1837.	2437.	48.9	240.52	89.66	-.01	.16
0052	1983	120	21	49	120.90903	85.83650	250.62847	2153389.	1563737.	1392.	1592.	2115.	48.8	240.52	89.64	-.01	.14
0053	1983	120	21	50	120.90972	85.83335	250.68481	2153076.	1563255.	1079.	1111.	1549.	45.8	240.49	89.62	-.04	.12
0054	1983	120	21	51	120.91042	85.83723	250.61125	2153493.	1563859.	1497.	1715.	2276.	48.9	240.52	89.65	-.01	.15
0055	1983	120	21	52	120.91111	85.83723	250.61125	2153493.	1563859.	1497.	1714.	2276.	48.9	240.52	89.65	-.01	.15
0056	1983	120	21	53	120.91181	85.83909	250.57928	2153668.	1564140.	1672.	1995.	2603.	50.0	240.54	89.66	.01	.16
0057	1983	120	21	54	120.91250	85.83780	250.60390	2153528.	1563938.	1533.	1793.	2359.	49.5	240.53	89.65	-.00	.15
0058	1983	120	21	55	120.91319	85.82963	250.74821	2152729.	1562696.	734.	550.	918.	36.9	240.45	89.60	-.08	.10
0059	1983	120	21	56	120.91389	85.83593	250.63581	2153354.	1563657.	1360.	1512.	2034.	48.0	240.51	89.64	-.02	.14
0060	1983	120	21	57	120.91458	85.83537	250.64314	2153319.	1563578.	1325.	1433.	1952.	47.2	240.50	89.64	-.03	.14
0061	1983	120	21	58	120.91528	85.83780	250.60390	2153528.	1563938.	1534.	1793.	2360.	49.4	240.53	89.65	-.00	.15
0062	1983	120	21	59	120.91597	85.83423	250.65778	2153249.	1563420.	1256.	1275.	1789.	45.4	240.48	89.64	-.05	.14
0063	1983	120	22	0	120.91667	85.83480	250.65046	2153284.	1563499.	1291.	1354.	1871.	46.3	240.49	89.64	-.04	.14
0064	1983	120	22	1	120.91736	85.83909	250.57928	2153668.	1564140.	1675.	1994.	2604.	50.0	240.54	89.66	.01	.16
0065	1983	120	22	2	120.91806	85.83335	250.68481	2153076.	1563255.	1084.	1109.	1551.	45.7	240.49	89.62	-.04	.12
0066	1983	120	22	3	120.91875	85.83780	250.60390	2153528.	1563938.	1536.	1792.	2361.	49.4	240.53	89.65	-.00	.15
0067	1983	120	22	4	120.91944	85.83707	250.62114	2153424.	1563816.	1432.	1670.	2200.	49.4	240.53	89.64	-.00	.14
0068	1983	120	22	5	120.92014	85.83480	250.65046	2153284.	1563499.	1293.	1353.	1871.	46.3	240.49	89.64	-.04	.14
0069	1983	120	22	6	120.92083	85.83593	250.63581	2153354.	1563657.	1363.	1511.	2035.	47.9	240.51	89.64	-.02	.14
0070	1983	120	22	7	120.92153	85.83335	250.68481	2153076.	1563255.	1085.	1108.	1551.	45.6	240.49	89.62	-.04	.12
0071	1983	120	22	8	120.92222	85.83707	250.62114	2153424.	1563816.	1434.	1669.	2200.	49.3	240.53	89.64	-.00	.14
0072	1983	120	22	9	120.92292	85.83852	250.58664	2153633.	1564061.	1643.	1914.	2522.	49.4	240.53	89.66	-.00	.16
0073	1983	120	22	10	120.92361	85.83780	250.60390	2153528.	1563938.	1539.	1791.	2362.	49.3	240.53	89.65	-.00	.15
0074	1983	120	22	11	120.92431	85.83723	250.61125	2153493.	1563859.	1504.	1712.	2279.	48.7	240.52	89.65	-.01	.15
0075	1983	120	22	12	120.92500	85.83578	250.64569	2153285.	1563614.	1296.	1467.	1958.	48.5	240.52	89.63	-.01	.13
0076	1983	120	22	13	120.92569	85.83764	250.61380	2153459.	1563895.	1471.	1748.	2284.	49.9	240.54	89.64	.01	.14
0077	1983	120	22	14	120.92639	85.83650	250.62847	2153389.	1563737.	1401.	1589.	2119.	48.6	240.52	89.64	-.01	.14
0078	1983	120	22	15	120.92708	85.83691	250.63103	2153354.	1563773.	1367.	1625.	2124.	49.9	240.54	89.63	.01	.13
0079	1983	120	22	16	120.92778	85.83966	250.57192	2153703.	1564219.	1716.	2072.	2690.	50.4	240.55	89.66	.02	.16
0080	1983	120	22	17	120.92847	85.83634	250.63836	2153320.	1563694.	1333.	1546.	2041.	49.2	240.53	89.63	-.00	.13
0081	1983	120	22	18	120.92917	85.83505	250.66288	2153180.	1563492.	1194.	1344.	1798.	48.4	240.52	89.62	-.01	.12
0082	1983	120	22	19	120.92986	85.83578	250.64569	2153285.	1563614.	1299.	1466.	1959.	48.5	240.52	89.63	-.01	.13
0083	1983	120	22	20	120.93056	85.83748	250.62369	2153389.	1563852.	1404.	1704.	2207.	50.5	240.55	89.63	.02	.13
0084	1983	120	22	21	120.93125	85.83764	250.61380	2153459.	1563895.	1473.	1747.	2285.	49.9	240.54	89.64	.01	.14
0085	1983	120	22	22	120.93194	85.83505	250.66288	2153180.	1563492.	1195.	1344.	1798.	48.3	240.52	89.62	-.02	.12
0086	1983	120	22	23	120.93264	85.83821	250.60645	2153494.	1563974.	1509.	1826.	2369.	50.4	240.55	89.64	.01	.14
0087	1983	120	22	24	120.93333	85.83319	250.69467	2153007.	1563212.	1022.	1063.	1475.	46.1	240.50	89.61	-.04	.11
0088	1983	120	22	25	120.93403	85.83262	250.70197	2152972.	1563133.	988.	984.	1394.	44.9	240.49	89.61	-.05	.11

0089	1983	120	22	26	120.93472	85.83319	250.69467	2153007.	1563212.	1023.	1063.	1475.	46.1	240.50	89.61	-.04	.11
0090	1983	120	22	27	120.93542	85.83375	250.68737	2153041.	1563291.	1058.	1142.	1557.	47.2	240.51	89.61	-.03	.11
0091	1983	120	22	28	120.93611	85.83391	250.67751	2153111.	1563334.	1128.	1185.	1636.	46.4	240.50	89.62	-.04	.12
0092	1983	120	22	29	120.93681	85.83837	250.59655	2153563.	1564018.	1581.	1868.	2447.	49.8	240.54	89.65	.00	.15
0093	1983	120	22	30	120.93750	85.83448	250.67020	2153146.	1563413.	1164.	1264.	1718.	47.4	240.51	89.62	-.03	.12
0094	1983	120	22	31	120.93819	85.83117	250.73622	2152764.	1562889.	782.	740.	1076.	43.4	240.49	89.59	-.05	.09
0095	1983	120	22	32	120.93889	85.83262	250.70197	2152972.	1563133.	991.	983.	1396.	44.8	240.49	89.61	-.05	.11
0096	1983	120	22	33	120.93958	85.83133	250.72638	2152833.	1562932.	852.	782.	1157.	42.5	240.48	89.60	-.06	.10
0097	1983	120	22	34	120.94028	85.83335	250.68481	2153076.	1563255.	1095.	1105.	1556.	45.2	240.49	89.62	-.05	.12
0098	1983	120	22	35	120.94097	85.83262	250.70197	2152972.	1563133.	992.	983.	1396.	44.7	240.49	89.61	-.05	.11
0099	1983	120	22	36	120.94167	85.83893	250.58919	2153598.	1564097.	1618.	1947.	2531.	50.3	240.55	89.65	.01	.15
0100	1983	120	22	37	120.94236	85.83448	250.67020	2153146.	1563413.	1166.	1263.	1719.	47.3	240.51	89.62	-.03	.12
0101	1983	120	22	38	120.94306	85.83489	250.67275	2153111.	1563449.	1132.	1299.	1723.	48.9	240.53	89.61	-.01	.11
0102	1983	120	22	39	120.94375	85.83707	250.62114	2153424.	1563816.	1445.	1665.	2205.	49.0	240.53	89.64	-.01	.14
0103	1983	120	22	40	120.94444	85.83650	250.62847	2153389.	1563737.	1411.	1586.	2122.	48.3	240.52	89.64	-.02	.14
0104	1983	120	22	41	120.94514	85.83562	250.65557	2153215.	1563571.	1237.	1420.	1884.	48.9	240.53	89.62	-.01	.12
0105	1983	120	22	42	120.94583	85.83821	250.60645	2153494.	1563974.	1516.	1823.	2371.	50.3	240.55	89.64	.01	.14
0106	1983	120	22	43	120.94653	85.83764	250.61380	2153459.	1563895.	1482.	1744.	2288.	49.7	240.54	89.64	.00	.14
0107	1983	120	22	44	120.94722	85.83837	250.59655	2153563.	1564018.	1586.	1866.	2449.	49.6	240.54	89.65	.00	.15
0108	1983	120	22	45	120.94792	85.83909	250.57928	2153668.	1564140.	1691.	1989.	2611.	49.6	240.54	89.66	.00	.16
0109	1983	120	22	46	120.94861	85.83821	250.60645	2153494.	1563974.	1518.	1823.	2372.	50.2	240.55	89.64	.01	.14
0110	1983	120	22	47	120.94931	85.83764	250.61380	2153459.	1563895.	1483.	1743.	2289.	49.6	240.54	89.64	.00	.14
0111	1983	120	22	48	120.95000	85.83893	250.58919	2153598.	1564097.	1623.	1945.	2533.	50.2	240.55	89.65	.01	.15
0112	1983	120	22	49	120.95069	85.83634	250.63836	2153320.	1563694.	1344.	1542.	2046.	48.9	240.53	89.63	-.01	.13
0113	1983	120	22	50	120.95139	85.83707	250.62114	2153424.	1563816.	1449.	1664.	2206.	48.9	240.53	89.64	-.01	.14
0114	1983	120	22	51	120.95208	85.83578	250.64569	2153285.	1563614.	1310.	1462.	1963.	48.1	240.52	89.63	-.02	.13
0115	1983	120	22	52	120.95278	85.83505	250.66288	2153180.	1563492.	1206.	1340.	1803.	48.0	240.52	89.62	-.02	.12
0116	1983	120	22	53	120.95347	85.83448	250.67020	2153146.	1563413.	1172.	1261.	1721.	47.1	240.51	89.62	-.03	.12
0117	1983	120	22	54	120.95417	85.83691	250.63103	2153354.	1563773.	1381.	1620.	2129.	49.6	240.54	89.63	.00	.13
0118	1983	120	22	55	120.95486	85.83618	250.64824	2153250.	1563650.	1277.	1498.	1968.	49.5	240.54	89.62	.00	.12
0119	1983	120	22	56	120.95556	85.83432	250.68006	2153076.	1563370.	1104.	1217.	1643.	47.8	240.52	89.61	-.02	.11
0120	1983	120	22	57	120.95625	85.83780	250.60390	2153528.	1563938.	1556.	1785.	2368.	48.9	240.53	89.65	-.01	.15
0121	1983	120	22	58	120.95694	85.83707	250.62114	2153424.	1563816.	1452.	1663.	2208.	48.9	240.53	89.64	-.01	.14
0122	1983	120	22	59	120.95764	85.83707	250.62114	2153424.	1563816.	1452.	1663.	2208.	48.9	240.53	89.64	-.01	.14
0123	1983	120	23	0	120.95833	85.83837	250.59655	2153563.	1564018.	1592.	1864.	2452.	49.5	240.54	89.65	-.00	.15
0124	1983	120	23	1	120.95903	85.83578	250.64569	2153285.	1563614.	1314.	1461.	1965.	48.0	240.52	89.63	-.02	.13
0125	1983	120	23	2	120.95972	85.83391	250.67751	2153111.	1563334.	1140.	1180.	1641.	46.0	240.50	89.62	-.04	.12
0126	1983	120	23	3	120.96042	85.83562	250.65557	2153215.	1563571.	1245.	1418.	1887.	48.7	240.53	89.62	-.01	.12
0127	1983	120	23	4	120.96111	85.83634	250.63836	2153320.	1563694.	1350.	1540.	2048.	48.8	240.53	89.63	-.01	.13
0128	1983	120	23	5	120.96181	85.83303	250.70452	2152937.	1563169.	968.	1015.	1403.	46.3	240.51	89.60	-.03	.10
0129	1983	120	23	6	120.96250	85.83149	250.71655	2152902.	1562975.	934.	821.	1243.	41.3	240.47	89.61	-.07	.11
0130	1983	120	23	7	120.96319	85.83634	250.63836	2153320.	1563694.	1351.	1539.	2048.	48.7	240.53	89.63	-.01	.13
0131	1983	120	23	8	120.96389	85.83448	250.67020	2153146.	1563413.	1177.	1259.	1724.	46.9	240.51	89.62	-.03	.12
0132	1983	120	23	9	120.96458	85.83076	250.73366	2152798.	1562853.	831.	699.	1085.	40.1	240.47	89.60	-.07	.10
0133	1983	120	23	10	120.96528	85.83432	250.68006	2153076.	1563370.	1109.	1215.	1645.	47.6	240.52	89.61	-.02	.11

0134	1983	120	23	11	120.96597	85.82987	250.76059	2152625.	1562689.	658.	534.	848.	39.0	240.48	89.58	-.06	.08
0135	1983	120	23	12	120.96667	85.83335	250.68481	2153076.	1563255.	1109.	1100.	1562.	44.8	240.49	89.62	-.05	.12
0136	1983	120	23	13	120.96736	85.83562	250.65557	2153215.	1563571.	1249.	1416.	1888.	48.6	240.53	89.62	-.01	.12
0137	1983	120	23	14	120.96806	85.83375	250.68737	2153041.	1563291.	1076.	1136.	1564.	46.6	240.51	89.61	-.03	.11
0138	1983	120	23	15	120.96875	85.83375	250.68737	2153041.	1563291.	1076.	1136.	1564.	46.5	240.51	89.61	-.03	.11
0139	1983	120	23	16	120.96944	85.83618	250.64824	2153250.	1563650.	1285.	1495.	1971.	49.3	240.54	89.62	-.00	.12
0140	1983	120	23	17	120.97014	85.83691	250.63103	2153354.	1563773.	1390.	1617.	2132.	49.3	240.54	89.63	-.00	.13
0141	1983	120	23	18	120.97083	85.83618	250.64824	2153250.	1563650.	1286.	1495.	1972.	49.3	240.54	89.62	-.00	.12
0142	1983	120	23	19	120.97153	85.83691	250.63103	2153354.	1563773.	1390.	1617.	2133.	49.3	240.54	89.63	-.00	.13
0143	1983	120	23	20	120.97222	85.83748	250.62369	2153389.	1563852.	1426.	1696.	2216.	50.0	240.55	89.63	.01	.14
0144	1983	120	23	21	120.97292	85.83303	250.70452	2152937.	1563169.	974.	1013.	1405.	46.1	240.51	89.60	-.03	.11
0145	1983	120	23	22	120.97361	85.83562	250.65557	2153215.	1563571.	1252.	1415.	1890.	48.5	240.53	89.62	-.01	.13
0146	1983	120	23	23	120.97431	85.83230	250.72166	2152833.	1563047.	871.	891.	1246.	45.6	240.51	89.59	-.03	.10
0147	1983	120	23	24	120.97500	85.83489	250.67275	2153111.	1563449.	1149.	1293.	1729.	48.4	240.53	89.61	-.01	.12
0148	1983	120	23	25	120.97569	85.83691	250.63103	2153354.	1563773.	1393.	1616.	2133.	49.3	240.54	89.63	-.00	.14
0149	1983	120	23	26	120.97639	85.83618	250.64824	2153250.	1563650.	1289.	1494.	1973.	49.2	240.54	89.62	-.00	.13
0150	1983	120	23	27	120.97708	85.83198	250.74134	2152695.	1562961.	734.	804.	1089.	47.6	240.53	89.57	-.01	.08
0151	1983	120	23	28	120.97778	85.83344	250.70708	2152903.	1563205.	942.	1048.	1409.	48.0	240.53	89.59	-.01	.10
0152	1983	120	23	29	120.97847	85.83675	250.64091	2153285.	1563730.	1325.	1573.	2056.	49.9	240.55	89.62	.01	.13
0153	1983	120	23	30	120.97917	85.83489	250.67275	2153111.	1563449.	1151.	1292.	1730.	48.3	240.53	89.61	-.02	.12
0154	1983	120	23	31	120.97986	85.83489	250.67275	2153111.	1563449.	1151.	1292.	1730.	48.3	240.53	89.61	-.02	.12
0155	1983	120	23	32	120.98056	85.83618	250.64824	2153250.	1563650.	1291.	1493.	1974.	49.2	240.54	89.62	-.01	.13
0156	1983	120	23	33	120.98125	85.83416	250.68993	2153007.	1563327.	1048.	1169.	1570.	48.1	240.53	89.60	-.02	.11
0157	1983	120	23	34	120.98194	85.83602	250.65812	2153181.	1563607.	1222.	1450.	1896.	49.9	240.55	89.61	.00	.12
0158	1983	120	23	35	120.98264	85.83546	250.66544	2153146.	1563528.	1188.	1370.	1813.	49.1	240.54	89.61	-.01	.12
0159	1983	120	23	36	120.98333	85.83934	250.59174	2153564.	1564133.	1606.	1975.	2545.	50.9	240.57	89.64	.02	.15
0160	1983	120	23	37	120.98403	85.83602	250.65812	2153181.	1563607.	1223.	1449.	1896.	49.8	240.55	89.61	.00	.12
0161	1983	120	23	38	120.98472	85.83732	250.63358	2153320.	1563809.	1363.	1651.	2140.	50.5	240.56	89.62	.01	.13
0162	1983	120	23	39	120.98542	85.83805	250.61635	2153424.	1563931.	1468.	1773.	2301.	50.4	240.56	89.63	.01	.14
0163	1983	120	23	40	120.98611	85.83805	250.61635	2153424.	1563931.	1468.	1773.	2302.	50.4	240.56	89.63	.01	.14
0164	1983	120	23	41	120.98681	85.83675	250.64091	2153285.	1563730.	1329.	1571.	2058.	49.8	240.55	89.62	.00	.13
0165	1983	120	23	42	120.98750	85.83732	250.63358	2153320.	1563809.	1364.	1650.	2141.	50.4	240.56	89.62	.01	.13
0166	1983	120	23	43	120.98819	85.83716	250.64347	2153250.	1563766.	1295.	1607.	2064.	51.1	240.57	89.61	.02	.12
0167	1983	120	23	44	120.98889	85.83489	250.67275	2153111.	1563449.	1156.	1290.	1732.	48.1	240.53	89.61	-.02	.12
0168	1983	120	23	45	120.98958	85.83473	250.68262	2153042.	1563406.	1087.	1247.	1654.	48.9	240.54	89.60	-.01	.11
0169	1983	120	23	46	120.99028	85.83805	250.61635	2153424.	1563931.	1470.	1772.	2302.	50.3	240.56	89.63	.01	.14
0170	1983	120	23	47	120.99097	85.83287	250.71437	2152868.	1563126.	914.	967.	1331.	46.6	240.52	89.59	-.03	.10
0171	1983	120	23	48	120.99167	85.83489	250.67275	2153111.	1563449.	1158.	1290.	1733.	48.1	240.53	89.61	-.02	.12
0172	1983	120	23	49	120.99236	85.83805	250.61635	2153424.	1563931.	1471.	1772.	2303.	50.3	240.56	89.63	.01	.14
0173	1983	120	23	50	120.99306	85.83732	250.63358	2153320.	1563809.	1367.	1649.	2142.	50.3	240.56	89.62	.01	.13
0174	1983	120	23	51	120.99375	85.83416	250.68993	2153007.	1563327.	1055.	1167.	1573.	47.9	240.53	89.60	-.02	.11
0175	1983	120	23	52	120.99444	85.83587	250.66800	2153111.	1563564.	1159.	1404.	1821.	50.5	240.56	89.60	.01	.11
0176	1983	120	23	53	120.99514	85.83789	250.62624	2153355.	1563888.	1403.	1728.	2226.	50.9	240.57	89.62	.02	.13
0177	1983	120	23	54	120.99583	85.83344	250.70708	2152903.	1563205.	952.	1045.	1413.	47.7	240.53	89.59	-.02	.10
0178	1983	120	23	55	120.99653	85.83530	250.67531	2153077.	1563485.	1126.	1325.	1738.	49.6	240.55	89.60	.00	.11

0179	1983	120	23	56	120.99722	85.83789	250.62624	2153355.	1563888.	1404.	1727.	2226.	50.9	240.57	89.62	.02	.13
0180	1983	120	23	57	120.99792	85.83587	250.66800	2153111.	1563564.	1161.	1404.	1822.	50.4	240.56	89.60	.01	.11
0181	1983	120	23	58	120.99861	85.83473	250.68262	2153042.	1563406.	1092.	1245.	1656.	48.8	240.54	89.60	-.01	.11
0182	1983	120	23	59	120.99931	85.83902	250.61156	2153425.	1564047.	1475.	1886.	2394.	52.0	240.59	89.62	.04	.13
0183	1983	121	0	0	121.00000	85.83441	250.70235	2152903.	1563320.	954.	1159.	1501.	50.5	240.56	89.58	.01	.09
0184	1983	121	0	1	121.00069	85.83587	250.66800	2153111.	1563564.	1163.	1403.	1822.	50.3	240.56	89.60	.01	.11
0185	1983	121	0	2	121.00139	85.83530	250.67531	2153077.	1563485.	1129.	1324.	1740.	49.5	240.55	89.60	-.00	.11
0186	1983	121	0	3	121.00208	85.83328	250.71693	2152834.	1563162.	887.	1000.	1337.	48.4	240.54	89.58	-.01	.09
0187	1983	121	0	4	121.00278	85.84162	250.56228	2153704.	1564451.	1758.	2289.	2886.	52.5	240.61	89.64	.06	.15
0188	1983	121	0	5	121.00347	85.83902	250.61156	2153425.	1564047.	1479.	1885.	2396.	51.9	240.59	89.62	.04	.13
0189	1983	121	0	6	121.00417	85.83587	250.66800	2153111.	1563564.	1167.	1402.	1824.	50.2	240.56	89.60	.01	.11
0190	1983	121	0	7	121.00486	85.83773	250.63614	2153285.	1563845.	1342.	1682.	2152.	51.4	240.58	89.61	.03	.12
0191	1983	121	0	8	121.00556	85.83975	250.59430	2153529.	1564169.	1586.	2007.	2558.	51.7	240.59	89.63	.04	.14
0192	1983	121	0	9	121.00625	85.83716	250.64347	2153250.	1563766.	1308.	1603.	2069.	50.8	240.57	89.61	.02	.12
0193	1983	121	0	10	121.00694	85.83716	250.64347	2153250.	1563766.	1309.	1603.	2069.	50.8	240.57	89.61	.02	.12
0194	1983	121	0	11	121.00764	85.83789	250.62624	2153355.	1563888.	1414.	1725.	2230.	50.7	240.57	89.62	.02	.13
0195	1983	121	0	12	121.00833	85.83846	250.61890	2153390.	1563967.	1450.	1804.	2314.	51.2	240.58	89.62	.03	.13
0196	1983	121	0	13	121.00903	85.83587	250.66800	2153111.	1563564.	1172.	1401.	1826.	50.1	240.56	89.60	.01	.11
0197	1983	121	0	14	121.00972	85.84032	250.58694	2153564.	1564248.	1626.	2085.	2644.	52.1	240.60	89.63	.05	.14
0198	1983	121	0	15	121.01042	85.83789	250.62624	2153355.	1563888.	1417.	1724.	2232.	50.6	240.57	89.62	.02	.13
0199	1983	121	0	16	121.01111	85.83530	250.67531	2153077.	1563485.	1140.	1321.	1745.	49.2	240.55	89.60	-.00	.11
0200	1983	121	0	17	121.01181	85.83716	250.64347	2153250.	1563766.	1314.	1601.	2072.	50.6	240.57	89.61	.02	.12
0201	1983	121	0	18	121.01250	85.83602	250.65812	2153181.	1563607.	1245.	1443.	1906.	49.2	240.55	89.61	-.00	.12
0202	1983	121	0	19	121.01319	85.83975	250.59430	2153529.	1564169.	1594.	2004.	2561.	51.5	240.59	89.63	.04	.14
0203	1983	121	0	20	121.01389	85.83530	250.67531	2153077.	1563485.	1143.	1320.	1746.	49.1	240.55	89.60	-.01	.11
0204	1983	121	0	21	121.01458	85.83789	250.62624	2153355.	1563888.	1422.	1723.	2234.	50.5	240.57	89.62	.01	.13
0205	1983	121	0	22	121.01528	85.83530	250.67531	2153077.	1563485.	1144.	1320.	1747.	49.1	240.55	89.60	-.01	.11
0206	1983	121	0	23	121.01597	85.83530	250.67531	2153077.	1563485.	1145.	1320.	1747.	49.1	240.55	89.60	-.01	.11
0207	1983	121	0	24	121.01667	85.84089	250.57957	2153599.	1564328.	1668.	2162.	2731.	52.4	240.61	89.63	.05	.14
0208	1983	121	0	25	121.01736	85.83789	250.62624	2153355.	1563888.	1425.	1722.	2235.	50.4	240.57	89.62	.01	.13
0209	1983	121	0	26	121.01806	85.83716	250.64347	2153250.	1563766.	1321.	1600.	2075.	50.5	240.57	89.61	.01	.12
0210	1983	121	0	27	121.01875	85.83789	250.62624	2153355.	1563888.	1426.	1722.	2236.	50.4	240.57	89.62	.01	.13
0211	1983	121	0	28	121.01944	85.83918	250.60165	2153494.	1564090.	1566.	1923.	2480.	50.8	240.58	89.63	.02	.14
0212	1983	121	0	29	121.02014	85.83846	250.61890	2153390.	1563967.	1462.	1801.	2320.	50.9	240.58	89.62	.02	.13
0213	1983	121	0	30	121.02083	85.83716	250.64347	2153250.	1563766.	1324.	1599.	2076.	50.4	240.57	89.61	.01	.12
0214	1983	121	0	31	121.02153	85.83514	250.68518	2153007.	1563442.	1081.	1275.	1672.	49.7	240.56	89.59	.00	.10
0215	1983	121	0	32	121.02222	85.83716	250.64347	2153250.	1563766.	1325.	1599.	2077.	50.3	240.57	89.61	.01	.12
0216	1983	121	0	33	121.02292	85.83773	250.63614	2153285.	1563845.	1361.	1678.	2160.	50.9	240.58	89.61	.02	.12
0217	1983	121	0	34	121.02361	85.83587	250.66800	2153111.	1563564.	1188.	1397.	1834.	49.6	240.56	89.60	.00	.11
0218	1983	121	0	35	121.02431	85.83846	250.61890	2153390.	1563967.	1467.	1800.	2322.	50.8	240.58	89.62	.02	.13
0219	1983	121	0	36	121.02500	85.83773	250.63614	2153285.	1563845.	1363.	1677.	2161.	50.9	240.58	89.61	.02	.12
0220	1983	121	0	37	121.02569	85.83659	250.65080	2153216.	1563686.	1294.	1518.	1995.	49.6	240.56	89.61	.00	.12
0221	1983	121	0	38	121.02639	85.83514	250.68518	2153007.	1563442.	1087.	1274.	1674.	49.5	240.56	89.59	-.00	.10
0222	1983	121	0	39	121.02708	85.83700	250.65336	2153181.	1563722.	1261.	1554.	2002.	50.9	240.58	89.60	.02	.11
0223	1983	121	0	40	121.02778	85.83830	250.62880	2153320.	1563924.	1401.	1755.	2246.	51.4	240.59	89.61	.03	.13

0224	1983	121	0	41	121.02847	85.83659	250.65080	2153216.	1563686.	1297.	1518.	1997.	49.5	240.56	89.61	-.00	.13
0225	1983	121	0	42	121.02917	85.83571	250.67787	2153042.	1563521.	1125.	1352.	1759.	50.2	240.57	89.59	.01	.11
0226	1983	121	0	43	121.02986	85.83789	250.62624	2153355.	1563888.	1438.	1719.	2241.	50.1	240.57	89.62	.01	.14
0227	1983	121	0	44	121.03056	85.84032	250.58694	2153564.	1564248.	1648.	2079.	2653.	51.6	240.60	89.63	.04	.15
0228	1983	121	0	45	121.03125	85.83959	250.60421	2153460.	1564126.	1544.	1956.	2492.	51.7	240.60	89.62	.04	.14
0229	1983	121	0	46	121.03194	85.83959	250.60421	2153460.	1564126.	1545.	1956.	2493.	51.7	240.60	89.62	.04	.14
0230	1983	121	0	47	121.03264	85.83773	250.63614	2153285.	1563845.	1372.	1675.	2165.	50.7	240.58	89.61	.02	.13
0231	1983	121	0	48	121.03333	85.83902	250.61156	2153425.	1564047.	1512.	1876.	2410.	51.1	240.59	89.62	.03	.14
0232	1983	121	0	49	121.03403	85.84333	250.54013	2153809.	1564689.	1896.	2519.	3153.	53.0	240.64	89.64	.08	.16
0233	1983	121	0	50	121.03472	85.84073	250.58949	2153529.	1564285.	1618.	2114.	2662.	52.6	240.62	89.62	.06	.14
0234	1983	121	0	51	121.03542	85.84016	250.59685	2153495.	1564205.	1584.	2035.	2578.	52.1	240.61	89.62	.05	.14
0235	1983	121	0	52	121.03611	85.84146	250.57221	2153634.	1564407.	1724.	2236.	2824.	52.4	240.62	89.63	.06	.15
0236	1983	121	0	53	121.03681	85.83959	250.60421	2153460.	1564126.	1550.	1955.	2495.	51.6	240.60	89.62	.04	.14
0237	1983	121	0	54	121.03750	85.83959	250.60421	2153460.	1564126.	1551.	1955.	2495.	51.6	240.60	89.62	.04	.14
0238	1983	121	0	55	121.03819	85.83830	250.62880	2153320.	1563924.	1412.	1753.	2251.	51.1	240.59	89.61	.03	.13
0239	1983	121	0	56	121.03889	85.83846	250.61890	2153390.	1563967.	1483.	1796.	2329.	50.5	240.58	89.62	.01	.14
0240	1983	121	0	57	121.03958	85.84032	250.58694	2153564.	1564248.	1658.	2077.	2657.	51.4	240.60	89.63	.03	.15
0241	1983	121	0	58	121.04028	85.83975	250.59430	2153529.	1564169.	1624.	1997.	2574.	50.9	240.59	89.63	.02	.15
0242	1983	121	0	59	121.04097	85.83830	250.62880	2153320.	1563924.	1415.	1752.	2252.	51.1	240.59	89.61	.02	.13
0243	1983	121	1	0	121.04167	85.83902	250.61156	2153425.	1564047.	1521.	1874.	2413.	50.9	240.59	89.62	.02	.14
0244	1983	121	1	1	121.04236	85.84032	250.58694	2153564.	1564248.	1661.	2076.	2658.	51.3	240.60	89.63	.03	.15
0245	1983	121	1	2	121.04306	85.84219	250.55490	2153739.	1564530.	1836.	2357.	2988.	52.1	240.62	89.64	.05	.16
0246	1983	121	1	3	121.04375	85.83943	250.61411	2153390.	1564083.	1488.	1910.	2421.	52.1	240.61	89.61	.04	.13
0247	1983	121	1	4	121.04444	85.84162	250.56228	2153704.	1564451.	1803.	2277.	2904.	51.6	240.61	89.64	.04	.16
0248	1983	121	1	5	121.04514	85.84276	250.54752	2153774.	1564609.	1873.	2436.	3073.	52.4	240.63	89.64	.06	.16
0249	1983	121	1	6	121.04583	85.83918	250.60165	2153494.	1564090.	1595.	1916.	2493.	50.2	240.58	89.63	.01	.15
0250	1983	121	1	7	121.04653	85.83902	250.61156	2153425.	1564047.	1526.	1873.	2416.	50.8	240.59	89.62	.02	.14
0251	1983	121	1	8	121.04722	85.84105	250.56965	2153669.	1564371.	1771.	2197.	2822.	51.1	240.60	89.64	.03	.16
0252	1983	121	1	9	121.04792	85.83846	250.61890	2153390.	1563967.	1492.	1793.	2333.	50.2	240.58	89.62	.01	.14
0253	1983	121	1	10	121.04861	85.83716	250.64347	2153250.	1563766.	1354.	1591.	2089.	49.6	240.57	89.61	.00	.13
0254	1983	121	1	11	121.04931	85.83643	250.66068	2153146.	1563643.	1250.	1469.	1929.	49.6	240.57	89.60	.00	.12
0255	1983	121	1	12	121.05000	85.83773	250.63614	2153285.	1563845.	1390.	1670.	2173.	50.2	240.58	89.61	.01	.13
0256	1983	121	1	13	121.05069	85.83846	250.61890	2153390.	1563967.	1495.	1792.	2334.	50.2	240.58	89.62	.01	.14
0257	1983	121	1	14	121.05139	85.83587	250.66800	2153111.	1563564.	1218.	1389.	1847.	48.8	240.56	89.60	-.01	.12
0258	1983	121	1	15	121.05208	85.83902	250.61156	2153425.	1564047.	1532.	1871.	2418.	50.7	240.59	89.62	.02	.14
0259	1983	121	1	16	121.05278	85.84032	250.58694	2153564.	1564248.	1672.	2073.	2663.	51.1	240.60	89.63	.03	.15
0260	1983	121	1	17	121.05347	85.83830	250.62880	2153320.	1563924.	1429.	1748.	2258.	50.7	240.59	89.61	.02	.13
0261	1983	121	1	18	121.05417	85.83587	250.66800	2153111.	1563564.	1221.	1388.	1849.	48.7	240.56	89.60	-.01	.12
0262	1983	121	1	19	121.05486	85.83887	250.62146	2153355.	1564003.	1465.	1827.	2342.	51.3	240.60	89.61	.03	.13
0263	1983	121	1	20	121.05556	85.84349	250.53019	2153878.	1564732.	1989.	2556.	3239.	52.1	240.63	89.65	.06	.17
0264	1983	121	1	21	121.05625	85.83773	250.63614	2153285.	1563845.	1397.	1668.	2176.	50.1	240.58	89.61	.01	.13
0265	1983	121	1	22	121.05694	85.84162	250.56228	2153704.	1564451.	1816.	2274.	2910.	51.4	240.61	89.64	.04	.16
0266	1983	121	1	23	121.05764	85.84162	250.56228	2153704.	1564451.	1817.	2274.	2911.	51.4	240.61	89.64	.04	.16
0267	1983	121	1	24	121.05833	85.84421	250.51284	2153983.	1564855.	2097.	2679.	3402.	51.9	240.63	89.66	.06	.18
0268	1983	121	1	25	121.05903	85.84276	250.54752	2153774.	1564609.	1888.	2432.	3079.	52.2	240.63	89.64	.06	.16

0269	1983	121	1	26	121.05972	85.84276	250.54752	2153774.	1564609.	1889.	2432.	3080.	52.2	240.63	89.64	.06	.16
0270	1983	121	1	27	121.06042	85.84608	250.48064	2154158.	1565138.	2274.	2960.	3733.	52.5	240.65	89.67	.08	.19
0271	1983	121	1	28	121.06111	85.84162	250.56228	2153704.	1564451.	1821.	2273.	2912.	51.3	240.61	89.64	.04	.16
0272	1983	121	1	29	121.06181	85.84162	250.56228	2153704.	1564451.	1821.	2273.	2912.	51.3	240.61	89.64	.04	.16
0273	1983	121	1	30	121.06250	85.84105	250.56965	2153669.	1564371.	1787.	2193.	2829.	50.8	240.60	89.64	.03	.16
0274	1983	121	1	31	121.06319	85.84276	250.54752	2153774.	1564609.	1893.	2431.	3081.	52.1	240.63	89.64	.05	.16
0275	1983	121	1	32	121.06389	85.84089	250.57957	2153599.	1564328.	1719.	2149.	2752.	51.3	240.61	89.63	.03	.15
0276	1983	121	1	33	121.06458	85.84032	250.58694	2153564.	1564248.	1685.	2070.	2669.	50.9	240.60	89.63	.02	.15
0277	1983	121	1	34	121.06528	85.84292	250.53758	2153843.	1564653.	1965.	2474.	3159.	51.5	240.62	89.65	.04	.17
0278	1983	121	1	35	121.06597	85.84089	250.57957	2153599.	1564328.	1721.	2149.	2753.	51.3	240.61	89.63	.03	.15
0279	1983	121	1	36	121.06667	85.83887	250.62146	2153355.	1564003.	1478.	1824.	2348.	51.0	240.60	89.61	.02	.13
0280	1983	121	1	37	121.06736	85.84178	250.55235	2153773.	1564494.	1897.	2315.	2993.	50.7	240.60	89.65	.02	.17
0281	1983	121	1	38	121.06806	85.84276	250.54752	2153774.	1564609.	1898.	2430.	3083.	52.0	240.63	89.64	.05	.16
0282	1983	121	1	39	121.06875	85.84349	250.53019	2153878.	1564732.	2004.	2553.	3245.	51.9	240.63	89.65	.05	.17
0283	1983	121	1	40	121.06944	85.84333	250.54013	2153809.	1564689.	1935.	2509.	3168.	52.4	240.64	89.64	.06	.17
0284	1983	121	1	41	121.07014	85.84292	250.53758	2153843.	1564653.	1970.	2473.	3162.	51.5	240.62	89.65	.04	.18
0285	1983	121	1	42	121.07083	85.84276	250.54752	2153774.	1564609.	1901.	2429.	3085.	52.0	240.63	89.64	.05	.17
0286	1983	121	1	43	121.07153	85.84219	250.55490	2153739.	1564530.	1867.	2350.	3001.	51.5	240.62	89.64	.04	.17
0287	1983	121	1	44	121.07222	85.84089	250.57957	2153599.	1564328.	1728.	2147.	2756.	51.2	240.61	89.63	.03	.16
0288	1983	121	1	45	121.07292	85.84016	250.59685	2153495.	1564205.	1624.	2024.	2595.	51.3	240.61	89.62	.03	.15
0289	1983	121	1	46	121.07361	85.84219	250.55490	2153739.	1564530.	1869.	2349.	3002.	51.5	240.62	89.64	.04	.17
0290	1983	121	1	47	121.07431	85.84235	250.54497	2153808.	1564573.	1939.	2392.	3080.	51.0	240.61	89.65	.03	.18
0291	1983	121	1	48	121.07500	85.84260	250.55745	2153704.	1564566.	1836.	2385.	3010.	52.4	240.64	89.63	.06	.16
0292	1983	121	1	49	121.07569	85.84032	250.58694	2153564.	1564248.	1697.	2067.	2674.	50.6	240.60	89.63	.02	.16
0293	1983	121	1	50	121.07639	85.84722	250.46579	2154228.	1565297.	2362.	3115.	3910.	52.8	240.67	89.67	.09	.20
0294	1983	121	1	51	121.07708	85.84349	250.53019	2153878.	1564732.	2013.	2550.	3249.	51.7	240.63	89.65	.05	.18
0295	1983	121	1	52	121.07778	85.84203	250.56483	2153669.	1564487.	1804.	2305.	2927.	51.9	240.63	89.63	.05	.16
0296	1983	121	1	53	121.07847	85.84089	250.57957	2153599.	1564328.	1735.	2145.	2759.	51.0	240.61	89.63	.03	.16
0297	1983	121	1	54	121.07917	85.83959	250.60421	2153460.	1564126.	1596.	1943.	2515.	50.6	240.60	89.62	.02	.15
0298	1983	121	1	55	121.07986	85.84276	250.54752	2153774.	1564609.	1911.	2427.	3089.	51.8	240.63	89.64	.05	.17
0299	1983	121	1	56	121.08056	85.84478	250.50544	2154018.	1564935.	2156.	2752.	3496.	51.9	240.64	89.66	.06	.19
0300	1983	121	1	57	121.08125	85.84421	250.51284	2153983.	1564855.	2122.	2672.	3412.	51.6	240.63	89.66	.05	.19
0301	1983	121	1	58	121.08194	85.84276	250.54752	2153774.	1564609.	1913.	2426.	3090.	51.7	240.63	89.64	.05	.17
0302	1983	121	1	59	121.08264	85.84178	250.55235	2153773.	1564494.	1913.	2310.	3000.	50.4	240.60	89.65	.02	.18
0303	1983	121	2	0	121.08333	85.84219	250.55490	2153739.	1564530.	1880.	2346.	3006.	51.3	240.62	89.64	.04	.17
0304	1983	121	2	1	121.08403	85.84535	250.49803	2154053.	1565015.	2195.	2831.	3582.	52.2	240.65	89.66	.07	.19
0305	1983	121	2	2	121.08472	85.84089	250.57957	2153599.	1564328.	1742.	2144.	2762.	50.9	240.61	89.63	.03	.16
0306	1983	121	2	3	121.08542	85.84406	250.52279	2153913.	1564812.	2057.	2628.	3337.	52.0	240.64	89.65	.06	.18
0307	1983	121	2	4	121.08611	85.83643	250.66068	2153146.	1563643.	1290.	1459.	1948.	48.5	240.57	89.60	-.01	.13
0308	1983	121	2	5	121.08681	85.84535	250.49803	2154053.	1565015.	2198.	2830.	3583.	52.2	240.65	89.66	.07	.19
0309	1983	121	2	6	121.08750	85.84032	250.58694	2153564.	1564248.	1710.	2064.	2680.	50.4	240.60	89.63	.01	.16
0310	1983	121	2	7	121.08819	85.84073	250.58949	2153529.	1564285.	1676.	2100.	2686.	51.4	240.62	89.62	.03	.15
0311	1983	121	2	8	121.08889	85.83943	250.61411	2153390.	1564083.	1537.	1897.	2442.	51.0	240.61	89.61	.02	.14
0312	1983	121	2	9	121.08958	85.84349	250.53019	2153878.	1564732.	2026.	2547.	3255.	51.5	240.63	89.65	.04	.18
0313	1983	121	2	10	121.09028	85.83757	250.64603	2153216.	1563802.	1364.	1616.	2115.	49.8	240.59	89.60	.00	.13

0314	1983	121	2	11	121.09097	85.84016	250.59685	2153495.	1564205.	1644.	2019.	2604.	50.9	240.61	89.62	.02	.15
0315	1983	121	2	12	121.09167	85.84437	250.50289	2154053.	1564899.	2203.	2713.	3495.	50.9	240.62	89.67	.03	.20
0316	1983	121	2	13	121.09236	85.83700	250.65336	2153181.	1563722.	1332.	1536.	2033.	49.1	240.58	89.60	-.01	.13
0317	1983	121	2	14	121.09306	85.84235	250.54497	2153808.	1564573.	1960.	2387.	3088.	50.6	240.61	89.65	.02	.18
0318	1983	121	2	15	121.09375	85.84535	250.49803	2154053.	1565015.	2206.	2828.	3586.	52.1	240.65	89.66	.06	.19
0319	1983	121	2	16	121.09444	85.83887	250.62146	2153355.	1564003.	1508.	1817.	2361.	50.3	240.60	89.61	.01	.14
0320	1983	121	2	17	121.09514	85.84349	250.53019	2153878.	1564732.	2032.	2546.	3257.	51.4	240.63	89.65	.04	.18
0321	1983	121	2	18	121.09583	85.84146	250.57221	2153634.	1564407.	1788.	2220.	2851.	51.1	240.62	89.63	.03	.16
0322	1983	121	2	19	121.09653	85.83902	250.61156	2153425.	1564047.	1580.	1859.	2440.	49.6	240.59	89.62	.00	.15
0323	1983	121	2	20	121.09722	85.84237	250.59973	2153391.	1564429.	1547.	2241.	2723.	55.4	240.70	89.58	.11	.11
0324	1983	121	2	21	121.09792	85.84146	250.57221	2153634.	1564407.	1791.	2220.	2852.	51.1	240.62	89.63	.03	.16
0325	1983	121	2	22	121.09861	85.84203	250.56483	2153669.	1564487.	1826.	2299.	2936.	51.5	240.63	89.63	.04	.16
0326	1983	121	2	23	121.09931	85.84073	250.58949	2153529.	1564285.	1688.	2097.	2691.	51.2	240.62	89.62	.03	.15
0327	1983	121	2	24	121.10000	85.84551	250.48806	2154123.	1565058.	2282.	2870.	3667.	51.5	240.64	89.67	.05	.20
0328	1983	121	2	25	121.10069	85.84390	250.53274	2153844.	1564769.	2003.	2580.	3267.	52.2	240.65	89.64	.06	.17
0329	1983	121	2	26	121.10139	85.84333	250.54013	2153809.	1564689.	1969.	2500.	3183.	51.8	240.64	89.64	.05	.17
0330	1983	121	2	27	121.10208	85.84333	250.54013	2153809.	1564689.	1970.	2500.	3183.	51.8	240.64	89.64	.05	.17
0331	1983	121	2	28	121.10278	85.84146	250.57221	2153634.	1564407.	1796.	2218.	2854.	51.0	240.62	89.63	.03	.16
0332	1983	121	2	29	121.10347	85.84073	250.58949	2153529.	1564285.	1692.	2095.	2693.	51.1	240.62	89.62	.03	.15
0333	1983	121	2	30	121.10417	85.84260	250.55745	2153704.	1564566.	1868.	2377.	3023.	51.8	240.64	89.63	.05	.16
0334	1983	121	2	31	121.10486	85.84089	250.57957	2153599.	1564328.	1763.	2138.	2772.	50.5	240.61	89.63	.02	.16
0335	1983	121	2	32	121.10556	85.84203	250.56483	2153669.	1564487.	1834.	2297.	2939.	51.4	240.63	89.63	.04	.16
0336	1983	121	2	33	121.10625	85.84447	250.52534	2153879.	1564848.	2045.	2658.	3354.	52.4	240.66	89.64	.07	.17
0337	1983	121	2	34	121.10694	85.84333	250.54013	2153809.	1564689.	1975.	2499.	3185.	51.7	240.64	89.64	.05	.17
0338	1983	121	2	35	121.10764	85.84016	250.59685	2153495.	1564205.	1662.	2015.	2612.	50.5	240.61	89.62	.02	.15
0339	1983	121	2	36	121.10833	85.84089	250.57957	2153599.	1564328.	1767.	2137.	2773.	50.4	240.61	89.63	.02	.16
0340	1983	121	2	37	121.10903	85.84219	250.55490	2153739.	1564530.	1907.	2339.	3018.	50.8	240.62	89.64	.03	.17
0341	1983	121	2	38	121.10972	85.84130	250.58213	2153564.	1564364.	1734.	2173.	2780.	51.4	240.63	89.62	.04	.15
0342	1983	121	2	39	121.11042	85.84073	250.58949	2153529.	1564285.	1700.	2093.	2697.	50.9	240.62	89.62	.03	.15
0343	1983	121	2	40	121.11111	85.84000	250.60676	2153425.	1564162.	1596.	1971.	2536.	51.0	240.62	89.61	.03	.15
0344	1983	121	2	41	121.11181	85.84130	250.58213	2153564.	1564364.	1736.	2172.	2781.	51.4	240.63	89.62	.04	.16
0345	1983	121	2	42	121.11250	85.84073	250.58949	2153529.	1564285.	1702.	2093.	2698.	50.9	240.62	89.62	.02	.16
0346	1983	121	2	43	121.11319	85.84463	250.51539	2153948.	1564892.	2122.	2700.	3434.	51.8	240.65	89.65	.05	.19
0347	1983	121	2	44	121.11389	85.83684	250.66324	2153112.	1563679.	1286.	1487.	1966.	49.2	240.59	89.59	-.01	.13
0348	1983	121	2	45	121.11458	85.83611	250.68043	2153008.	1563557.	1182.	1365.	1806.	49.1	240.59	89.58	-.01	.12
0349	1983	121	2	46	121.11528	85.83741	250.65592	2153147.	1563758.	1322.	1566.	2049.	49.8	240.60	89.59	.00	.13
0350	1983	121	2	47	121.11597	85.83627	250.67056	2153077.	1563600.	1253.	1408.	1885.	48.3	240.58	89.59	-.02	.13
0351	1983	121	2	48	121.11667	85.83555	250.68774	2152973.	1563478.	1150.	1285.	1724.	48.2	240.58	89.58	-.02	.12
0352	1983	121	2	49	121.11736	85.83943	250.61411	2153390.	1564083.	1568.	1890.	2455.	50.3	240.61	89.61	.01	.15
0353	1983	121	2	50	121.11806	85.84187	250.57476	2153599.	1564443.	1778.	2250.	2868.	51.7	240.64	89.62	.04	.16
0354	1983	121	2	51	121.11875	85.83700	250.65336	2153181.	1563722.	1360.	1529.	2047.	48.3	240.58	89.60	-.02	.14
0355	1983	121	2	52	121.11944	85.83555	250.68774	2152973.	1563478.	1153.	1284.	1726.	48.1	240.58	89.58	-.02	.12
0356	1983	121	2	53	121.12014	85.83555	250.68774	2152973.	1563478.	1153.	1284.	1726.	48.1	240.58	89.58	-.02	.12
0357	1983	121	2	54	121.12083	85.83425	250.71221	2152834.	1563277.	1015.	1083.	1484.	46.8	240.57	89.57	-.03	.11
0358	1983	121	2	55	121.12153	85.83368	250.71950	2152799.	1563198.	981.	1004.	1404.	45.6	240.56	89.57	-.04	.11

0359	1983	121	2	56	121.12222	85.83943	250.61411	2153390.	1564083.	1573.	1888.	2458.	50.2	240.61	89.61	.01	.15
0360	1983	121	2	57	121.12292	85.83814	250.63870	2153251.	1563881.	1435.	1686.	2214.	49.6	240.60	89.60	.00	.14
0361	1983	121	2	58	121.12361	85.83757	250.64603	2153216.	1563802.	1400.	1607.	2132.	48.9	240.59	89.60	-.01	.14
0362	1983	121	2	59	121.12431	85.83741	250.65592	2153147.	1563758.	1332.	1564.	2054.	49.6	240.60	89.59	.00	.13
0363	1983	121	3	0	121.12500	85.83352	250.72935	2152730.	1563155.	916.	960.	1327.	46.3	240.57	89.56	-.03	.10
0364	1983	121	3	1	121.12569	85.83482	250.70491	2152869.	1563356.	1055.	1161.	1569.	47.7	240.58	89.57	-.02	.11
0365	1983	121	3	2	121.12639	85.83239	250.74391	2152660.	1562997.	848.	801.	1167.	43.4	240.55	89.56	-.05	.10
0366	1983	121	3	3	121.12708	85.83482	250.70491	2152869.	1563356.	1057.	1160.	1569.	47.7	240.58	89.57	-.02	.11
0367	1983	121	3	4	121.12778	85.83296	250.73663	2152695.	1563076.	884.	880.	1247.	44.8	240.56	89.56	-.04	.10
0368	1983	121	3	5	121.12847	85.83223	250.75375	2152591.	1562954.	781.	758.	1088.	44.1	240.56	89.55	-.04	.09
0369	1983	121	3	6	121.12917	85.83223	250.75375	2152591.	1562954.	782.	757.	1089.	44.1	240.56	89.55	-.04	.09
0370	1983	121	3	7	121.12986	85.83368	250.71950	2152799.	1563198.	991.	1001.	1408.	45.3	240.56	89.57	-.04	.11
0371	1983	121	3	8	121.13056	85.83296	250.73663	2152695.	1563076.	888.	879.	1249.	44.7	240.56	89.56	-.04	.10
0372	1983	121	3	9	121.13125	85.83352	250.72935	2152730.	1563155.	923.	957.	1330.	46.0	240.57	89.56	-.03	.10
0373	1983	121	3	10	121.13194	85.83425	250.71221	2152834.	1563277.	1028.	1079.	1490.	46.4	240.57	89.57	-.03	.11
0374	1983	121	3	11	121.13264	85.83409	250.72206	2152765.	1563234.	959.	1036.	1412.	47.2	240.58	89.56	-.02	.10
0375	1983	121	3	12	121.13333	85.83814	250.63870	2153251.	1563881.	1446.	1683.	2219.	49.3	240.60	89.60	-.00	.14
0376	1983	121	3	13	121.13403	85.83741	250.65592	2153147.	1563758.	1343.	1560.	2058.	49.3	240.60	89.59	-.00	.13
0377	1983	121	3	14	121.13472	85.83927	250.62402	2153321.	1564039.	1518.	1841.	2386.	50.5	240.62	89.60	.02	.14
0378	1983	121	3	15	121.13542	85.83984	250.61667	2153356.	1564119.	1554.	1920.	2470.	51.0	240.63	89.60	.02	.14
0379	1983	121	3	16	121.13611	85.83668	250.67312	2153042.	1563636.	1241.	1437.	1899.	49.2	240.60	89.58	-.01	.12
0380	1983	121	3	17	121.13681	85.84317	250.55007	2153739.	1564646.	1939.	2446.	3121.	51.6	240.65	89.63	.04	.17
0381	1983	121	3	18	121.13750	85.83498	250.69505	2152938.	1563399.	1138.	1199.	1653.	46.5	240.57	89.58	-.04	.12
0382	1983	121	3	19	121.13819	85.83814	250.63870	2153251.	1563881.	1452.	1681.	2221.	49.2	240.60	89.60	-.01	.14
0383	1983	121	3	20	121.13889	85.84162	250.56228	2153704.	1564451.	1906.	2250.	2949.	49.7	240.61	89.64	.00	.18
0384	1983	121	3	21	121.13958	85.84000	250.60676	2153425.	1564162.	1628.	1961.	2549.	50.3	240.62	89.61	.01	.15
0385	1983	121	3	22	121.14028	85.83943	250.61411	2153390.	1564083.	1594.	1882.	2466.	49.7	240.61	89.61	.00	.15
0386	1983	121	3	23	121.14097	85.84000	250.60676	2153425.	1564162.	1630.	1961.	2549.	50.3	240.62	89.61	.01	.15
0387	1983	121	3	24	121.14167	85.84130	250.58213	2153564.	1564364.	1770.	2163.	2794.	50.7	240.63	89.62	.02	.16
0388	1983	121	3	25	121.14236	85.84592	250.49061	2154088.	1565094.	2295.	2893.	3692.	51.6	240.66	89.66	.05	.20
0389	1983	121	3	26	121.14306	85.84032	250.58694	2153564.	1564248.	1771.	2046.	2706.	49.1	240.60	89.63	-.01	.17
0390	1983	121	3	27	121.14375	85.84114	250.59205	2153495.	1564321.	1703.	2118.	2718.	51.2	240.64	89.61	.03	.15
0391	1983	121	3	28	121.14444	85.84260	250.55745	2153704.	1564566.	1913.	2364.	3041.	51.0	240.64	89.63	.03	.17
0392	1983	121	3	29	121.14514	85.84219	250.55490	2153739.	1564530.	1948.	2327.	3035.	50.1	240.62	89.64	.01	.18
0393	1983	121	3	30	121.14583	85.84146	250.57221	2153634.	1564407.	1844.	2204.	2874.	50.1	240.62	89.63	.01	.17
0394	1983	121	3	31	121.14653	85.84203	250.56483	2153669.	1564487.	1680.	2283.	2958.	50.5	240.63	89.63	.02	.17
0395	1983	121	3	32	121.14722	85.84520	250.50799	2153984.	1564971.	2195.	2768.	3533.	51.6	240.66	89.65	.05	.19
0396	1983	121	3	33	121.14792	85.84130	250.58213	2153564.	1564364.	1777.	2160.	2797.	50.6	240.63	89.62	.02	.16
0397	1983	121	3	34	121.14861	85.84016	250.59685	2153495.	1564205.	1708.	2001.	2631.	49.5	240.61	89.62	-.00	.16
0398	1983	121	3	35	121.14931	85.84390	250.53274	2153844.	1564769.	2058.	2564.	3288.	51.3	240.65	89.64	.04	.18
0399	1983	121	3	36	121.15000	85.84073	250.58949	2153529.	1564285.	1744.	2080.	2715.	50.0	240.62	89.62	.01	.17
0400	1983	121	3	37	121.15069	85.83943	250.61411	2153390.	1564083.	1606.	1878.	2471.	49.5	240.61	89.61	-.00	.16
0401	1983	121	3	38	121.15139	85.84390	250.53274	2153844.	1564769.	2060.	2563.	3289.	51.2	240.65	89.64	.04	.19
0402	1983	121	3	39	121.15208	85.84073	250.58949	2153529.	1564285.	1747.	2079.	2716.	50.0	240.62	89.62	.01	.17
0403	1983	121	3	40	121.15278	85.84244	250.56739	2153634.	1564523.	1853.	2317.	2967.	51.4	240.65	89.62	.04	.17

0404	1983	121	3	41	121.15347	85.83684	250.66324	2153112.	1563679.	1331.	1473.	1985.	47.9	240.59	89.59	-.02	.14
0405	1983	121	3	42	121.15417	85.83798	250.64859	2153181.	1563838.	1401.	1631.	2151.	49.3	240.61	89.59	-.00	.14
0406	1983	121	3	43	121.15486	85.83927	250.62402	2153321.	1564039.	1541.	1833.	2395.	49.9	240.62	89.60	.01	.15
0407	1983	121	3	44	121.15556	85.84114	250.59205	2153495.	1564321.	1716.	2114.	2723.	50.9	240.64	89.61	.03	.16
0408	1983	121	3	45	121.15625	85.84187	250.57476	2153599.	1564443.	1822.	2236.	2884.	50.8	240.64	89.62	.03	.17
0409	1983	121	3	46	121.15694	85.83725	250.66580	2153077.	1563715.	1300.	1508.	1991.	49.2	240.61	89.58	-.00	.13
0410	1983	121	3	47	121.15764	85.83684	250.66324	2153112.	1563679.	1336.	1472.	1987.	47.8	240.59	89.59	-.03	.14
0411	1983	121	3	48	121.15833	85.84244	250.56739	2153634.	1564523.	1859.	2315.	2969.	51.2	240.65	89.62	.03	.17
0412	1983	121	3	49	121.15903	85.84317	250.55007	2153739.	1564646.	1965.	2438.	3131.	51.1	240.65	89.63	.03	.18
0413	1983	121	3	50	121.15972	85.83725	250.66580	2153077.	1563715.	1303.	1507.	1992.	49.1	240.61	89.58	-.01	.13
0414	1983	121	3	51	121.16042	85.84057	250.59941	2153460.	1564241.	1687.	2033.	2642.	50.3	240.63	89.61	.01	.16
0415	1983	121	3	52	121.16111	85.83798	250.64859	2153181.	1563838.	1409.	1629.	2154.	49.1	240.61	89.59	-.01	.14
0416	1983	121	3	53	121.16181	85.83855	250.64126	2153216.	1563917.	1445.	1708.	2237.	49.8	240.62	89.59	.00	.14
0417	1983	121	3	54	121.16250	85.84171	250.58469	2153530.	1564400.	1759.	2191.	2810.	51.2	240.65	89.61	.03	.16
0418	1983	121	3	55	121.16319	85.84187	250.57476	2153599.	1564443.	1830.	2234.	2887.	50.7	240.64	89.62	.02	.17
0419	1983	121	3	56	121.16389	85.83725	250.66580	2153077.	1563715.	1308.	1505.	1994.	49.0	240.61	89.58	-.01	.13
0420	1983	121	3	57	121.16458	85.83959	250.60421	2153460.	1564126.	1691.	1916.	2556.	48.6	240.60	89.62	-.02	.17
0421	1983	121	3	58	121.16528	85.83943	250.61411	2153390.	1564083.	1623.	1872.	2478.	49.1	240.61	89.61	-.01	.16
0422	1983	121	3	59	121.16597	85.83887	250.62146	2153355.	1564003.	1589.	1793.	2395.	48.5	240.60	89.61	-.02	.16
0423	1983	121	4	0	121.16667	85.83814	250.63870	2153251.	1563881.	1485.	1670.	2235.	48.3	240.60	89.60	-.02	.15
0424	1983	121	4	1	121.16736	85.83595	250.69030	2152938.	1563514.	1173.	1303.	1753.	48.0	240.60	89.57	-.02	.12
0425	1983	121	4	2	121.16806	85.83927	250.62402	2153321.	1564039.	1557.	1828.	2401.	49.6	240.62	89.60	.00	.15
0426	1983	121	4	3	121.16875	85.83871	250.63136	2153286.	1563960.	1522.	1748.	2318.	48.9	240.61	89.60	-.01	.15
0427	1983	121	4	4	121.16944	85.83895	250.64382	2153182.	1563953.	1419.	1741.	2246.	50.8	240.64	89.58	.02	.13
0428	1983	121	4	5	121.17014	85.83782	250.65848	2153112.	1563794.	1350.	1582.	2080.	49.5	240.62	89.58	-.00	.13
0429	1983	121	4	6	121.17083	85.83855	250.64126	2153216.	1563917.	1455.	1704.	2241.	49.5	240.62	89.59	-.00	.14
0430	1983	121	4	7	121.17153	85.83927	250.62402	2153321.	1564039.	1561.	1826.	2402.	49.5	240.62	89.60	-.00	.15
0431	1983	121	4	8	121.17222	85.83839	250.65115	2153147.	1563874.	1388.	1661.	2164.	50.1	240.63	89.58	.01	.13
0432	1983	121	4	9	121.17292	85.83782	250.65848	2153112.	1563794.	1354.	1581.	2081.	49.4	240.62	89.58	-.00	.13
0433	1983	121	4	10	121.17361	85.83223	250.75375	2152591.	1562954.	834.	740.	1115.	41.6	240.56	89.55	-.06	.10
0434	1983	121	4	11	121.17431	85.83409	250.72206	2152765.	1563234.	1008.	1020.	1434.	45.3	240.58	89.56	-.04	.11
0435	1983	121	4	12	121.17500	85.83409	250.72206	2152765.	1563234.	1009.	1020.	1434.	45.3	240.58	89.56	-.04	.11
0436	1983	121	4	13	121.17569	85.83668	250.67312	2153042.	1563636.	1287.	1422.	1918.	47.8	240.60	89.58	-.02	.13
0437	1983	121	4	14	121.17639	85.83927	250.62402	2153321.	1564039.	1566.	1825.	2405.	49.4	240.62	89.60	-.00	.15
0438	1983	121	4	15	121.17708	85.83741	250.65592	2153147.	1563758.	1393.	1543.	2079.	47.9	240.60	89.59	-.02	.14
0439	1983	121	4	16	121.17778	85.84374	250.54268	2153774.	1564725.	2021.	2510.	3223.	51.2	240.66	89.63	.04	.18
0440	1983	121	4	17	121.17847	85.83684	250.66324	2153112.	1563679.	1360.	1464.	1998.	47.1	240.59	89.59	-.03	.14
0441	1983	121	4	18	121.17917	85.84244	250.56739	2153634.	1564523.	1883.	2307.	2978.	50.8	240.65	89.62	.02	.17
0442	1983	121	4	19	121.17986	85.83984	250.61667	2153356.	1564119.	1605.	1903.	2489.	49.8	240.63	89.60	.00	.15
0443	1983	121	4	20	121.18056	85.83223	250.75375	2152591.	1562954.	842.	738.	1119.	41.2	240.56	89.55	-.07	.10
0444	1983	121	4	21	121.18125	85.83782	250.65848	2153112.	1563794.	1363.	1578.	2085.	49.2	240.62	89.58	-.01	.13
0445	1983	121	4	22	121.18194	85.84155	250.59461	2153460.	1564357.	1712.	2140.	2741.	51.3	240.66	89.60	.03	.15
0446	1983	121	4	23	121.18264	85.83927	250.62402	2153321.	1564039.	1573.	1822.	2408.	49.2	240.62	89.60	-.01	.15
0447	1983	121	4	24	121.18333	85.84057	250.59941	2153460.	1564241.	1714.	2024.	2652.	49.7	240.63	89.61	.00	.16
0448	1983	121	4	25	121.18403	85.83855	250.64126	2153216.	1563917.	1471.	1699.	2247.	49.1	240.62	89.59	-.01	.14

0449	1983	121	4	26	121.18472	85.84098	250.60197	2153425.	1564277.	1681.	2059.	2658.	50.8	240.65	89.60	.02	.15
0450	1983	121	4	27	121.18542	85.84041	250.60932	2153390.	1564198.	1647.	1980.	2575.	50.3	240.64	89.60	.01	.15
0451	1983	121	4	28	121.18611	85.83684	250.66324	2153112.	1563679.	1369.	1461.	2002.	46.9	240.59	89.59	-.04	.14
0452	1983	121	4	29	121.18681	85.84041	250.60932	2153390.	1564198.	1648.	1979.	2576.	50.2	240.64	89.60	.01	.15
0453	1983	121	4	30	121.18750	85.83911	250.63392	2153251.	1563996.	1510.	1777.	2332.	49.7	240.63	89.59	.00	.14
0454	1983	121	4	31	121.18819	85.84764	250.46834	2154194.	1565333.	2453.	3114.	3964.	51.8	240.69	89.66	.06	.22
0455	1983	121	4	32	121.18889	85.83798	250.64859	2153181.	1563838.	1442.	1618.	2167.	48.3	240.61	89.59	-.02	.15
0456	1983	121	4	33	121.18958	85.83539	250.69761	2152903.	1563435.	1164.	1215.	1683.	46.2	240.59	89.57	-.04	.13
0457	1983	121	4	34	121.19028	85.83855	250.64126	2153216.	1563917.	1478.	1697.	2250.	48.9	240.62	89.59	-.01	.15
0458	1983	121	4	35	121.19097	85.83855	250.64126	2153216.	1563917.	1479.	1697.	2251.	48.9	240.62	89.59	-.01	.15
0459	1983	121	4	36	121.19167	85.84260	250.55745	2153704.	1564566.	1967.	2346.	3061.	50.0	240.64	89.63	.01	.19
0460	1983	121	4	37	121.19236	85.84317	250.55007	2153739.	1564646.	2003.	2425.	3145.	50.4	240.65	89.63	.02	.19
0461	1983	121	4	38	121.19306	85.83927	250.62402	2153321.	1564039.	1586.	1818.	2412.	48.9	240.62	89.60	-.01	.16
0462	1983	121	4	39	121.19375	85.84171	250.58469	2153530.	1564400.	1796.	2179.	2823.	50.5	240.65	89.61	.02	.17
0463	1983	121	4	40	121.19444	85.84358	250.55263	2153704.	1564682.	1971.	2460.	3152.	51.3	240.67	89.62	.04	.18
0464	1983	121	4	41	121.19514	85.84390	250.53274	2153844.	1564769.	2111.	2547.	3308.	50.3	240.65	89.64	.02	.20
0465	1983	121	4	42	121.19583	85.83871	250.63136	2153286.	1563960.	1554.	1738.	2331.	48.2	240.61	89.60	-.02	.16
0466	1983	121	4	43	121.19653	85.83855	250.64126	2153216.	1563917.	1485.	1694.	2253.	48.8	240.62	89.59	-.01	.15
0467	1983	121	4	44	121.19722	85.83927	250.62402	2153321.	1564039.	1590.	1817.	2414.	48.8	240.62	89.60	-.01	.16
0468	1983	121	4	45	121.19792	85.83798	250.64859	2153181.	1563838.	1452.	1615.	2171.	48.0	240.61	89.59	-.02	.15
0469	1983	121	4	46	121.19861	85.84057	250.59941	2153460.	1564241.	1731.	2018.	2659.	49.4	240.63	89.61	-.00	.17
0470	1983	121	4	47	121.19931	85.84260	250.55745	2153704.	1564566.	1976.	2343.	3065.	49.8	240.64	89.63	.01	.19
0471	1983	121	4	48	121.20000	85.84244	250.56739	2153634.	1564523.	1907.	2299.	2987.	50.3	240.65	89.62	.02	.18
0472	1983	121	4	49	121.20069	85.83814	250.63870	2153251.	1563881.	1525.	1657.	2252.	47.4	240.60	89.60	-.03	.16
0473	1983	121	4	50	121.20139	85.84171	250.58469	2153530.	1564400.	1804.	2176.	2827.	50.3	240.65	89.61	.01	.17
0474	1983	121	4	51	121.20208	85.83855	250.64126	2153216.	1563917.	1492.	1692.	2256.	48.6	240.62	89.59	-.02	.15
0475	1983	121	4	52	121.20278	85.84187	250.57476	2153599.	1564443.	1876.	2218.	2905.	49.8	240.64	89.62	.00	.18
0476	1983	121	4	53	121.20347	85.83984	250.61667	2153356.	1564119.	1633.	1893.	2500.	49.2	240.63	89.60	-.01	.16
0477	1983	121	4	54	121.20417	85.84114	250.59205	2153495.	1564321.	1773.	2095.	2745.	49.8	240.64	89.61	.00	.17
0478	1983	121	4	55	121.20486	85.84187	250.57476	2153599.	1564443.	1878.	2218.	2906.	49.7	240.64	89.62	.00	.18
0479	1983	121	4	56	121.20556	85.84114	250.59205	2153495.	1564321.	1774.	2095.	2745.	49.7	240.64	89.61	.00	.17
0480	1983	121	4	57	121.20625	85.84114	250.59205	2153495.	1564321.	1775.	2094.	2745.	49.7	240.64	89.61	.00	.17
0481	1983	121	4	58	121.20694	85.83984	250.61667	2153356.	1564119.	1637.	1892.	2502.	49.1	240.63	89.60	-.01	.16
0482	1983	121	4	59	121.20764	85.84691	250.48574	2154089.	1565210.	2371.	2983.	3811.	51.5	240.69	89.65	.05	.21
0483	1983	121	5	0	121.20833	85.84260	250.55745	2153704.	1564566.	1987.	2339.	3069.	49.7	240.64	89.63	.00	.19
0484	1983	121	5	1	121.20903	85.84244	250.56739	2153634.	1564523.	1918.	2295.	2991.	50.1	240.65	89.62	.01	.18
0485	1983	121	5	2	121.20972	85.83927	250.62402	2153321.	1564039.	1605.	1812.	2420.	48.5	240.62	89.60	-.02	.16
0486	1983	121	5	3	121.21042	85.84260	250.55745	2153704.	1564566.	1989.	2338.	3070.	49.6	240.64	89.63	.00	.19
0487	1983	121	5	4	121.21111	85.84114	250.59205	2153495.	1564321.	1781.	2093.	2748.	49.6	240.64	89.61	.00	.17
0488	1983	121	5	5	121.21181	85.83595	250.69030	2152938.	1563514.	1225.	1286.	1776.	46.4	240.60	89.57	-.04	.13
0489	1983	121	5	6	121.21250	85.84057	250.59941	2153460.	1564241.	1747.	2013.	2665.	49.0	240.63	89.61	-.01	.17
0490	1983	121	5	7	121.21319	85.83984	250.61667	2153356.	1564119.	1644.	1890.	2505.	49.0	240.63	89.60	-.01	.16
0491	1983	121	5	8	121.21389	85.84187	250.57476	2153599.	1564443.	1889.	2214.	2910.	49.5	240.64	89.62	-.00	.18
0492	1983	121	5	9	121.21458	85.84000	250.60676	2153425.	1564162.	1715.	1932.	2584.	48.4	240.62	89.61	-.02	.17
0493	1983	121	5	10	121.21528	85.84260	250.55745	2153704.	1564566.	1995.	2336.	3072.	49.5	240.64	89.63	-.00	.19

0494	1983	121	5	11	121.21597	85.84057	250.59941	2153460.	1564241.	1751.	2011.	2667.	48.9	240.63	89.61	-.01	.17
0495	1983	121	5	12	121.21667	85.84114	250.59205	2153495.	1564321.	1787.	2090.	2750.	49.5	240.64	89.61	-.00	.17
0496	1983	121	5	13	121.21736	85.83741	250.65592	2153147.	1563758.	1440.	1528.	2099.	46.7	240.60	89.59	-.04	.15
0497	1983	121	5	14	121.21806	85.84431	250.53529	2153809.	1564805.	2103.	2574.	3324.	50.7	240.67	89.63	.03	.19
0498	1983	121	5	15	121.21875	85.84260	250.55745	2153704.	1564566.	1999.	2335.	3074.	49.4	240.64	89.63	-.00	.19
0499	1983	121	5	16	121.21944	85.83968	250.62658	2153286.	1564075.	1582.	1844.	2429.	49.4	240.64	89.59	-.00	.15
0500	1983	121	5	17	121.22014	85.83855	250.64126	2153216.	1563917.	1513.	1685.	2265.	48.1	240.62	89.59	-.02	.15
0501	1983	121	5	18	121.22083	85.83498	250.69505	2152938.	1563399.	1235.	1167.	1699.	43.4	240.57	89.58	-.07	.14
0502	1983	121	5	19	121.22153	85.84602	250.51309	2153914.	1565043.	2212.	2811.	3577.	51.8	240.70	89.63	.06	.19
0503	1983	121	5	20	121.22222	85.84146	250.57221	2153634.	1564407.	1933.	2175.	2910.	48.4	240.62	89.63	-.02	.19
0504	1983	121	5	21	121.22292	85.84073	250.58949	2153529.	1564285.	1829.	2052.	2749.	48.3	240.62	89.62	-.03	.18
0505	1983	121	5	22	121.22361	85.84073	250.58949	2153529.	1564285.	1830.	2052.	2749.	48.3	240.62	89.62	-.03	.18
0506	1983	121	5	23	121.22431	85.83855	250.64126	2153216.	1563917.	1517.	1684.	2267.	48.0	240.62	89.59	-.03	.15
0507	1983	121	5	24	121.22500	85.84041	250.60932	2153390.	1564198.	1692.	1965.	2593.	49.3	240.64	89.60	-.01	.16
0508	1983	121	5	25	121.22569	85.83482	250.70491	2152869.	1563356.	1171.	1122.	1622.	43.8	240.58	89.57	-.07	.14
0509	1983	121	5	26	121.22639	85.84545	250.52050	2153879.	1564964.	2183.	2730.	3495.	51.4	240.69	89.63	.04	.20
0510	1983	121	5	27	121.22708	85.83927	250.62402	2153321.	1564039.	1625.	1805.	2429.	48.0	240.62	89.60	-.03	.17
0511	1983	121	5	28	121.22778	85.84057	250.59941	2153460.	1564241.	1765.	2007.	2673.	48.7	240.63	89.61	-.02	.18
0512	1983	121	5	29	121.22847	85.83539	250.69761	2152903.	1563435.	1209.	1200.	1704.	44.8	240.59	89.57	-.06	.14
0513	1983	121	5	30	121.22917	85.83855	250.64126	2153216.	1563917.	1523.	1682.	2269.	47.8	240.62	89.59	-.03	.16
0514	1983	121	5	31	121.22986	85.83393	250.73191	2152695.	1563191.	1003.	955.	1385.	43.6	240.59	89.55	-.06	.12
0515	1983	121	5	32	121.23056	85.84431	250.53529	2153809.	1564805.	2118.	2569.	3329.	50.5	240.67	89.63	.02	.20
0516	1983	121	5	33	121.23125	85.83539	250.69761	2152903.	1563435.	1213.	1199.	1705.	44.7	240.59	89.57	-.06	.14
0517	1983	121	5	34	121.23194	85.83855	250.64126	2153216.	1563917.	1526.	1681.	2270.	47.8	240.62	89.59	-.03	.16
0518	1983	121	5	35	121.23264	85.84114	250.59205	2153495.	1564321.	1806.	2084.	2758.	49.1	240.64	89.61	-.01	.18
0519	1983	121	5	36	121.23333	85.83927	250.62402	2153321.	1564039.	1632.	1803.	2432.	47.8	240.62	89.60	-.03	.17
0520	1983	121	5	37	121.23403	85.83539	250.69761	2152903.	1563435.	1216.	1198.	1707.	44.6	240.59	89.57	-.06	.14
0521	1983	121	5	38	121.23472	85.83782	250.65848	2153112.	1563794.	1425.	1557.	2111.	47.5	240.62	89.58	-.03	.15
0522	1983	121	5	39	121.23542	85.84301	250.56001	2153669.	1564602.	1984.	2365.	3087.	50.0	240.66	89.62	.01	.19
0523	1983	121	5	40	121.23611	85.83871	250.63136	2153286.	1563960.	1601.	1722.	2351.	47.1	240.61	89.60	-.04	.17
0524	1983	121	5	41	121.23681	85.83466	250.71477	2152799.	1563313.	1115.	1075.	1549.	43.9	240.59	89.56	-.06	.13
0525	1983	121	5	42	121.23750	85.83555	250.68774	2152973.	1563478.	1289.	1240.	1789.	43.9	240.58	89.58	-.07	.15
0526	1983	121	5	43	121.23819	85.83984	250.61667	2153356.	1564119.	1673.	1880.	2517.	48.3	240.63	89.60	-.02	.17
0527	1983	121	5	44	121.23889	85.84057	250.59941	2153460.	1564241.	1778.	2002.	2678.	48.4	240.63	89.61	-.02	.18
0528	1983	121	5	45	121.23958	85.84545	250.52050	2153879.	1564964.	2198.	2725.	3501.	51.1	240.69	89.63	.04	.20
0529	1983	121	5	46	121.24028	85.84171	250.58469	2153530.	1564400.	1850.	2161.	2844.	49.4	240.65	89.61	-.00	.18
0530	1983	121	5	47	121.24097	85.83782	250.65848	2153112.	1563794.	1433.	1555.	2114.	47.3	240.62	89.58	-.03	.15
0531	1983	121	5	48	121.24167	85.83911	250.63392	2153251.	1563996.	1572.	1756.	2357.	48.2	240.63	89.59	-.02	.16
0532	1983	121	5	49	121.24236	85.83782	250.65848	2153112.	1563794.	1434.	1554.	2115.	47.3	240.62	89.58	-.03	.15
0533	1983	121	5	50	121.24306	85.83782	250.65848	2153112.	1563794.	1435.	1554.	2115.	47.3	240.62	89.58	-.03	.15
0534	1983	121	5	51	121.24375	85.84114	250.59205	2153495.	1564321.	1819.	2080.	2763.	48.8	240.64	89.61	-.01	.18
0535	1983	121	5	52	121.24444	85.83782	250.65848	2153112.	1563794.	1437.	1554.	2116.	47.2	240.62	89.58	-.03	.15
0536	1983	121	5	53	121.24514	85.84171	250.58469	2153530.	1564400.	1855.	2159.	2846.	49.3	240.65	89.61	-.01	.18
0537	1983	121	5	54	121.24583	85.83839	250.65115	2153147.	1563874.	1473.	1632.	2199.	47.9	240.63	89.58	-.03	.15
0538	1983	121	5	55	121.24653	85.83952	250.63648	2153217.	1564032.	1544.	1790.	2364.	49.2	240.65	89.58	-.01	.15

0539	1983	121	5	56	121.24722	85.84114	250.59205	2153495.	1564321.	1823.	2079.	2765.	48.8	240.64	89.61	-.02	.18
0540	1983	121	5	57	121.24792	85.84415	250.54524	2153739.	1564761.	2068.	2519.	3259.	50.6	240.68	89.62	.02	.19
0541	1983	121	5	58	121.24861	85.84529	250.53045	2153810.	1564920.	2139.	2678.	3427.	51.4	240.70	89.62	.04	.19
0542	1983	121	5	59	121.24931	85.84171	250.58469	2153530.	1564400.	1860.	2157.	2848.	49.2	240.65	89.61	-.01	.18
0543	1983	121	6	0	121.25000	85.84212	250.58724	2153495.	1564436.	1826.	2193.	2854.	50.2	240.67	89.60	.01	.17
0544	1983	121	6	1	121.25069	85.84415	250.54524	2153739.	1564761.	2071.	2518.	3260.	50.6	240.68	89.62	.02	.19
0545	1983	121	6	2	121.25139	85.84399	250.55518	2153670.	1564718.	2002.	2474.	3183.	51.0	240.69	89.61	.03	.18
0546	1983	121	6	3	121.25208	85.83968	250.62658	2153286.	1564075.	1619.	1831.	2445.	48.5	240.64	89.59	-.02	.16
0547	1983	121	6	4	121.25278	85.84529	250.53045	2153810.	1564920.	2144.	2676.	3429.	51.3	240.70	89.62	.04	.19
0548	1983	121	6	5	121.25347	85.84041	250.60932	2153390.	1564198.	1725.	1953.	2606.	48.5	240.64	89.60	-.02	.17
0549	1983	121	6	6	121.25417	85.84228	250.57732	2153565.	1564479.	1901.	2234.	2933.	49.6	240.66	89.61	.00	.18
0550	1983	121	6	7	121.25486	85.84082	250.61188	2153356.	1564234.	1692.	1989.	2611.	49.6	240.66	89.59	.00	.16
0551	1983	121	6	8	121.25556	85.84285	250.56994	2153600.	1564559.	1937.	2313.	3017.	50.1	240.67	89.61	.01	.18
0552	1983	121	6	9	121.25625	85.84171	250.58469	2153530.	1564400.	1868.	2154.	2851.	49.1	240.65	89.61	-.01	.18
0553	1983	121	6	10	121.25694	85.83693	250.68556	2152938.	1563629.	1277.	1383.	1882.	47.3	240.63	89.56	-.03	.13
0554	1983	121	6	11	121.25764	85.83911	250.63392	2153251.	1563996.	1591.	1749.	2365.	47.7	240.63	89.59	-.03	.16
0555	1983	121	6	12	121.25833	85.83839	250.65115	2153147.	1563874.	1487.	1627.	2204.	47.6	240.63	89.58	-.03	.15
0556	1983	121	6	13	121.25903	85.83911	250.63392	2153251.	1563996.	1592.	1749.	2365.	47.7	240.63	89.59	-.03	.16
0557	1983	121	6	14	121.25972	85.83823	250.66104	2153077.	1563830.	1419.	1583.	2126.	48.1	240.64	89.57	-.02	.14
0558	1983	121	6	15	121.26042	85.83579	250.70017	2152869.	1563471.	1212.	1223.	1722.	45.3	240.61	89.56	-.05	.13
0559	1983	121	6	16	121.26111	85.84488	250.52790	2153844.	1564884.	2188.	2636.	3426.	50.3	240.68	89.63	.02	.20
0560	1983	121	6	17	121.26181	85.83855	250.64126	2153216.	1563917.	1561.	1668.	2284.	46.9	240.62	89.59	-.04	.16
0561	1983	121	6	18	121.26250	85.83579	250.70017	2152869.	1563471.	1214.	1222.	1722.	45.2	240.61	89.56	-.05	.13
0562	1983	121	6	19	121.26319	85.84082	250.61188	2153356.	1564234.	1702.	1985.	2614.	49.4	240.66	89.59	-.00	.17
0563	1983	121	6	20	121.26389	85.84041	250.60932	2153390.	1564198.	1737.	1948.	2610.	48.3	240.64	89.60	-.02	.18
0564	1983	121	6	21	121.26458	85.84285	250.56994	2153600.	1564559.	1947.	2309.	3021.	49.9	240.67	89.61	.01	.19
0565	1983	121	6	22	121.26528	85.84415	250.54524	2153739.	1564761.	2088.	2511.	3266.	50.3	240.68	89.62	.02	.20
0566	1983	121	6	23	121.26597	85.83693	250.68556	2152938.	1563629.	1288.	1378.	1886.	47.0	240.63	89.56	-.04	.14
0567	1983	121	6	24	121.26667	85.84025	250.61923	2153321.	1564155.	1671.	1904.	2533.	48.7	240.65	89.59	-.02	.17
0568	1983	121	6	25	121.26736	85.83895	250.64382	2153182.	1563953.	1532.	1702.	2290.	48.0	240.64	89.58	-.03	.16
0569	1983	121	6	26	121.26806	85.83968	250.62658	2153286.	1564075.	1638.	1824.	2451.	48.1	240.64	89.59	-.03	.17
0570	1983	121	6	27	121.26875	85.83766	250.66836	2153043.	1563751.	1395.	1499.	2048.	47.1	240.63	89.57	-.04	.15
0571	1983	121	6	28	121.26944	85.84269	250.57988	2153530.	1564515.	1883.	2263.	2944.	50.2	240.68	89.60	.01	.18
0572	1983	121	6	29	121.27014	85.83652	250.68299	2152973.	1563593.	1327.	1340.	1886.	45.3	240.61	89.57	-.06	.15
0573	1983	121	6	30	121.27083	85.84285	250.56994	2153600.	1564559.	1954.	2306.	3023.	49.7	240.67	89.61	.00	.19
0574	1983	121	6	31	121.27153	85.83579	250.70017	2152869.	1563471.	1224.	1218.	1727.	44.8	240.61	89.56	-.06	.14
0575	1983	121	6	32	121.27222	85.84342	250.56257	2153635.	1564638.	1991.	2385.	3107.	50.1	240.68	89.61	.01	.19
0576	1983	121	6	33	121.27292	85.84155	250.59461	2153460.	1564357.	1817.	2103.	2779.	49.2	240.66	89.60	-.01	.18
0577	1983	121	6	34	121.27361	85.83579	250.70017	2152869.	1563471.	1227.	1217.	1728.	44.8	240.61	89.56	-.06	.14
0578	1983	121	6	35	121.27431	85.84212	250.58724	2153495.	1564436.	1854.	2182.	2863.	49.6	240.67	89.60	.00	.18
0579	1983	121	6	36	121.27500	85.83952	250.63648	2153217.	1564032.	1576.	1777.	2375.	48.4	240.65	89.58	-.02	.16
0580	1983	121	6	37	121.27569	85.83952	250.63648	2153217.	1564032.	1577.	1777.	2376.	48.4	240.65	89.58	-.02	.16
0581	1983	121	6	38	121.27639	85.84269	250.57988	2153530.	1564515.	1891.	2260.	2947.	50.1	240.68	89.60	.01	.18
0582	1983	121	6	39	121.27708	85.83636	250.69287	2152904.	1563550.	1265.	1294.	1810.	45.6	240.62	89.56	-.05	.14
0583	1983	121	6	40	121.27778	85.84285	250.56994	2153600.	1564559.	1962.	2303.	3025.	49.6	240.67	89.61	-.00	.19

0584	1983	121	6	41	121.27847	85.83750	250.67825	2152973.	1563708.	1337.	1452.	1973.	47.4	240.64	89.56	-.03	.14
0585	1983	121	6	42	121.27917	85.83563	250.71004	2152800.	1563428.	1164.	1171.	1651.	45.2	240.62	89.55	-.05	.13
0586	1983	121	6	43	121.27986	85.83547	250.71990	2152730.	1563385.	1095.	1127.	1572.	45.8	240.63	89.54	-.04	.12
0587	1983	121	6	44	121.28056	85.84212	250.58724	2153495.	1564436.	1861.	2179.	2865.	49.5	240.67	89.60	-.00	.18
0588	1983	121	6	45	121.28125	85.83677	250.69543	2152869.	1563586.	1236.	1328.	1814.	47.1	240.64	89.55	-.03	.13
0589	1983	121	6	46	121.28194	85.83693	250.68556	2152938.	1563629.	1306.	1371.	1893.	46.4	240.63	89.56	-.04	.14
0590	1983	121	6	47	121.28264	85.83880	250.65371	2153112.	1563910.	1480.	1651.	2218.	48.1	240.65	89.57	-.02	.15
0591	1983	121	6	48	121.28333	85.83547	250.71990	2152730.	1563385.	1099.	1126.	1573.	45.7	240.63	89.54	-.04	.12
0592	1983	121	6	49	121.28403	85.83952	250.63648	2153217.	1564032.	1586.	1773.	2379.	48.2	240.65	89.58	-.02	.16
0593	1983	121	6	50	121.28472	85.84009	250.62914	2153251.	1564111.	1622.	1852.	2462.	48.8	240.66	89.58	-.01	.16
0594	1983	121	6	51	121.28542	85.84009	250.62914	2153251.	1564111.	1623.	1852.	2462.	48.8	240.66	89.58	-.01	.16
0595	1983	121	6	52	121.28611	85.83677	250.69543	2152869.	1563586.	1241.	1326.	1816.	46.9	240.64	89.55	-.03	.13
0596	1983	121	6	53	121.28681	85.83880	250.65371	2153112.	1563910.	1485.	1649.	2219.	48.0	240.65	89.57	-.02	.15
0597	1983	121	6	54	121.28750	85.83418	250.74433	2152592.	1563184.	965.	923.	1335.	43.7	240.62	89.53	-.06	.11
0598	1983	121	6	55	121.28819	85.83418	250.74433	2152592.	1563184.	966.	923.	1336.	43.7	240.62	89.53	-.06	.11
0599	1983	121	6	56	121.28889	85.83677	250.69543	2152869.	1563586.	1244.	1324.	1817.	46.8	240.64	89.55	-.04	.13
0600	1983	121	6	57	121.28958	85.83993	250.63904	2153182.	1564068.	1558.	1806.	2385.	49.2	240.67	89.57	-.01	.15
0601	1983	121	6	58	121.29028	85.83102	250.80033	2152280.	1562703.	657.	441.	791.	33.9	240.59	89.51	-.09	.09
0602	1983	121	6	59	121.29097	85.83547	250.71990	2152730.	1563385.	1108.	1122.	1577.	45.4	240.63	89.54	-.05	.12
0603	1983	121	7	0	121.29167	85.83823	250.66104	2153077.	1563830.	1456.	1568.	2139.	47.1	240.64	89.57	-.04	.15
0604	1983	121	7	1	121.29236	85.84066	250.62179	2153286.	1564191.	1666.	1928.	2548.	49.2	240.67	89.58	-.01	.16
0605	1983	121	7	2	121.29306	85.84066	250.62179	2153286.	1564191.	1666.	1927.	2548.	49.2	240.67	89.58	-.01	.16
0606	1983	121	7	3	121.29375	85.83547	250.71990	2152730.	1563385.	1111.	1121.	1578.	45.3	240.63	89.54	-.05	.12
0607	1983	121	7	4	121.29444	85.84009	250.62914	2153251.	1564111.	1633.	1847.	2466.	48.5	240.66	89.58	-.02	.16
0608	1983	121	7	5	121.29514	85.83750	250.67825	2152973.	1563708.	1356.	1444.	1980.	46.8	240.64	89.56	-.04	.14
0609	1983	121	7	6	121.29583	85.84009	250.62914	2153251.	1564111.	1635.	1847.	2466.	48.5	240.66	89.58	-.02	.16
0610	1983	121	7	7	121.29653	85.83636	250.69287	2152904.	1563550.	1288.	1285.	1819.	44.9	240.62	89.56	-.06	.14
0611	1983	121	7	8	121.29722	85.83936	250.64638	2153147.	1563989.	1532.	1724.	2306.	48.4	240.66	89.57	-.02	.15
0612	1983	121	7	9	121.29792	85.84025	250.61923	2153321.	1564155.	1706.	1889.	2546.	47.9	240.65	89.59	-.03	.17
0613	1983	121	7	10	121.29861	85.83880	250.65371	2153112.	1563910.	1499.	1644.	2224.	47.6	240.65	89.57	-.03	.15
0614	1983	121	7	11	121.29931	85.83823	250.66104	2153077.	1563830.	1464.	1564.	2143.	46.9	240.64	89.57	-.04	.15
0615	1983	121	7	12	121.30000	85.83823	250.66104	2153077.	1563830.	1465.	1564.	2143.	46.9	240.64	89.57	-.04	.15
0616	1983	121	7	13	121.30069	85.84123	250.61444	2153321.	1564270.	1710.	2003.	2634.	49.5	240.68	89.58	-.00	.17
0617	1983	121	7	14	121.30139	85.83936	250.64638	2153147.	1563989.	1537.	1722.	2308.	48.3	240.66	89.57	-.02	.16
0618	1983	121	7	15	121.30208	85.83936	250.64638	2153147.	1563989.	1537.	1721.	2308.	48.2	240.66	89.57	-.02	.16
0619	1983	121	7	16	121.30278	85.83418	250.74433	2152592.	1563184.	983.	916.	1343.	43.0	240.62	89.53	-.06	.12
0620	1983	121	7	17	121.30347	85.83863	250.66360	2153043.	1563866.	1435.	1598.	2148.	48.1	240.66	89.56	-.02	.15
0621	1983	121	7	18	121.30417	85.84009	250.62914	2153251.	1564111.	1644.	1843.	2470.	48.3	240.66	89.58	-.02	.17
0622	1983	121	7	19	121.30486	85.83880	250.65371	2153112.	1563910.	1506.	1641.	2227.	47.5	240.65	89.57	-.03	.16
0623	1983	121	7	20	121.30556	85.84326	250.57250	2153565.	1564595.	1959.	2326.	3041.	49.9	240.69	89.60	.01	.19
0624	1983	121	7	21	121.30625	85.83636	250.69287	2152904.	1563550.	1299.	1280.	1824.	44.6	240.62	89.56	-.06	.15
0625	1983	121	7	22	121.30694	85.84139	250.60453	2153391.	1564313.	1786.	2043.	2714.	48.8	240.67	89.59	-.01	.18
0626	1983	121	7	23	121.30764	85.84196	250.59717	2153426.	1564393.	1822.	2123.	2797.	49.4	240.68	89.59	-.00	.18
0627	1983	121	7	24	121.30833	85.83620	250.70274	2152834.	1563507.	1232.	1236.	1745.	45.1	240.63	89.55	-.06	.14
0628	1983	121	7	25	121.30903	85.83993	250.63904	2153182.	1564068.	1580.	1797.	2393.	48.7	240.67	89.57	-.02	.16

0674	1983	121	8	11	121.34097	85.83402	250.75418	2152522.	1563140.	957.	855.	1283.	41.8	240.63	89.52	-.07	.12
0675	1983	121	8	12	121.34167	85.83475	250.73705	2152626.	1563262.	1061.	976.	1442.	42.6	240.63	89.53	-.07	.13
0676	1983	121	8	13	121.34236	85.83718	250.69800	2152835.	1563622.	1270.	1335.	1843.	46.4	240.66	89.54	-.04	.14
0677	1983	121	8	14	121.34306	85.83847	250.67349	2152974.	1563823.	1410.	1536.	2085.	47.4	240.67	89.55	-.03	.15
0678	1983	121	8	15	121.34375	85.83718	250.69800	2152835.	1563622.	1272.	1334.	1844.	46.4	240.66	89.54	-.04	.14
0679	1983	121	8	16	121.34444	85.83661	250.70531	2152800.	1563543.	1238.	1255.	1763.	45.4	240.65	89.54	-.05	.14
0680	1983	121	8	17	121.34514	85.83718	250.69800	2152835.	1563622.	1274.	1334.	1844.	46.3	240.66	89.54	-.04	.14
0681	1983	121	8	18	121.34583	85.83847	250.67349	2152974.	1563823.	1413.	1535.	2087.	47.4	240.67	89.55	-.03	.15
0682	1983	121	8	19	121.34653	85.83920	250.65628	2153078.	1563946.	1518.	1657.	2248.	47.5	240.67	89.56	-.03	.16
0683	1983	121	8	20	121.34722	85.83904	250.66617	2153008.	1563902.	1450.	1614.	2169.	48.1	240.68	89.55	-.02	.15
0684	1983	121	8	21	121.34792	85.83604	250.71261	2152765.	1563464.	1207.	1174.	1684.	44.2	240.64	89.54	-.06	.14
0685	1983	121	8	22	121.34861	85.83604	250.71261	2152765.	1563464.	1208.	1174.	1685.	44.2	240.64	89.54	-.06	.14
0686	1983	121	8	23	121.34931	85.84050	250.63170	2153217.	1564147.	1661.	1858.	2492.	48.2	240.68	89.57	-.02	.17
0687	1983	121	8	24	121.35000	85.83993	250.63904	2153182.	1564068.	1627.	1778.	2410.	47.5	240.67	89.57	-.03	.17
0688	1983	121	8	25	121.35069	85.83661	250.70531	2152800.	1563543.	1245.	1252.	1766.	45.2	240.65	89.54	-.06	.14
0689	1983	121	8	26	121.35139	85.83920	250.65628	2153078.	1563946.	1524.	1655.	2250.	47.4	240.67	89.56	-.04	.16
0690	1983	121	8	27	121.35208	85.83847	250.67349	2152974.	1563823.	1420.	1532.	2089.	47.2	240.67	89.55	-.04	.15
0691	1983	121	8	28	121.35278	85.83718	250.69800	2152835.	1563622.	1282.	1330.	1848.	46.1	240.66	89.54	-.05	.14
0692	1983	121	8	29	121.35347	85.83920	250.65628	2153078.	1563946.	1526.	1654.	2250.	47.3	240.67	89.56	-.04	.16
0693	1983	121	8	30	121.35417	85.83791	250.68081	2152939.	1563744.	1388.	1452.	2009.	46.3	240.66	89.55	-.05	.15
0694	1983	121	8	31	121.35486	85.83904	250.66617	2153008.	1563902.	1458.	1610.	2172.	47.8	240.68	89.55	-.03	.15
0695	1983	121	8	32	121.35556	85.83718	250.69800	2152835.	1563622.	1285.	1329.	1849.	46.0	240.66	89.54	-.05	.14
0696	1983	121	8	33	121.35625	85.83847	250.67349	2152974.	1563823.	1425.	1530.	2091.	47.0	240.67	89.55	-.04	.15
0697	1983	121	8	34	121.35694	85.83718	250.69800	2152835.	1563622.	1287.	1328.	1850.	45.9	240.66	89.54	-.05	.14
0698	1983	121	8	35	121.35764	85.82997	250.83701	2152038.	1562496.	492.	202.	531.	22.3	240.61	89.48	-.10	.08
0699	1983	121	8	36	121.35833	85.83977	250.64895	2153113.	1564025.	1567.	1731.	2334.	47.8	240.68	89.56	-.03	.16
0700	1983	121	8	37	121.35903	85.83718	250.69800	2152835.	1563622.	1289.	1327.	1850.	45.8	240.66	89.54	-.05	.14
0701	1983	121	8	38	121.35972	85.83831	250.68338	2152904.	1563780.	1360.	1485.	2014.	47.5	240.68	89.54	-.03	.14
0702	1983	121	8	39	121.36042	85.84424	250.56769	2153566.	1564711.	2022.	2415.	3150.	50.1	240.72	89.59	.01	.19
0703	1983	121	8	40	121.36111	85.83572	250.73234	2152626.	1563377.	1084.	1082.	1531.	45.0	240.66	89.52	-.05	.12
0704	1983	121	8	41	121.36181	85.83847	250.67349	2152974.	1563823.	1432.	1527.	2093.	46.9	240.67	89.55	-.04	.15
0705	1983	121	8	42	121.36250	85.83904	250.66617	2153008.	1563902.	1467.	1606.	2175.	47.6	240.68	89.55	-.03	.15
0706	1983	121	8	43	121.36319	85.84034	250.64161	2153147.	1564104.	1607.	1808.	2419.	48.4	240.69	89.56	-.02	.16
0707	1983	121	8	44	121.36389	85.83718	250.69800	2152835.	1563622.	1295.	1325.	1853.	45.7	240.66	89.54	-.05	.14
0708	1983	121	8	45	121.36458	85.84278	250.60229	2153357.	1564465.	1818.	2168.	2829.	50.0	240.72	89.57	.01	.17
0709	1983	121	8	46	121.36528	85.83977	250.64895	2153113.	1564025.	1575.	1727.	2337.	47.7	240.68	89.56	-.03	.16
0710	1983	121	8	47	121.36597	85.83977	250.64895	2153113.	1564025.	1575.	1727.	2338.	47.6	240.68	89.56	-.03	.16
0711	1983	121	8	48	121.36667	85.84034	250.64161	2153147.	1564104.	1611.	1806.	2420.	48.3	240.69	89.56	-.02	.16
0712	1983	121	8	49	121.36736	85.83515	250.73962	2152592.	1563298.	1056.	1000.	1454.	43.4	240.65	89.52	-.06	.12
0713	1983	121	8	50	121.36806	85.83515	250.73962	2152592.	1563298.	1057.	1000.	1455.	43.4	240.65	89.52	-.06	.12
0714	1983	121	8	51	121.36875	85.83775	250.69069	2152869.	1563701.	1335.	1402.	1936.	46.4	240.67	89.54	-.04	.14
0715	1983	121	8	52	121.36944	85.83961	250.65884	2153043.	1563982.	1510.	1682.	2260.	48.1	240.69	89.55	-.02	.15
0716	1983	121	8	53	121.37014	85.83475	250.73705	2152626.	1563262.	1094.	963.	1457.	41.4	240.63	89.53	-.08	.13
0717	1983	121	8	54	121.37083	85.84741	250.51079	2153880.	1565195.	2348.	2895.	3728.	51.0	240.75	89.61	.04	.21
0718	1983	121	8	55	121.37153	85.83775	250.69069	2152869.	1563701.	1338.	1401.	1937.	46.3	240.67	89.54	-.05	.14

0719	1983	121	8	56	121.37222	85.83718	250.69800	2152835.	1563622.	1304.	1321.	1857.	45.4	240.66	89.54	-.06	.14
0720	1983	121	8	57	121.37292	85.84164	250.61701	2153287.	1564306.	1757.	2005.	2666.	48.8	240.70	89.57	-.02	.17
0721	1983	121	8	58	121.37361	85.84050	250.63170	2153217.	1564147.	1688.	1846.	2502.	47.6	240.68	89.57	-.04	.17
0722	1983	121	8	59	121.37431	85.83904	250.66617	2153008.	1563902.	1481.	1601.	2180.	47.2	240.68	89.55	-.04	.15
0723	1983	121	9	0	121.37500	85.83572	250.73234	2152626.	1563377.	1099.	1075.	1538.	44.4	240.66	89.52	-.06	.12
0724	1983	121	9	1	121.37569	85.83718	250.69800	2152835.	1563622.	1308.	1319.	1658.	45.2	240.66	89.54	-.06	.15
0725	1983	121	9	2	121.37639	85.83831	250.68338	2152904.	1563780.	1379.	1477.	2021.	47.0	240.68	89.54	-.04	.15
0726	1983	121	9	3	121.37708	85.83718	250.69800	2152835.	1563622.	1310.	1319.	1859.	45.2	240.66	89.54	-.06	.15
0727	1983	121	9	4	121.37778	85.83572	250.73234	2152626.	1563377.	1103.	1074.	1539.	44.2	240.66	89.52	-.06	.13
0728	1983	121	9	5	121.37847	85.84148	250.62692	2153217.	1564263.	1694.	1959.	2590.	49.1	240.71	89.56	-.01	.17
0729	1983	121	9	6	121.37917	85.83718	250.69800	2152835.	1563622.	1313.	1318.	1860.	45.1	240.66	89.54	-.06	.15
0730	1983	121	9	7	121.37986	85.84107	250.62436	2153252.	1564227.	1731.	1922.	2586.	48.0	240.69	89.57	-.03	.18
0731	1983	121	9	8	121.38056	85.84221	250.60965	2153322.	1564385.	1801.	2080.	2752.	49.1	240.71	89.57	-.01	.18
0732	1983	121	9	9	121.38125	85.84018	250.65151	2153078.	1564061.	1558.	1756.	2348.	48.4	240.70	89.55	-.02	.16
0733	1983	121	9	10	121.38194	85.84237	250.59973	2153391.	1564429.	1872.	2123.	2831.	48.6	240.70	89.58	-.02	.19
0734	1983	121	9	11	121.38264	85.83775	250.69069	2152869.	1563701.	1351.	1395.	1942.	45.9	240.67	89.54	-.05	.15
0735	1983	121	9	12	121.38333	85.84107	250.62436	2153252.	1564227.	1735.	1920.	2588.	47.9	240.69	89.57	-.03	.18
0736	1983	121	9	13	121.38403	85.83920	250.65628	2153078.	1563946.	1561.	1639.	2264.	46.4	240.67	89.56	-.05	.17
0737	1983	121	9	14	121.38472	85.83977	250.64895	2153113.	1564025.	1597.	1718.	2346.	47.1	240.68	89.56	-.04	.17
0738	1983	121	9	15	121.38542	85.84237	250.59973	2153391.	1564429.	1877.	2121.	2832.	48.5	240.70	89.58	-.02	.19
0739	1983	121	9	16	121.38611	85.83702	250.70788	2152765.	1563579.	1251.	1271.	1784.	45.4	240.67	89.53	-.05	.14
0740	1983	121	9	17	121.38681	85.83702	250.70788	2152765.	1563579.	1252.	1270.	1784.	45.4	240.67	89.53	-.05	.14
0741	1983	121	9	18	121.38750	85.83831	250.68338	2152904.	1563780.	1392.	1471.	2026.	46.6	240.68	89.54	-.04	.15
0742	1983	121	9	19	121.38819	85.84465	250.57025	2153531.	1564747.	2020.	2438.	3166.	50.4	240.74	89.58	.02	.19
0743	1983	121	9	20	121.38889	85.83888	250.67606	2152939.	1563859.	1428.	1550.	2108.	47.3	240.69	89.54	-.03	.15
0744	1983	121	9	21	121.38958	85.83718	250.69800	2152835.	1563622.	1325.	1312.	1865.	44.7	240.66	89.54	-.06	.15
0745	1983	121	9	22	121.39028	85.83313	250.78113	2152349.	1562976.	841.	665.	1072.	38.4	240.64	89.50	-.08	.11
0746	1983	121	9	23	121.39097	85.84091	250.63427	2153182.	1564183.	1674.	1873.	2512.	48.2	240.70	89.56	-.02	.17
0747	1983	121	9	24	121.39167	85.84018	250.65151	2153078.	1564061.	1571.	1750.	2352.	48.1	240.70	89.55	-.03	.16
0748	1983	121	9	25	121.39236	85.84034	250.64161	2153147.	1564104.	1641.	1793.	2431.	47.5	240.69	89.56	-.04	.17
0749	1983	121	9	26	121.39306	85.84091	250.63427	2153182.	1564183.	1677.	1872.	2513.	48.1	240.70	89.56	-.03	.17
0750	1983	121	9	27	121.39375	85.83904	250.66617	2153008.	1563902.	1504.	1590.	2189.	46.6	240.68	89.55	-.05	.16
0751	1983	121	9	28	121.39444	85.84075	250.64418	2153113.	1564140.	1609.	1828.	2435.	48.6	240.71	89.55	-.02	.16
0752	1983	121	9	29	121.39514	85.84408	250.57762	2153496.	1564667.	1993.	2354.	3085.	49.8	240.73	89.58	.00	.19
0753	1983	121	9	30	121.39583	85.83961	250.65884	2153043.	1563982.	1541.	1669.	2271.	47.3	240.69	89.55	-.04	.16
0754	1983	121	9	31	121.39653	85.83645	250.71518	2152730.	1563500.	1229.	1186.	1708.	44.0	240.66	89.53	-.07	.14
0755	1983	121	9	32	121.39722	85.83443	250.75675	2152488.	1563176.	987.	863.	1311.	41.1	240.65	89.51	-.08	.12
0756	1983	121	9	33	121.39792	85.84148	250.62692	2153217.	1564263.	1718.	1949.	2598.	48.6	240.71	89.56	-.02	.17
0757	1983	121	9	34	121.39861	85.84335	250.59493	2153391.	1564544.	1893.	2230.	2925.	49.7	240.73	89.57	.00	.18
0758	1983	121	9	35	121.39931	85.84189	250.62949	2153183.	1564299.	1685.	1984.	2603.	49.7	240.73	89.55	.00	.16
0759	1983	121	9	36	121.40000	85.83815	250.69326	2152835.	1563737.	1338.	1422.	1952.	46.7	240.69	89.53	-.04	.14
0760	1983	121	9	37	121.40069	85.84002	250.66141	2153009.	1564018.	1512.	1702.	2277.	48.4	240.71	89.54	-.02	.15
0761	1983	121	9	38	121.40139	85.83759	250.70057	2152800.	1563658.	1304.	1342.	1871.	45.8	240.68	89.53	-.05	.14
0762	1983	121	9	39	121.40208	85.84465	250.57025	2153531.	1564747.	2036.	2430.	3171.	50.0	240.74	89.58	.01	.19
0763	1983	121	9	40	121.40278	85.83961	250.65884	2153043.	1563982.	1549.	1665.	2274.	47.1	240.69	89.55	-.04	.16

0764	1983	121	9	41	121.40347	85.83815	250.69326	2152835.	1563737.	1342.	1420.	1953.	46.6	240.69	89.53	-.04	.14
0765	1983	121	9	42	121.40417	85.84132	250.63683	2153148.	1564219.	1656.	1902.	2522.	49.0	240.72	89.55	-.01	.16
0766	1983	121	9	43	121.40486	85.83629	250.72504	2152661.	1563456.	1170.	1139.	1632.	44.2	240.67	89.52	-.06	.13
0767	1983	121	9	44	121.40556	85.84002	250.66141	2153009.	1564018.	1518.	1699.	2279.	48.2	240.71	89.54	-.02	.15
0768	1983	121	9	45	121.40625	85.83815	250.69326	2152835.	1563737.	1345.	1418.	1955.	46.5	240.69	89.53	-.04	.14
0769	1983	121	9	46	121.40694	85.84392	250.58756	2153426.	1564624.	1938.	2305.	3011.	49.9	240.74	89.57	.01	.18
0770	1983	121	9	47	121.40764	85.83872	250.68595	2152870.	1563816.	1381.	1497.	2037.	47.3	240.70	89.53	-.03	.14
0771	1983	121	9	48	121.40833	85.84002	250.66141	2153009.	1564018.	1521.	1698.	2280.	48.1	240.71	89.54	-.02	.15
0772	1983	121	9	49	121.40903	85.84465	250.57025	2153531.	1564747.	2045.	2427.	3173.	49.9	240.74	89.58	.01	.19
0773	1983	121	9	50	121.40972	85.84205	250.61957	2153252.	1564342.	1767.	2022.	2685.	48.9	240.72	89.56	-.01	.17
0774	1983	121	9	51	121.41042	85.84522	250.56287	2153566.	1564826.	2081.	2505.	3257.	50.3	240.75	89.58	.02	.20
0775	1983	121	9	52	121.41111	85.84262	250.61222	2153287.	1564421.	1803.	2100.	2768.	49.4	240.73	89.56	-.00	.18
0776	1983	121	9	53	121.41181	85.84075	250.64418	2153113.	1564140.	1630.	1819.	2442.	48.1	240.71	89.55	-.03	.17
0777	1983	121	9	54	121.41250	85.84018	250.65151	2153078.	1564061.	1596.	1739.	2360.	47.5	240.70	89.55	-.04	.17
0778	1983	121	9	55	121.41319	85.83888	250.67606	2152939.	1563859.	1457.	1537.	2118.	46.5	240.69	89.54	-.05	.16
0779	1983	121	9	56	121.41389	85.84408	250.57762	2153496.	1564667.	2015.	2345.	3092.	49.3	240.73	89.58	-.01	.20
0780	1983	121	9	57	121.41458	85.83815	250.69326	2152835.	1563737.	1355.	1414.	1958.	46.2	240.69	89.53	-.05	.15
0781	1983	121	9	58	121.41528	85.83945	250.66874	2152974.	1563938.	1495.	1615.	2201.	47.2	240.70	89.54	-.04	.16
0782	1983	121	9	59	121.41597	85.84335	250.59493	2153391.	1564544.	1913.	2221.	2931.	49.3	240.73	89.57	-.01	.19
0783	1983	121	10	0	121.41667	85.84506	250.57281	2153496.	1564783.	2019.	2459.	3181.	50.6	240.76	89.57	.02	.19
0784	1983	121	10	1	121.41736	85.84465	250.57025	2153531.	1564747.	2055.	2422.	3176.	49.7	240.74	89.58	.00	.20
0785	1983	121	10	2	121.41806	85.84262	250.61222	2153287.	1564421.	1811.	2097.	2771.	49.2	240.73	89.56	-.01	.18
0786	1983	121	10	3	121.41875	85.84246	250.62214	2153218.	1564378.	1743.	2053.	2693.	49.7	240.74	89.55	.00	.17
0787	1983	121	10	4	121.41944	85.83872	250.68595	2152870.	1563816.	1396.	1490.	2042.	46.9	240.70	89.53	-.04	.15
0788	1983	121	10	5	121.42014	85.83815	250.69326	2152835.	1563737.	1362.	1411.	1961.	46.0	240.69	89.53	-.05	.15
0789	1983	121	10	6	121.42083	85.83986	250.67131	2152939.	1563974.	1467.	1648.	2206.	48.3	240.72	89.53	-.02	.15
0790	1983	121	10	7	121.42153	85.84132	250.63683	2153148.	1564219.	1676.	1893.	2528.	48.5	240.72	89.55	-.02	.17
0791	1983	121	10	8	121.42222	85.84246	250.62214	2153218.	1564378.	1747.	2051.	2694.	49.6	240.74	89.55	-.00	.17
0792	1983	121	10	9	121.42292	85.84319	250.60486	2153322.	1564501.	1852.	2174.	2856.	49.6	240.74	89.56	-.00	.18
0793	1983	121	10	10	121.42361	85.84262	250.61222	2153287.	1564421.	1818.	2094.	2773.	49.0	240.73	89.56	-.01	.18
0794	1983	121	10	11	121.42431	85.84246	250.62214	2153218.	1564378.	1749.	2050.	2695.	49.5	240.74	89.55	-.00	.17
0795	1983	121	10	12	121.42500	85.83726	250.72032	2152661.	1563571.	1194.	1243.	1724.	46.2	240.70	89.51	-.04	.13
0796	1983	121	10	13	121.42569	85.84059	250.65408	2153043.	1564097.	1577.	1768.	2369.	48.3	240.72	89.54	-.02	.16
0797	1983	121	10	14	121.42639	85.84132	250.63683	2153148.	1564219.	1682.	1890.	2530.	48.3	240.72	89.55	-.02	.17
0798	1983	121	10	15	121.42708	85.83986	250.67131	2152939.	1563974.	1474.	1645.	2209.	48.1	240.72	89.53	-.02	.15
0799	1983	121	10	16	121.42778	85.84059	250.65408	2153043.	1564097.	1579.	1767.	2370.	48.2	240.72	89.54	-.02	.16
0800	1983	121	10	17	121.42847	85.84246	250.62214	2153218.	1564378.	1754.	2048.	2697.	49.4	240.74	89.55	-.00	.17
0801	1983	121	10	18	121.42917	85.84059	250.65408	2153043.	1564097.	1581.	1766.	2370.	48.2	240.72	89.54	-.02	.16
0802	1983	121	10	19	121.42986	85.84116	250.64674	2153078.	1564176.	1617.	1845.	2453.	48.8	240.73	89.54	-.01	.16
0803	1983	121	10	20	121.43056	85.84677	250.55065	2153601.	1565021.	2141.	2690.	3438.	51.5	240.79	89.57	.05	.19
0804	1983	121	10	21	121.43125	85.83913	250.68852	2152835.	1563852.	1375.	1520.	2050.	47.9	240.72	89.52	-.03	.14
0805	1983	121	10	22	121.43194	85.84360	250.60743	2153287.	1564537.	1828.	2205.	2864.	50.3	240.76	89.55	.01	.17
0806	1983	121	10	23	121.43264	85.84433	250.59013	2153392.	1564660.	1934.	2327.	3026.	50.3	240.76	89.56	.01	.18
0807	1983	121	10	24	121.43333	85.84563	250.56543	2153531.	1564862.	2074.	2529.	3271.	50.7	240.77	89.57	.02	.19
0808	1983	121	10	25	121.43403	85.84490	250.58275	2153427.	1564739.	1970.	2406.	3110.	50.7	240.77	89.56	.02	.18

0809	1983	121	10	26	121.43472	85.84246	250.62214	2153218.	1564378.	1762.	2045.	2699.	49.3	240.74	89.55	-.01	.17
0810	1983	121	10	27	121.43542	85.84360	250.60743	2153287.	1564537.	1832.	2203.	2865.	50.2	240.76	89.55	.01	.17
0811	1983	121	10	28	121.43611	85.84116	250.64674	2153078.	1564176.	1624.	1842.	2456.	48.6	240.73	89.54	-.02	.16
0812	1983	121	10	29	121.43681	85.83856	250.69584	2152800.	1563773.	1347.	1438.	1970.	46.9	240.71	89.52	-.04	.14
0813	1983	121	10	30	121.43750	85.84417	250.60006	2153322.	1564616.	1870.	2281.	2950.	50.7	240.77	89.55	.02	.17
0814	1983	121	10	31	121.43819	85.84417	250.60006	2153322.	1564616.	1871.	2281.	2950.	50.6	240.77	89.55	.02	.17
0815	1983	121	10	32	121.43889	85.84417	250.60006	2153322.	1564616.	1871.	2281.	2950.	50.6	240.77	89.55	.02	.17
0816	1983	121	10	33	121.43958	85.84344	250.61735	2153218.	1564493.	1768.	2157.	2789.	50.7	240.77	89.54	.02	.16
0817	1983	121	10	34	121.44028	85.83897	250.69841	2152766.	1563809.	1316.	1472.	1975.	48.2	240.73	89.51	-.02	.13
0818	1983	121	10	35	121.44097	85.84100	250.65665	2153009.	1564133.	1560.	1796.	2379.	49.0	240.74	89.53	-.01	.15
0819	1983	121	10	36	121.44167	85.84677	250.55065	2153601.	1565021.	2154.	2684.	3441.	51.3	240.79	89.57	.04	.19
0820	1983	121	10	37	121.44236	85.84620	250.55804	2153566.	1564942.	2120.	2604.	3358.	50.9	240.78	89.57	.03	.19
0821	1983	121	10	38	121.44306	85.84116	250.64674	2153078.	1564176.	1632.	1838.	2458.	48.4	240.73	89.54	-.02	.16
0822	1983	121	10	39	121.44375	85.84100	250.65665	2153009.	1564133.	1564.	1795.	2380.	48.9	240.74	89.53	-.01	.15
0823	1983	121	10	40	121.44444	85.84303	250.61478	2153252.	1564457.	1808.	2119.	2785.	49.5	240.75	89.55	-.00	.17
0824	1983	121	10	41	121.44514	85.84693	250.54069	2153671.	1565065.	2228.	2726.	3520.	50.7	240.78	89.58	.03	.20
0825	1983	121	10	42	121.44583	85.84620	250.55804	2153566.	1564942.	2124.	2602.	3359.	50.8	240.78	89.57	.03	.20
0826	1983	121	10	43	121.44653	85.84303	250.61478	2153252.	1564457.	1811.	2118.	2786.	49.5	240.75	89.55	-.00	.18
0827	1983	121	10	44	121.44722	85.84173	250.63940	2153113.	1564255.	1672.	1915.	2543.	48.9	240.74	89.54	-.01	.17
0828	1983	121	10	45	121.44792	85.83638	250.74735	2152488.	1563406.	1048.	1066.	1495.	45.5	240.71	89.49	-.04	.12
0829	1983	121	10	46	121.44861	85.84303	250.61478	2153252.	1564457.	1813.	2117.	2787.	49.4	240.75	89.55	-.00	.18
0830	1983	121	10	47	121.44931	85.84230	250.63206	2153148.	1564335.	1710.	1994.	2626.	49.4	240.75	89.54	-.00	.17
0831	1983	121	10	48	121.45000	85.84287	250.62471	2153183.	1564414.	1745.	2073.	2709.	49.9	240.76	89.54	.01	.17
0832	1983	121	10	49	121.45069	85.84230	250.63206	2153148.	1564335.	1711.	1993.	2627.	49.3	240.75	89.54	-.00	.17
0833	1983	121	10	50	121.45139	85.84303	250.61478	2153252.	1564457.	1816.	2115.	2788.	49.3	240.75	89.55	-.01	.18
0834	1983	121	10	51	121.45208	85.84173	250.63940	2153113.	1564255.	1678.	1913.	2544.	48.7	240.74	89.54	-.02	.17
0835	1983	121	10	52	121.45278	85.83986	250.67131	2152939.	1563974.	1505.	1631.	2219.	47.3	240.72	89.53	-.04	.16
0836	1983	121	10	53	121.45347	85.84433	250.59013	2153392.	1564660.	1958.	2316.	3033.	49.8	240.76	89.56	.00	.19
0837	1983	121	10	54	121.45417	85.84246	250.62214	2153218.	1564378.	1785.	2034.	2706.	48.7	240.74	89.55	-.02	.18
0838	1983	121	10	55	121.45486	85.84490	250.58275	2153427.	1564739.	1995.	2395.	3117.	50.2	240.77	89.56	.01	.19
0839	1983	121	10	56	121.45556	85.84303	250.61478	2153252.	1564457.	1821.	2113.	2790.	49.2	240.75	89.55	-.01	.18
0840	1983	121	10	57	121.45625	85.84474	250.59269	2153357.	1564696.	1927.	2351.	3040.	50.7	240.78	89.55	.02	.18
0841	1983	121	10	58	121.45694	85.84084	250.66655	2152939.	1564090.	1510.	1744.	2307.	49.1	240.75	89.52	-.01	.15
0842	1983	121	10	59	121.45764	85.84214	250.64197	2153079.	1564291.	1650.	1946.	2551.	49.7	240.76	89.53	.00	.16
0843	1983	121	11	0	121.45833	85.82940	250.79005	2152418.	1562560.	990.	214.	1013.	12.2	240.51	89.55	-.25	.18
0844	1983	121	11	1	121.45903	85.84588	250.57794	2153427.	1564855.	2000.	2508.	3208.	51.4	240.80	89.55	.04	.18
0845	1983	121	11	2	121.45972	85.84327	250.62728	2153148.	1564450.	1722.	2103.	2719.	50.7	240.78	89.53	.02	.16
0846	1983	121	11	3	121.46042	85.84384	250.61992	2153183.	1564530.	1758.	2182.	2802.	51.1	240.79	89.53	.03	.16
0847	1983	121	11	4	121.46111	85.84441	250.61257	2153218.	1564609.	1794.	2261.	2886.	51.6	240.80	89.53	.04	.16
0848	1983	121	11	5	121.46181	85.84441	250.61257	2153218.	1564609.	1795.	2261.	2887.	51.6	240.80	89.53	.04	.16
0849	1983	121	11	6	121.46250	85.84571	250.58789	2153358.	1564811.	1935.	2463.	3132.	51.8	240.81	89.54	.05	.17
0850	1983	121	11	7	121.46319	85.84254	250.64455	2153044.	1564327.	1622.	1979.	2559.	50.7	240.78	89.52	.02	.15
0851	1983	121	11	8	121.46389	85.84425	250.62250	2153149.	1564566.	1727.	2217.	2810.	52.1	240.81	89.52	.05	.15
0852	1983	121	11	9	121.46458	85.84311	250.63720	2153079.	1564407.	1659.	2057.	2643.	51.1	240.79	89.52	.03	.15
0853	1983	121	11	10	121.46528	85.84401	250.61000	2153253.	1564573.	1833.	2223.	2882.	50.5	240.78	89.54	.02	.17

0854	1983	121	11	11	121.46597	85.84327	250.62728	2153148.	1564450.	1730.	2100.	2721.	50.5	240.78	89.53	.02	.16
0855	1983	121	11	12	121.46667	85.84214	250.64197	2153079.	1564291.	1661.	1941.	2555.	49.4	240.76	89.53	-.00	.16
0856	1983	121	11	13	121.46736	85.84457	250.60263	2153288.	1564652.	1871.	2302.	2966.	50.9	240.79	89.54	.03	.17
0857	1983	121	11	14	121.46806	85.84718	250.55322	2153567.	1565057.	2151.	2706.	3457.	51.5	240.81	89.56	.05	.19
0858	1983	121	11	15	121.46875	85.84287	250.62471	2153183.	1564414.	1768.	2063.	2716.	49.4	240.76	89.54	-.00	.17
0859	1983	121	11	16	121.46944	85.84547	250.57538	2153462.	1564819.	2047.	2467.	3206.	50.3	240.78	89.56	.02	.19
0860	1983	121	11	17	121.47014	85.84214	250.64197	2153079.	1564291.	1665.	1939.	2556.	49.4	240.76	89.53	-.00	.16
0861	1983	121	11	18	121.47083	85.84401	250.61000	2153253.	1564573.	1840.	2220.	2884.	50.4	240.78	89.54	.01	.17
0862	1983	121	11	19	121.47153	85.84531	250.58532	2153392.	1564775.	1980.	2422.	3129.	50.7	240.79	89.55	.02	.18
0863	1983	121	11	20	121.47222	85.84457	250.60263	2153288.	1564652.	1877.	2299.	2968.	50.8	240.79	89.54	.02	.17
0864	1983	121	11	21	121.47292	85.84384	250.61992	2153183.	1564530.	1773.	2176.	2807.	50.8	240.79	89.53	.02	.16
0865	1983	121	11	22	121.47361	85.84571	250.58789	2153358.	1564811.	1948.	2457.	3136.	51.6	240.81	89.54	.04	.17
0866	1983	121	11	23	121.47431	85.84238	250.65446	2152974.	1564284.	1566.	1930.	2485.	50.9	240.79	89.51	.02	.14
0867	1983	121	11	24	121.47500	85.84441	250.61257	2153218.	1564609.	1810.	2254.	2891.	51.2	240.80	89.53	.03	.16
0868	1983	121	11	25	121.47569	85.84035	250.69625	2152731.	1563960.	1324.	1605.	2080.	50.5	240.78	89.49	.01	.12
0869	1983	121	11	26	121.47639	85.84759	250.55579	2153532.	1565094.	2126.	2738.	3466.	52.2	240.83	89.55	.06	.18
0870	1983	121	11	27	121.47708	85.84612	250.59046	2153323.	1564847.	1918.	2491.	3144.	52.4	240.83	89.53	.06	.16
0871	1983	121	11	28	121.47778	85.84669	250.58308	2153358.	1564927.	1953.	2571.	3229.	52.8	240.84	89.53	.07	.16
0872	1983	121	11	29	121.47847	85.84555	250.59783	2153288.	1564768.	1884.	2411.	3060.	52.0	240.82	89.53	.05	.16
0873	1983	121	11	30	121.47917	85.84092	250.68893	2152766.	1564039.	1363.	1682.	2165.	51.0	240.79	89.49	.02	.12
0874	1983	121	11	31	121.47986	85.84555	250.59783	2153288.	1564768.	1886.	2410.	3061.	52.0	240.82	89.53	.05	.16
0875	1983	121	11	32	121.48056	85.84628	250.58051	2153392.	1564891.	1991.	2533.	3222.	51.8	240.82	89.54	.05	.17
0876	1983	121	11	33	121.48125	85.84800	250.55836	2153497.	1565130.	2097.	2771.	3475.	52.9	240.85	89.54	.08	.18
0877	1983	121	11	34	121.48194	85.84628	250.58051	2153392.	1564891.	1993.	2532.	3223.	51.8	240.82	89.54	.05	.18
0878	1983	121	11	35	121.48264	85.84425	250.62250	2153149.	1564566.	1750.	2207.	2816.	51.6	240.81	89.52	.04	.16
0879	1983	121	11	36	121.48333	85.84019	250.70614	2152662.	1563916.	1264.	1537.	2006.	50.9	240.79	89.48	.02	.12
0880	1983	121	11	37	121.48403	85.84295	250.64712	2153009.	1564363.	1612.	2004.	2572.	51.2	240.80	89.51	.03	.15
0881	1983	121	11	38	121.48472	85.84108	250.67903	2152835.	1564082.	1439.	1722.	2244.	50.1	240.78	89.50	.01	.14
0882	1983	121	11	39	121.48542	85.84628	250.58051	2153392.	1564891.	1997.	2531.	3224.	51.7	240.82	89.54	.05	.18
0883	1983	121	11	40	121.48611	85.84441	250.61257	2153218.	1564609.	1824.	2248.	2895.	51.0	240.80	89.53	.03	.17
0884	1983	121	11	41	121.48681	85.84368	250.62985	2153114.	1564486.	1720.	2125.	2734.	51.0	240.80	89.52	.03	.16
0885	1983	121	11	42	121.48750	85.84311	250.63720	2153079.	1564407.	1686.	2045.	2651.	50.5	240.79	89.52	.02	.16
0886	1983	121	11	43	121.48819	85.83979	250.70356	2152696.	1563881.	1304.	1519.	2002.	49.3	240.77	89.49	-.00	.13
0887	1983	121	11	44	121.48889	85.84409	250.63243	2153079.	1564522.	1688.	2160.	2741.	52.0	240.82	89.51	.05	.15
0888	1983	121	11	45	121.48958	85.84336	250.64970	2152975.	1564399.	1584.	2037.	2580.	52.1	240.82	89.50	.05	.14
0889	1983	121	11	46	121.49028	85.84263	250.66695	2152870.	1564277.	1481.	1914.	2420.	52.3	240.82	89.49	.05	.13
0890	1983	121	11	47	121.49097	85.84539	250.60778	2153218.	1564724.	1830.	2361.	2987.	52.2	240.83	89.52	.05	.16
0891	1983	121	11	48	121.49167	85.84279	250.65704	2152940.	1564320.	1552.	1956.	2497.	51.6	240.81	89.50	.03	.14
0892	1983	121	11	49	121.49236	85.84076	250.69883	2152697.	1563996.	1309.	1632.	2092.	51.3	240.80	89.48	.02	.12
0893	1983	121	11	50	121.49306	85.84377	250.65227	2152940.	1564435.	1554.	2071.	2589.	53.1	240.84	89.49	.06	.13
0894	1983	121	11	51	121.49375	85.84190	250.68419	2152766.	1564154.	1381.	1789.	2260.	52.3	240.82	89.48	.04	.12
0895	1983	121	11	52	121.49444	85.85621	250.35636	2154723.	1566533.	3338.	4168.	5340.	51.3	240.84	89.66	.06	.30
0896	1983	121	11	53	121.49514	85.86305	250.21037	2155569.	1567645.	4185.	5279.	6737.	51.6	240.87	89.73	.09	.37
0897	1983	121	11	54	121.49583	85.84215	250.69667	2152662.	1564147.	1279.	1781.	2193.	54.3	240.85	89.46	.07	.10
0898	1983	121	11	55	121.49653	85.84028	250.72850	2152489.	1563866.	1106.	1500.	1864.	53.6	240.83	89.45	.05	.09

0899	1983	121	11	56	121.49722	85.84532	250.64016	2152975.	1564630.	1594.	2263.	2768.	54.8	240.88	89.48	.10	.12
0900	1983	121	11	57	121.49792	85.83671	250.78209	2152211.	1563348.	831.	981.	1286.	49.8	240.78	89.44	.00	.08
0901	1983	121	11	58	121.49861	85.84288	250.67944	2152766.	1564269.	1387.	1902.	2354.	53.9	240.85	89.47	.07	.11
0902	1983	121	11	59	121.49931	85.84174	250.69409	2152697.	1564111.	1318.	1743.	2185.	52.9	240.83	89.47	.05	.11
0903	1983	121	12	0	121.50000	85.84215	250.69667	2152662.	1564147.	1284.	1779.	2194.	54.2	240.85	89.46	.07	.10
0904	1983	121	12	1	121.50069	85.83898	250.75297	2152350.	1563664.	973.	1296.	1621.	53.1	240.82	89.44	.04	.08
0905	1983	121	12	2	121.50139	85.83955	250.74568	2152385.	1563743.	1009.	1375.	1706.	53.7	240.83	89.44	.05	.08
0906	1983	121	12	3	121.50208	85.83654	250.79194	2152142.	1563305.	768.	936.	1211.	50.6	240.79	89.43	.01	.07
0907	1983	121	12	4	121.50278	85.83955	250.74568	2152385.	1563743.	1012.	1374.	1707.	53.6	240.83	89.44	.05	.08
0908	1983	121	12	5	121.50347	85.83695	250.79453	2152108.	1563341.	737.	972.	1219.	52.8	240.81	89.42	.03	.06
0909	1983	121	12	6	121.50417	85.84158	250.70399	2152627.	1564067.	1258.	1698.	2113.	53.5	240.84	89.46	.06	.10
0910	1983	121	12	7	121.50486	85.83825	250.77012	2152246.	1563542.	878.	1172.	1465.	53.2	240.82	89.43	.04	.07
0911	1983	121	12	8	121.50556	85.84101	250.71130	2152593.	1563988.	1226.	1618.	2030.	52.8	240.83	89.46	.05	.10
0912	1983	121	12	9	121.50625	85.83768	250.77740	2152211.	1563463.	846.	1092.	1382.	52.2	240.81	89.43	.03	.07
0913	1983	121	12	10	121.50694	85.83411	250.83080	2151935.	1562947.	571.	576.	811.	45.2	240.76	89.42	-.03	.06
0914	1983	121	12	11	121.50764	85.84142	250.71389	2152558.	1564024.	1196.	1653.	2040.	54.1	240.85	89.45	.06	.09
0915	1983	121	12	12	121.50833	85.83955	250.74568	2152385.	1563743.	1024.	1372.	1712.	53.3	240.83	89.44	.04	.08
0916	1983	121	12	13	121.50903	85.83841	250.76026	2152315.	1563565.	956.	1213.	1545.	51.8	240.81	89.44	.02	.08
0917	1983	121	12	14	121.50972	85.84215	250.69667	2152662.	1564147.	1305.	1774.	2202.	53.7	240.85	89.46	.06	.10
0918	1983	121	12	15	121.51042	85.83898	250.75297	2152350.	1563664.	994.	1292.	1630.	52.4	240.82	89.44	.03	.09
0919	1983	121	12	16	121.51111	85.84418	250.65485	2152905.	1564471.	1551.	2099.	2609.	53.5	240.86	89.48	.07	.13
0920	1983	121	12	17	121.51181	85.84052	250.74097	2152385.	1563658.	1031.	1485.	1808.	55.2	240.86	89.43	.07	.08
0921	1983	121	12	18	121.51250	85.84142	250.71389	2152558.	1564024.	1206.	1651.	2045.	53.8	240.85	89.45	.06	.10
0922	1983	121	12	19	121.51319	85.84142	250.71389	2152558.	1564024.	1208.	1650.	2045.	53.8	240.85	89.45	.06	.10
0923	1983	121	12	20	121.51389	85.84516	250.65009	2152906.	1564587.	1557.	2213.	2705.	54.9	240.89	89.47	.10	.12
0924	1983	121	12	21	121.51458	85.83882	250.76284	2152281.	1563621.	933.	1247.	1558.	53.2	240.83	89.43	.04	.08
0925	1983	121	12	22	121.51528	85.84386	250.67469	2152766.	1564384.	1421.	2010.	2461.	54.7	240.88	89.46	.09	.11
0926	1983	121	12	23	121.51597	85.84272	250.68935	2152697.	1564226.	1352.	1851.	2293.	53.8	240.86	89.46	.07	.11
0927	1983	121	12	24	121.51667	85.84142	250.71389	2152558.	1564024.	1215.	1649.	2048.	53.6	240.85	89.45	.06	.10
0928	1983	121	12	25	121.51736	85.84288	250.67944	2152766.	1564269.	1425.	1894.	2370.	53.0	240.85	89.47	.06	.12
0929	1983	121	12	26	121.51806	85.84085	250.72120	2152523.	1563945.	1183.	1569.	1965.	53.0	240.84	89.45	.05	.10
0930	1983	121	12	27	121.51875	85.84402	250.66477	2152836.	1564428.	1497.	2052.	2540.	53.9	240.87	89.47	.08	.12
0931	1983	121	12	28	121.51944	85.84125	250.72378	2152489.	1563981.	1152.	1605.	1975.	54.3	240.86	89.44	.07	.09
0932	1983	121	13	39	121.56875	85.83305	250.81321	2152107.	1562882.	874.	485.	1000.	29.0	240.69	89.46	-.14	.13
0933	1983	121	13	40	121.56944	85.83346	250.81580	2152073.	1562918.	841.	521.	989.	31.8	240.71	89.45	-.12	.12
0934	1983	121	13	41	121.57014	85.83200	250.84992	2151866.	1562675.	635.	277.	693.	23.6	240.71	89.43	-.12	.10
0935	1983	121	13	42	121.57083	85.83192	250.82770	2152038.	1562725.	809.	327.	873.	22.0	240.67	89.46	-.16	.13
0936	1983	121	13	43	121.57153	85.83492	250.78160	2152280.	1563162.	1053.	764.	1301.	36.0	240.71	89.47	-.12	.14
0937	1983	121	13	44	121.57222	85.82400	250.98255	2151143.	1561483.	-83.	-916.	919.	264.8	240.62	89.39	-.21	.06
0938	1983	121	13	45	121.57292	85.82788	250.91021	2151556.	1562082.	331.	-317.	459.	316.2	240.65	89.42	-.19	.09
0939	1983	121	13	46	121.57361	85.82917	250.88602	2151693.	1562281.	470.	-118.	485.	345.9	240.66	89.43	-.18	.10
0940	1983	121	13	47	121.57431	85.83305	250.81321	2152107.	1562882.	886.	483.	1009.	28.6	240.69	89.46	-.15	.13
0941	1983	121	13	48	121.57500	85.82771	250.91999	2151487.	1562039.	266.	-361.	449.	306.4	240.66	89.41	-.18	.08
0942	1983	121	13	49	121.57569	85.83087	250.86437	2151797.	1562517.	578.	117.	590.	11.5	240.69	89.43	-.15	.10
0943	1983	121	13	50	121.57639	85.82472	250.96564	2151246.	1561604.	29.	-796.	797.	272.1	240.62	89.40	-.22	.08

0944	1983	121	13	51	121.57708	85.83160	250.84734	2151900.	1562639.	684.	238.	725.	19.2	240.69	89.44	-.15	.12
0945	1983	121	13	52	121.57778	85.82901	250.89581	2151624.	1562239.	410.	-162.	441.	338.4	240.67	89.42	-.17	.10
0946	1983	121	13	53	121.57847	85.82974	250.87881	2151728.	1562360.	515.	-41.	517.	355.4	240.67	89.43	-.17	.11
0947	1983	121	13	54	121.57917	85.83160	250.84734	2151900.	1562639.	689.	237.	729.	19.0	240.69	89.44	-.15	.12
0948	1983	121	13	55	121.57986	85.82788	250.91021	2151556.	1562082.	346.	-320.	471.	317.2	240.65	89.42	-.19	.10
0949	1983	121	13	56	121.58056	85.82715	250.92718	2151452.	1561960.	244.	-442.	505.	298.9	240.65	89.41	-.19	.09
0950	1983	121	13	57	121.58125	85.82731	250.91740	2151521.	1562003.	314.	-399.	508.	308.2	240.64	89.42	-.20	.10
0951	1983	121	13	58	121.58194	85.82618	250.93177	2151452.	1561846.	247.	-557.	609.	293.9	240.62	89.42	-.22	.10
0952	1983	121	13	59	121.58264	85.82658	250.93436	2151418.	1561882.	214.	-521.	563.	292.3	240.64	89.41	-.20	.09
0953	1983	121	14	0	121.58333	85.82917	250.88602	2151693.	1562281.	491.	-122.	506.	346.0	240.66	89.43	-.18	.11
0954	1983	121	14	1	121.58403	85.82586	250.95130	2151315.	1561761.	113.	-643.	653.	280.0	240.64	89.40	-.20	.08
0955	1983	121	14	2	121.58472	85.82472	250.96564	2151246.	1561604.	46.	-800.	801.	273.3	240.62	89.40	-.22	.08
0956	1983	121	14	3	121.58542	85.82642	250.94413	2151349.	1561839.	151.	-565.	585.	284.9	240.65	89.40	-.19	.08
0957	1983	121	14	4	121.58611	85.82440	250.98514	2151108.	1561519.	-88.	-886.	890.	264.3	240.64	89.38	-.21	.06
0958	1983	121	14	5	121.58681	85.82142	251.03058	2150869.	1561065.	-327.	-1320.	1360.	256.1	240.60	89.37	-.25	.05
0959	1983	121	14	6	121.58750	85.82699	250.93695	2151383.	1561917.	189.	-488.	523.	291.2	240.66	89.40	-.19	.08
0960	1983	121	14	7	121.58819	85.82569	250.96106	2151246.	1561718.	53.	-687.	690.	274.4	240.65	89.39	-.20	.07
0961	1983	121	14	8	121.58889	85.82957	250.88860	2151659.	1562317.	468.	-89.	476.	349.3	240.68	89.42	-.17	.10
0962	1983	121	14	9	121.58958	85.82771	250.91999	2151487.	1562039.	297.	-367.	472.	309.0	240.66	89.41	-.19	.09
0963	1983	121	14	10	121.59028	85.82440	250.98514	2151108.	1561519.	-80.	-888.	891.	264.9	240.64	89.38	-.21	.06
0964	1983	121	14	11	121.59097	85.82771	250.91999	2151487.	1562039.	300.	-368.	475.	309.2	240.66	89.41	-.19	.09
0965	1983	121	14	12	121.59167	85.82998	250.89119	2151624.	1562353.	439.	-54.	442.	353.0	240.70	89.41	-.15	.09
0966	1983	121	14	13	121.59236	85.82497	250.97798	2151143.	1561597.	-41.	-810.	811.	267.1	240.65	89.38	-.20	.06
0967	1983	121	14	14	121.59306	85.82771	250.91999	2151487.	1562039.	304.	-369.	478.	309.5	240.66	89.41	-.19	.09
0968	1983	121	14	15	121.59375	85.82699	250.93695	2151383.	1561917.	203.	-490.	531.	292.5	240.66	89.40	-.19	.08
0969	1983	121	14	16	121.59444	85.82812	250.92258	2151452.	1562074.	273.	-334.	431.	309.3	240.68	89.40	-.17	.08
0970	1983	121	14	17	121.59514	85.82093	251.05974	2150663.	1560957.	-515.	-1451.	1540.	250.5	240.63	89.34	-.22	.02
0971	1983	121	14	18	121.59583	85.82658	250.93436	2151418.	1561882.	241.	-527.	580.	294.6	240.64	89.41	-.21	.09
0972	1983	121	14	19	121.59653	85.82311	251.00918	2150971.	1561319.	-204.	-1090.	1108.	259.4	240.63	89.37	-.22	.05
0973	1983	121	14	20	121.59722	85.82238	251.02605	2150868.	1561199.	-305.	-1211.	1248.	255.9	240.63	89.36	-.22	.04
0974	1983	121	14	21	121.59792	85.82045	251.03511	2150869.	1560971.	-303.	-1438.	1470.	258.1	240.57	89.38	-.28	.07
0975	1983	121	14	22	121.59861	85.82368	251.00203	2151005.	1561398.	-165.	-1012.	1026.	260.7	240.64	89.37	-.21	.06
0976	1983	121	14	23	121.59931	85.82941	250.89840	2151590.	1562274.	421.	-136.	442.	342.1	240.69	89.41	-.17	.10
0977	1983	121	14	24	121.60000	85.82295	251.01891	2150903.	1561277.	-265.	-1134.	1164.	256.8	240.64	89.36	-.22	.05
0978	1983	121	14	25	121.60069	85.82295	251.01891	2150903.	1561277.	-264.	-1134.	1164.	256.9	240.64	89.36	-.22	.05
0979	1983	121	14	26	121.60139	85.82351	251.01177	2150937.	1561355.	-228.	-1056.	1080.	257.8	240.65	89.36	-.21	.05
0980	1983	121	14	27	121.60208	85.82424	250.99489	2151040.	1561476.	-123.	-935.	944.	262.5	240.65	89.37	-.21	.06
0981	1983	121	14	28	121.60278	85.82569	250.96106	2151246.	1561718.	84.	-694.	699.	276.9	240.65	89.39	-.21	.08
0982	1983	121	14	29	121.60347	85.82553	250.97082	2151177.	1561675.	17.	-737.	737.	271.3	240.66	89.38	-.20	.07
0983	1983	121	14	30	121.60417	85.82351	251.01177	2150937.	1561355.	-222.	-1057.	1080.	258.1	240.65	89.36	-.21	.05
0984	1983	121	14	31	121.60486	85.82537	250.98058	2151108.	1561632.	-49.	-780.	782.	266.4	240.67	89.37	-.19	.06
0985	1983	121	14	32	121.60556	85.82109	251.05002	2150731.	1561000.	-425.	-1413.	1475.	253.3	240.62	89.35	-.24	.04
0986	1983	121	14	33	121.60625	85.82295	251.01891	2150903.	1561277.	-252.	-1136.	1164.	257.5	240.64	89.36	-.22	.05
0987	1983	121	14	34	121.60694	85.82610	250.96366	2151211.	1561754.	58.	-660.	662.	275.1	240.67	89.38	-.19	.07
0988	1983	121	14	35	121.60764	85.82424	250.99489	2151040.	1561476.	-112.	-938.	944.	263.2	240.65	89.37	-.21	.06

1034	1983	121	15	29	121.64514	85.83022	250.90358	2151521.	1562346.	441.	-90.	450.	348.5	240.73	89.39	-.16	.10
1035	1983	121	15	30	121.64583	85.82877	250.93755	2151314.	1562103.	236.	-333.	408.	305.3	240.73	89.37	-.16	.08
1036	1983	121	15	31	121.64653	85.83152	250.87936	2151659.	1562546.	582.	109.	592.	10.6	240.74	89.40	-.15	.11
1037	1983	121	15	32	121.64722	85.82966	250.91078	2151486.	1562267.	410.	-170.	444.	337.5	240.72	89.39	-.17	.10
1038	1983	121	15	33	121.64792	85.82820	250.94473	2151280.	1562024.	205.	-413.	461.	296.4	240.72	89.37	-.17	.08
1039	1983	121	15	34	121.64861	85.83209	250.87214	2151693.	1562624.	620.	186.	647.	16.7	240.75	89.40	-.14	.11
1040	1983	121	15	35	121.64931	85.83136	250.88917	2151590.	1562503.	517.	64.	521.	7.1	240.75	89.39	-.14	.10
1041	1983	121	15	36	121.65000	85.82594	250.97342	2151143.	1561711.	72.	-728.	732.	275.6	240.68	89.37	-.21	.08
1042	1983	121	15	37	121.65069	85.82893	250.92776	2151383.	1562146.	313.	-294.	430.	316.8	240.72	89.38	-.17	.09
1043	1983	121	15	38	121.65139	85.83265	250.86492	2151728.	1562703.	659.	263.	710.	21.8	240.76	89.40	-.13	.11
1044	1983	121	15	39	121.65208	85.83136	250.88917	2151590.	1562503.	522.	62.	526.	6.8	240.75	89.39	-.14	.10
1045	1983	121	15	40	121.65278	85.82877	250.93755	2151314.	1562103.	248.	-338.	419.	306.3	240.73	89.37	-.17	.08
1046	1983	121	15	41	121.65347	85.83006	250.91338	2151452.	1562303.	387.	-139.	411.	340.3	240.74	89.38	-.16	.09
1047	1983	121	15	42	121.65417	85.82990	250.92317	2151383.	1562260.	319.	-182.	368.	330.3	240.75	89.37	-.15	.08
1048	1983	121	15	43	121.65486	85.82804	250.95451	2151211.	1561982.	149.	-461.	484.	287.9	240.73	89.36	-.17	.07
1049	1983	121	15	44	121.65556	85.83006	250.91338	2151452.	1562303.	391.	-140.	415.	340.2	240.74	89.38	-.16	.09
1050	1983	121	15	45	121.65625	85.82933	250.93036	2151349.	1562181.	289.	-262.	390.	317.7	240.74	89.37	-.16	.08
1051	1983	121	15	46	121.65694	85.83136	250.88917	2151590.	1562503.	531.	59.	534.	6.3	240.75	89.39	-.15	.10
1052	1983	121	15	47	121.65764	85.83079	250.89638	2151555.	1562424.	498.	-20.	498.	357.7	240.74	89.39	-.16	.10
1053	1983	121	15	48	121.65833	85.82860	250.94733	2151245.	1562060.	189.	-385.	429.	296.1	240.74	89.36	-.16	.07
1054	1983	121	15	49	121.65903	85.82917	250.94014	2151280.	1562138.	225.	-307.	380.	306.2	240.75	89.36	-.15	.07
1055	1983	121	15	50	121.65972	85.83209	250.87214	2151693.	1562624.	639.	178.	664.	15.6	240.75	89.40	-.15	.11
1056	1983	121	15	51	121.66042	85.82747	250.96168	2151177.	1561903.	124.	-543.	557.	282.9	240.72	89.36	-.18	.07
1057	1983	121	15	52	121.66111	85.82950	250.92057	2151417.	1562224.	366.	-223.	428.	328.7	240.73	89.38	-.17	.09
1058	1983	121	15	53	121.66181	85.82844	250.95710	2151176.	1562017.	126.	-430.	448.	286.3	240.75	89.35	-.15	.06
1059	1983	121	15	54	121.66250	85.82731	250.97145	2151108.	1561860.	59.	-588.	591.	275.7	240.73	89.35	-.17	.06
1060	1983	121	15	55	121.66319	85.82877	250.93755	2151314.	1562103.	266.	-346.	436.	307.6	240.73	89.37	-.17	.08
1061	1983	121	15	56	121.66389	85.82974	250.93296	2151314.	1562217.	267.	-232.	354.	319.1	240.76	89.36	-.14	.07
1062	1983	121	15	57	121.66458	85.82545	251.00268	2150936.	1561583.	-109.	-867.	874.	262.8	240.71	89.34	-.19	.05
1063	1983	121	15	58	121.66528	85.83063	250.90618	2151486.	1562381.	442.	-69.	447.	351.2	240.75	89.38	-.15	.09
1064	1983	121	16	0	121.66730	85.82747	250.96168	2151177.	1561903.	136.	-548.	565.	283.9	240.72	89.36	-.19	.08
1065	1983	121	16	2	121.66806	85.82974	250.93296	2151314.	1562217.	275.	-235.	362.	319.5	240.76	89.36	-.15	.08
1066	1983	121	16	3	121.66875	85.83063	250.90618	2151486.	1562381.	448.	-71.	454.	351.0	240.75	89.38	-.16	.10
1067	1983	121	16	4	121.66944	85.82917	250.94014	2151280.	1562138.	243.	-315.	397.	307.7	240.75	89.36	-.16	.08
1068	1983	121	16	5	121.67014	85.83217	250.89436	2151521.	1562574.	485.	121.	500.	14.0	240.79	89.37	-.12	.09
1069	1983	121	16	6	121.67083	85.83047	250.91597	2151417.	1562338.	383.	-116.	400.	343.2	240.76	89.37	-.15	.09
1070	1983	121	16	7	121.67153	85.82788	250.96428	2151142.	1561939.	109.	-516.	527.	281.9	240.74	89.35	-.17	.07
1071	1983	121	16	8	121.67222	85.82844	250.95710	2151176.	1562017.	145.	-438.	461.	288.3	240.75	89.35	-.16	.07
1072	1983	121	16	9	121.67292	85.83087	250.91657	2151383.	1562374.	352.	-81.	361.	347.0	240.78	89.36	-.13	.08
1073	1983	121	16	10	121.67361	85.83087	250.91857	2151383.	1562374.	353.	-82.	363.	346.9	240.78	89.36	-.13	.08
1074	1983	121	16	11	121.67431	85.83160	250.90157	2151486.	1562496.	458.	39.	460.	4.9	240.78	89.37	-.13	.09
1075	1983	121	16	12	121.67500	85.83233	250.88455	2151590.	1562617.	563.	160.	585.	15.9	240.78	89.38	-.13	.10
1076	1983	121	16	13	121.67569	85.82731	250.97145	2151108.	1561860.	82.	-597.	603.	277.8	240.73	89.35	-.18	.07
1077	1983	121	16	14	121.67639	85.83047	250.91597	2151417.	1562338.	393.	-120.	411.	343.1	240.76	89.37	-.15	.09
1078	1983	121	16	15	121.67708	85.83047	250.91597	2151417.	1562338.	394.	-120.	412.	343.0	240.76	89.37	-.15	.09

0989	1983	121	14	36	121.60833	85.81964	251.08366	2150526.	1560759.	-624.	-1655.	1769.	249.3	240.62	89.33	-.24	.02
0990	1983	121	14	37	121.60903	85.82351	251.01177	2150937.	1561355.	-212.	-1059.	1080.	258.7	240.65	89.36	-.21	.05
0991	1983	121	14	38	121.60972	85.82666	250.95649	2151246.	1561832.	99.	-583.	591.	279.6	240.68	89.38	-.18	.07
0992	1983	121	14	39	121.61042	85.82594	250.97342	2151143.	1561711.	-3.	-704.	704.	269.7	240.68	89.37	-.18	.06
0993	1983	121	14	40	121.61111	85.82666	250.95649	2151246.	1561832.	101.	-583.	592.	279.9	240.68	89.38	-.18	.07
0994	1983	121	14	41	121.61181	85.82351	251.01177	2150937.	1561355.	-206.	-1060.	1080.	259.0	240.65	89.36	-.21	.05
0995	1983	121	14	42	121.61250	85.82537	250.98058	2151108.	1561632.	-33.	-783.	784.	267.6	240.67	89.37	-.20	.06
0996	1983	121	14	43	121.61319	85.82780	250.94213	2151314.	1561989.	175.	-427.	462.	292.2	240.70	89.38	-.17	.07
0997	1983	121	14	44	121.61389	85.82464	250.99748	2151005.	1561511.	-133.	-905.	915.	261.6	240.67	89.36	-.20	.05
0998	1983	121	14	45	121.61458	85.81199	251.19490	2149947.	1559662.	-1190.	-2754.	3000.	246.6	240.51	89.31	-.36	.00
0999	1983	121	14	46	121.61528	85.82497	250.97798	2151143.	1561597.	7.	-820.	820.	270.5	240.65	89.38	-.22	.07
1000	1983	121	14	47	121.61597	85.82448	251.00723	2150937.	1561469.	-197.	-948.	969.	258.2	240.68	89.35	-.19	.04
1001	1983	121	14	48	121.61667	85.82464	250.99748	2151005.	1561511.	-127.	-906.	915.	262.0	240.67	89.36	-.20	.05
1002	1983	121	14	49	121.61736	85.82691	250.96885	2151142.	1561825.	11.	-593.	593.	271.1	240.71	89.36	-.16	.05
1003	1983	121	14	50	121.61806	85.82634	250.97601	2151108.	1561746.	-22.	-672.	672.	268.2	240.70	89.36	-.17	.05
1004	1983	121	14	51	121.61875	85.82150	251.05262	2150697.	1561035.	-431.	-1383.	1449.	252.7	240.64	89.34	-.23	.03
1005	1983	121	14	52	121.61944	85.82521	250.99033	2151040.	1561590.	-87.	-829.	833.	264.0	240.68	89.36	-.19	.06
1006	1983	121	14	53	121.62014	85.82150	251.05262	2150697.	1561035.	-428.	-1384.	1448.	252.8	240.64	89.34	-.23	.04
1007	1983	121	14	54	121.62083	85.82594	250.97342	2151143.	1561711.	19.	-708.	709.	271.5	240.68	89.37	-.19	.07
1008	1983	121	14	55	121.62153	85.82521	250.99033	2151040.	1561590.	-83.	-830.	834.	264.3	240.68	89.36	-.19	.06
1009	1983	121	14	56	121.62222	85.82521	250.99033	2151040.	1561590.	-81.	-830.	834.	264.4	240.68	89.36	-.19	.06
1010	1983	121	14	57	121.62292	85.82537	250.98058	2151108.	1561632.	-11.	-788.	788.	269.2	240.67	89.37	-.20	.07
1011	1983	121	14	58	121.62361	85.82521	250.99033	2151040.	1561590.	-78.	-831.	834.	264.6	240.68	89.36	-.19	.06
1012	1983	121	14	59	121.62431	85.82537	250.98058	2151108.	1561632.	-8.	-788.	788.	269.4	240.67	89.37	-.20	.07
1013	1983	121	15	0	121.62500	85.82077	251.06945	2150594.	1560915.	-521.	-1506.	1594.	250.9	240.64	89.33	-.23	.03
1014	1983	121	15	1	121.62569	85.82707	250.95908	2151211.	1561868.	97.	-554.	562.	280.0	240.70	89.37	-.18	.07
1015	1983	121	15	2	121.62639	85.82577	250.98317	2151074.	1561668.	-39.	-754.	755.	267.1	240.69	89.36	-.19	.06
1016	1983	121	15	3	121.62708	85.82521	250.99033	2151040.	1561590.	-72.	-833.	836.	265.1	240.68	89.36	-.20	.06
1017	1983	121	15	4	121.62778	85.82666	250.95649	2151246.	1561832.	136.	-591.	606.	282.9	240.68	89.38	-.20	.08
1018	1983	121	15	5	121.62847	85.82909	250.91798	2151452.	1562189.	343.	-235.	416.	325.6	240.71	89.39	-.17	.09
1019	1983	121	15	6	121.62917	85.82392	251.01437	2150902.	1561391.	-205.	-1033.	1054.	258.8	240.67	89.35	-.21	.05
1020	1983	121	15	7	121.62986	85.82707	250.95908	2151211.	1561868.	105.	-557.	567.	280.7	240.70	89.37	-.18	.07
1021	1983	121	15	8	121.63056	85.82966	250.91078	2151486.	1562267.	381.	-158.	413.	337.5	240.72	89.39	-.16	.09
1022	1983	121	15	9	121.63125	85.82909	250.91798	2151452.	1562189.	348.	-237.	421.	325.7	240.71	89.39	-.17	.09
1023	1983	121	15	18	121.63778	85.82448	251.00723	2150937.	1561469.	-156.	-961.	974.	260.8	240.68	89.35	-.20	.05
1024	1983	121	15	19	121.63819	85.82707	250.95908	2151211.	1561868.	119.	-563.	575.	282.0	240.70	89.37	-.18	.07
1025	1983	121	15	20	121.63889	85.82707	250.95908	2151211.	1561868.	121.	-563.	576.	282.1	240.70	89.37	-.19	.07
1026	1983	121	15	21	121.63958	85.83006	250.91338	2151452.	1562303.	363.	-129.	385.	340.4	240.74	89.38	-.15	.08
1027	1983	121	15	22	121.64028	85.82820	250.94473	2151280.	1562024.	192.	-408.	450.	295.2	240.72	89.37	-.17	.07
1028	1983	121	15	23	121.64097	85.82820	250.94473	2151280.	1562024.	193.	-408.	451.	295.3	240.72	89.37	-.17	.07
1029	1983	121	15	24	121.64167	85.82877	250.93755	2151314.	1562103.	229.	-330.	402.	304.7	240.73	89.37	-.16	.07
1030	1983	121	15	25	121.64236	85.82893	250.92776	2151383.	1562146.	299.	-268.	415.	316.1	240.72	89.38	-.17	.08
1031	1983	121	15	26	121.64306	85.82966	250.91078	2151486.	1562267.	403.	-167.	436.	337.5	240.72	89.39	-.17	.10
1032	1983	121	15	27	121.64375	85.82966	250.91078	2151486.	1562267.	404.	-167.	438.	337.5	240.72	89.39	-.17	.10
1033	1983	121	15	28	121.64444	85.82723	250.94931	2151280.	1561910.	199.	-525.	561.	290.8	240.69	89.38	-.20	.09

1079	1983	121	16	16	121.67778	85.83047	250.91597	2151417.	1562338.	395.	-121.	413.	343.0	240.76	89.37	-.15	.09
1080	1983	121	16	17	121.67847	85.82715	250.98121	2151039.	1561818.	18.	-642.	642.	271.6	240.74	89.34	-.17	.06
1081	1983	121	16	18	121.67917	85.83047	250.91597	2151417.	1562338.	398.	-122.	416.	343.0	240.76	89.37	-.15	.09
1082	1983	121	16	19	121.67986	85.82958	250.94274	2151245.	1562174.	227.	-286.	365.	308.4	240.77	89.35	-.15	.07
1083	1983	121	16	20	121.68056	85.83160	250.90157	2151486.	1562496.	469.	35.	470.	4.2	240.78	89.37	-.14	.09
1084	1983	121	16	21	121.68125	85.82844	250.95710	2151176.	1562017.	160.	-444.	472.	289.9	240.75	89.35	-.17	.07
1085	1983	121	16	22	121.68194	85.83233	250.88455	2151590.	1562617.	575.	155.	595.	15.1	240.78	89.38	-.14	.10
1086	1983	121	16	23	121.68264	85.83030	250.92577	2151348.	1562295.	335.	-167.	374.	333.5	240.77	89.36	-.15	.08
1087	1983	121	16	24	121.68333	85.82917	250.94014	2151280.	1562138.	267.	-325.	420.	309.5	240.75	89.36	-.17	.08
1088	1983	121	16	25	121.68403	85.83346	250.87011	2151658.	1562775.	647.	311.	718.	25.7	240.80	89.38	-.12	.10
1089	1983	121	16	26	121.68472	85.83103	250.90877	2151452.	1562417.	442.	-47.	444.	353.9	240.77	89.37	-.15	.09
1090	1983	121	16	27	121.68542	85.83273	250.88714	2151555.	1562653.	546.	188.	578.	19.0	240.80	89.37	-.12	.09
1091	1983	121	16	28	121.68611	85.83200	250.90416	2151452.	1562531.	444.	66.	449.	8.5	240.80	89.36	-.12	.08
1092	1983	121	16	29	121.68681	85.83419	250.85305	2151762.	1562896.	756.	431.	870.	29.7	240.80	89.39	-.12	.11
1093	1983	121	16	30	121.68750	85.83160	250.90157	2151486.	1562496.	481.	30.	482.	3.5	240.78	89.37	-.14	.09
1094	1983	121	16	31	121.68819	85.83419	250.85305	2151762.	1562896.	758.	430.	872.	29.5	240.80	89.39	-.12	.11
1095	1983	121	16	32	121.68889	85.83047	250.91597	2151417.	1562338.	415.	-129.	434.	342.8	240.76	89.37	-.16	.09
1096	1983	121	16	33	121.68958	85.83087	250.91857	2151383.	1562374.	381.	-93.	393.	346.2	240.78	89.36	-.14	.08
1097	1983	121	16	34	121.69028	85.82755	250.98381	2151005.	1561853.	4.	-615.	615.	270.4	240.76	89.33	-.16	.05
1098	1983	121	16	35	121.69097	85.83403	250.86288	2151693.	1562853.	694.	385.	794.	29.0	240.81	89.38	-.11	.10
1099	1983	121	16	37	121.69245	85.82432	251.01697	2150868.	1561426.	-128.	-1043.	1051.	263.0	240.69	89.34	-.23	.07
1100	1983	121	16	38	121.69306	85.82974	250.93296	2151314.	1562217.	319.	-253.	407.	321.6	240.76	89.36	-.16	.09
1101	1983	121	16	39	121.69375	85.82771	250.97405	2151073.	1561896.	79.	-575.	580.	277.9	240.75	89.34	-.18	.07
1102	1983	121	16	40	121.69444	85.82456	251.02931	2150765.	1561419.	-228.	-1052.	1077.	257.8	240.72	89.32	-.21	.05
1103	1983	121	16	41	121.69514	85.82771	250.97405	2151073.	1561896.	82.	-576.	581.	278.1	240.75	89.34	-.18	.07
1104	1983	121	16	42	121.69583	85.83330	250.87993	2151589.	1562732.	599.	260.	653.	23.4	240.81	89.37	-.12	.10
1105	1983	121	16	43	121.69653	85.83679	250.80438	2152038.	1563298.	1049.	825.	1335.	38.2	240.82	89.41	-.11	.14
1106	1983	121	16	44	121.69722	85.83273	250.88714	2151555.	1562653.	567.	180.	595.	17.6	240.80	89.37	-.13	.10
1107	1983	121	16	45	121.69792	85.82642	250.99813	2150936.	1561696.	-51.	-777.	779.	266.3	240.74	89.33	-.19	.06
1108	1983	121	16	46	121.69861	85.82755	250.98381	2151005.	1561853.	19.	-621.	621.	271.8	240.76	89.33	-.17	.06
1109	1983	121	16	47	121.69931	85.83241	250.90676	2151417.	1562567.	433.	92.	442.	12.1	240.82	89.35	-.11	.08
1110	1983	121	16	48	121.70000	85.83071	250.92836	2151314.	1562331.	331.	-144.	361.	336.5	240.79	89.35	-.14	.08
1111	1983	121	16	49	121.70069	85.83371	250.88252	2151555.	1562767.	573.	292.	643.	27.0	240.83	89.36	-.10	.09
1112	1983	121	16	50	121.70139	85.83200	250.90416	2151452.	1562531.	471.	55.	474.	6.7	240.80	89.36	-.13	.09
1113	1983	121	16	51	121.70208	85.83517	250.84841	2151762.	1563011.	783.	534.	948.	34.3	240.83	89.38	-.10	.11
1114	1983	121	16	52	121.70278	85.83071	250.92836	2151314.	1562331.	336.	-146.	366.	336.5	240.79	89.35	-.14	.08
1115	1983	121	16	53	121.70347	85.82699	250.99098	2150970.	1561775.	-7.	-703.	703.	269.5	240.75	89.33	-.18	.06
1116	1983	121	16	54	121.70417	85.83128	250.92117	2151348.	1562410.	373.	-68.	379.	349.6	240.80	89.35	-.13	.08
1117	1983	121	16	55	121.70486	85.83257	250.89696	2151486.	1562610.	512.	131.	528.	14.4	240.81	89.36	-.12	.09
1118	1983	121	16	56	121.70556	85.82958	250.94274	2151245.	1562174.	272.	-305.	409.	311.7	240.77	89.35	-.16	.08
1119	1983	121	16	57	121.70625	85.83071	250.92836	2151314.	1562331.	342.	-148.	373.	336.5	240.79	89.35	-.14	.08
1120	1983	121	16	58	121.70694	85.83298	250.89955	2151451.	1562646.	481.	166.	508.	19.0	240.83	89.35	-.11	.08
1121	1983	121	16	59	121.70764	85.84916	250.65351	2152732.	1564997.	1763.	2516.	3072.	55.0	241.05	89.40	.11	.13
1122	1983	121	17	0	121.70833	85.84028	250.78309	2152073.	1563721.	1104.	1240.	1661.	48.3	240.92	89.38	-.02	.11
1123	1983	121	17	1	121.70903	85.83703	250.81683	2151935.	1563290.	967.	809.	1261.	39.9	240.85	89.39	-.09	.12

1124	1983	121	17	2	121.70972	85.83371	250.88252	2151555.	1562767.	589.	285.	654.	25.8	240.83	89.36	-.11	.09
1125	1983	121	17	3	121.71042	85.83022	250.95773	2151107.	1562202.	142.	-280.	314.	297.0	240.82	89.32	-.12	.05
1126	1983	121	17	4	121.71111	85.83144	250.91137	2151417.	1562453.	454.	-30.	455.	356.2	240.79	89.36	-.15	.09
1127	1983	121	17	5	121.71181	85.82755	250.98381	2151005.	1561853.	42.	-630.	632.	273.8	240.76	89.33	-.18	.06
1128	1983	121	17	6	121.71250	85.82958	250.94274	2151245.	1562174.	284.	-310.	420.	312.5	240.77	89.35	-.17	.08
1129	1983	121	17	7	121.71319	85.82375	251.07798	2150421.	1561206.	-538.	-1279.	1388.	247.2	240.77	89.27	-.17	.00
1130	1983	121	17	8	121.71389	85.83776	250.79971	2152038.	1563413.	1080.	928.	1423.	40.7	240.85	89.40	-.09	.13
1131	1983	121	17	9	121.71458	85.82941	250.95253	2151176.	1562131.	219.	-354.	416.	301.7	240.78	89.34	-.16	.07
1132	1983	121	17	10	121.71528	85.82440	251.03905	2150696.	1561376.	-260.	-1110.	1140.	256.8	240.73	89.31	-.21	.04
1133	1983	121	17	11	121.71597	85.83055	250.93816	2151245.	1562288.	290.	-198.	351.	325.6	240.80	89.34	-.14	.08
1134	1983	121	17	12	121.71667	85.83030	250.92577	2151348.	1562295.	395.	-192.	439.	334.1	240.77	89.36	-.17	.10
1135	1983	121	17	13	121.71736	85.83184	250.91397	2151383.	1562488.	430.	1.	430.	1	240.81	89.35	-.13	.09
1136	1983	121	17	14	121.71806	85.82165	251.09669	2150354.	1560936.	-598.	-1552.	1663.	248.9	240.72	89.28	-.22	.02
1137	1983	121	17	15	121.71875	85.83792	250.78985	2152108.	1563456.	1158.	967.	1508.	39.9	240.84	89.41	-.10	.15
1138	1983	121	17	16	121.71944	85.83963	250.76802	2152211.	1563693.	1263.	1204.	1744.	43.6	240.87	89.41	-.07	.15
1139	1983	121	17	17	121.72014	85.83833	250.79244	2152073.	1563491.	1125.	1002.	1507.	41.7	240.86	89.40	-.08	.14
1140	1983	121	17	18	121.72083	85.85095	250.70893	2152246.	1565038.	1259.	2548.	2860.	63.0	241.21	89.30	.26	.04
1141	1983	121	17	19	121.72153	85.82828	250.96688	2151108.	1561974.	163.	-516.	541.	287.5	240.76	89.34	-.19	.08
1142	1983	121	17	20	121.72222	85.82739	250.99358	2150936.	1561810.	-8.	-681.	681.	269.3	240.77	89.32	-.18	.06
1143	1983	121	17	21	121.72292	85.82585	251.00528	2150902.	1561618.	-41.	-873.	874.	267.3	240.73	89.33	-.22	.07
1144	1983	121	17	22	121.72361	85.83354	250.89234	2151486.	1562724.	544.	232.	592.	23.1	240.84	89.35	-.11	.09
1145	1983	121	17	23	121.72431	85.83533	250.83858	2151831.	1563054.	891.	561.	1053.	32.2	240.82	89.39	-.13	.13
1146	1983	121	17	24	121.72500	85.83630	250.83393	2151831.	1563168.	892.	675.	1119.	37.1	240.85	89.38	-.10	.12
1147	1983	121	17	25	121.72569	85.83517	250.84841	2151762.	1563011.	824.	517.	973.	32.1	240.83	89.38	-.12	.12
1148	1983	121	17	26	121.72639	85.82674	250.97861	2151074.	1561782.	137.	-712.	725.	280.9	240.72	89.35	-.23	.09
1149	1983	121	17	27	121.72708	85.83330	250.87993	2151589.	1562732.	654.	237.	696.	19.9	240.81	89.37	-.14	.11
1150	1983	121	17	28	121.72778	85.82472	251.01957	2150833.	1561462.	-101.	-1033.	1038.	264.4	240.71	89.33	-.24	.07
1151	1983	121	17	29	121.72847	85.82755	250.98381	2151005.	1561853.	72.	-642.	646.	276.4	240.76	89.33	-.19	.07
1152	1983	121	17	30	121.72917	85.82941	250.95253	2151176.	1562131.	245.	-365.	439.	303.8	240.78	89.34	-.17	.08
1153	1983	121	17	31	121.72986	85.83403	250.86288	2151693.	1562853.	762.	357.	842.	25.1	240.81	89.38	-.14	.12
1154	1983	121	17	32	121.73056	85.83208	250.92637	2151279.	1562481.	350.	-16.	350.	357.4	240.84	89.33	-.11	.07
1155	1983	121	17	33	121.73125	85.83411	250.88512	2151520.	1562803.	592.	305.	666.	27.3	240.85	89.35	-.10	.09
1156	1983	121	17	34	121.73194	85.82294	251.07276	2150490.	1561135.	-436.	-1363.	1432.	252.2	240.73	89.29	-.22	.03
1157	1983	121	17	35	121.73264	85.83614	250.84377	2151762.	1563125.	836.	627.	1045.	36.9	240.86	89.37	-.09	.11
1158	1983	121	17	36	121.73333	85.81031	251.21600	2149845.	1559430.	-1079.	-3069.	3254.	250.6	240.48	89.31	-.47	.05
1159	1983	121	17	37	121.73403	85.81208	251.16338	2150186.	1559754.	-737.	-2746.	2843.	255.0	240.46	89.35	-.49	.09
1160	1983	121	17	38	121.73472	85.83176	250.94597	2151141.	1562395.	219.	-105.	243.	334.4	240.86	89.31	-.10	.05
1161	1983	121	17	39	121.73542	85.81915	251.11276	2150320.	1560631.	-600.	-1869.	1963.	252.2	240.65	89.30	-.31	.04
1162	1983	121	17	40	121.73611	85.84720	250.86302	2152732.	1564766.	1813.	2265.	2901.	51.3	240.99	89.42	.03	.16
1163	1983	121	17	41	121.73681	85.84166	250.72637	2152454.	1564017.	1536.	1515.	2157.	44.6	240.88	89.43	-.08	.17
1164	1983	121	17	42	121.73750	85.86290	250.47565	2153571.	1566913.	2654.	4411.	5148.	59.0	241.29	89.40	.33	.14
1165	1983	121	17	43	121.73819	85.86667	250.52187	2153082.	1567184.	2166.	4682.	5159.	65.2	241.51	89.28	.55	.02
1166	1983	121	17	44	121.73889	85.88315	250.23452	2154631.	1569682.	3717.	7179.	8084.	62.6	241.68	89.37	.72	.11
1167	1983	121	17	45	121.73958	85.88786	250.13999	2155163.	1570430.	4250.	7927.	8994.	61.8	241.71	89.41	.75	.16
1168	1983	121	17	46	121.74028	85.88969	250.14011	2155093.	1570620.	4181.	8116.	9130.	62.7	241.78	89.38	.82	.13

1169	1983	121	17	47	121.74097	85.87506	250.34076	2154136.	1568549.	3225.	6045.	6851.	61.9	241.54	89.37	.58	.12
1170	1983	121	17	48	121.74167	85.88373	250.22690	2154667.	1569763.	3757.	7258.	8173.	62.6	241.69	89.37	.73	.12
1171	1983	121	17	49	121.74236	85.90606	249.88930	2156346.	1573012.	5437.	10507.	11830.	62.6	242.01	89.42	1.05	.17
1172	1983	121	17	50	121.74306	85.87985	250.32616	2154067.	1569089.	3159.	6583.	7302.	64.4	241.70	89.31	.74	.06
1173	1983	121	17	51	121.74375	85.86511	250.53415	2153047.	1566988.	2141.	4482.	4967.	64.5	241.47	89.29	.51	.04
1174	1983	121	17	52	121.74444	85.87432	250.41441	2153609.	1568273.	2704.	5766.	6369.	64.9	241.63	89.29	.67	.04
1175	1983	121	17	53	121.74514	85.88538	250.23733	2154526.	1569908.	3623.	7400.	8239.	63.9	241.77	89.33	.81	.08
1176	1983	121	17	54	121.74583	85.85691	250.64795	2152489.	1565825.	1586.	3317.	3677.	64.4	241.34	89.28	.38	.03
1177	1983	121	17	55	121.74653	85.88166	250.27018	2154419.	1569430.	3518.	6921.	7764.	63.1	241.68	89.35	.72	.10
1178	1983	121	17	56	121.74722	85.88100	250.31100	2154137.	1569251.	3237.	6742.	7479.	64.4	241.72	89.31	.76	.06
1179	1983	121	17	57	121.74792	85.86897	250.49201	2153222.	1567505.	2324.	4996.	5510.	65.1	241.55	89.28	.58	.03
1180	1983	121	17	58	121.74861	85.87622	250.32564	2154206.	1568710.	3309.	6200.	7028.	61.9	241.56	89.37	.59	.12
1181	1983	121	17	59	121.74931	85.88158	250.24715	2154595.	1569483.	3699.	6973.	7893.	62.1	241.64	89.38	.67	.13
1182	1983	121	18	0	121.75000	85.87448	250.40427	2153679.	1568318.	2784.	5807.	6440.	64.4	241.62	89.30	.65	.05
1183	1983	121	18	1	121.75069	85.87745	250.33346	2154101.	1568819.	3207.	6308.	7076.	63.1	241.62	89.34	.65	.07
1184	1983	121	18	2	121.75139	85.87679	250.37413	2153820.	1568640.	2926.	6129.	6791.	64.5	241.66	89.30	.69	.05
1185	1983	121	18	3	121.75208	85.87646	250.33841	2154101.	1568702.	3208.	6190.	6972.	62.6	241.59	89.35	.62	.10
1186	1983	121	18	4	121.75278	85.87968	250.33634	2153996.	1569044.	3104.	6532.	7232.	64.6	241.71	89.30	.74	.05
1187	1983	121	18	5	121.75347	85.90273	249.98298	2155774.	1572410.	4883.	9897.	11036.	63.7	242.03	89.36	1.06	.11
1188	1983	121	18	6	121.75417	85.91584	249.93904	2155602.	1573898.	4711.	11384.	12321.	67.5	242.46	89.20	1.49	.05
1189	1983	121	18	7	121.75486	85.93845	249.53360	2157734.	1577365.	6844.	14851.	16352.	65.3	242.69	89.32	1.72	.07
1190	1983	121	18	8	121.75556	85.95316	249.24641	2159271.	1579690.	8382.	17176.	19112.	64.0	242.81	89.42	1.84	.17
1191	1983	121	18	9	121.75625	85.93592	249.57654	2157516.	1576983.	6627.	14468.	15914.	65.4	242.66	89.31	1.69	.06
1192	1983	121	18	10	121.75694	85.93896	249.50151	2157951.	1577506.	7064.	14991.	16571.	64.8	242.66	89.35	1.69	.10
1193	1983	121	18	11	121.75764	85.92111	249.69453	2157216.	1575116.	6329.	12600.	14100.	63.3	242.28	89.41	1.31	.16
1194	1983	121	18	12	121.75833	85.93685	249.54713	2157697.	1577161.	6810.	14645.	16151.	65.1	242.65	89.33	1.68	.08
1195	1983	121	18	13	121.75903	85.93255	249.61411	2157369.	1576529.	6483.	14012.	15439.	65.2	242.59	89.32	1.62	.07
1196	1983	121	18	14	121.75972	85.93348	249.58478	2157550.	1576706.	6665.	14189.	15676.	64.8	242.58	89.34	1.61	.09
1197	1983	121	18	15	121.76042	85.91484	249.82895	2156459.	1574093.	5575.	11576.	12848.	64.3	242.25	89.35	1.28	.10
1198	1983	121	18	16	121.76111	85.93997	249.49603	2157952.	1577626.	7069.	15109.	16681.	64.9	242.69	89.34	1.72	.09
1199	1983	121	18	17	121.76181	85.93870	249.48820	2158060.	1577516.	7177.	14998.	16626.	64.4	242.63	89.37	1.66	.12
1200	1983	121	18	18	121.76250	85.94656	249.37172	2158610.	1578656.	7728.	16137.	17892.	64.4	242.75	89.38	1.78	.13
1201	1983	121	18	19	121.76319	85.92347	249.77875	2156500.	1575131.	5619.	12612.	13807.	66.0	242.50	89.27	1.53	.02
1202	1983	121	18	20	121.76389	85.91918	249.72892	2157035.	1574820.	6154.	12301.	13755.	63.4	242.26	89.40	1.29	.15
1203	1983	121	18	21	121.76458	85.89466	250.05787	2155521.	1571363.	4641.	8844.	9987.	62.3	241.84	89.40	.87	.15
1204	1983	121	18	22	121.76528	85.88398	250.23974	2154561.	1569754.	3682.	7234.	8117.	63.0	241.72	89.35	.75	.10
1205	1983	121	18	23	121.76597	85.88009	250.28277	2154384.	1569232.	3505.	6711.	7571.	62.4	241.64	89.36	.67	.11
1206	1983	121	18	24	121.76667	85.89516	250.02688	2155734.	1571499.	4856.	8978.	10208.	61.6	241.81	89.43	.84	.18
1207	1983	121	18	25	121.76736	85.87127	250.46207	2153363.	1567827.	2486.	5305.	5859.	64.9	241.59	89.28	.62	.03
1208	1983	121	18	26	121.76806	85.89458	250.09145	2155273.	1571264.	4396.	8742.	9785.	63.3	241.89	89.36	.91	.11
1209	1983	121	18	27	121.76875	85.90447	249.90236	2156309.	1572811.	5433.	10289.	11636.	62.2	241.97	89.43	.99	.18
1210	1983	121	18	28	121.76944	85.89209	250.07584	2155484.	1571046.	4609.	8523.	9689.	61.6	241.77	89.42	.79	.17
1211	1983	121	18	29	121.77014	85.88654	250.22207	2154597.	1570070.	3723.	7547.	8415.	63.7	241.79	89.33	.81	.08
1212	1983	121	18	30	121.77083	85.89118	250.10416	2155306.	1570874.	4433.	8350.	9454.	62.0	241.78	89.40	.80	.15
1213	1983	121	18	31	121.77153	85.87910	250.28776	2154383.	1569115.	3510.	6591.	7467.	62.0	241.61	89.37	.63	.12

1214	1983	121	18	32	121.77222	85.87688	250.34102	2154066.	1568738.	3194.	6214.	6987.	62.8	241.61	89.34	.63	.10
1215	1983	121	18	33	121.77292	85.87580	250.37905	2153820.	1568524.	2948.	5999.	6684.	63.8	241.63	89.31	.65	.07
1216	1983	121	18	34	121.77361	85.88208	250.27279	2154384.	1569466.	3514.	6941.	7780.	63.2	241.70	89.34	.72	.10
1217	1983	121	18	35	121.77431	85.89068	250.19168	2154669.	1570585.	3799.	8060.	8910.	64.8	241.90	89.30	.92	.06
1218	1983	121	18	36	121.77500	85.87317	250.42944	2153538.	1568112.	2669.	5587.	6191.	64.5	241.61	89.29	.63	.05
1219	1983	121	18	37	121.77569	85.90298	249.99598	2155667.	1572401.	4799.	9874.	10979.	64.1	242.06	89.34	1.08	.10
1220	1983	121	18	38	121.77639	85.87754	250.35641	2153925.	1568766.	3058.	6239.	6948.	63.9	241.66	89.31	.68	.07
1221	1983	121	18	39	121.77708	85.87712	250.35380	2153960.	1568730.	3093.	6203.	6931.	63.5	241.64	89.32	.66	.08
1222	1983	121	18	40	121.77778	85.89317	250.09395	2155307.	1571110.	4441.	8582.	9663.	62.6	241.84	89.38	.86	.14
1223	1983	121	18	41	121.77847	85.89481	250.27467	2153892.	1570793.	3027.	8265.	8802.	69.9	242.19	89.13	1.21	.11
1224	1983	121	18	42	121.77917	85.92540	249.68626	2157112.	1575585.	6247.	13057.	14474.	64.4	242.43	89.35	1.45	.11
1225	1983	121	18	43	121.77986	85.94369	249.43661	2158245.	1578177.	7381.	15649.	17302.	64.7	242.74	89.35	1.76	.11
1226	1983	121	18	44	121.78056	85.95054	249.32520	2158796.	1579199.	7933.	16670.	18461.	64.6	242.83	89.37	1.85	.13
1227	1983	121	18	45	121.78125	85.94970	249.37920	2158432.	1578962.	7570.	16432.	18092.	65.3	242.88	89.32	1.90	.08
1228	1983	121	18	46	121.78194	85.95063	249.34942	2158615.	1579141.	7753.	16611.	18331.	65.0	242.87	89.34	1.89	.10
1229	1983	121	18	47	121.78264	85.95385	249.26244	2159127.	1579717.	8265.	17186.	19071.	64.3	242.86	89.39	1.88	.15
1230	1983	121	18	48	121.78333	85.95004	249.35761	2158578.	1579057.	7717.	16526.	18239.	65.0	242.86	89.34	1.88	.10
1231	1983	121	18	49	121.78403	85.95751	249.23725	2159167.	1580167.	8307.	17636.	19494.	64.8	242.96	89.36	1.98	.12
1232	1983	121	18	50	121.78472	85.92817	249.71517	2156790.	1575796.	5931.	13264.	14530.	65.9	242.58	89.27	1.60	.03
1233	1983	121	18	51	121.78542	85.95199	249.32221	2158761.	1579358.	7903.	16826.	18589.	64.8	242.88	89.35	1.90	.11
1234	1983	121	18	52	121.78611	85.95190	249.29796	2158943.	1579415.	8085.	16883.	18719.	64.4	242.84	89.38	1.86	.14
1235	1983	121	18	53	121.78681	85.94563	249.40142	2158428.	1578477.	7571.	15944.	17651.	64.6	242.76	89.36	1.78	.12
1236	1983	121	18	54	121.78750	85.94800	249.36876	2158576.	1578814.	7719.	16281.	18018.	64.6	242.80	89.36	1.82	.12
1237	1983	121	18	55	121.78819	85.94242	249.42879	2158352.	1578067.	7497.	15533.	17248.	64.2	242.68	89.38	1.70	.14
1238	1983	121	18	56	121.78889	85.94487	249.42033	2158319.	1578346.	7464.	15812.	17485.	64.7	242.76	89.35	1.78	.11
1239	1983	121	18	57	121.78958	85.94919	249.35239	2158649.	1578983.	7795.	16448.	18202.	64.6	242.82	89.36	1.83	.12
1240	1983	121	18	58	121.79028	85.95699	249.21031	2159385.	1580188.	8532.	17653.	19607.	64.2	242.90	89.40	1.91	.16
1241	1983	121	18	59	121.79097	85.93441	249.61393	2157298.	1576722.	6446.	14187.	15583.	65.6	242.66	89.29	1.67	.05
1242	1983	121	19	0	121.79167	85.94648	249.40664	2158357.	1578551.	7505.	16015.	17686.	64.9	242.80	89.34	1.81	.10
1243	1983	121	19	1	121.79236	85.93777	249.51768	2157878.	1577338.	7027.	14802.	16385.	64.6	242.64	89.35	1.65	.11
1244	1983	121	19	2	121.79306	85.94902	249.36318	2158577.	1578935.	7726.	16399.	18128.	64.8	242.83	89.35	1.84	.11
1245	1983	121	19	3	121.79375	85.93331	249.59543	2157478.	1576659.	6628.	14122.	15600.	64.9	242.59	89.33	1.60	.09
1246	1983	121	19	4	121.79444	85.94513	249.43369	2158210.	1578335.	7361.	15798.	17429.	65.0	242.79	89.33	1.80	.09
1247	1983	121	19	5	121.79514	85.94876	249.34979	2158685.	1578946.	7837.	16408.	18183.	64.5	242.80	89.37	1.81	.13
1248	1983	121	19	6	121.79583	85.95428	249.26505	2159091.	1579754.	8243.	17216.	19087.	64.4	242.88	89.38	1.89	.14
1249	1983	121	19	7	121.79653	85.96686	249.05533	2160128.	1581645.	9281.	19107.	21242.	64.1	243.04	89.42	2.05	.18
1250	1983	121	19	8	121.79722	85.94767	249.39032	2158430.	1578719.	7584.	16180.	17870.	64.9	242.82	89.34	1.83	.10
1251	1983	121	19	9	121.79792	85.95394	249.28673	2158945.	1579659.	8099.	17119.	18939.	64.7	242.90	89.36	1.91	.12
1252	1983	121	19	10	121.79861	85.94250	249.45286	2158172.	1578009.	7327.	15470.	17117.	64.7	242.72	89.35	1.73	.11
1253	1983	121	19	11	121.79931	85.95571	249.20252	2159493.	1580076.	8649.	17536.	19553.	63.7	242.84	89.43	1.85	.19
1254	1983	121	19	12	121.80000	85.95188	249.23863	2159379.	1579579.	8535.	17038.	19056.	63.4	242.75	89.45	1.76	.21
1255	1983	121	19	13	121.80069	85.96891	249.04377	2160131.	1581891.	9288.	19350.	21463.	64.4	243.10	89.40	2.11	.16
1256	1983	121	19	14	121.80139	85.94522	249.45781	2158029.	1578278.	7188.	15736.	17300.	65.5	242.83	89.30	1.84	.06
1257	1983	121	19	15	121.80208	85.92371	249.67583	2157254.	1575438.	6412.	12896.	14403.	63.6	242.35	89.39	1.36	.15
1258	1983	121	19	16	121.80278	85.90606	249.94662	2155918.	1572857.	5078.	10315.	11497.	63.8	242.10	89.35	1.11	.11

1259	1983	121	19	17	121.80347	85.91960	249.73152	2156999.	1574857.	6159.	12314.	13769.	63.4	242.28	89.39	1.29	.15
1260	1983	121	19	18	121.80417	85.90323	249.95180	2155988.	1572547.	5149.	10004.	11251.	62.8	242.00	89.39	1.01	.15
1261	1983	121	19	19	121.80486	85.88869	250.20175	2154669.	1570350.	3830.	7807.	8696.	63.9	241.84	89.32	.85	.08
1262	1983	121	19	20	121.80556	85.90398	249.93359	2156895.	1572674.	5257.	10130.	11413.	62.6	242.00	89.40	1.01	.16
1263	1983	121	19	21	121.80625	85.92161	249.66285	2157431.	1575254.	6594.	12710.	14319.	62.6	242.25	89.44	1.26	.20
1264	1983	121	19	22	121.80694	85.89433	250.07852	2155379.	1571273.	4543.	8728.	9840.	62.5	241.86	89.38	.87	.14
1265	1983	121	19	23	121.80764	85.89209	250.13256	2155059.	1570892.	4223.	8347.	9355.	63.2	241.86	89.35	.87	.11
1266	1983	121	19	24	121.80833	85.89857	250.01402	2155700.	1571891.	4866.	9345.	10536.	62.5	241.92	89.39	.93	.15
1267	1983	121	19	25	121.80903	85.89599	250.03207	2155663.	1571572.	4829.	9026.	10237.	61.9	241.85	89.41	.86	.17
1268	1983	121	19	26	121.80972	85.87498	250.37383	2153890.	1568452.	3056.	5905.	6649.	62.6	241.59	89.33	.60	.09
1269	1983	121	19	27	121.81042	85.89475	250.08113	2155344.	1571309.	4511.	8762.	9855.	62.8	241.88	89.37	.88	.13
1270	1983	121	19	28	121.81111	85.90598	249.92317	2156096.	1572912.	5264.	10365.	11625.	63.1	242.06	89.38	1.06	.14
1271	1983	121	19	29	121.81181	85.89275	250.09135	2155343.	1571073.	4511.	8526.	9646.	62.1	241.82	89.39	.82	.16
1272	1983	121	19	30	121.81250	85.92269	249.62314	2157684.	1575477.	6853.	12929.	14633.	62.1	242.23	89.47	1.23	.24
1273	1983	121	19	31	121.81319	85.92094	249.70508	2157144.	1575069.	6314.	12521.	14023.	63.2	242.29	89.40	1.29	.17
1274	1983	121	19	32	121.81389	85.94099	249.49054	2157953.	1577747.	7124.	15198.	16785.	64.9	242.72	89.33	1.72	.10
1275	1983	121	19	33	121.81458	85.92893	249.69660	2156899.	1575925.	6070.	13376.	14689.	65.6	242.58	89.28	1.58	.05
1276	1983	121	19	34	121.81528	85.94454	249.44183	2158174.	1578251.	7346.	15702.	17335.	64.9	242.78	89.33	1.78	.10
1277	1983	121	19	35	121.81597	85.92288	249.84464	2156034.	1574889.	5207.	12339.	13393.	67.1	242.58	89.20	1.58	-.03
1278	1983	121	19	36	121.81667	85.96302	249.09193	2160013.	1581144.	9187.	16594.	20740.	63.7	242.95	89.44	1.95	.21
1279	1983	121	19	37	121.81736	85.93702	249.59507	2157336.	1577047.	6511.	14496.	15891.	65.8	242.73	89.27	1.73	.04
1280	1983	121	19	38	121.81806	85.93322	249.57152	2157658.	1576716.	6833.	14164.	15726.	64.2	242.55	89.36	1.55	.13
1281	1983	121	19	39	121.81875	85.91374	249.98344	2155352.	1573558.	4528.	11007.	11902.	67.6	242.45	89.18	1.45	-.05
1282	1983	121	19	40	121.81944	85.94691	249.40925	2158321.	1578588.	7497.	16036.	17702.	64.9	242.82	89.33	1.82	.10
1283	1983	121	19	41	121.82014	85.95148	249.35465	2158543.	1579215.	7720.	16663.	18364.	65.1	242.91	89.32	1.91	.09
1284	1983	121	19	42	121.82083	85.95522	249.29455	2158837.	1579770.	8015.	17217.	18991.	65.0	242.96	89.33	1.96	.10
1285	1983	121	19	43	121.82153	85.94547	249.41218	2158356.	1578430.	7534.	15876.	17574.	64.6	242.77	89.35	1.77	.12
1286	1983	121	19	44	121.82222	85.95420	249.30017	2158836.	1579648.	8016.	17094.	18880.	64.9	242.93	89.34	1.93	.11
1287	1983	121	19	45	121.82292	85.94302	249.47955	2157955.	1577989.	7135.	15435.	17004.	65.2	242.78	89.31	1.78	.08
1288	1983	121	19	46	121.82361	85.93955	249.55215	2157555.	1577428.	6736.	14874.	16328.	65.6	242.76	89.28	1.76	.05
1289	1983	121	19	47	121.82431	85.93364	249.57413	2157622.	1576752.	6804.	14197.	15743.	64.4	242.57	89.35	1.57	.12
1290	1983	121	19	48	121.82500	85.94809	249.39293	2158394.	1578756.	7577.	16201.	17885.	64.9	242.84	89.33	1.84	.10
1291	1983	121	19	49	121.82569	85.96524	249.06947	2160089.	1581437.	9272.	18881.	21035.	63.8	243.00	89.43	2.00	.20
1292	1983	121	19	50	121.82639	85.94826	249.38215	2158467.	1578804.	7651.	16247.	17959.	64.8	242.83	89.34	1.83	.11
1293	1983	121	19	51	121.82708	85.98055	248.89721	2160734.	1583508.	9919.	20952.	23181.	64.7	243.32	89.38	2.32	.15
1294	1983	121	19	52	121.82778	85.95726	249.28331	2158840.	1580013.	8025.	17456.	19212.	65.3	243.02	89.31	2.02	.08
1295	1983	121	19	53	121.82847	85.94708	249.39848	2158393.	1578635.	7579.	16078.	17775.	64.8	242.81	89.34	1.81	.11
1296	1983	121	19	54	121.82917	85.95266	249.27891	2159053.	1579547.	8239.	16990.	18882.	64.1	242.84	89.39	1.84	.16
1297	1983	121	19	55	121.82986	85.95581	249.28632	2158874.	1579855.	8062.	17296.	19083.	65.0	242.97	89.33	1.97	.10
1298	1983	121	19	56	121.83056	85.98113	248.82807	2161213.	1583763.	10401.	21204.	23618.	63.9	243.24	89.45	2.24	.22
1299	1983	121	19	57	121.83125	85.95571	249.20252	2159493.	1580076.	8682.	17517.	19551.	63.6	242.84	89.43	1.84	.20
1300	1983	121	19	58	121.83194	85.95479	249.29194	2158873.	1579733.	8063.	17173.	18972.	64.8	242.94	89.34	1.93	.11
1301	1983	121	19	59	121.83264	85.95775	249.19115	2159495.	1580321.	8686.	17761.	19771.	63.9	242.90	89.41	1.89	.18
1302	1983	121	20	0	121.83333	85.94512	249.37468	2158645.	1578497.	7836.	15937.	17759.	63.8	242.70	89.40	1.69	.17
1303	1983	121	20	1	121.83403	85.95766	249.16679	2159678.	1580379.	8869.	17818.	19903.	63.5	242.86	89.44	1.85	.21

1304	1983	121	20	2	121.83472	85.94148	249.39951	2158605.	1578050.	7797.	15489.	17341.	63.3	242.60	89.43	1.59	.20
1305	1983	121	20	3	121.83542	85.94031	249.53338	2157664.	1577559.	6857.	14998.	16491.	65.4	242.76	89.29	1.75	.06
1306	1983	121	20	4	121.83611	85.93036	249.63554	2157295.	1576242.	6489.	13680.	15141.	64.6	242.54	89.33	1.53	.10
1307	1983	121	20	5	121.83681	85.92691	249.70730	2156897.	1575686.	6092.	13123.	14468.	65.1	242.52	89.30	1.51	.07
1308	1983	121	20	6	121.83750	85.91525	249.88924	2155995.	1573973.	5190.	11410.	12535.	65.5	242.36	89.27	1.35	.04
1309	1983	121	20	7	121.83819	85.89209	250.13256	2155059.	1570892.	4255.	8329.	9353.	62.9	241.86	89.35	.85	.12
1310	1983	121	20	8	121.83889	85.91274	249.81593	2156636.	1573910.	5833.	11346.	12758.	62.8	242.15	89.40	1.14	.17
1311	1983	121	20	9	121.83958	85.89965	249.97515	2155950.	1572109.	5147.	9545.	10844.	61.7	241.90	89.42	.89	.19
1312	1983	121	20	10	121.84028	85.89250	250.24854	2154175.	1570622.	3373.	8057.	8735.	67.3	242.06	89.20	1.05	-.03
1313	1983	121	20	11	121.84097	85.87662	250.44030	2153328.	1568445.	2527.	5880.	6400.	66.7	241.76	89.22	.75	-.01
1314	1983	121	20	12	121.84167	85.89359	250.15332	2154847.	1570992.	4047.	8427.	9348.	64.3	241.95	89.30	.94	.07
1315	1983	121	20	13	121.84236	85.88298	250.30106	2154138.	1569485.	3338.	6919.	7682.	64.2	241.78	89.29	.77	.06
1316	1983	121	20	14	121.84306	85.89375	250.08624	2155343.	1571191.	4544.	8625.	9749.	62.2	241.85	89.38	.84	.15
1317	1983	121	20	15	121.84375	85.90207	250.02451	2155489.	1572228.	4691.	9661.	10740.	64.1	242.07	89.32	1.06	.09
1318	1983	121	20	16	121.84444	85.88414	250.28586	2154208.	1569647.	3411.	7080.	7859.	64.3	241.80	89.29	.79	.06
1319	1983	121	20	17	121.84514	85.87564	250.38921	2153749.	1568479.	2952.	5912.	6608.	63.5	241.64	89.30	.63	.07
1320	1983	121	20	18	121.84583	85.89649	250.11484	2155025.	1571400.	4229.	8833.	9793.	64.4	242.00	89.30	.99	.07
1321	1983	121	20	19	121.84653	85.88778	250.22991	2154492.	1570179.	3696.	7611.	8461.	64.1	241.85	89.30	.84	.07
1322	1983	121	20	20	121.84722	85.91726	249.76323	2156854.	1574526.	6059.	11957.	13405.	63.1	242.24	89.39	1.23	.16
1323	1983	121	20	21	121.84792	85.89741	250.08646	2155203.	1571573.	4409.	9004.	10025.	63.9	241.99	89.32	.98	.09
1324	1983	121	20	22	121.84861	85.89068	250.19168	2154669.	1570585.	3876.	8016.	8904.	64.2	241.90	89.30	.89	.07
1325	1983	121	20	23	121.84931	85.90157	249.99854	2155702.	1572246.	4910.	9676.	10850.	63.1	242.01	89.36	1.00	.13
1326	1983	121	20	24	121.85000	85.92666	249.69410	2157005.	1575695.	6213.	13125.	14521.	64.7	242.49	89.32	1.48	.09
1327	1983	121	20	25	121.85069	85.94885	249.37397	2158504.	1578888.	7713.	16317.	18048.	64.7	242.84	89.34	1.83	.12
1328	1983	121	20	26	121.85139	85.96568	249.13200	2159615.	1581309.	8824.	18738.	20712.	64.8	243.11	89.35	2.10	.13
1329	1983	121	20	27	121.85208	85.97542	248.98695	2160286.	1582725.	9496.	20153.	22279.	64.8	243.26	89.36	2.25	.14
1330	1983	121	20	28	121.85278	85.95879	249.24508	2159060.	1580278.	8271.	17706.	19543.	65.0	243.02	89.33	2.01	.11
1331	1983	121	20	29	121.85347	85.93964	249.51744	2157808.	1577532.	7019.	14960.	16525.	64.9	242.71	89.32	1.69	.10
1332	1983	121	20	30	121.85417	85.91592	249.78956	2156710.	1574314.	5923.	11741.	13150.	63.2	242.23	89.38	1.21	.16
1333	1983	121	20	31	121.85486	85.89060	250.11185	2155271.	1570792.	4484.	8219.	9363.	61.4	241.77	89.40	.75	.18
1334	1983	121	20	32	121.85556	85.87432	250.35846	2154030.	1568424.	3244.	5850.	6690.	61.0	241.54	89.36	.52	.14
1335	1983	121	20	33	121.85625	85.85536	250.60491	2152872.	1565777.	2087.	3204.	3823.	56.9	241.21	89.36	.19	.14
1336	1983	121	20	34	121.85694	85.83679	250.85681	2151623.	1563154.	839.	579.	1019.	34.6	240.91	89.34	-.11	.12
1337	1983	121	20	35	121.85764	85.83719	250.91582	2151174.	1563045.	390.	470.	611.	50.3	241.02	89.26	.00	.04
1338	1983	121	20	36	121.85833	85.83038	250.94795	2151176.	1562245.	393.	-330.	513.	320.0	240.81	89.33	-.21	.11
1339	1983	121	20	37	121.85903	85.82488	251.06374	2150490.	1561362.	-293.	-1214.	1249.	256.4	240.79	89.27	-.23	.05
1340	1983	121	20	38	121.85972	85.84916	250.65351	2152732.	1564997.	1951.	2421.	3109.	51.1	241.05	89.40	.03	.18
1341	1983	121	20	39	121.86042	85.83200	250.90416	2151452.	1562531.	670.	-45.	672.	356.1	240.80	89.36	-.22	.14
1342	1983	121	20	40	121.86111	85.84932	250.69849	2152385.	1564894.	1604.	2317.	2819.	55.3	241.13	89.34	.11	.12
1343	1983	121	20	41	121.86181	85.86355	250.54642	2153012.	1566792.	2233.	4215.	4770.	62.1	241.43	89.30	.41	.08
1344	1983	121	20	42	121.86250	85.88480	250.30133	2154068.	1569674.	3289.	7097.	7822.	65.1	241.85	89.26	.83	.04
1345	1983	121	20	43	121.86319	85.87531	250.40950	2153609.	1568390.	2831.	5812.	6465.	64.0	241.66	89.28	.64	.06
1346	1983	121	20	44	121.86389	85.90298	250.05313	2155241.	1572246.	4463.	9667.	10648.	65.2	242.15	89.27	1.13	.05
1347	1983	121	20	45	121.86458	85.87653	250.47336	2153082.	1568347.	2305.	5768.	6212.	68.2	241.81	89.18	.79	-.04
1348	1983	121	20	46	121.86528	85.89649	250.11484	2155025.	1571400.	4249.	8821.	9791.	64.3	242.00	89.30	.98	.08

1349	1983	121	20	47	121.86597	85.89658	250.08123	2155274.	1571500.	4498.	8920.	9990.	63.2	241.95	89.34	.93	.12
1350	1983	121	20	48	121.86667	85.89616	250.13548	2154884.	1571310.	4109.	8730.	9648.	64.8	242.02	89.28	1.00	.06
1351	1983	121	20	49	121.86736	85.89018	250.22249	2154457.	1570450.	3683.	7869.	8689.	64.9	241.93	89.27	.91	.05
1352	1983	121	20	50	121.86806	85.90490	250.01945	2155419.	1572537.	4646.	9956.	10987.	65.0	242.17	89.28	1.15	.06
1353	1983	121	20	51	121.86875	85.88306	250.32410	2153962.	1569431.	3189.	6850.	7556.	65.0	241.82	89.26	.80	.04
1354	1983	121	20	52	121.86944	85.90805	249.82139	2156775.	1573406.	6004.	10824.	12378.	61.0	241.98	89.47	.96	.25
1355	1983	121	20	53	121.87014	85.90631	250.01693	2155384.	1572692.	4613.	10110.	11113.	65.5	242.22	89.26	1.20	.04
1356	1983	121	20	54	121.87083	85.89607	250.16906	2154636.	1571210.	3865.	8627.	9454.	65.9	242.07	89.24	1.05	.02
1357	1983	121	20	55	121.87153	85.91325	249.84210	2156422.	1573891.	5653.	11308.	12642.	63.4	242.21	89.36	1.19	.14
1358	1983	121	20	56	121.87222	85.93718	249.52576	2157841.	1577254.	7073.	14671.	16287.	64.3	242.63	89.35	1.61	.13
1359	1983	121	20	57	121.87292	85.95572	249.26201	2159056.	1579913.	8288.	17329.	19209.	64.4	242.93	89.36	1.91	.14
1360	1983	121	20	58	121.87361	85.98235	248.87174	2160847.	1583767.	10080.	21182.	23458.	64.6	243.35	89.38	2.33	.16
1361	1983	121	20	59	121.87431	85.96346	249.15436	2159539.	1581016.	8772.	18432.	20413.	64.5	243.06	89.36	2.03	.14
1362	1983	121	21	0	121.87500	85.97547	248.89084	2160984.	1583000.	10218.	20415.	22829.	63.4	243.12	89.47	2.09	.25
1363	1983	121	21	1	121.87569	85.97626	248.93175	2160654.	1582967.	9890.	20381.	22654.	64.1	243.21	89.41	2.18	.19
1364	1983	121	21	2	121.87639	85.98817	248.73666	2161593.	1584750.	10830.	22164.	24669.	64.0	243.37	89.44	2.34	.22
1365	1983	121	21	3	121.87708	86.00166	248.71998	2161170.	1586194.	10408.	23608.	25801.	66.2	243.85	89.24	2.82	.02
1366	1983	121	21	4	121.87778	86.02442	248.24877	2163630.	1589884.	12869.	27297.	30179.	64.8	244.02	89.40	2.99	.18
1367	1983	121	21	5	121.87847	86.01566	248.42114	2162754.	1588488.	11994.	25901.	28544.	65.2	243.94	89.35	2.91	.13
1368	1983	121	21	6	121.87917	86.03341	248.12604	2164136.	1591162.	13378.	28575.	31551.	64.9	244.18	89.39	3.15	.17
1369	1983	121	21	7	121.87986	86.00061	248.66451	2161613.	1586242.	10856.	23654.	26027.	65.3	243.73	89.32	2.70	.10
1370	1983	121	21	8	121.88056	85.98648	248.84812	2160653.	1584261.	10998.	21674.	23910.	65.0	243.47	89.34	2.44	.12
1371	1983	121	21	9	121.88125	85.96932	248.98625	2160534.	1582094.	9780.	19506.	21821.	63.4	243.03	89.46	2.00	.24
1372	1983	121	21	10	121.88194	85.96894	249.22387	2158815.	1581392.	8062.	18804.	20459.	66.8	243.37	89.19	2.34	-.03
1373	1983	121	21	11	121.88264	85.96695	249.07985	2159945.	1581586.	9194.	18998.	21106.	64.2	243.08	89.39	2.05	.17
1374	1983	121	21	12	121.88333	85.95734	249.24812	2159094.	1580119.	8344.	17531.	19415.	64.5	242.97	89.35	1.94	.13
1375	1983	121	21	13	121.88403	85.94318	249.46882	2158028.	1578036.	7279.	15447.	17076.	64.8	242.77	89.32	1.74	.11
1376	1983	121	21	14	121.88472	85.92723	249.56965	2157904.	1576097.	7157.	13507.	15286.	62.1	242.32	89.46	1.29	.25
1377	1983	121	21	15	121.88542	85.89110	250.13764	2155059.	1570775.	4313.	8185.	9252.	62.2	241.83	89.36	.80	.15
1378	1983	121	21	16	121.88611	85.89766	250.09941	2155097.	1571564.	4352.	8974.	9974.	64.1	242.02	89.30	.99	.09
1379	1983	121	21	17	121.88681	85.89350	250.13009	2155024.	1571047.	4281.	8457.	9478.	63.2	241.91	89.33	.88	.12
1380	1983	121	21	18	121.88750	85.85164	250.85650	2151100.	1564720.	358.	2129.	2159.	60.5	241.48	89.10	.45	-.11
1381	1983	121	21	19	121.88819	85.84134	250.80076	2151900.	1563785.	1159.	1194.	1664.	45.9	240.99	89.34	-.04	.13
1382	1983	121	21	20	121.88889	65.85479	250.66744	2152419.	1565550.	1680.	2959.	3403.	60.4	241.29	89.29	.25	.08
1383	1983	121	21	21	121.88958	85.86805	250.29676	2154730.	1567933.	3992.	5342.	6669.	53.2	241.20	89.54	.16	.33
1384	1983	121	21	22	121.89028	85.85872	250.53783	2153256.	1566308.	2519.	3717.	4490.	55.9	241.23	89.39	.19	.18
1385	1983	121	21	23	121.89097	85.85258	250.66436	2152524.	1565328.	1788.	2736.	3268.	56.8	241.20	89.33	.16	.12
1386	1983	121	21	24	121.89167	85.85585	250.63011	2152663.	1565762.	1929.	3169.	3710.	58.7	241.27	89.32	.23	.11
1387	1983	121	21	25	121.89236	85.84711	250.64055	2152906.	1564817.	2173.	2225.	3110.	45.7	240.95	89.45	-.09	.24
1388	1983	121	21	26	121.89306	85.84353	250.74924	2152211.	1564152.	1480.	1560.	2150.	46.5	240.99	89.37	-.05	.16
1389	1983	121	21	27	121.89375	85.84174	250.85796	2151450.	1563676.	720.	1082.	1300.	56.4	241.10	89.26	.06	.05
1390	1983	121	21	28	121.89444	85.84777	250.65567	2152767.	1564846.	2038.	2252.	3038.	47.9	241.00	89.42	-.04	.21
1391	1983	121	21	29	121.89514	85.80459	251.37044	2148860.	1558426.	-1867.	-4168.	4567.	245.9	240.52	89.20	-.52	-.01
1392	1983	121	21	30	121.89583	85.82536	251.08844	2150283.	1561347.	-443.	-1247.	1323.	250.4	240.85	89.23	-.19	.02
1393	1983	121	21	31	121.89653	85.81159	251.13889	2150392.	1559767.	-333.	-2827.	2847.	263.3	240.40	89.39	-.64	.18

1394	1983	121	21	32	121.89722	65.79661	251.37123	2149137.	1557583.	-1586.	-5012.	5257.	252.4	240.21	89.33	-.83	.12
1395	1983	121	21	33	121.89792	65.76937	251.75745	2147100.	1553711.	-3622.	-8884.	9594.	247.8	233.81	89.26	-7.23	.05
1396	1983	121	21	34	121.89861	65.77697	251.62052	2147899.	1554866.	-2821.	-7730.	8228.	249.9	233.87	89.32	-7.17	.11
1397	1983	121	21	35	121.89931	65.79239	251.38595	2149173.	1557099.	-1546.	-5496.	5709.	254.3	240.07	89.38	-.97	.17
1398	1983	121	21	36	121.90000	65.77767	251.65642	2147596.	1554848.	-3122.	-7748.	8354.	248.1	233.96	89.26	-7.08	.05
1399	1983	121	21	37	121.90069	65.79813	251.30709	2149578.	1557910.	-1138.	-4686.	4822.	256.3	240.16	89.39	-.88	.18
1400	1983	121	21	38	121.90139	65.80301	251.20079	2150223.	1558702.	-492.	-3895.	3926.	262.8	240.17	89.45	-.87	.24
1401	1983	121	21	39	121.90208	65.80091	251.43112	2148523.	1557880.	-2191.	-4717.	5201.	245.1	240.48	89.18	-.56	-.03
1402	1983	121	21	40	121.90278	65.83411	250.93941	2151106.	1562659.	393.	62.	398.	9.0	240.94	89.28	-.11	.07
1403	1983	121	21	41	121.90347	65.86790	250.36265	2154238.	1567740.	3527.	5143.	6236.	55.6	241.30	89.46	.25	.25
1404	1983	121	21	42	121.90417	65.85323	250.56936	2153220.	1565649.	2510.	3052.	3951.	50.6	241.07	89.44	.02	.23
1405	1983	121	21	43	121.90486	65.84003	250.87969	2151346.	1563439.	638.	841.	1055.	52.8	241.07	89.26	.02	.05
1406	1983	121	21	44	121.90556	65.87119	250.43923	2153538.	1567879.	2831.	5281.	5992.	61.8	241.55	89.31	.50	.10
1407	1983	121	21	45	121.90625	65.85397	250.60710	2152907.	1565626.	2201.	3027.	3743.	54.0	241.16	89.38	.11	.17
1408	1983	121	21	46	121.90694	65.81850	251.15151	2150046.	1560461.	-658.	-2138.	2237.	252.9	240.69	89.26	-.36	.05
1409	1983	121	21	47	121.90764	65.78935	251.81846	2145931.	1555665.	-4772.	-6934.	8418.	235.5	240.70	88.85	-.35	-.35
1410	1983	121	21	48	121.90833	65.77517	252.33793	2142375.	1552659.	-8327.	-9741.	12815.	229.5	241.07	88.37	.02	-.83
1411	1983	121	21	49	121.90903	65.76085	252.61907	2140655.	1550646.	-10046.	-11954.	15615.	230.0	241.02	88.21	-.03	-.99
1412	1983	121	21	50	121.90972	65.74705	252.73487	2140202.	1546897.	-10498.	-13703.	17262.	232.5	240.69	88.27	-.36	-.93
1413	1983	121	21	51	121.91042	65.75012	252.68547	2140489.	1549345.	-10209.	-13256.	16731.	232.4	240.72	88.29	-.33	-.91
1414	1983	121	21	52	121.91111	65.75291	252.67481	2140481.	1549666.	-10216.	-12934.	16482.	231.7	240.81	88.26	-.24	-.94
1415	1983	121	21	53	121.91181	65.74078	252.86274	2139400.	1547919.	-11295.	-14682.	18524.	232.4	240.68	88.19	-.37	-1.01
1416	1983	121	21	54	121.91250	65.77500	252.34715	2142309.	1552818.	-8385.	-9784.	12885.	229.4	241.08	88.36	.03	-.84
1417	1983	121	21	55	121.91319	65.76900	252.46035	2141626.	1551901.	-9067.	-10700.	14025.	229.7	241.05	88.30	-.00	-.90
1418	1983	121	21	56	121.91389	65.76742	252.52169	2141199.	1551583.	-9493.	-11019.	14544.	229.3	241.10	88.24	.05	-.96
1419	1983	121	21	57	121.91458	65.74204	252.84138	2139527.	1548105.	-11163.	-14497.	18297.	232.4	240.69	88.20	-.36	-1.00
1420	1983	121	21	58	121.91528	65.76896	252.43927	2141792.	1551949.	-8696.	-10653.	13879.	230.1	241.01	88.33	-.04	-.87
1421	1983	121	21	59	121.91597	65.76026	252.60446	2140789.	1550619.	-9898.	-11984.	15543.	230.4	240.97	88.24	-.08	-.96
1422	1983	121	22	0	121.91667	65.74002	252.85725	2139468.	1547853.	-11218.	-14750.	18532.	232.7	240.64	88.21	-.41	-.99
1423	1983	121	22	1	121.91736	65.74734	252.69611	2140497.	1549024.	-10188.	-13580.	16976.	233.1	240.63	88.32	-.43	-.88
1424	1983	121	22	2	121.91806	65.76683	252.50704	2141333.	1551556.	-9350.	-11047.	14473.	229.8	241.05	88.27	-.01	-.93
1425	1983	121	22	3	121.91875	65.76921	252.47226	2141526.	1551894.	-9156.	-10710.	14090.	229.5	241.08	88.28	.02	-.92
1426	1983	121	22	4	121.91944	65.77312	252.44840	2141581.	1552368.	-9099.	-10236.	13696.	228.4	241.19	88.25	.13	-.95
1427	1983	121	22	5	121.92014	65.78255	252.33848	2142122.	1553639.	-8558.	-8966.	12394.	226.3	241.36	88.25	.30	-.95
1428	1983	121	22	6	121.92083	65.78662	252.18889	2143148.	1554442.	-7530.	-8163.	11105.	227.3	241.25	88.39	.19	-.81
1429	1983	121	22	7	121.92153	65.77024	252.41722	2141922.	1552139.	-8755.	-10466.	13645.	230.1	241.02	88.34	-.04	-.86
1430	1983	121	22	8	121.92222	65.76259	252.54897	2141146.	1551003.	-9529.	-11602.	15014.	230.6	240.96	88.28	-.10	-.92
1431	1983	121	22	9	121.92292	65.78555	252.22336	2142917.	1554243.	-7757.	-8363.	11407.	227.2	241.27	88.36	.21	-.84
1432	1983	121	22	10	121.92361	65.76403	252.51797	2141341.	1551232.	-9332.	-11374.	14712.	230.6	240.96	88.30	-.10	-.90
1433	1983	121	22	11	121.92431	65.78042	252.31269	2142395.	1553477.	-8277.	-9129.	12323.	227.8	241.23	88.32	.17	-.88
1434	1983	121	22	12	121.92500	65.77675	252.37010	2142071.	1552946.	-8599.	-9661.	12934.	228.3	241.19	88.30	.13	-.90
1435	1983	121	22	13	121.92569	65.74826	252.78462	2139770.	1548904.	-10898.	-13703.	17508.	231.5	240.83	88.18	-.23	-1.02
1436	1983	121	22	14	121.92639	65.76030	252.62540	2140623.	1550572.	-10044.	-12036.	15676.	230.2	241.01	88.21	-.05	-.99
1437	1983	121	22	15	121.92708	65.77530	252.40146	2141875.	1552714.	-8791.	-9893.	13235.	228.4	241.19	88.28	.13	-.92
1438	1983	121	22	16	121.92778	65.78769	252.24917	2142643.	1554405.	-8021.	-8203.	11473.	225.6	241.40	88.29	.34	-.91

1439	1983	121	22	17	121.92847	85.76565	252.47776	2141602.	1551503.	-9061.	-11105.	14333.	230.8	240.95	88.33	-.11	-.87
1440	1983	121	22	18	121.92917	85.76119	252.60087	2140786.	1550727.	-9876.	-11882.	15450.	230.3	241.00	88.23	-.06	-.97
1441	1983	121	22	19	121.92986	85.77432	252.38400	2142044.	1552654.	-8617.	-9955.	13166.	229.1	241.12	88.32	.06	-.88
1442	1983	121	22	20	121.93056	85.78452	252.27910	2142518.	1553995.	-8142.	-8614.	11853.	226.6	241.33	88.30	.27	-.90
1443	1983	121	22	21	121.93125	85.77577	252.35263	2142240.	1552885.	-8418.	-9724.	12861.	229.1	241.12	88.34	.05	-.85
1444	1983	121	22	22	121.93194	85.77794	252.30547	2142535.	1553233.	-8122.	-9377.	12405.	229.1	241.12	88.37	.05	-.82
1445	1983	121	22	23	121.93264	85.78504	252.25124	2142717.	1554119.	-7938.	-8491.	11624.	226.9	241.30	88.33	.23	-.86
1446	1983	121	22	24	121.93333	85.76692	252.45579	2141731.	1551692.	-8923.	-10918.	14100.	230.7	240.96	88.34	-.11	-.85
1447	1983	121	22	25	121.93403	85.73901	252.91087	2139078.	1547614.	-11575.	-14996.	18944.	232.3	240.70	88.15	-.37	-1.04
1448	1983	121	22	26	121.93472	85.76488	252.56549	2140941.	1551205.	-9710.	-11406.	14980.	229.6	241.08	88.22	.01	-.97
1449	1983	121	22	27	121.93542	85.79184	252.23676	2142599.	1554876.	-8051.	-7736.	11165.	223.9	241.54	88.24	.47	-.95
1450	1983	121	22	28	121.93611	85.77713	252.37285	2142036.	1552980.	-8612.	-9632.	12921.	228.2	241.21	88.29	.14	-.90
1451	1983	121	22	29	121.93681	85.76335	252.55447	2141078.	1551070.	-9569.	-11541.	14993.	230.3	241.00	88.26	-.07	-.93
1452	1983	121	22	30	121.93750	85.78383	252.31620	2142252.	1553830.	-8394.	-8782.	12148.	226.3	241.37	88.26	.30	-.93
1453	1983	121	22	31	121.93819	85.76734	252.47959	2141531.	1551678.	-9114.	-10934.	14234.	230.2	241.02	88.30	-.05	-.89
1454	1983	121	22	32	121.93889	85.75764	252.60615	2140863.	1550337.	-9780.	-12276.	15696.	231.5	240.87	88.28	-.20	-.91
1455	1983	121	22	33	121.93958	85.76641	252.48325	2141534.	1551570.	-9108.	-11043.	14315.	230.5	240.99	88.31	-.08	-.88
1456	1983	121	22	34	121.94028	85.75637	252.62789	2140734.	1550149.	-9906.	-12464.	15921.	231.5	240.86	88.27	-.21	-.92
1457	1983	121	22	35	121.94097	85.77875	252.33218	2142299.	1553252.	-8340.	-9361.	12538.	228.3	241.20	88.32	.13	-.87
1458	1983	121	22	36	121.94167	85.76348	252.52435	2141310.	1551158.	-9328.	-11456.	14773.	230.8	240.95	88.30	-.12	-.89
1459	1983	121	22	37	121.94236	85.75700	252.66334	2140435.	1550128.	-10201.	-12486.	16123.	230.7	240.95	88.21	-.12	-.98
1460	1983	121	22	38	121.94306	85.76938	252.46309	2141592.	1551935.	-9044.	-10679.	13994.	229.7	241.07	88.29	-.00	-.90
1461	1983	121	22	39	121.94375	85.77287	252.41532	2141848.	1552423.	-8786.	-10192.	13456.	229.2	241.12	88.30	.05	-.89
1462	1983	121	22	40	121.94444	85.77377	252.39046	2142012.	1552579.	-8621.	-10036.	13230.	229.3	241.11	88.32	.04	-.87
1463	1983	121	22	41	121.94514	85.75899	252.62623	2140660.	1550431.	-9971.	-12185.	15744.	230.7	240.96	88.23	-.12	-.96
1464	1983	121	22	42	121.94583	85.76352	252.54535	2141144.	1551111.	-9486.	-11505.	14911.	230.5	240.99	88.27	-.09	-.92
1465	1983	121	22	43	121.94653	85.76998	252.47777	2141457.	1551962.	-9172.	-10654.	14058.	229.3	241.12	88.26	.04	-.93
1466	1983	121	22	44	121.94722	85.75895	252.60531	2140826.	1550478.	-9801.	-12138.	15601.	231.1	240.92	88.26	-.16	-.93
1467	1983	121	22	45	121.94792	85.77117	252.41352	2141919.	1552247.	-8707.	-10369.	13540.	230.0	241.05	88.33	-.03	-.86
1468	1983	121	22	46	121.94861	85.76408	252.53897	2141175.	1551165.	-9449.	-11432.	14832.	230.4	241.00	88.27	-.08	-.92
1469	1983	121	22	47	121.94931	85.75734	252.64520	2140566.	1550209.	-10057.	-12408.	15972.	231.0	240.93	88.23	-.15	-.96
1470	1983	121	22	48	121.95000	85.76077	252.57717	2140986.	1550740.	-9636.	-11877.	15294.	230.9	240.94	88.27	-.14	-.92
1471	1983	121	22	49	121.95069	85.77142	252.44657	2141653.	1552192.	-8968.	-10426.	13752.	229.3	241.12	88.28	.04	-.91
1472	1983	121	22	50	121.95139	85.75806	252.62981	2140663.	1550323.	-9956.	-12295.	15820.	231.0	240.93	88.24	-.15	-.95
1473	1983	121	22	51	121.95208	85.76136	252.59177	2140852.	1550767.	-9766.	-11851.	15357.	230.5	240.99	88.24	-.09	-.95
1474	1983	121	22	52	121.95278	85.75988	252.60171	2140823.	1550565.	-9793.	-12033.	15515.	230.9	240.95	88.25	-.13	-.94
1475	1983	121	22	53	121.95347	85.76390	252.54810	2141109.	1551144.	-9506.	-11475.	14901.	230.4	241.01	88.26	-.07	-.93
1476	1983	121	22	54	121.95417	85.76560	252.54998	2141038.	1551319.	-9576.	-11300.	14812.	229.7	241.08	88.23	-.00	-.96
1477	1983	121	22	55	121.95486	85.76463	252.53259	2141207.	1551259.	-9406.	-11360.	14749.	230.4	241.01	88.27	-.07	-.92
1478	1983	121	22	56	121.95556	85.76301	252.57270	2140946.	1550989.	-9665.	-11631.	15122.	230.3	241.02	88.24	-.06	-.94
1479	1983	121	22	57	121.95625	85.77483	252.35637	2142243.	1552777.	-8367.	-9843.	12919.	229.6	241.09	88.35	.01	-.83
1480	1983	121	22	58	121.95694	85.76009	252.61356	2140723.	1550579.	-9885.	-12042.	15580.	230.6	240.98	88.23	-.10	-.95
1481	1983	121	22	59	121.95764	85.76862	252.45760	2141660.	1551868.	-8947.	-10753.	13989.	230.2	241.03	88.31	-.05	-.87
1482	1983	121	23	0	121.95833	85.76408	252.53897	2141175.	1551185.	-9431.	-11436.	14823.	230.5	241.00	88.27	-.08	-.91
1483	1983	121	23	1	121.95903	85.76790	252.47318	2141563.	1551752.	-9042.	-10869.	14138.	230.2	241.03	88.30	-.05	-.88

1484	1983	121	23	2	121.95972	65.77104	252.44382	2141687.	1552158.	-8916.	-10463.	13747.	229.6	241.10	88.29	.01	-.89
1485	1983	121	23	3	121.96042	65.77138	252.42545	2141819.	1552240.	-8783.	-10382.	13599.	229.8	241.08	88.31	-.01	-.87
1486	1983	121	23	4	121.96111	65.76790	252.47318	2141563.	1551752.	-9038.	-10870.	14136.	230.3	241.03	88.30	-.06	-.88
1487	1983	121	23	5	121.96181	65.76683	252.50704	2141333.	1551556.	-9266.	-11066.	14433.	230.1	241.05	88.27	-.04	-.91
1488	1983	121	23	6	121.96250	65.76683	252.50704	2141333.	1551556.	-9265.	-11067.	14433.	230.1	241.05	88.27	-.04	-.91
1489	1983	121	23	7	121.96319	65.76187	252.56445	2141049.	1550888.	-9548.	-11735.	15128.	230.9	240.96	88.27	-.13	-.91
1490	1983	121	23	8	121.96389	65.76539	252.53810	2141138.	1551326.	-9457.	-11297.	14733.	230.1	241.05	88.25	-.04	-.93
1491	1983	121	23	9	121.96458	65.75209	252.74081	2139989.	1549418.	-10605.	-13205.	16937.	231.2	240.90	88.18	-.19	-1.00
1492	1983	121	23	10	121.96528	65.77436	252.40517	2141877.	1552606.	-8715.	-10018.	13278.	229.0	241.16	88.29	.07	-.89
1493	1983	121	23	11	121.96597	65.77398	252.40242	2141912.	1552572.	-8680.	-10052.	13281.	229.2	241.14	88.30	.05	-.88
1494	1983	121	23	12	121.96667	65.76573	252.51983	2141270.	1551408.	-9320.	-11217.	14584.	230.3	241.03	88.27	-.06	-.91
1495	1983	121	23	13	121.96736	65.77232	252.42176	2141816.	1552348.	-8772.	-10277.	13512.	229.5	241.11	88.30	.02	-.88
1496	1983	121	23	14	121.96806	65.77194	252.41901	2141851.	1552315.	-8737.	-10311.	13514.	229.7	241.09	88.31	-.00	-.87
1497	1983	121	23	15	121.96875	65.77321	252.39692	2141980.	1552505.	-8606.	-10121.	13285.	229.6	241.10	88.32	.01	-.86
1498	1983	121	23	16	121.96944	65.77304	252.40612	2141914.	1552464.	-8670.	-10162.	13358.	229.5	241.11	88.31	.02	-.87
1499	1983	121	23	17	121.97014	65.76335	252.55447	2141078.	1551070.	-9505.	-11556.	14963.	230.6	241.00	88.26	-.09	-.92
1500	1983	121	23	18	121.97083	65.76522	252.54723	2141073.	1551286.	-9509.	-11341.	14800.	230.0	241.06	88.24	-.03	-.94
1501	1983	121	23	19	121.97153	65.76518	252.52621	2141238.	1551333.	-9342.	-11293.	14657.	230.4	241.02	88.27	-.07	-.91
1502	1983	121	23	20	121.97222	65.76900	252.46035	2141626.	1551901.	-8953.	-10726.	13971.	230.1	241.05	88.30	-.04	-.88
1503	1983	121	23	21	121.97292	65.76284	252.58182	2140881.	1550949.	-9697.	-11679.	15180.	230.3	241.03	88.23	-.06	-.95
1504	1983	121	23	22	121.97361	65.76777	252.50339	2141331.	1551664.	-9246.	-10964.	14342.	229.9	241.08	88.26	-.02	-.92
1505	1983	121	23	23	121.97431	65.75429	252.71570	2140113.	1549713.	-10462.	-12915.	16621.	231.0	240.94	88.18	-.16	-1.00
1506	1983	121	23	24	121.97500	65.75848	252.65347	2140464.	1550310.	-10110.	-12319.	15936.	230.6	240.99	88.20	-.11	-.98
1507	1983	121	23	25	121.97569	65.76064	252.60722	2140755.	1550653.	-9818.	-11976.	15486.	230.7	240.99	88.23	-.11	-.95
1508	1983	121	23	26	121.97639	65.76432	252.57185	2140909.	1551130.	-9662.	-11498.	15019.	230.0	241.07	88.22	-.03	-.96
1509	1983	121	23	27	121.97708	65.75882	252.63531	2140595.	1550390.	-9975.	-12239.	15789.	230.8	240.97	88.22	-.13	-.96
1510	1983	121	23	28	121.97778	65.76645	252.50429	2141367.	1551522.	-9201.	-11107.	14423.	230.4	241.03	88.28	-.07	-.90
1511	1983	121	23	29	121.97847	65.76883	252.46951	2141560.	1551861.	-9007.	-10769.	14039.	230.1	241.06	88.29	-.04	-.89
1512	1983	121	23	30	121.97917	65.77705	252.33044	2142370.	1553076.	-8196.	-9554.	12588.	229.4	241.13	88.35	.03	-.82
1513	1983	121	23	31	121.97986	65.76301	252.57270	2140946.	1550989.	-9618.	-11641.	15101.	230.4	241.02	88.24	-.08	-.93
1514	1983	121	23	32	121.98056	65.76191	252.58542	2140883.	1550841.	-9680.	-11790.	15254.	230.6	241.00	88.24	-.10	-.93
1515	1983	121	23	33	121.98125	65.77232	252.42176	2141816.	1552348.	-8746.	-10283.	13499.	229.6	241.11	88.30	.01	-.87
1516	1983	121	23	34	121.98194	65.76611	252.52258	2141236.	1551441.	-9325.	-11190.	14566.	230.2	241.05	88.26	-.05	-.91
1517	1983	121	23	35	121.98264	65.76174	252.59453	2140818.	1550801.	-9742.	-11831.	15325.	230.5	241.01	88.23	-.09	-.94
1518	1983	121	23	36	121.98333	65.78033	252.27017	2142729.	1553574.	-7829.	-9058.	11973.	229.2	241.15	88.38	.05	-.79
1519	1983	121	23	37	121.98403	65.75700	252.66334	2140435.	1550128.	-10121.	-12504.	16087.	231.0	240.95	88.21	-.15	-.96
1520	1983	121	23	38	121.98472	65.76373	252.55722	2141044.	1551104.	-9512.	-11529.	14946.	230.5	241.02	88.25	-.08	-.92
1521	1983	121	23	39	121.98542	65.76174	252.59453	2140818.	1550801.	-9736.	-11832.	15323.	230.6	241.01	88.23	-.09	-.94
1522	1983	121	23	40	121.98611	65.77270	252.42451	2141782.	1552382.	-8771.	-10251.	13491.	229.4	241.13	88.29	.03	-.88
1523	1983	121	23	41	121.98681	65.76773	252.48234	2141497.	1551712.	-9055.	-10921.	14187.	230.3	241.04	88.29	-.06	-.88
1524	1983	121	23	42	121.98750	65.77492	252.39871	2141909.	1552681.	-8641.	-9953.	13181.	229.0	241.17	88.29	.06	-.88
1525	1983	121	23	43	121.98819	65.76794	252.49424	2141396.	1551705.	-9152.	-10929.	14255.	230.1	241.07	88.27	-.04	-.90
1526	1983	121	23	44	121.98889	65.76518	252.52621	2141238.	1551333.	-9309.	-11301.	14641.	230.5	241.02	88.27	-.09	-.90
1527	1983	121	23	45	121.98958	65.76700	252.49789	2141399.	1551597.	-9147.	-11038.	14335.	230.4	241.04	88.28	-.07	-.89
1528	1983	121	23	46	121.99028	65.77215	252.43095	2141750.	1552307.	-8794.	-10327.	13564.	229.6	241.12	88.29	.01	-.88

1529	1983	121	23	47	121.990977	85.77854	252.32019	2142400.	1553260.	-8144.	-9376.	12419.	229.0	241.17	88.34	.06	-.83
1530	1983	121	23	48	121.99167	85.77360	252.39967	2141946.	1552538.	-8596.	-10097.	13260.	229.6	241.12	88.31	.01	-.86
1531	1983	121	23	49	121.99236	85.78038	252.29143	2142562.	1553525.	-7979.	-9110.	12110.	228.8	241.19	88.35	.08	-.82
1532	1983	121	23	50	121.99306	85.76687	252.52808	2141167.	1551508.	-9372.	-11128.	14549.	229.9	241.09	88.24	-.02	-.93
1533	1983	121	23	51	121.99375	85.77321	252.39692	2141980.	1552505.	-8558.	-10132.	13262.	229.8	241.10	88.32	-.01	-.85
1534	1983	121	23	52	121.99444	85.76760	252.51255	2141265.	1551623.	-9272.	-11013.	14397.	229.9	241.09	88.25	-.02	-.92
1535	1983	121	23	53	121.99514	85.76904	252.48143	2141460.	1551854.	-9076.	-10783.	14094.	229.9	241.09	88.27	-.02	-.90
1536	1983	121	23	54	121.99583	85.76938	252.46309	2141592.	1551935.	-8942.	-10702.	13946.	230.1	241.07	88.29	-.04	-.88
1537	1983	121	23	55	121.99653	85.77032	252.45942	2141589.	1552043.	-8944.	-10594.	13865.	229.8	241.10	88.28	-.01	-.89
1538	1983	121	23	56	121.99722	85.77799	252.32669	2142368.	1553185.	-8164.	-9453.	12490.	229.2	241.16	88.34	.05	-.83
1539	1983	121	23	57	121.99792	85.76615	252.54361	2141070.	1551394.	-9460.	-11245.	14695.	229.9	241.09	88.23	-.02	-.94
1540	1983	121	23	58	121.99861	85.76977	252.46584	2141557.	1551969.	-8971.	-10670.	13940.	229.9	241.09	88.28	-.02	-.89
1541	1983	121	23	59	121.99931	85.77232	252.42176	2141816.	1552348.	-8711.	-10290.	13482.	229.8	241.11	88.30	-.00	-.87
1542	1983	122	0	0	122.00000	85.76411	252.55997	2141009.	1551137.	-9517.	-11502.	14928.	230.4	241.04	88.24	-.07	-.93
1543	1983	122	0	1	122.00069	85.76373	252.55722	2141044.	1551104.	-9480.	-11536.	14932.	230.6	241.02	88.25	-.09	-.92
1544	1983	122	0	2	122.00139	85.76394	252.56910	2140944.	1551097.	-9578.	-11543.	15000.	230.3	241.05	88.23	-.07	-.94
1545	1983	122	0	3	122.00208	85.77354	252.47230	2141380.	1552353.	-9140.	-10288.	13761.	228.4	241.25	88.21	.13	-.95
1546	1983	122	0	4	122.00278	85.76339	252.57546	2140912.	1551023.	-9606.	-11619.	15075.	230.4	241.04	88.23	-.08	-.93
1547	1983	122	0	5	122.00347	85.76687	252.52808	2141167.	1551508.	-9349.	-11134.	14538.	230.0	241.09	88.24	-.03	-.92
1548	1983	122	0	6	122.00417	85.76102	252.60997	2140721.	1550686.	-9793.	-11957.	15455.	230.7	241.01	88.22	-.11	-.94
1549	1983	122	0	7	122.00486	85.76683	252.50704	2141333.	1551556.	-9179.	-11087.	14394.	230.4	241.05	88.27	-.07	-.89
1550	1983	122	0	8	122.00556	85.76998	252.47777	2141457.	1551962.	-9053.	-10682.	14002.	229.7	241.12	88.26	-.00	-.90
1551	1983	122	0	9	122.00625	85.76174	252.59453	2140818.	1550801.	-9690.	-11844.	15303.	230.7	241.01	88.23	-.11	-.93
1552	1983	122	0	10	122.00694	85.75463	252.69761	2140244.	1549793.	-10262.	-12852.	16446.	231.4	240.92	88.20	-.20	-.96
1553	1983	122	0	11	122.00764	85.76229	252.58817	2140849.	1550875.	-9655.	-11771.	15224.	230.6	241.02	88.23	-.10	-.93
1554	1983	122	0	12	122.00833	85.76140	252.61273	2140686.	1550720.	-9816.	-11927.	15447.	230.5	241.03	88.21	-.09	-.95
1555	1983	122	0	13	122.00903	85.76119	252.60087	2140786.	1550727.	-9714.	-11920.	15377.	230.8	241.00	88.23	-.12	-.93
1556	1983	122	0	14	122.00972	85.76683	252.50704	2141333.	1551556.	-9165.	-11091.	14388.	230.4	241.05	88.27	-.07	-.89
1557	1983	122	0	15	122.01042	85.76123	252.62183	2140621.	1550679.	-9875.	-11969.	15517.	230.5	241.04	88.20	-.09	-.96
1558	1983	122	0	16	122.01111	85.76284	252.58182	2140881.	1550949.	-9613.	-11700.	15143.	230.6	241.03	88.23	-.10	-.93
1559	1983	122	0	17	122.01181	85.75793	252.65979	2140432.	1550236.	-10060.	-12414.	15978.	231.0	240.98	88.20	-.15	-.96
1560	1983	122	0	18	122.01250	85.76229	252.58817	2140849.	1550875.	-9641.	-11776.	15219.	230.7	241.02	88.23	-.11	-.93
1561	1983	122	0	19	122.01319	85.76041	252.68820	2140127.	1550429.	-10361.	-12221.	16022.	229.7	241.13	88.12	.00	-1.04
1562	1983	122	0	20	122.01389	85.76041	252.68820	2140127.	1550429.	-10359.	-12222.	16021.	229.7	241.13	88.12	.00	-1.04

\$DEU1M T=00004 IS ON CR DW USING 00746 BLKS R=0000

0001	DECCA POSNS AT 1 MIN INTVL (120-21:0:34 TO 122-0:20:0) 1560 RECS																
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH	LAT	EAST	LONG	NORTHING	EASTING	ERNOR	EREAS	ERRAD	ERR-AZ	RED	GREEN	ERRED	ERGRN
0003	1983	120	21	0	120.87539	85.81586	251.07001	2150767.	1560397.	-1248.	-1742.	2142.	234.4	240.45	89.41	-.07	-.10
0004	1983	120	21	0	120.87541	85.82076	250.82928	2152142.	1562388.	127.	250.	281.	63.1	240.55	89.51	.03	.00
0005	1983	120	21	2	120.87639	85.83005	250.80500	2152280.	1562589.	266.	450.	523.	59.5	240.56	89.52	.04	.01
0006	1983	120	21	3	120.87708	85.83118	250.79050	2152349.	1562746.	335.	608.	694.	61.1	240.58	89.52	.06	.01
0007	1983	120	21	4	120.87778	85.82617	250.87774	2151866.	1561988.	-148.	-150.	211.	225.4	240.53	89.49	.01	-.02
0008	1983	120	21	5	120.87847	85.82351	250.90394	2151762.	1561639.	-251.	-500.	559.	243.3	240.47	89.50	-.05	-.01
0009	1983	120	21	6	120.87917	85.81762	251.01701	2151110.	1560722.	-903.	-1417.	1680.	237.5	240.43	89.45	-.09	-.06
0010	1983	120	21	7	120.87986	85.82391	250.90652	2151728.	1561675.	-285.	-464.	544.	238.5	240.49	89.49	-.03	-.02
0011	1983	120	21	8	120.88056	85.82706	250.85096	2152038.	1562153.	26.	14.	29.	27.5	240.52	89.51	-.00	.00
0012	1983	120	21	9	120.88125	85.82423	250.88699	2151866.	1561760.	-146.	-379.	406.	248.9	240.47	89.51	-.05	.00
0013	1983	120	21	10	120.88194	85.83175	250.78325	2152384.	1562825.	372.	686.	780.	61.5	240.59	89.52	.07	.01
0014	1983	120	21	11	120.88264	85.82892	250.81948	2152211.	1562431.	200.	292.	354.	55.6	240.54	89.52	.02	.01
0015	1983	120	21	12	120.88333	85.82464	250.88956	2151831.	1561796.	-179.	-344.	388.	242.4	240.49	89.50	-.03	-.01
0016	1983	120	21	13	120.88403	85.82706	250.85096	2152038.	1562153.	28.	13.	31.	24.8	240.52	89.51	-.01	.00
0017	1983	120	21	14	120.88472	85.82674	250.87053	2151900.	1562067.	-110.	-73.	132.	213.6	240.54	89.49	.01	-.02
0018	1983	120	21	15	120.88542	85.82302	250.93321	2151556.	1561511.	-454.	-629.	775.	234.2	240.50	89.47	-.03	-.04
0019	1983	120	21	16	120.88611	85.82762	250.84374	2152073.	1562231.	64.	91.	111.	55.1	240.53	89.51	.00	.00
0020	1983	120	21	17	120.88681	85.83288	250.76872	2152453.	1562983.	444.	843.	952.	62.2	240.61	89.52	.08	.01
0021	1983	120	21	18	120.88750	85.82504	250.89213	2151797.	1561832.	-212.	-309.	374.	235.6	240.51	89.49	-.02	-.02
0022	1983	120	21	19	120.88819	85.82633	250.86795	2151935.	1562031.	-73.	-109.	132.	236.1	240.52	89.50	-.01	-.01
0023	1983	120	21	20	120.88889	85.81505	251.06484	2150836.	1560325.	-1172.	-1815.	2161.	237.2	240.41	89.43	-.12	-.08
0024	1983	120	21	21	120.88958	85.82318	250.92346	2151625.	1561554.	-383.	-587.	701.	236.9	240.49	89.48	-.04	-.03
0025	1983	120	21	22	120.89028	85.82932	250.82205	2152176.	1562467.	169.	326.	368.	62.6	240.56	89.51	.03	.01
0026	1983	120	21	23	120.89097	85.82173	250.95729	2151418.	1561312.	-588.	-829.	1017.	234.6	240.49	89.46	-.04	-.04
0027	1983	120	21	24	120.89167	85.82246	250.94038	2151521.	1561433.	-485.	-708.	858.	235.6	240.49	89.47	-.04	-.03
0028	1983	120	21	25	120.89236	85.82044	250.98133	2151281.	1561113.	-725.	-1028.	1258.	234.8	240.48	89.45	-.05	-.05
0029	1983	120	21	26	120.89306	85.82746	250.85353	2152004.	1562188.	-2.	47.	47.	92.2	240.54	89.50	.01	-.00
0030	1983	120	21	27	120.89375	85.82601	250.88751	2151797.	1561946.	-208.	-196.	286.	223.2	240.54	89.48	.01	-.02
0031	1983	120	21	28	120.89444	85.82601	250.88751	2151797.	1561946.	-208.	-196.	286.	223.3	240.54	89.48	.01	-.02
0032	1983	120	21	29	120.89514	85.82230	250.95013	2151453.	1561390.	-552.	-752.	932.	233.7	240.50	89.46	-.03	-.04
0033	1983	120	21	30	120.89583	85.82674	250.87053	2151900.	1562067.	-104.	-75.	128.	215.8	240.54	89.49	.01	-.01
0034	1983	120	21	31	120.89653	85.82819	250.83651	2152107.	1562310.	104.	168.	197.	58.3	240.54	89.51	.01	.01
0035	1983	120	21	32	120.89722	85.82617	250.87774	2151866.	1561988.	-138.	-154.	206.	228.2	240.53	89.49	.00	-.01
0036	1983	120	21	33	120.89792	85.82504	250.89213	2151797.	1561832.	-206.	-311.	373.	236.4	240.51	89.49	-.02	-.01
0037	1983	120	21	34	120.89861	85.82819	250.83651	2152107.	1562310.	105.	167.	197.	58.0	240.54	89.51	.01	.01
0038	1983	120	21	35	120.89931	85.82617	250.87774	2151866.	1561988.	-136.	-154.	206.	228.5	240.53	89.49	.00	-.01
0039	1983	120	21	36	120.90000	85.82690	250.86074	2151969.	1562110.	-33.	-33.	46.	225.1	240.53	89.50	.00	-.00
0040	1983	120	21	37	120.90069	85.82762	250.84374	2152073.	1562231.	71.	88.	114.	51.2	240.53	89.51	.00	.01
0041	1983	120	21	38	120.90139	85.82819	250.83651	2152107.	1562310.	106.	167.	198.	57.6	240.54	89.51	.01	.01
0042	1983	120	21	39	120.90208	85.82948	250.81224	2152245.	1562510.	245.	367.	441.	56.3	240.55	89.52	.02	.02
0043	1983	120	21	40	120.90278	85.83021	250.79518	2152349.	1562632.	349.	488.	600.	54.5	240.55	89.53	.02	.03

0224	1983	121	0	41	121.02847	85.82569	250.90706	2151659.	1561860.	-259.	-308.	403.	230.0	240.56	89.46	-.00	-.02
0225	1983	121	0	42	121.02917	85.82480	250.93378	2151487.	1561696.	-431.	-473.	639.	227.7	240.57	89.44	.01	-.04
0226	1983	121	0	43	121.02986	85.82698	250.88289	2151797.	1562060.	-120.	-109.	162.	222.3	240.57	89.47	.01	-.01
0227	1983	121	0	44	121.03056	85.82941	250.84424	2152004.	1562417.	88.	248.	263.	70.5	240.60	89.48	.04	-.00
0228	1983	121	0	45	121.03125	85.82868	250.86126	2151900.	1562296.	-15.	126.	127.	96.8	240.60	89.47	.04	-.01
0229	1983	121	0	46	121.03194	85.82868	250.86126	2151900.	1562296.	-14.	126.	127.	96.5	240.60	89.47	.04	-.01
0230	1983	121	0	47	121.03264	85.82682	250.89267	2151728.	1562017.	-186.	-153.	241.	219.4	240.58	89.46	.02	-.02
0231	1983	121	0	48	121.03333	85.82811	250.86847	2151866.	1562217.	-47.	47.	67.	135.1	240.59	89.47	.03	-.01
0232	1983	121	0	49	121.03403	85.83240	250.79822	2152246.	1562854.	333.	683.	760.	64.0	240.64	89.49	.08	.01
0233	1983	121	0	50	121.03472	85.82981	250.84682	2151969.	1562453.	58.	282.	288.	78.4	240.62	89.47	.06	-.01
0234	1983	121	0	51	121.03542	85.82925	250.85404	2151935.	1562374.	24.	204.	205.	83.3	240.61	89.47	.05	-.01
0235	1983	121	0	52	121.03611	85.83054	250.82978	2152073.	1562575.	163.	404.	435.	68.0	240.62	89.48	.06	-.00
0236	1983	121	0	53	121.03681	85.82868	250.86126	2151900.	1562296.	-9.	125.	125.	94.1	240.60	89.47	.04	-.01
0237	1983	121	0	54	121.03750	85.82868	250.86126	2151900.	1562296.	-8.	124.	125.	93.8	240.60	89.47	.04	-.01
0238	1983	121	0	55	121.03819	85.82739	250.88547	2151762.	1562096.	-145.	-76.	164.	207.5	240.59	89.46	.03	-.02
0239	1983	121	0	56	121.03889	85.82755	250.87568	2151831.	1562139.	-76.	-33.	83.	203.6	240.58	89.47	.01	-.01
0240	1983	121	0	57	121.03958	85.82941	250.84424	2152004.	1562417.	97.	245.	264.	68.3	240.60	89.48	.03	-.00
0241	1983	121	0	58	121.04028	85.82884	250.85146	2151969.	1562339.	64.	167.	178.	69.1	240.59	89.48	.02	-.00
0242	1983	121	0	59	121.04097	85.82739	250.88547	2151762.	1562096.	-142.	-76.	162.	208.2	240.59	89.46	.02	-.02
0243	1983	121	1	0	121.04167	85.82811	250.86847	2151866.	1562217.	-38.	45.	59.	130.5	240.59	89.47	.02	-.01
0244	1983	121	1	1	121.04236	85.82941	250.84424	2152004.	1562417.	100.	245.	264.	67.7	240.60	89.48	.03	-.00
0245	1983	121	1	2	121.04306	85.83127	250.81272	2152176.	1562696.	274.	523.	591.	62.4	240.62	89.49	.05	.01
0246	1983	121	1	3	121.04375	85.82852	250.87105	2151831.	1562253.	-70.	80.	107.	131.4	240.61	89.46	.04	-.02
0247	1983	121	1	4	121.04444	85.83070	250.81996	2152142.	1562617.	241.	444.	505.	61.5	240.61	89.49	.04	.01
0248	1983	121	1	5	121.04514	85.83184	250.80547	2152211.	1562775.	311.	602.	677.	62.7	240.63	89.49	.06	.01
0249	1983	121	1	6	121.04583	85.82828	250.85868	2151935.	1562260.	35.	86.	93.	67.8	240.58	89.48	.01	-.00
0250	1983	121	1	7	121.04653	85.82811	250.86847	2151866.	1562217.	-33.	43.	55.	127.2	240.59	89.47	.02	-.01
0251	1983	121	1	8	121.04722	85.83013	250.82720	2152107.	1562539.	209.	365.	421.	60.2	240.60	89.49	.03	.01
0252	1983	121	1	9	121.04792	85.82755	250.87568	2151831.	1562139.	-66.	-36.	75.	208.3	240.58	89.47	.01	-.01
0253	1983	121	1	10	121.04861	85.82626	250.89987	2151693.	1561939.	-203.	-236.	311.	229.2	240.57	89.46	.00	-.02
0254	1983	121	1	11	121.04931	85.82553	250.91683	2151590.	1561818.	-306.	-357.	470.	229.4	240.57	89.45	.00	-.03
0255	1983	121	1	12	121.05000	85.82682	250.89267	2151728.	1562017.	-167.	-157.	230.	223.3	240.58	89.46	.01	-.02
0256	1983	121	1	13	121.05069	85.82755	250.87568	2151831.	1562139.	-63.	-36.	73.	209.9	240.58	89.47	.01	-.01
0257	1983	121	1	14	121.05139	85.82496	250.92402	2151556.	1561739.	-338.	-436.	551.	232.2	240.56	89.45	-.01	-.03
0258	1983	121	1	15	121.05208	85.82811	250.86847	2151866.	1562217.	-27.	42.	50.	122.8	240.59	89.47	.02	-.01
0259	1983	121	1	16	121.05278	85.82941	250.84424	2152004.	1562417.	112.	242.	266.	65.2	240.60	89.48	.03	.00
0260	1983	121	1	17	121.05347	85.82739	250.88547	2151762.	1562096.	-129.	-80.	152.	211.8	240.59	89.46	.02	-.02
0261	1983	121	1	18	121.05417	85.82496	250.92402	2151556.	1561739.	-335.	-437.	550.	232.5	240.56	89.45	-.01	-.03
0262	1983	121	1	19	121.05486	85.82795	250.87826	2151797.	1562174.	-93.	-2.	93.	181.0	240.60	89.46	.03	-.02
0263	1983	121	1	20	121.05556	85.83256	250.78839	2152315.	1562897.	426.	721.	837.	59.4	240.63	89.50	.06	.02
0264	1983	121	1	21	121.05625	85.82682	250.89267	2151728.	1562017.	-160.	-159.	226.	224.8	240.58	89.46	.01	-.02
0265	1983	121	1	22	121.05694	85.83070	250.81996	2152142.	1562617.	254.	441.	509.	60.0	240.61	89.49	.04	.01
0266	1983	121	1	23	121.05764	85.83070	250.81996	2152142.	1562617.	255.	441.	509.	59.9	240.61	89.49	.04	.01
0267	1983	121	1	24	121.05833	85.83329	250.77130	2152419.	1563019.	533.	842.	996.	57.7	240.63	89.51	.06	.03
0268	1983	121	1	25	121.05903	85.83184	250.80547	2152211.	1562775.	326.	598.	681.	61.4	240.63	89.49	.06	.01

0044	1983	120	21	41	120.90347	85.82577	250.87516	2151900.	1561953.	-100.	-191.	215.	242.4	240.51	89.50	-.02	-.00
0045	1983	120	21	42	120.90417	85.82633	250.86795	2151935.	1562031.	-65.	-112.	130.	239.9	240.52	89.50	-.01	-.00
0046	1983	120	21	43	120.90486	85.82633	250.86795	2151935.	1562031.	-65.	-112.	129.	240.1	240.52	89.50	-.01	-.00
0047	1983	120	21	44	120.90556	85.83005	250.80500	2152280.	1562589.	281.	445.	526.	57.7	240.56	89.52	.03	.02
0048	1983	120	21	45	120.90625	85.82561	250.88494	2151831.	1561910.	-167.	-234.	287.	234.4	240.52	89.49	-.01	-.01
0049	1983	120	21	46	120.90694	85.82762	250.84374	2152073.	1562231.	75.	87.	115.	49.5	240.53	89.51	.00	.01
0050	1983	120	21	47	120.90764	85.82593	250.86538	2151969.	1561995.	-29.	-149.	151.	259.1	240.50	89.51	-.03	.01
0051	1983	120	21	48	120.90833	85.82706	250.85096	2152038.	1562153.	41.	8.	42.	11.7	240.52	89.51	-.01	.01
0052	1983	120	21	49	120.90903	85.82561	250.88494	2151831.	1561910.	-166.	-234.	287.	234.7	240.52	89.49	-.01	-.01
0053	1983	120	21	50	120.90972	85.82246	250.94038	2151521.	1561433.	-475.	-712.	856.	236.3	240.49	89.47	-.04	-.03
0054	1983	120	21	51	120.91042	85.82633	250.86795	2151935.	1562031.	-62.	-113.	129.	241.4	240.52	89.50	-.01	-.00
0055	1983	120	21	52	120.91111	85.82633	250.86795	2151935.	1562031.	-61.	-113.	129.	241.6	240.52	89.50	-.01	-.00
0056	1983	120	21	53	120.91181	85.82819	250.83651	2152107.	1562310.	112.	165.	199.	55.9	240.54	89.51	.01	.01
0057	1983	120	21	54	120.91250	85.82690	250.86074	2151969.	1562110.	-26.	-35.	44.	233.4	240.53	89.50	-.00	-.00
0058	1983	120	21	55	120.91319	85.81875	251.00275	2151178.	1560878.	-817.	-1267.	1507.	237.2	240.45	89.45	-.08	-.05
0059	1983	120	21	56	120.91389	85.82504	250.89213	2151797.	1561832.	-198.	-314.	371.	237.8	240.51	89.49	-.02	-.01
0060	1983	120	21	57	120.91458	85.82448	250.89933	2151762.	1561753.	-232.	-392.	456.	239.4	240.50	89.49	-.03	-.01
0061	1983	120	21	58	120.91528	85.82690	250.86074	2151969.	1562110.	-25.	-36.	43.	235.4	240.53	89.50	-.00	-.00
0062	1983	120	21	59	120.91597	85.82334	250.91370	2151694.	1561596.	-300.	-549.	626.	241.4	240.48	89.49	-.05	-.01
0063	1983	120	22	0	120.91667	85.82391	250.90652	2151728.	1561675.	-265.	-471.	540.	240.6	240.49	89.49	-.04	-.01
0064	1983	120	22	1	120.91736	85.82819	250.83651	2152107.	1562310.	115.	164.	200.	55.1	240.54	89.51	.01	.01
0065	1983	120	22	2	120.91806	85.82246	250.94038	2151521.	1561433.	-471.	-713.	855.	236.6	240.49	89.47	-.04	-.03
0066	1983	120	22	3	120.91875	85.82690	250.86074	2151969.	1562110.	-23.	-36.	43.	237.9	240.53	89.50	-.00	-.00
0067	1983	120	22	4	120.91944	85.82617	250.87774	2151866.	1561988.	-126.	-158.	202.	231.4	240.53	89.49	-.00	-.01
0068	1983	120	22	5	120.92014	85.82391	250.90652	2151728.	1561675.	-263.	-472.	540.	240.8	240.49	89.49	-.04	-.01
0069	1983	120	22	6	120.92083	85.82504	250.89213	2151797.	1561832.	-194.	-315.	370.	238.4	240.51	89.49	-.02	-.01
0070	1983	120	22	7	120.92153	85.82246	250.94038	2151521.	1561433.	-469.	-714.	854.	236.7	240.49	89.47	-.04	-.03
0071	1983	120	22	8	120.92222	85.82617	250.87774	2151866.	1561988.	-124.	-158.	201.	231.8	240.53	89.49	-.00	-.01
0072	1983	120	22	9	120.92292	85.82762	250.84374	2152073.	1562231.	83.	84.	118.	45.5	240.53	89.51	-.00	.01
0073	1983	120	22	10	120.92361	85.82690	250.86074	2151969.	1562110.	-20.	-37.	42.	241.5	240.53	89.50	-.00	-.00
0074	1983	120	22	11	120.92431	85.82633	250.86795	2151935.	1562031.	-54.	-116.	128.	244.9	240.52	89.50	-.01	-.00
0075	1983	120	22	12	120.92500	85.82488	250.90190	2151728.	1561789.	-261.	-358.	443.	234.0	240.52	89.48	-.01	-.02
0076	1983	120	22	13	120.92569	85.82674	250.87053	2151900.	1562067.	-88.	-80.	119.	222.4	240.54	89.49	.01	-.01
0077	1983	120	22	14	120.92639	85.82561	250.88494	2151831.	1561910.	-157.	-237.	284.	236.6	240.52	89.49	-.01	-.01
0078	1983	120	22	15	120.92708	85.82601	250.88751	2151797.	1561946.	-191.	-202.	278.	226.6	240.54	89.48	.01	-.02
0079	1983	120	22	16	120.92778	85.82876	250.82928	2152142.	1562388.	155.	241.	286.	57.3	240.55	89.51	.02	.01
0080	1983	120	22	17	120.92847	85.82545	250.89471	2151762.	1561867.	-224.	-281.	359.	231.3	240.53	89.48	-.00	-.02
0081	1983	120	22	18	120.92917	85.82415	250.91885	2151625.	1561668.	-362.	-480.	601.	233.0	240.52	89.47	-.01	-.03
0082	1983	120	22	19	120.92986	85.82488	250.90190	2151728.	1561789.	-258.	-359.	442.	234.3	240.52	89.48	-.01	-.02
0083	1983	120	22	20	120.93056	85.82658	250.88031	2151831.	1562024.	-154.	-124.	198.	218.8	240.55	89.48	.02	-.02
0084	1983	120	22	21	120.93125	85.82674	250.87053	2151900.	1562067.	-85.	-81.	118.	223.7	240.54	89.49	.01	-.01
0085	1983	120	22	22	120.93194	85.82415	250.91885	2151625.	1561668.	-360.	-481.	601.	233.2	240.52	89.47	-.02	-.03
0086	1983	120	22	23	120.93264	85.82730	250.86332	2151935.	1562146.	-50.	-3.	50.	183.5	240.55	89.49	.01	-.01
0087	1983	120	22	24	120.93333	85.82230	250.95013	2151453.	1561390.	-531.	-759.	926.	235.0	240.50	89.46	-.04	-.04
0088	1983	120	22	25	120.93403	85.82173	250.95729	2151418.	1561312.	-565.	-837.	1010.	236.0	240.49	89.46	-.05	-.04

0089	1983	120	22	26	120.93472	85.82230	250.95013	2151453.	1561390.	-531.	-759.	926.	235.0	240.50	89.46	-.04	-.04
0090	1983	120	22	27	120.93542	85.82286	250.94296	2151487.	1561468.	-496.	-681.	842.	233.9	240.51	89.46	-.03	-.04
0091	1983	120	22	28	120.93611	85.82302	250.93321	2151556.	1561511.	-427.	-638.	768.	236.2	240.50	89.47	-.04	-.03
0092	1983	120	22	29	120.93681	85.82746	250.85353	2152004.	1562188.	21.	39.	44.	61.4	240.54	89.50	.00	.00
0093	1983	120	22	30	120.93750	85.82359	250.92603	2151590.	1561589.	-392.	-560.	684.	235.0	240.51	89.47	-.03	-.03
0094	1983	120	22	31	120.93819	85.82028	250.99105	2151212.	1561070.	-769.	-1079.	1326.	234.5	240.49	89.44	-.05	-.06
0095	1983	120	22	32	120.93889	85.82173	250.95729	2151418.	1561312.	-563.	-838.	1009.	236.1	240.49	89.46	-.05	-.04
0096	1983	120	22	33	120.93958	85.82044	250.98133	2151281.	1561113.	-700.	-1037.	1251.	236.0	240.48	89.45	-.06	-.05
0097	1983	120	22	34	120.94028	85.82246	250.94038	2151521.	1561433.	-459.	-717.	852.	237.4	240.49	89.47	-.05	-.03
0098	1983	120	22	35	120.94097	85.82173	250.95729	2151418.	1561312.	-562.	-838.	1009.	236.2	240.49	89.46	-.05	-.04
0099	1983	120	22	36	120.94167	85.82803	250.84631	2152038.	1562267.	58.	117.	130.	63.4	240.55	89.50	.01	.00
0100	1983	120	22	37	120.94236	85.82359	250.92603	2151590.	1561589.	-389.	-561.	683.	235.3	240.51	89.47	-.03	-.03
0101	1983	120	22	38	120.94306	85.82399	250.92861	2151556.	1561625.	-423.	-526.	675.	231.2	240.53	89.46	-.01	-.04
0102	1983	120	22	39	120.94375	85.82617	250.87774	2151866.	1561988.	-113.	-162.	198.	235.1	240.53	89.49	-.01	-.01
0103	1983	120	22	40	120.94444	85.82561	250.88494	2151831.	1561910.	-147.	-241.	282.	238.6	240.52	89.49	-.02	-.01
0104	1983	120	22	41	120.94514	85.82472	250.91167	2151659.	1561746.	-319.	-405.	515.	231.8	240.53	89.47	-.01	-.03
0105	1983	120	22	42	120.94583	85.82730	250.86332	2151935.	1562146.	-43.	-5.	43.	187.3	240.55	89.49	.01	-.01
0106	1983	120	22	43	120.94653	85.82674	250.87053	2151900.	1562067.	-77.	-84.	114.	227.5	240.54	89.49	.00	-.01
0107	1983	120	22	44	120.94722	85.82746	250.85353	2152004.	1562188.	27.	37.	46.	54.1	240.54	89.50	.00	.00
0108	1983	120	22	45	120.94792	85.82819	250.83651	2152107.	1562310.	131.	158.	205.	50.5	240.54	89.51	.00	.01
0109	1983	120	22	46	120.94861	85.82730	250.86332	2151935.	1562146.	-41.	-6.	42.	188.2	240.55	89.49	.01	-.01
0110	1983	120	22	47	120.94931	85.82674	250.87053	2151900.	1562067.	-76.	-85.	113.	228.3	240.54	89.49	.00	-.01
0111	1983	120	22	48	120.95000	85.82803	250.84631	2152038.	1562267.	63.	115.	131.	61.4	240.55	89.50	.01	.00
0112	1983	120	22	49	120.95069	85.82545	250.89471	2151762.	1561867.	-213.	-285.	355.	233.2	240.53	89.48	-.01	-.02
0113	1983	120	22	50	120.95139	85.82617	250.87774	2151866.	1561988.	-109.	-164.	197.	236.3	240.53	89.49	-.01	-.01
0114	1983	120	22	51	120.95208	85.82488	250.90190	2151728.	1561789.	-246.	-363.	439.	235.9	240.52	89.48	-.02	-.02
0115	1983	120	22	52	120.95278	85.82415	250.91885	2151625.	1561668.	-349.	-485.	597.	234.2	240.52	89.47	-.02	-.03
0116	1983	120	22	53	120.95347	85.82359	250.92603	2151590.	1561589.	-383.	-563.	681.	235.8	240.51	89.47	-.03	-.03
0117	1983	120	22	54	120.95417	85.82601	250.88751	2151797.	1561946.	-176.	-207.	272.	229.5	240.54	89.48	.00	-.02
0118	1983	120	22	55	120.95486	85.82529	250.90448	2151693.	1561825.	-279.	-328.	431.	229.6	240.54	89.47	.00	-.03
0119	1983	120	22	56	120.95556	85.82343	250.93579	2151521.	1561547.	-451.	-606.	756.	233.3	240.52	89.46	-.02	-.04
0120	1983	120	22	57	120.95625	85.82690	250.86074	2151969.	1562110.	-3.	-43.	43.	266.1	240.53	89.50	-.01	.00
0121	1983	120	22	58	120.95694	85.82617	250.87774	2151866.	1561988.	-106.	-165.	196.	237.2	240.53	89.49	-.01	-.01
0122	1983	120	22	59	120.95764	85.82617	250.87774	2151866.	1561988.	-106.	-165.	196.	237.3	240.53	89.49	-.01	-.01
0123	1983	120	23	0	120.95833	85.82746	250.85353	2152004.	1562188.	33.	35.	48.	47.0	240.54	89.50	-.00	.00
0124	1983	120	23	1	120.95903	85.82488	250.90190	2151728.	1561789.	-243.	-365.	438.	236.4	240.52	89.48	-.02	-.02
0125	1983	120	23	2	120.95972	85.82302	250.93321	2151556.	1561511.	-414.	-643.	765.	237.2	240.50	89.47	-.04	-.03
0126	1983	120	23	3	120.96042	85.82472	250.91167	2151659.	1561746.	-311.	-408.	513.	232.7	240.53	89.47	-.01	-.03
0127	1983	120	23	4	120.96111	85.82545	250.89471	2151762.	1561867.	-207.	-287.	354.	234.1	240.53	89.48	-.01	-.02
0128	1983	120	23	5	120.96181	85.82214	250.95987	2151384.	1561347.	-565.	-807.	996.	234.0	240.51	89.45	-.03	-.05
0129	1983	120	23	6	120.96250	85.82061	250.97160	2151350.	1561155.	-619.	-999.	1175.	238.2	240.47	89.46	-.07	-.04
0130	1983	120	23	7	120.96319	85.82545	250.89471	2151762.	1561867.	-206.	-287.	353.	234.3	240.53	89.48	-.01	-.02
0131	1983	120	23	8	120.96389	85.82359	250.92603	2151590.	1561589.	-378.	-565.	680.	236.2	240.51	89.47	-.03	-.03
0132	1983	120	23	9	120.96458	85.81988	250.98847	2151247.	1561035.	-721.	-1120.	1332.	237.2	240.47	89.45	-.07	-.05
0133	1983	120	23	10	120.96528	85.82343	250.93579	2151521.	1561547.	-446.	-608.	754.	233.7	240.52	89.46	-.02	-.04

0134	1983	120	23	11	120.96597	85.81900	251.01504	2151075.	1560871.	-892.	-1283.	1563.	235.2	240.48	89.43	-.06	-.07
0135	1983	120	23	12	120.96667	85.82246	250.94038	2151521.	1561433.	-445.	-722.	848.	238.4	240.49	89.47	-.05	-.03
0136	1983	120	23	13	120.96736	85.82472	250.91167	2151659.	1561746.	-307.	-409.	511.	233.1	240.53	89.47	-.01	-.03
0137	1983	120	23	14	120.96806	85.82286	250.94296	2151487.	1561468.	-479.	-687.	837.	235.1	240.51	89.46	-.03	-.04
0138	1983	120	23	15	120.96875	85.82286	250.94296	2151487.	1561468.	-478.	-687.	837.	235.1	240.51	89.46	-.03	-.04
0139	1983	120	23	16	120.96944	85.82529	250.90448	2151693.	1561825.	-272.	-331.	428.	230.6	240.54	89.47	-.00	-.03
0140	1983	120	23	17	120.97014	65.82601	250.88751	2151797.	1561946.	-168.	-210.	269.	231.3	240.54	89.48	-.00	-.02
0141	1983	120	23	18	120.97083	85.82529	250.90448	2151693.	1561825.	-271.	-331.	428.	230.7	240.54	89.47	-.00	-.03
0142	1983	120	23	19	120.97153	85.82601	250.88751	2151797.	1561946.	-167.	-210.	268.	231.5	240.54	89.48	-.00	-.02
0143	1983	120	23	20	120.97222	85.82658	250.88031	2151831.	1562024.	-132.	-132.	187.	224.8	240.55	89.48	.01	-.01
0144	1983	120	23	21	120.97292	85.82214	250.95987	2151384.	1561347.	-579.	-809.	995.	234.4	240.51	89.45	-.03	-.04
0145	1983	120	23	22	120.97361	85.82472	250.91167	2151659.	1561746.	-304.	-410.	510.	233.5	240.53	89.47	-.01	-.02
0146	1983	120	23	23	120.97431	85.82141	250.97676	2151281.	1561227.	-682.	-930.	1153.	233.8	240.51	89.44	-.03	-.05
0147	1983	120	23	24	120.97500	85.82399	250.92861	2151556.	1561625.	-406.	-531.	669.	232.6	240.53	89.46	-.01	-.03
0148	1983	120	23	25	120.97569	85.82601	250.88751	2151797.	1561946.	-165.	-211.	268.	231.9	240.54	89.48	-.00	-.01
0149	1983	120	23	26	120.97639	85.82529	250.90448	2151693.	1561825.	-268.	-332.	427.	231.1	240.54	89.47	-.00	-.02
0150	1983	120	23	27	120.97708	85.82109	250.99622	2151143.	1561141.	-818.	-1015.	1304.	231.2	240.53	89.42	-.01	-.07
0151	1983	120	23	28	120.97778	85.82254	250.96245	2151350.	1561383.	-611.	-774.	986.	231.7	240.53	89.44	-.01	-.05
0152	1983	120	23	29	120.97847	85.82585	250.89729	2151728.	1561903.	-232.	-254.	344.	227.5	240.55	89.47	.01	-.02
0153	1983	120	23	30	120.97917	85.82399	250.92861	2151556.	1561625.	-404.	-532.	668.	232.8	240.53	89.46	-.02	-.03
0154	1983	120	23	31	120.97986	85.82399	250.92861	2151556.	1561625.	-404.	-532.	668.	232.8	240.53	89.46	-.02	-.03
0155	1983	120	23	32	120.98056	85.82529	250.90448	2151693.	1561825.	-266.	-333.	426.	231.4	240.54	89.47	-.01	-.02
0156	1983	120	23	33	120.98125	85.82327	250.94554	2151453.	1561504.	-506.	-654.	827.	232.2	240.53	89.45	-.02	-.04
0157	1983	120	23	34	120.98194	85.82512	250.91425	2151625.	1561782.	-334.	-376.	503.	228.4	240.55	89.46	.00	-.03
0158	1983	120	23	35	120.98264	85.82456	250.92143	2151590.	1561703.	-368.	-454.	585.	231.0	240.54	89.46	-.01	-.03
0159	1983	120	23	36	120.98333	85.82844	250.84888	2152004.	1562303.	46.	145.	152.	72.4	240.57	89.49	.02	-.00
0160	1983	120	23	37	120.98403	85.82512	250.91425	2151625.	1561782.	-333.	-376.	502.	228.5	240.55	89.46	.00	-.03
0161	1983	120	23	38	120.98472	85.82642	250.89009	2151762.	1561981.	-195.	-177.	263.	222.2	240.56	89.47	.01	-.02
0162	1983	120	23	39	120.98542	85.82714	250.87311	2151866.	1562103.	-91.	-56.	107.	211.4	240.56	89.48	.01	-.01
0163	1983	120	23	40	120.98611	85.82714	250.87311	2151866.	1562103.	-91.	-56.	106.	211.6	240.56	89.48	.01	-.01
0164	1983	120	23	41	120.98681	85.82585	250.89729	2151728.	1561903.	-228.	-256.	343.	228.3	240.55	89.47	.00	-.02
0165	1983	120	23	42	120.98750	85.82642	250.89009	2151762.	1561981.	-193.	-177.	262.	222.5	240.56	89.47	.01	-.02
0166	1983	120	23	43	120.98819	85.82626	250.89987	2151693.	1561939.	-262.	-220.	342.	220.1	240.57	89.46	.02	-.03
0167	1983	120	23	44	120.98889	85.82399	250.92861	2151556.	1561625.	-399.	-534.	667.	233.2	240.53	89.46	-.02	-.03
0168	1983	120	23	45	120.98958	85.82383	250.93837	2151487.	1561582.	-468.	-577.	742.	231.0	240.54	89.45	-.01	-.04
0169	1983	120	23	46	120.99028	85.82714	250.87311	2151866.	1562103.	-88.	-56.	105.	212.6	240.56	89.48	.01	-.01
0170	1983	120	23	47	120.99097	85.82198	250.96961	2151315.	1561305.	-639.	-855.	1067.	233.2	240.52	89.44	-.03	-.05
0171	1983	120	23	48	120.99167	85.82399	250.92861	2151556.	1561625.	-398.	-534.	666.	233.4	240.53	89.46	-.02	-.03
0172	1983	120	23	49	120.99236	85.82714	250.87311	2151866.	1562103.	-87.	-57.	104.	213.1	240.56	89.48	.01	-.01
0173	1983	120	23	50	120.99306	85.82642	250.89009	2151762.	1561981.	-190.	-178.	261.	223.1	240.56	89.47	.01	-.02
0174	1983	120	23	51	120.99375	85.82327	250.94554	2151453.	1561504.	-500.	-656.	824.	232.7	240.53	89.45	-.02	-.04
0175	1983	120	23	52	120.99444	85.82496	250.92402	2151556.	1561739.	-396.	-421.	578.	226.7	240.56	89.45	.01	-.04
0176	1983	120	23	53	120.99514	85.82698	250.88289	2151797.	1562060.	-155.	-100.	184.	212.9	240.57	89.47	.02	-.02
0177	1983	120	23	54	120.99583	85.82254	250.96245	2151350.	1561383.	-602.	-777.	983.	232.3	240.53	89.44	-.02	-.05
0178	1983	120	23	55	120.99653	85.82440	250.93119	2151521.	1561661.	-429.	-500.	659.	229.3	240.55	89.45	.00	-.04

0179	1983	120	23	56	120.99722	85.82698	250.88289	2151797.	1562060.	-154.	-101.	184.	213.2	240.57	89.47	.02	-.02
0180	1983	120	23	57	120.99792	85.82496	250.92402	2151556.	1561739.	-394.	-422.	577.	226.9	240.56	89.45	.01	-.04
0181	1983	120	23	58	120.99861	85.82383	250.93837	2151487.	1561582.	-463.	-578.	741.	231.3	240.54	89.45	-.01	-.04
0182	1983	120	23	59	120.99931	85.82811	250.86847	2151866.	1562217.	-84.	56.	101.	146.1	240.59	89.47	.04	-.02
0183	1983	121	0	0	121.00000	85.82351	250.95787	2151349.	1561497.	-600.	-664.	895.	227.9	240.56	89.43	.01	-.06
0184	1983	121	0	1	121.00069	85.82496	250.92402	2151556.	1561739.	-392.	-422.	576.	227.1	240.56	89.45	.01	-.04
0185	1983	121	0	2	121.00139	85.82440	250.93119	2151521.	1561661.	-426.	-501.	657.	229.6	240.55	89.45	-.00	-.04
0186	1983	121	0	3	121.00208	85.82238	250.97219	2151281.	1561340.	-666.	-821.	1057.	231.0	240.54	89.43	-.01	-.06
0187	1983	121	0	4	121.00278	85.83070	250.81996	2152142.	1562617.	196.	456.	496.	66.7	240.61	89.49	.06	-.00
0188	1983	121	0	5	121.00347	85.82811	250.86847	2151866.	1562217.	-80.	55.	97.	145.3	240.59	89.47	.04	-.02
0189	1983	121	0	6	121.00417	85.82496	250.92402	2151556.	1561739.	-389.	-423.	575.	227.4	240.56	89.45	.01	-.04
0190	1983	121	0	7	121.00486	85.82682	250.89267	2151728.	1562017.	-216.	-145.	260.	213.9	240.58	89.46	.03	-.03
0191	1983	121	0	8	121.00556	85.82884	250.85146	2151969.	1562339.	26.	176.	178.	81.5	240.59	89.48	.04	-.01
0192	1983	121	0	9	121.00625	85.82626	250.89987	2151693.	1561939.	-249.	-224.	335.	222.0	240.57	89.46	.02	-.03
0193	1983	121	0	10	121.00694	85.82626	250.89987	2151693.	1561939.	-248.	-224.	334.	222.1	240.57	89.46	.02	-.03
0194	1983	121	0	11	121.00764	85.82698	250.88289	2151797.	1562060.	-144.	-103.	177.	215.6	240.57	89.47	.02	-.02
0195	1983	121	0	12	121.00833	85.82755	250.87568	2151831.	1562139.	-109.	-25.	112.	192.8	240.58	89.47	.03	-.02
0196	1983	121	0	13	121.00903	85.82496	250.92402	2151556.	1561739.	-383.	-424.	572.	227.9	240.56	89.45	.01	-.04
0197	1983	121	0	14	121.00972	85.82941	250.84424	2152004.	1562417.	65.	254.	262.	75.6	240.60	89.48	.05	-.01
0198	1983	121	0	15	121.01042	85.82698	250.88289	2151797.	1562060.	-141.	-104.	175.	216.4	240.57	89.47	.02	-.02
0199	1983	121	0	16	121.01111	85.82440	250.93119	2151521.	1561661.	-416.	-503.	653.	230.5	240.55	89.45	-.00	-.04
0200	1983	121	0	17	121.01181	85.82626	250.89987	2151693.	1561939.	-243.	-226.	331.	222.9	240.57	89.46	.02	-.03
0201	1983	121	0	18	121.01250	85.82512	250.91425	2151625.	1561782.	-311.	-383.	493.	230.9	240.55	89.46	-.00	-.03
0202	1983	121	0	19	121.01319	85.82884	250.85146	2151969.	1562339.	34.	174.	177.	78.8	240.59	89.48	.04	-.01
0203	1983	121	0	20	121.01389	85.82440	250.93119	2151521.	1561661.	-413.	-504.	651.	230.7	240.55	89.45	-.01	-.04
0204	1983	121	0	21	121.01458	85.82698	250.88289	2151797.	1562060.	-136.	-105.	172.	217.6	240.57	89.47	.01	-.02
0205	1983	121	0	22	121.01528	85.82440	250.93119	2151521.	1561661.	-411.	-504.	651.	230.8	240.55	89.45	-.01	-.04
0206	1983	121	0	23	121.01597	85.82440	250.93119	2151521.	1561661.	-410.	-505.	650.	230.9	240.55	89.45	-.01	-.04
0207	1983	121	0	24	121.01667	85.82997	250.83701	2152038.	1562496.	107.	330.	347.	72.0	240.61	89.48	.05	-.01
0208	1983	121	0	25	121.01736	85.82698	250.88289	2151797.	1562060.	-133.	-106.	170.	218.4	240.57	89.47	.01	-.02
0209	1983	121	0	26	121.01806	85.82626	250.89987	2151693.	1561939.	-236.	-227.	328.	223.9	240.57	89.46	.01	-.03
0210	1983	121	0	27	121.01875	85.82698	250.88289	2151797.	1562060.	-132.	-106.	169.	218.8	240.57	89.47	.01	-.02
0211	1983	121	0	28	121.01944	85.82828	250.85868	2151935.	1562260.	7.	94.	94.	85.9	240.58	89.48	.02	-.01
0212	1983	121	0	29	121.02014	85.82755	250.87568	2151831.	1562139.	-96.	-28.	100.	196.2	240.58	89.47	.02	-.02
0213	1983	121	0	30	121.02083	85.82626	250.89987	2151693.	1561939.	-233.	-228.	326.	224.4	240.57	89.46	.01	-.03
0214	1983	121	0	31	121.02153	85.82424	250.94095	2151453.	1561618.	-473.	-549.	725.	229.2	240.56	89.44	.00	-.05
0215	1983	121	0	32	121.02222	85.82626	250.89987	2151693.	1561939.	-232.	-228.	325.	224.6	240.57	89.46	.01	-.03
0216	1983	121	0	33	121.02292	85.82682	250.89267	2151728.	1562017.	-196.	-150.	247.	217.4	240.58	89.46	.02	-.03
0217	1983	121	0	34	121.02361	85.82496	250.92402	2151556.	1561739.	-368.	-428.	565.	229.4	240.56	89.45	.00	-.04
0218	1983	121	0	35	121.02431	85.82755	250.87568	2151831.	1562139.	-91.	-29.	96.	197.6	240.58	89.47	.02	-.02
0219	1983	121	0	36	121.02500	85.82682	250.89267	2151728.	1562017.	-194.	-151.	246.	217.8	240.58	89.46	.02	-.03
0220	1983	121	0	37	121.02569	85.82569	250.90706	2151659.	1561860.	-262.	-308.	404.	229.6	240.56	89.46	.00	-.03
0221	1983	121	0	38	121.02639	85.82424	250.94095	2151453.	1561618.	-468.	-550.	722.	229.6	240.56	89.44	-.00	-.05
0222	1983	121	0	39	121.02708	85.82610	250.90964	2151625.	1561896.	-295.	-272.	402.	222.7	240.58	89.45	.02	-.04
0223	1983	121	0	40	121.02778	85.82739	250.88547	2151762.	1562096.	-157.	-73.	173.	204.9	240.59	89.46	.03	-.02

0269	1983	121	1	26	121.05972	85.83184	250.80547	2152211.	1562775.	327.	598.	681.	61.4	240.63	89.49	.06	.01
0270	1983	121	1	27	121.06042	85.83515	250.73962	2152592.	1563298.	708.	1121.	1326.	57.7	240.65	89.52	.08	.04
0271	1983	121	1	28	121.06111	85.83070	250.81996	2152142.	1562617.	259.	440.	510.	59.5	240.61	89.49	.04	.01
0272	1983	121	1	29	121.06181	85.83070	250.81996	2152142.	1562617.	260.	440.	511.	59.4	240.61	89.49	.04	.01
0273	1983	121	1	30	121.06250	85.83013	250.82720	2152107.	1562539.	226.	361.	426.	58.0	240.60	89.49	.03	.01
0274	1983	121	1	31	121.06319	85.83184	250.80547	2152211.	1562775.	330.	597.	682.	61.0	240.63	89.49	.05	.01
0275	1983	121	1	32	121.06389	85.82997	250.83701	2152038.	1562496.	158.	317.	355.	63.5	240.61	89.48	.03	.00
0276	1983	121	1	33	121.06458	85.82941	250.84424	2152004.	1562417.	124.	239.	269.	62.4	240.60	89.48	.02	.00
0277	1983	121	1	34	121.06528	85.83200	250.79565	2152280.	1562818.	402.	639.	755.	57.9	240.62	89.50	.04	.02
0278	1983	121	1	35	121.06597	85.82997	250.83701	2152038.	1562496.	161.	317.	355.	63.1	240.61	89.48	.03	.00
0279	1983	121	1	36	121.06667	85.82795	250.87826	2151797.	1562174.	-80.	-5.	80.	183.5	240.60	89.46	.02	-.02
0280	1983	121	1	37	121.06736	85.83086	250.81015	2152211.	1562660.	335.	481.	586.	55.2	240.60	89.50	.02	.02
0281	1983	121	1	38	121.06806	85.83184	250.80547	2152211.	1562775.	336.	595.	683.	60.6	240.63	89.49	.05	.01
0282	1983	121	1	39	121.06875	85.83256	250.78839	2152315.	1562897.	440.	717.	841.	58.5	240.63	89.50	.05	.02
0283	1983	121	1	40	121.06944	85.83240	250.79822	2152246.	1562854.	372.	674.	770.	61.1	240.64	89.49	.06	.02
0284	1983	121	1	41	121.07014	85.83200	250.79565	2152280.	1562818.	407.	638.	757.	57.5	240.62	89.50	.04	.03
0285	1983	121	1	42	121.07083	85.83184	250.80547	2152211.	1562775.	339.	595.	684.	60.3	240.63	89.49	.05	.02
0286	1983	121	1	43	121.07153	85.83127	250.81272	2152176.	1562696.	305.	516.	599.	59.4	240.62	89.49	.04	.02
0287	1983	121	1	44	121.07222	85.82997	250.83701	2152038.	1562496.	167.	315.	357.	62.0	240.61	89.48	.03	.01
0288	1983	121	1	45	121.07292	85.82925	250.85404	2151935.	1562374.	64.	193.	204.	71.6	240.61	89.47	.03	-.00
0289	1983	121	1	46	121.07361	85.83127	250.81272	2152176.	1562696.	307.	515.	600.	59.2	240.62	89.49	.04	.02
0290	1983	121	1	47	121.07431	85.83143	250.80290	2152246.	1562739.	377.	558.	673.	56.0	240.61	89.50	.03	.03
0291	1983	121	1	48	121.07500	85.83167	250.81530	2152142.	1562732.	274.	551.	615.	63.5	240.64	89.48	.06	.01
0292	1983	121	1	49	121.07569	85.82941	250.84424	2152004.	1562417.	136.	236.	272.	59.9	240.60	89.48	.02	.01
0293	1983	121	1	50	121.07639	85.83629	250.72504	2152661.	1563456.	795.	1275.	1502.	58.1	240.67	89.52	.09	.05
0294	1983	121	1	51	121.07708	85.83256	250.78839	2152315.	1562897.	449.	715.	844.	57.9	240.63	89.50	.05	.03
0295	1983	121	1	52	121.07778	85.83111	250.82254	2152107.	1562653.	242.	471.	530.	62.8	240.63	89.48	.05	.01
0296	1983	121	1	53	121.07847	85.82997	250.83701	2152038.	1562496.	174.	313.	359.	61.0	240.61	89.48	.03	.01
0297	1983	121	1	54	121.07917	85.82868	250.86126	2151900.	1562296.	37.	113.	119.	72.0	240.60	89.47	.02	-.00
0298	1983	121	1	55	121.07986	85.83184	250.80547	2152211.	1562775.	348.	592.	687.	59.5	240.63	89.49	.05	.02
0299	1983	121	1	56	121.08056	85.83386	250.76403	2152453.	1563097.	591.	915.	1089.	57.1	240.64	89.51	.06	.04
0300	1983	121	1	57	121.08125	85.83329	250.77130	2152419.	1563019.	557.	835.	1004.	56.3	240.63	89.51	.05	.04
0301	1983	121	1	58	121.08194	85.83184	250.80547	2152211.	1562775.	351.	592.	688.	59.4	240.63	89.49	.05	.02
0302	1983	121	1	59	121.08264	85.83086	250.81015	2152211.	1562660.	351.	477.	592.	53.6	240.60	89.50	.02	.03
0303	1983	121	2	0	121.08333	85.83127	250.81272	2152176.	1562696.	317.	512.	603.	58.2	240.62	89.49	.04	.02
0304	1983	121	2	1	121.08403	85.83443	250.75675	2152488.	1563176.	630.	993.	1175.	57.6	240.65	89.51	.07	.04
0305	1983	121	2	2	121.08472	85.82997	250.83701	2152038.	1562496.	181.	312.	360.	59.9	240.61	89.48	.03	.01
0306	1983	121	2	3	121.08542	85.83313	250.78113	2152349.	1562976.	493.	791.	932.	58.1	240.64	89.50	.06	.03
0307	1983	121	2	4	121.08611	85.82553	250.91683	2151590.	1561818.	-266.	-367.	453.	234.1	240.57	89.45	-.01	-.02
0308	1983	121	2	5	121.08681	85.83443	250.75675	2152488.	1563176.	633.	992.	1176.	57.5	240.65	89.51	.07	.04
0309	1983	121	2	6	121.08750	85.82941	250.84424	2152004.	1562417.	149.	232.	276.	57.3	240.60	89.48	.01	.01
0310	1983	121	2	7	121.08819	85.82981	250.84682	2151969.	1562453.	115.	268.	292.	66.7	240.62	89.47	.03	-.00
0311	1983	121	2	8	121.08889	85.82852	250.87105	2151831.	1562253.	-22.	68.	71.	107.8	240.61	89.46	.02	-.01
0312	1983	121	2	9	121.08958	85.83256	250.78839	2152315.	1562897.	463.	711.	848.	57.0	240.63	89.50	.04	.03
0313	1983	121	2	10	121.09028	85.82666	250.90245	2151659.	1561974.	-193.	-211.	286.	227.6	240.59	89.45	.00	-.02

0314	1983	121	2	11	121.09097	85.82925	250.85404	2151935.	1562374.	84.	189.	206.	66.0	240.61	89.47	.02	.00
0315	1983	121	2	12	121.09167	85.83345	250.76145	2152488.	1563062.	638.	876.	1083.	53.9	240.62	89.52	.03	.05
0316	1983	121	2	13	121.09236	85.82610	250.90964	2151625.	1561896.	-225.	-290.	367.	232.2	240.58	89.45	-.01	-.02
0317	1983	121	2	14	121.09306	85.83143	250.80290	2152246.	1562739.	397.	553.	681.	54.3	240.61	89.50	.02	.03
0318	1983	121	2	15	121.09375	85.83443	250.75675	2152488.	1563176.	640.	990.	1179.	57.1	240.65	89.51	.06	.04
0319	1983	121	2	16	121.09444	85.82795	250.87826	2151797.	1562174.	-50.	-12.	52.	193.9	240.60	89.46	.01	-.01
0320	1983	121	2	17	121.09514	85.83256	250.78839	2152315.	1562897.	469.	710.	851.	56.6	240.63	89.50	.04	.03
0321	1983	121	2	18	121.09583	85.83054	250.82978	2152073.	1562575.	227.	387.	449.	59.6	240.62	89.48	.03	.01
0322	1983	121	2	19	121.09653	85.82811	250.86847	2151866.	1562217.	21.	30.	36.	54.9	240.59	89.47	.00	.00
0323	1983	121	2	20	121.09722	85.83144	250.85715	2151831.	1562596.	-13.	409.	409.	91.8	240.70	89.43	.11	-.04
0324	1983	121	2	21	121.09792	85.83054	250.82978	2152073.	1562575.	230.	387.	450.	59.3	240.62	89.48	.03	.01
0325	1983	121	2	22	121.09861	85.83111	250.82254	2152107.	1562653.	265.	465.	535.	60.4	240.63	89.48	.04	.01
0326	1983	121	2	23	121.09931	85.82981	250.84682	2151969.	1562453.	127.	265.	294.	64.3	240.62	89.47	.03	.00
0327	1983	121	2	24	121.10000	85.83459	250.74690	2152557.	1563219.	716.	1031.	1255.	55.2	240.64	89.52	.05	.05
0328	1983	121	2	25	121.10069	85.83297	250.79097	2152280.	1562933.	440.	744.	864.	59.4	240.65	89.49	.06	.02
0329	1983	121	2	26	121.10139	85.83240	250.79822	2152246.	1562854.	406.	665.	779.	58.6	240.64	89.49	.05	.02
0330	1983	121	2	27	121.10208	85.83240	250.79822	2152246.	1562854.	407.	665.	780.	58.5	240.64	89.49	.05	.02
0331	1983	121	2	28	121.10278	85.83054	250.82978	2152073.	1562575.	235.	386.	451.	58.7	240.62	89.48	.03	.01
0332	1983	121	2	29	121.10347	85.82981	250.84682	2151969.	1562453.	132.	264.	295.	63.4	240.62	89.47	.03	.00
0333	1983	121	2	30	121.10417	85.83167	250.81530	2152142.	1562732.	305.	543.	623.	60.6	240.64	89.48	.05	.01
0334	1983	121	2	31	121.10486	85.82997	250.83701	2152038.	1562496.	203.	306.	367.	56.5	240.61	89.48	.02	.01
0335	1983	121	2	32	121.10556	85.83111	250.82254	2152107.	1562653.	272.	464.	538.	59.6	240.63	89.48	.04	.01
0336	1983	121	2	33	121.10625	85.83354	250.78371	2152315.	1563011.	481.	821.	952.	59.7	240.66	89.49	.07	.02
0337	1983	121	2	34	121.10694	85.83240	250.79822	2152246.	1562854.	412.	664.	781.	58.2	240.64	89.49	.05	.02
0338	1983	121	2	35	121.10764	85.82925	250.85404	2151935.	1562374.	102.	184.	210.	61.0	240.61	89.47	.02	.00
0339	1983	121	2	36	121.10833	85.82997	250.83701	2152038.	1562496.	206.	305.	368.	56.0	240.61	89.48	.02	.01
0340	1983	121	2	37	121.10903	85.83127	250.81272	2152176.	1562696.	345.	506.	612.	55.7	240.62	89.49	.03	.02
0341	1983	121	2	38	121.10972	85.83038	250.83959	2152004.	1562532.	173.	341.	382.	63.0	240.63	89.47	.04	.00
0342	1983	121	2	39	121.11042	85.82981	250.84682	2151969.	1562453.	139.	262.	297.	62.0	240.62	89.47	.03	.00
0343	1983	121	2	40	121.11111	85.82909	250.86384	2151866.	1562331.	37.	140.	145.	75.3	240.62	89.46	.03	-.00
0344	1983	121	2	41	121.11181	85.83038	250.83959	2152004.	1562532.	176.	340.	383.	62.7	240.63	89.47	.04	.01
0345	1983	121	2	42	121.11250	85.82981	250.84682	2151969.	1562453.	142.	261.	297.	61.5	240.62	89.47	.02	.01
0346	1983	121	2	43	121.11319	85.83370	250.77387	2152384.	1563054.	557.	863.	1027.	57.1	240.65	89.50	.05	.04
0347	1983	121	2	44	121.11389	85.82593	250.91941	2151556.	1561853.	-270.	-339.	433.	231.4	240.59	89.44	-.01	-.02
0348	1983	121	2	45	121.11458	85.82521	250.93636	2151452.	1561732.	-373.	-460.	592.	231.0	240.59	89.43	-.01	-.03
0349	1983	121	2	46	121.11528	85.82650	250.91223	2151590.	1561932.	-234.	-261.	351.	228.0	240.60	89.44	.00	-.02
0350	1983	121	2	47	121.11597	85.82537	250.92660	2151521.	1561775.	-302.	-418.	516.	234.1	240.58	89.44	-.02	-.02
0351	1983	121	2	48	121.11667	85.82464	250.94354	2151418.	1561654.	-405.	-539.	674.	233.1	240.58	89.43	-.02	-.03
0352	1983	121	2	49	121.11736	85.82852	250.87105	2151831.	1562253.	9.	60.	61.	81.4	240.61	89.46	.01	-.00
0353	1983	121	2	50	121.11806	85.83095	250.83236	2152038.	1562610.	217.	417.	470.	62.5	240.64	89.47	.04	.01
0354	1983	121	2	51	121.11875	85.82610	250.90964	2151625.	1561896.	-196.	-297.	356.	236.6	240.58	89.45	-.02	-.01
0355	1983	121	2	52	121.11944	85.82464	250.94354	2151418.	1561654.	-402.	-540.	673.	233.3	240.58	89.43	-.02	-.03
0356	1983	121	2	53	121.12014	85.82464	250.94354	2151418.	1561654.	-401.	-540.	673.	233.4	240.58	89.43	-.02	-.03
0357	1983	121	2	54	121.12083	85.82335	250.96762	2151281.	1561454.	-538.	-739.	914.	234.0	240.57	89.42	-.03	-.04
0358	1983	121	2	55	121.12153	85.82279	250.97478	2151246.	1561376.	-571.	-818.	998.	235.1	240.56	89.42	-.04	-.04

0359	1983	121	2	56	121.12222	85.82852	250.87105	2151831.	1562253.	14.	59.	60.	76.3	240.61	89.46	.01	-.00
0360	1983	121	2	57	121.12292	85.82723	250.89525	2151693.	1562053.	-123.	-142.	187.	229.0	240.60	89.45	.00	-.01
0361	1983	121	2	58	121.12361	85.82666	250.90245	2151659.	1561974.	-157.	-220.	270.	234.6	240.59	89.45	-.01	-.01
0362	1983	121	2	59	121.12431	85.82650	250.91223	2151590.	1561932.	-225.	-263.	346.	229.5	240.60	89.44	.00	-.02
0363	1983	121	3	0	121.12500	85.82263	250.98452	2151178.	1561333.	-636.	-862.	1071.	233.5	240.57	89.41	-.03	-.05
0364	1983	121	3	1	121.12569	85.82392	250.96046	2151315.	1561533.	-498.	-663.	829.	233.1	240.58	89.42	-.02	-.04
0365	1983	121	3	2	121.12639	85.82150	250.99881	2151109.	1561177.	-703.	-1018.	1238.	235.4	240.55	89.41	-.05	-.05
0366	1983	121	3	3	121.12708	85.82392	250.96046	2151315.	1561533.	-497.	-663.	828.	233.2	240.58	89.42	-.02	-.04
0367	1983	121	3	4	121.12778	85.82206	250.99167	2151143.	1561255.	-667.	-941.	1154.	234.6	240.56	89.41	-.04	-.05
0368	1983	121	3	5	121.12847	85.82133	251.00854	2151040.	1561134.	-770.	-1062.	1311.	234.1	240.56	89.40	-.04	-.06
0369	1983	121	3	6	121.12917	85.82133	251.00854	2151040.	1561134.	-769.	-1062.	1311.	234.1	240.56	89.40	-.04	-.06
0370	1983	121	3	7	121.12986	85.82279	250.97478	2151246.	1561376.	-562.	-821.	995.	235.6	240.56	89.42	-.04	-.04
0371	1983	121	3	8	121.13056	85.82206	250.99167	2151143.	1561255.	-664.	-942.	1153.	234.8	240.56	89.41	-.04	-.05
0372	1983	121	3	9	121.13125	85.82263	250.98452	2151178.	1561333.	-629.	-864.	1069.	233.9	240.57	89.41	-.03	-.05
0373	1983	121	3	10	121.13194	85.82335	250.96762	2151281.	1561454.	-525.	-743.	910.	234.8	240.57	89.42	-.03	-.04
0374	1983	121	3	11	121.13264	85.82319	250.97737	2151212.	1561412.	-593.	-786.	985.	233.0	240.58	89.41	-.02	-.05
0375	1983	121	3	12	121.13333	85.82723	250.89525	2151693.	1562053.	-111.	-145.	183.	232.6	240.60	89.45	-.00	-.01
0376	1983	121	3	13	121.13403	85.82650	250.91223	2151590.	1561932.	-213.	-267.	342.	231.3	240.60	89.44	-.00	-.02
0377	1983	121	3	14	121.13472	85.82836	250.88085	2151762.	1562210.	-40.	11.	42.	164.4	240.62	89.45	.02	-.01
0378	1983	121	3	15	121.13542	85.82893	250.87364	2151797.	1562289.	-5.	90.	90.	93.3	240.63	89.45	.02	-.01
0379	1983	121	3	16	121.13611	85.82577	250.92918	2151487.	1561810.	-314.	-389.	500.	231.0	240.60	89.43	-.01	-.03
0380	1983	121	3	17	121.13681	85.83224	250.80805	2152177.	1562811.	376.	611.	718.	58.4	240.65	89.48	.04	.02
0381	1983	121	3	18	121.13750	85.82408	250.95071	2151384.	1561575.	-416.	-624.	750.	236.3	240.57	89.43	-.04	-.03
0382	1983	121	3	19	121.13819	85.82723	250.89525	2151693.	1562053.	-105.	-147.	181.	234.4	240.60	89.45	-.01	-.01
0383	1983	121	3	20	121.13889	85.83070	250.81996	2152142.	1562617.	344.	417.	541.	50.5	240.61	89.49	.00	.03
0384	1983	121	3	21	121.13958	85.82909	250.86384	2151866.	1562331.	69.	131.	148.	62.3	240.62	89.46	.01	.00
0385	1983	121	3	22	121.14028	85.82852	250.87105	2151831.	1562253.	35.	52.	63.	56.0	240.61	89.46	.00	.00
0386	1983	121	3	23	121.14097	85.82909	250.86384	2151866.	1562331.	70.	130.	148.	61.7	240.62	89.46	.01	.00
0387	1983	121	3	24	121.14167	85.83038	250.83959	2152004.	1562532.	209.	330.	391.	57.7	240.63	89.47	.02	.01
0388	1983	121	3	25	121.14236	85.83499	250.74948	2152523.	1563255.	729.	1054.	1281.	55.3	240.66	89.51	.05	.05
0389	1983	121	3	26	121.14306	85.82941	250.84424	2152004.	1562417.	211.	215.	301.	45.6	240.60	89.48	-.01	.02
0390	1983	121	3	27	121.14375	85.83022	250.84940	2151935.	1562469.	142.	286.	320.	63.6	240.64	89.46	.03	.00
0391	1983	121	3	28	121.14444	85.83167	250.81530	2152142.	1562732.	350.	530.	635.	56.5	240.64	89.48	.03	.02
0392	1983	121	3	29	121.14514	85.83127	250.81272	2152176.	1562696.	386.	493.	626.	52.0	240.62	89.49	.01	.03
0393	1983	121	3	30	121.14583	85.83054	250.82978	2152073.	1562575.	283.	372.	467.	52.7	240.62	89.48	.01	.02
0394	1983	121	3	31	121.14653	85.83111	250.82254	2152107.	1562653.	318.	450.	551.	54.7	240.63	89.48	.02	.02
0395	1983	121	3	32	121.14722	85.83426	250.76660	2152419.	1563133.	630.	930.	1123.	55.9	240.66	89.50	.05	.04
0396	1983	121	3	33	121.14792	85.83038	250.83959	2152004.	1562532.	216.	328.	393.	56.6	240.63	89.47	.02	.01
0397	1983	121	3	34	121.14861	85.82925	250.85404	2151935.	1562374.	148.	170.	226.	49.0	240.61	89.47	-.00	.01
0398	1983	121	3	35	121.14931	85.83297	250.79097	2152280.	1562933.	494.	728.	880.	55.8	240.65	89.49	.04	.03
0399	1983	121	3	36	121.15000	85.82981	250.84682	2151969.	1562453.	184.	248.	309.	53.4	240.62	89.47	.01	.02
0400	1983	121	3	37	121.15069	85.82852	250.87105	2151831.	1562253.	47.	48.	67.	45.5	240.61	89.46	-.00	.01
0401	1983	121	3	38	121.15139	85.83297	250.79097	2152280.	1562933.	497.	727.	881.	55.7	240.65	89.49	.04	.04
0402	1983	121	3	39	121.15208	85.82981	250.84682	2151969.	1562453.	187.	248.	310.	53.0	240.62	89.47	.01	.02
0403	1983	121	3	40	121.15278	85.83151	250.82512	2152073.	1562689.	291.	483.	564.	58.9	240.65	89.47	.04	.02

0404	1983	121	3	41	121.15347	85.82593	250.91941	2151556.	1561853.	-225.	-353.	419.	237.4	240.59	89.44	-.02	-.01
0405	1983	121	3	42	121.15417	85.82707	250.90503	2151624.	1562010.	-156.	-196.	250.	231.6	240.61	89.44	-.00	-.01
0406	1983	121	3	43	121.15486	85.82836	250.88085	2151762.	1562210.	-17.	4.	17.	168.3	240.62	89.45	.01	-.00
0407	1983	121	3	44	121.15556	85.83022	250.84940	2151935.	1562489.	156.	282.	322.	61.0	240.64	89.46	.03	.01
0408	1983	121	3	45	121.15625	85.83095	250.83236	2152038.	1562610.	261.	403.	480.	57.1	240.64	89.47	.03	.02
0409	1983	121	3	46	121.15694	85.82634	250.92200	2151521.	1561889.	-256.	-318.	408.	231.2	240.61	89.43	-.00	-.02
0410	1983	121	3	47	121.15764	85.82593	250.91941	2151556.	1561853.	-220.	-354.	417.	238.1	240.59	89.44	-.03	-.01
0411	1983	121	3	48	121.15833	85.83151	250.82512	2152073.	1562689.	298.	481.	566.	58.3	240.65	89.47	.03	.02
0412	1983	121	3	49	121.15903	85.83224	250.80805	2152177.	1562811.	402.	603.	724.	56.3	240.65	89.48	.03	.03
0413	1983	121	3	50	121.15972	85.82634	250.92200	2151521.	1561889.	-253.	-319.	407.	231.7	240.61	89.43	-.01	-.02
0414	1983	121	3	51	121.16042	85.82965	250.85662	2151900.	1562410.	127.	201.	238.	57.7	240.63	89.46	.01	.01
0415	1983	121	3	52	121.16111	85.82707	250.90503	2151624.	1562010.	-148.	-199.	248.	233.4	240.61	89.44	-.01	-.01
0416	1983	121	3	53	121.16181	85.82763	250.89784	2151659.	1562089.	-112.	-121.	165.	227.0	240.62	89.44	.00	-.01
0417	1983	121	3	54	121.16250	85.83079	250.84217	2151969.	1562567.	199.	358.	409.	61.0	240.65	89.46	.03	.01
0418	1983	121	3	55	121.16319	85.83095	250.83236	2152038.	1562610.	269.	401.	482.	56.2	240.64	89.47	.02	.02
0419	1983	121	3	56	121.16389	85.82634	250.92200	2151521.	1561889.	-248.	-321.	405.	232.4	240.61	89.43	-.01	-.02
0420	1983	121	3	57	121.16458	85.82868	250.86126	2151900.	1562296.	132.	85.	157.	32.9	240.60	89.47	-.02	.02
0421	1983	121	3	58	121.16528	85.82852	250.87105	2151831.	1562253.	64.	42.	77.	33.5	240.61	89.46	-.01	.01
0422	1983	121	3	59	121.16597	85.82795	250.87826	2151797.	1562174.	30.	-36.	47.	309.7	240.60	89.46	-.02	.01
0423	1983	121	4	0	121.16667	85.82723	250.89525	2151693.	1562053.	-72.	-158.	174.	245.4	240.60	89.45	-.02	-.00
0424	1983	121	4	1	121.16736	85.82505	250.94612	2151384.	1561689.	-381.	-522.	646.	233.9	240.60	89.42	-.02	-.03
0425	1983	121	4	2	121.16806	85.82836	250.88085	2151762.	1562210.	-2.	-2.	2.	221.3	240.62	89.45	.00	-.00
0426	1983	121	4	3	121.16875	85.82779	250.88005	2151728.	1562131.	-35.	-80.	88.	246.2	240.61	89.45	-.01	.00
0427	1983	121	4	4	121.16944	85.82804	250.90042	2151624.	1562124.	-138.	-88.	164.	212.4	240.64	89.43	.02	-.02
0428	1983	121	4	5	121.17014	85.82691	250.91481	2151556.	1561967.	-206.	-245.	320.	229.9	240.62	89.43	-.00	-.02
0429	1983	121	4	6	121.17083	85.82763	250.89784	2151659.	1562089.	-102.	-124.	160.	230.6	240.62	89.44	-.00	-.01
0430	1983	121	4	7	121.17153	85.82836	250.88085	2151762.	1562210.	2.	-3.	4.	308.3	240.62	89.45	-.00	.00
0431	1983	121	4	8	121.17222	85.82747	250.90762	2151590.	1562046.	-169.	-167.	238.	224.7	240.63	89.43	.01	-.02
0432	1983	121	4	9	121.17292	85.82691	250.91481	2151556.	1561967.	-203.	-246.	319.	230.5	240.62	89.43	-.00	-.02
0433	1983	121	4	10	121.17361	85.82133	251.00854	2151040.	1561134.	-717.	-1079.	1296.	236.4	240.56	89.40	-.06	-.05
0434	1983	121	4	11	121.17431	85.82319	250.97737	2151212.	1561412.	-545.	-802.	970.	235.8	240.58	89.41	-.04	-.04
0435	1983	121	4	12	121.17500	85.82319	250.97737	2151212.	1561412.	-544.	-802.	970.	235.9	240.58	89.41	-.04	-.04
0436	1983	121	4	13	121.17569	85.82577	250.92918	2151487.	1561810.	-268.	-404.	485.	236.4	240.60	89.43	-.02	-.02
0437	1983	121	4	14	121.17639	85.82836	250.88085	2151762.	1562210.	8.	-5.	9.	329.0	240.62	89.45	-.00	.00
0438	1983	121	4	15	121.17708	85.82650	250.91223	2151590.	1561932.	-164.	-283.	327.	240.0	240.60	89.44	-.02	-.01
0439	1983	121	4	16	121.17778	85.83281	250.80080	2152211.	1562890.	458.	674.	815.	55.8	240.66	89.48	.04	.03
0440	1983	121	4	17	121.17847	85.82593	250.91941	2151556.	1561853.	-196.	-362.	412.	241.6	240.59	89.44	-.03	-.01
0441	1983	121	4	18	121.17917	85.83151	250.82512	2152073.	1562689.	322.	473.	572.	55.8	240.65	89.47	.02	.02
0442	1983	121	4	19	121.17986	85.82893	250.87364	2151797.	1562289.	46.	72.	86.	57.4	240.63	89.45	.00	.00
0443	1983	121	4	20	121.18056	85.82133	251.00854	2151040.	1561134.	-709.	-1082.	1294.	236.8	240.56	89.40	-.07	-.05
0444	1983	121	4	21	121.18125	85.82691	250.91481	2151556.	1561967.	-193.	-249.	315.	232.2	240.62	89.43	-.01	-.02
0445	1983	121	4	22	121.18194	85.83063	250.85198	2151900.	1562524.	152.	308.	343.	63.7	240.66	89.45	.03	.00
0446	1983	121	4	23	121.18264	85.82836	250.88085	2151762.	1562210.	15.	-7.	17.	334.8	240.62	89.45	-.01	.00
0447	1983	121	4	24	121.18333	85.82965	250.85662	2151900.	1562410.	154.	193.	247.	51.4	240.63	89.46	.00	.01
0448	1983	121	4	25	121.18403	85.82763	250.89784	2151659.	1562089.	-87.	-129.	155.	236.1	240.62	89.44	-.01	-.01

0449	1983	121	4	26	121.18472	85.83006	250.85920	2151866.	1562446.	121.	228.	258.	62.0	240.65	89.45	.02	.00
0450	1983	121	4	27	121.18542	85.82949	250.86642	2151831.	1562367.	87.	149.	173.	59.6	240.64	89.45	.01	.00
0451	1983	121	4	28	121.18611	85.82593	250.91941	2151556.	1561853.	-187.	-365.	411.	242.8	240.59	89.44	-.04	-.01
0452	1983	121	4	29	121.18681	85.82949	250.86642	2151831.	1562367.	89.	148.	173.	59.1	240.64	89.45	.01	.00
0453	1983	121	4	30	121.18750	85.82820	250.89064	2151693.	1562167.	-48.	-52.	71.	227.1	240.63	89.44	.00	-.01
0454	1983	121	4	31	121.18819	85.83670	250.72762	2152627.	1563492.	886.	1273.	1551.	55.2	240.69	89.51	.06	.07
0455	1983	121	4	32	121.18889	85.82707	250.90503	2151624.	1562010.	-115.	-209.	239.	241.1	240.61	89.44	-.02	-.00
0456	1983	121	4	33	121.18958	85.82448	250.95329	2151349.	1561611.	-390.	-609.	723.	237.4	240.59	89.42	-.04	-.02
0457	1983	121	4	34	121.19028	85.82763	250.89784	2151659.	1562089.	-79.	-131.	154.	238.9	240.62	89.44	-.01	-.00
0458	1983	121	4	35	121.19097	85.82763	250.89784	2151659.	1562089.	-79.	-132.	153.	239.2	240.62	89.44	-.01	-.00
0459	1983	121	4	36	121.19167	85.83167	250.81530	2152142.	1562732.	405.	511.	652.	51.6	240.64	89.48	.01	.04
0460	1983	121	4	37	121.19236	85.83224	250.80805	2152177.	1562811.	441.	590.	736.	53.2	240.65	89.48	.02	.04
0461	1983	121	4	38	121.19306	85.82836	250.88085	2151762.	1562210.	27.	-11.	29.	337.7	240.62	89.45	-.01	.01
0462	1983	121	4	39	121.19375	85.83079	250.84217	2151969.	1562567.	235.	346.	418.	55.8	240.65	89.46	.02	.02
0463	1983	121	4	40	121.19444	85.83265	250.81063	2152142.	1562847.	409.	625.	747.	56.8	240.67	89.47	.04	.03
0464	1983	121	4	41	121.19514	85.83297	250.79097	2152280.	1562933.	548.	711.	897.	52.4	240.65	89.49	.02	.05
0465	1983	121	4	42	121.19583	85.82779	250.88805	2151728.	1562131.	-4.	-91.	91.	267.5	240.61	89.45	-.02	.01
0466	1983	121	4	43	121.19653	85.82763	250.89784	2151659.	1562089.	-72.	-134.	152.	241.7	240.62	89.44	-.01	-.00
0467	1983	121	4	44	121.19722	85.82836	250.88085	2151762.	1562210.	32.	-13.	35.	338.3	240.62	89.45	-.01	.01
0468	1983	121	4	45	121.19792	85.82707	250.90503	2151624.	1562010.	-105.	-213.	237.	243.8	240.61	89.44	-.02	-.00
0469	1983	121	4	46	121.19861	85.82965	250.85662	2151900.	1562410.	172.	187.	254.	47.4	240.63	89.46	-.00	.02
0470	1983	121	4	47	121.19931	85.83167	250.81530	2152142.	1562732.	414.	508.	656.	50.8	240.64	89.48	.01	.04
0471	1983	121	4	48	121.20000	85.83151	250.82512	2152073.	1562689.	346.	465.	580.	53.4	240.65	89.47	.02	.03
0472	1983	121	4	49	121.20069	85.82723	250.89525	2151693.	1562053.	-33.	-171.	174.	259.2	240.60	89.45	-.03	.01
0473	1983	121	4	50	121.20139	85.83079	250.84217	2151969.	1562567.	244.	343.	421.	54.6	240.65	89.46	.01	.02
0474	1983	121	4	51	121.20208	85.82763	250.89784	2151659.	1562089.	-66.	-136.	151.	244.2	240.62	89.44	-.02	-.00
0475	1983	121	4	52	121.20278	85.83095	250.83236	2152038.	1562610.	315.	385.	497.	50.8	240.64	89.47	.00	.03
0476	1983	121	4	53	121.20347	85.82893	250.87364	2151797.	1562289.	74.	63.	97.	40.7	240.63	89.45	-.01	.01
0477	1983	121	4	54	121.20417	85.83022	250.84940	2151935.	1562489.	213.	263.	338.	51.1	240.64	89.46	.00	.02
0478	1983	121	4	55	121.20486	85.83095	250.83236	2152038.	1562610.	317.	385.	498.	50.5	240.64	89.47	.00	.03
0479	1983	121	4	56	121.20556	85.83022	250.84940	2151935.	1562489.	214.	263.	339.	50.8	240.64	89.46	.00	.02
0480	1983	121	4	57	121.20625	85.83022	250.84940	2151935.	1562489.	215.	262.	339.	50.7	240.64	89.46	.00	.02
0481	1983	121	4	58	121.20694	85.82893	250.87364	2151797.	1562289.	78.	62.	100.	38.6	240.63	89.45	-.01	.01
0482	1983	121	4	59	121.20764	85.83597	250.74477	2152523.	1563370.	805.	1143.	1398.	54.9	240.69	89.50	.05	.06
0483	1983	121	5	0	121.20833	85.83167	250.81530	2152142.	1562732.	425.	505.	660.	49.9	240.64	89.48	.00	.04
0484	1983	121	5	1	121.20903	85.83151	250.82512	2152073.	1562689.	356.	462.	583.	52.3	240.65	89.47	.01	.03
0485	1983	121	5	2	121.20972	85.82836	250.88085	2151762.	1562210.	47.	-18.	50.	339.4	240.62	89.45	-.02	.01
0486	1983	121	5	3	121.21042	85.83167	250.81530	2152142.	1562732.	427.	504.	661.	49.7	240.64	89.48	.00	.04
0487	1983	121	5	4	121.21111	85.83022	250.84940	2151935.	1562489.	221.	261.	341.	49.8	240.64	89.46	.00	.02
0488	1983	121	5	5	121.21181	85.82505	250.94612	2151384.	1561689.	-330.	-539.	632.	238.5	240.60	89.42	-.04	-.02
0489	1983	121	5	6	121.21250	85.82965	250.85662	2151900.	1562410.	188.	181.	261.	44.0	240.63	89.46	-.01	.02
0490	1983	121	5	7	121.21319	85.82893	250.87364	2151797.	1562289.	85.	60.	104.	35.1	240.63	89.45	-.01	.01
0491	1983	121	5	8	121.21389	85.83095	250.83236	2152038.	1562610.	327.	381.	502.	49.3	240.64	89.47	-.00	.03
0492	1983	121	5	9	121.21458	85.82909	250.86384	2151866.	1562331.	156.	102.	186.	33.2	240.62	89.46	-.02	.02
0493	1983	121	5	10	121.21528	85.83167	250.81530	2152142.	1562732.	433.	502.	663.	49.3	240.64	89.48	-.00	.04

0494	1983	121	5	11	121.21597	85.82965	250.85662	2151900.	1562410.	192.	180.	263.	43.2	240.63	89.46	-.01	.02
0495	1983	121	5	12	121.21667	85.83022	250.84940	2151935.	1562489.	227.	258.	344.	48.7	240.64	89.46	-.00	.02
0496	1983	121	5	13	121.21736	85.82650	250.91223	2151590.	1561932.	-117.	-299.	321.	248.7	240.60	89.44	-.04	.00
0497	1983	121	5	14	121.21806	85.83338	250.79355	2152246.	1562968.	540.	738.	914.	53.8	240.67	89.48	.03	.04
0498	1983	121	5	15	121.21875	85.83167	250.81530	2152142.	1562732.	437.	501.	665.	48.9	240.64	89.48	-.00	.04
0499	1983	121	5	16	121.21944	85.82876	250.88343	2151728.	1562246.	23.	14.	27.	31.7	240.64	89.44	-.00	.00
0500	1983	121	5	17	121.22014	85.82763	250.89784	2151659.	1562089.	-45.	-143.	150.	252.6	240.62	89.44	-.02	.00
0501	1983	121	5	18	121.22083	85.82408	250.95071	2151384.	1561575.	-319.	-656.	730.	244.1	240.57	89.43	-.07	-.01
0502	1983	121	5	19	121.22153	85.83508	250.77176	2152350.	1563205.	648.	973.	1169.	56.4	240.70	89.48	.06	.04
0503	1983	121	5	20	121.22222	85.83054	250.82978	2152073.	1562575.	372.	342.	505.	42.6	240.62	89.48	-.02	.04
0504	1983	121	5	21	121.22292	85.82981	250.84682	2151969.	1562453.	269.	220.	348.	39.3	240.62	89.47	-.03	.03
0505	1983	121	5	22	121.22361	85.82981	250.84682	2151969.	1562453.	270.	220.	348.	39.2	240.62	89.47	-.03	.03
0506	1983	121	5	23	121.22431	85.82763	250.89784	2151659.	1562089.	-40.	-145.	150.	254.6	240.62	89.44	-.03	.00
0507	1983	121	5	24	121.22500	85.82949	250.86642	2151831.	1562367.	133.	134.	189.	45.1	240.64	89.45	-.01	.01
0508	1983	121	5	25	121.22569	85.82392	250.96046	2151315.	1561533.	-382.	-701.	798.	241.4	240.58	89.42	-.07	-.01
0509	1983	121	5	26	121.22639	85.83451	250.77902	2152315.	1563126.	619.	892.	1086.	55.3	240.69	89.48	.04	.05
0510	1983	121	5	27	121.22708	85.82836	250.88085	2151762.	1562210.	67.	-24.	71.	340.1	240.62	89.45	-.03	.02
0511	1983	121	5	28	121.22778	85.82965	250.85662	2151900.	1562410.	205.	176.	270.	40.5	240.63	89.46	-.02	.03
0512	1983	121	5	29	121.22847	85.82448	250.95329	2151349.	1561611.	-345.	-624.	713.	241.1	240.59	89.42	-.06	-.01
0513	1983	121	5	30	121.22917	85.82763	250.89784	2151659.	1562089.	-34.	-146.	150.	256.8	240.62	89.44	-.03	.01
0514	1983	121	5	31	121.22986	85.82303	250.98711	2151143.	1561369.	-549.	-866.	1026.	237.6	240.59	89.40	-.06	-.03
0515	1983	121	5	32	121.23056	85.83338	250.79355	2152246.	1562968.	554.	733.	919.	52.9	240.67	89.48	.02	.05
0516	1983	121	5	33	121.23125	85.82448	250.95329	2151349.	1561611.	-341.	-625.	712.	241.3	240.59	89.42	-.06	-.01
0517	1983	121	5	34	121.23194	85.82763	250.89784	2151659.	1562089.	-31.	-147.	151.	258.1	240.62	89.44	-.03	.01
0518	1983	121	5	35	121.23264	85.83022	250.84940	2151935.	1562489.	246.	252.	352.	45.8	240.64	89.46	-.01	.03
0519	1983	121	5	36	121.23333	85.82836	250.88085	2151762.	1562210.	74.	-27.	79.	340.2	240.62	89.45	-.03	.02
0520	1983	121	5	37	121.23403	85.82448	250.95329	2151349.	1561611.	-338.	-626.	711.	241.6	240.59	89.42	-.06	-.01
0521	1983	121	5	38	121.23472	85.82691	250.91481	2151556.	1561967.	-131.	-270.	300.	244.1	240.62	89.43	-.03	-.00
0522	1983	121	5	39	121.23542	85.83208	250.81788	2152107.	1562768.	421.	530.	677.	51.5	240.66	89.47	.01	.04
0523	1983	121	5	40	121.23611	85.82779	250.88805	2151728.	1562131.	43.	-106.	115.	291.9	240.61	89.45	-.04	.02
0524	1983	121	5	41	121.23681	85.82376	250.97021	2151246.	1561490.	-438.	-748.	867.	239.6	240.59	89.41	-.06	-.02
0525	1983	121	5	42	121.23750	85.82464	250.94354	2151418.	1561654.	-265.	-585.	642.	245.6	240.58	89.43	-.07	-.00
0526	1983	121	5	43	121.23819	85.82893	250.87364	2151797.	1562289.	114.	50.	125.	23.7	240.63	89.45	-.02	.02
0527	1983	121	5	44	121.23889	85.82965	250.85662	2151900.	1562410.	218.	171.	278.	38.1	240.63	89.46	-.02	.03
0528	1983	121	5	45	121.23958	85.83451	250.77902	2152315.	1563126.	634.	887.	1090.	54.5	240.69	89.48	.04	.05
0529	1983	121	5	46	121.24028	85.83079	250.84217	2151969.	1562567.	289.	328.	437.	48.6	240.65	89.46	-.00	.03
0530	1983	121	5	47	121.24097	85.82691	250.91481	2151556.	1561967.	-124.	-272.	299.	245.5	240.62	89.43	-.03	-.00
0531	1983	121	5	48	121.24167	85.82820	250.89064	2151693.	1562167.	15.	-73.	74.	281.4	240.63	89.44	-.02	.01
0532	1983	121	5	49	121.24236	85.82691	250.91481	2151556.	1561967.	-122.	-273.	299.	245.9	240.62	89.43	-.03	-.00
0533	1983	121	5	50	121.24306	85.82691	250.91481	2151556.	1561967.	-121.	-273.	299.	246.0	240.62	89.43	-.03	-.00
0534	1983	121	5	51	121.24375	85.83022	250.84940	2151935.	1562489.	258.	248.	358.	43.8	240.64	89.46	-.01	.03
0535	1983	121	5	52	121.24444	85.82691	250.91481	2151556.	1561967.	-120.	-274.	299.	246.3	240.62	89.43	-.03	.00
0536	1983	121	5	53	121.24514	85.83079	250.84217	2151969.	1562567.	295.	326.	440.	47.9	240.65	89.46	-.01	.03
0537	1983	121	5	54	121.24583	85.82747	250.90762	2151590.	1562046.	-84.	-196.	213.	246.8	240.63	89.43	-.03	.00
0538	1983	121	5	55	121.24653	85.82860	250.89322	2151659.	1562203.	-14.	-39.	41.	249.9	240.65	89.43	-.01	.00

0539	1983	121	5	56	121.24722	85.83022	250.84940	2151935.	1562489.	263.	247.	360.	43.2	240.64	89.46	-.02	.03
0540	1983	121	5	57	121.24792	85.83322	250.80338	2152177.	1562925.	505.	683.	850.	53.5	240.68	89.47	.02	.04
0541	1983	121	5	58	121.24861	85.83435	250.78887	2152246.	1563083.	575.	841.	1019.	55.6	240.70	89.47	.04	.04
0542	1983	121	5	59	121.24931	85.83079	250.84217	2151969.	1562567.	299.	325.	442.	47.3	240.65	89.46	-.01	.03
0543	1983	121	6	0	121.25000	85.83119	250.84475	2151935.	1562603.	266.	360.	448.	53.6	240.67	89.45	.01	.02
0544	1983	121	6	1	121.25069	85.83322	250.80338	2152177.	1562925.	508.	682.	851.	53.3	240.68	89.47	.02	.04
0545	1983	121	6	2	121.25139	85.83305	250.81321	2152107.	1562882.	440.	639.	776.	55.4	240.69	89.46	.03	.03
0546	1983	121	6	3	121.25208	85.82876	250.88343	2151728.	1562246.	61.	2.	61.	1.6	240.64	89.44	-.02	.01
0547	1983	121	6	4	121.25278	85.83435	250.78887	2152246.	1563083.	580.	839.	1020.	55.3	240.70	89.47	.04	.04
0548	1983	121	6	5	121.25347	85.82949	250.86642	2151831.	1562367.	166.	123.	206.	36.4	240.64	89.45	-.02	.02
0549	1983	121	6	6	121.25417	85.83135	250.83494	2152004.	1562646.	340.	401.	526.	49.8	240.66	89.46	.00	.03
0550	1983	121	6	7	121.25486	85.82990	250.86901	2151797.	1562403.	133.	158.	206.	49.8	240.66	89.44	.00	.01
0551	1983	121	6	8	121.25556	85.83192	250.82770	2152038.	1562725.	376.	479.	609.	51.9	240.67	89.46	.01	.03
0552	1983	121	6	9	121.25625	85.83079	250.84217	2151969.	1562567.	307.	321.	445.	46.3	240.65	89.46	-.01	.03
0553	1983	121	6	10	121.25694	85.82602	250.94154	2151384.	1561803.	-278.	-443.	523.	237.9	240.63	89.41	-.03	-.02
0554	1983	121	6	11	121.25764	85.82820	250.89064	2151693.	1562167.	33.	-79.	86.	292.6	240.63	89.44	-.03	.01
0555	1983	121	6	12	121.25833	85.82747	250.90762	2151590.	1562046.	-70.	-201.	213.	250.9	240.63	89.43	-.03	.00
0556	1983	121	6	13	121.25903	85.82820	250.89064	2151693.	1562167.	35.	-80.	87.	293.4	240.63	89.44	-.03	.01
0557	1983	121	6	14	121.25972	85.82731	250.91740	2151521.	1562003.	-137.	-245.	280.	240.8	240.64	89.42	-.02	-.01
0558	1983	121	6	15	121.26042	85.82489	250.95588	2151315.	1561647.	-342.	-601.	692.	240.3	240.61	89.41	-.05	-.02
0559	1983	121	6	16	121.26111	85.83394	250.78629	2152280.	1563047.	624.	799.	1014.	52.0	240.68	89.48	.02	.05
0560	1983	121	6	17	121.26181	85.82763	250.89784	2151659.	1562089.	3.	-160.	160.	271.2	240.62	89.44	-.04	.01
0561	1983	121	6	18	121.26250	85.82489	250.95588	2151315.	1561647.	-340.	-602.	692.	240.6	240.61	89.41	-.05	-.02
0562	1983	121	6	19	121.26319	85.82990	250.86901	2151797.	1562403.	143.	154.	210.	47.1	240.66	89.44	-.00	.02
0563	1983	121	6	20	121.26389	85.82949	250.86642	2151831.	1562367.	178.	118.	213.	33.5	240.64	89.45	-.02	.03
0564	1983	121	6	21	121.26458	85.83192	250.82770	2152038.	1562725.	386.	475.	612.	50.9	240.67	89.46	.01	.04
0565	1983	121	6	22	121.26528	85.83322	250.80338	2152177.	1562925.	525.	675.	855.	52.1	240.68	89.47	.02	.05
0566	1983	121	6	23	121.26597	85.82602	250.94154	2151384.	1561803.	-267.	-447.	521.	239.1	240.63	89.41	-.04	-.01
0567	1983	121	6	24	121.26667	85.82933	250.87622	2151762.	1562324.	112.	73.	134.	33.2	240.65	89.44	-.02	.02
0568	1983	121	6	25	121.26736	85.82804	250.90042	2151624.	1562124.	-25.	-127.	129.	258.9	240.64	89.43	-.03	.01
0569	1983	121	6	26	121.26806	85.82876	250.88343	2151728.	1562246.	79.	-6.	80.	355.8	240.64	89.44	-.03	.02
0570	1983	121	6	27	121.26875	85.82674	250.92459	2151487.	1561925.	-161.	-327.	365.	243.8	240.63	89.42	-.04	-.00
0571	1983	121	6	28	121.26944	85.83176	250.83752	2151969.	1562682.	322.	430.	537.	53.1	240.68	89.45	.01	.03
0572	1983	121	6	29	121.27014	85.82561	250.93895	2151418.	1561768.	-228.	-485.	536.	244.8	240.61	89.42	-.06	-.00
0573	1983	121	6	30	121.27083	85.83192	250.82770	2152038.	1562725.	393.	472.	614.	50.2	240.67	89.46	.00	.04
0574	1983	121	6	31	121.27153	85.82489	250.95588	2151315.	1561647.	-330.	-607.	690.	241.5	240.61	89.41	-.06	-.01
0575	1983	121	6	32	121.27222	85.83249	250.82046	2152073.	1562804.	429.	550.	698.	52.0	240.68	89.46	.01	.04
0576	1983	121	6	33	121.27292	85.83063	250.85198	2151900.	1562524.	257.	271.	373.	46.5	240.66	89.45	-.01	.03
0577	1983	121	6	34	121.27361	85.82489	250.95588	2151315.	1561647.	-327.	-608.	690.	241.7	240.61	89.41	-.06	-.01
0578	1983	121	6	35	121.27431	85.83119	250.84475	2151935.	1562603.	293.	349.	456.	49.9	240.67	89.45	.00	.03
0579	1983	121	6	36	121.27500	85.82860	250.89322	2151659.	1562203.	18.	-52.	55.	289.4	240.65	89.43	-.02	.01
0580	1983	121	6	37	121.27569	85.82860	250.89322	2151659.	1562203.	19.	-52.	56.	290.0	240.65	89.43	-.02	.01
0581	1983	121	6	38	121.27639	85.83176	250.83752	2151969.	1562682.	330.	426.	539.	52.2	240.68	89.45	.01	.03
0582	1983	121	6	39	121.27708	85.82545	250.94871	2151349.	1561725.	-289.	-531.	604.	241.4	240.62	89.41	-.05	-.01
0583	1983	121	6	40	121.27778	85.83192	250.82770	2152038.	1562725.	401.	469.	617.	49.5	240.67	89.46	-.00	.04

0584	1983	121	6	41	121.27847	85.82658	250.93436	2151418.	1561882.	-219.	-375.	434.	239.7	240.64	89.41	-.03	-.01
0585	1983	121	6	42	121.27917	85.82472	250.96564	2151246.	1561604.	-390.	-653.	760.	239.2	240.62	89.40	-.05	-.02
0586	1983	121	6	43	121.27986	85.82456	250.97539	2151177.	1561561.	-458.	-696.	833.	236.7	240.63	89.39	-.04	-.03
0587	1983	121	6	44	121.28056	85.83119	250.84475	2151935.	1562603.	300.	346.	458.	49.0	240.67	89.45	-.00	.03
0588	1983	121	6	45	121.28125	85.82586	250.95130	2151315.	1561761.	-319.	-497.	591.	237.3	240.64	89.40	-.03	-.02
0589	1983	121	6	46	121.28194	85.82602	250.94154	2151384.	1561803.	-249.	-455.	519.	241.3	240.63	89.41	-.04	-.01
0590	1983	121	6	47	121.28264	85.82788	250.91021	2151556.	1562082.	-76.	-177.	193.	246.6	240.65	89.42	-.02	.00
0591	1983	121	6	48	121.28333	85.82456	250.97539	2151177.	1561561.	-454.	-697.	832.	236.9	240.63	89.39	-.04	-.03
0592	1983	121	6	49	121.28403	85.82860	250.89322	2151659.	1562203.	29.	-56.	63.	296.9	240.65	89.43	-.02	.01
0593	1983	121	6	50	121.28472	85.82917	250.88602	2151693.	1562281.	64.	22.	67.	19.1	240.66	89.43	-.01	.01
0594	1983	121	6	51	121.28542	85.82917	250.88602	2151693.	1562281.	65.	22.	68.	18.6	240.66	89.43	-.01	.01
0595	1983	121	6	52	121.28611	85.82586	250.95130	2151315.	1561761.	-313.	-499.	590.	237.9	240.64	89.40	-.03	-.02
0596	1983	121	6	53	121.28681	85.82788	250.91021	2151556.	1562082.	-72.	-179.	193.	248.2	240.65	89.42	-.02	.00
0597	1983	121	6	54	121.28750	85.82327	250.99944	2151040.	1561362.	-586.	-899.	1073.	236.9	240.62	89.38	-.06	-.04
0598	1983	121	6	55	121.28819	85.82327	250.99944	2151040.	1561362.	-586.	-899.	1073.	236.9	240.62	89.38	-.06	-.04
0599	1983	121	6	56	121.28889	85.82586	250.95130	2151315.	1561761.	-310.	-501.	589.	238.2	240.64	89.40	-.04	-.02
0600	1983	121	6	57	121.28958	85.82901	250.89581	2151624.	1562239.	0.	-23.	23.	270.8	240.67	89.42	-.01	.00
0601	1983	121	6	58	121.29028	85.82012	251.05454	2150732.	1560886.	-892.	-1376.	1640.	237.1	240.59	89.36	-.09	-.06
0602	1983	121	6	59	121.29097	85.82456	250.97539	2151177.	1561561.	-445.	-701.	831.	237.6	240.63	89.39	-.05	-.03
0603	1983	121	7	0	121.29167	85.82731	250.91740	2151521.	1562003.	-101.	-260.	278.	248.8	240.64	89.42	-.04	.00
0604	1983	121	7	1	121.29236	85.82974	250.87881	2151728.	1562360.	107.	97.	144.	42.2	240.67	89.43	-.01	.01
0605	1983	121	7	2	121.29306	85.82974	250.87881	2151728.	1562360.	108.	97.	145.	41.9	240.67	89.43	-.01	.01
0606	1983	121	7	3	121.29375	85.82456	250.97539	2151177.	1561561.	-442.	-702.	830.	237.8	240.63	89.39	-.05	-.03
0607	1983	121	7	4	121.29444	85.82917	250.88602	2151693.	1562281.	75.	17.	77.	13.1	240.66	89.43	-.02	.01
0608	1983	121	7	5	121.29514	85.82658	250.93436	2151418.	1561882.	-200.	-383.	432.	242.4	240.64	89.41	-.04	-.01
0609	1983	121	7	6	121.29583	85.82917	250.88602	2151693.	1562281.	76.	17.	78.	12.4	240.66	89.43	-.02	.01
0610	1983	121	7	7	121.29653	85.82545	250.94871	2151349.	1561725.	-267.	-540.	602.	243.7	240.62	89.41	-.06	-.01
0611	1983	121	7	8	121.29722	85.82844	250.90301	2151590.	1562160.	-25.	-105.	108.	256.4	240.66	89.42	-.02	.00
0612	1983	121	7	9	121.29792	85.82933	250.87622	2151762.	1562324.	148.	59.	159.	21.7	240.65	89.44	-.03	.02
0613	1983	121	7	10	121.29861	85.82788	250.91021	2151556.	1562082.	-58.	-184.	193.	252.5	240.65	89.42	-.03	.00
0614	1983	121	7	11	121.29931	85.82731	250.91740	2151521.	1562003.	-92.	-263.	279.	250.8	240.64	89.42	-.04	.00
0615	1983	121	7	12	121.30000	85.82731	250.91740	2151521.	1562003.	-91.	-264.	279.	250.9	240.64	89.42	-.04	.00
0616	1983	121	7	13	121.30069	85.83030	250.87159	2151762.	1562439.	151.	172.	229.	48.7	240.68	89.43	-.00	.02
0617	1983	121	7	14	121.30139	85.82844	250.90301	2151590.	1562160.	-21.	-107.	109.	259.1	240.66	89.42	-.02	.01
0618	1983	121	7	15	121.30208	85.82844	250.90301	2151590.	1562160.	-20.	-108.	109.	259.5	240.66	89.42	-.02	.01
0619	1983	121	7	16	121.30278	85.82327	250.99944	2151040.	1561362.	-569.	-906.	1070.	237.9	240.62	89.38	-.06	-.03
0620	1983	121	7	17	121.30347	85.82771	250.91999	2151487.	1562039.	-122.	-230.	260.	242.1	240.66	89.41	-.02	-.00
0621	1983	121	7	18	121.30417	85.82917	250.88602	2151693.	1562281.	86.	13.	87.	8.5	240.66	89.43	-.02	.02
0622	1983	121	7	19	121.30486	85.82788	250.91021	2151556.	1562082.	-51.	-187.	194.	254.7	240.65	89.42	-.03	.01
0623	1983	121	7	20	121.30556	85.83233	250.83028	2152004.	1562761.	398.	491.	632.	51.0	240.69	89.45	.01	.04
0624	1983	121	7	21	121.30625	85.82545	250.94871	2151349.	1561725.	-256.	-545.	602.	244.8	240.62	89.41	-.06	-.00
0625	1983	121	7	22	121.30694	85.83046	250.86179	2151831.	1562482.	227.	212.	310.	43.0	240.67	89.44	-.01	.03
0626	1983	121	7	23	121.30764	85.83103	250.85456	2151866.	1562560.	262.	290.	391.	47.9	240.68	89.44	-.00	.03
0627	1983	121	7	24	121.30833	85.82529	250.95847	2151280.	1561682.	-322.	-588.	671.	241.3	240.63	89.40	-.06	-.01
0628	1983	121	7	25	121.30903	85.82901	250.89581	2151624.	1562239.	22.	-32.	39.	304.8	240.67	89.42	-.02	.01

0629	1983	121	7	26	121.30972	85.82586	250.95130	2151315.	1561761.	-286.	-511.	585.	240.7	240.64	89.40	-.05	-.01
0630	1983	121	7	27	121.31042	85.82602	250.94154	2151384.	1561803.	-217.	-468.	516.	245.1	240.63	89.41	-.06	-.00
0631	1983	121	7	28	121.31111	85.82456	250.97539	2151177.	1561561.	-422.	-711.	827.	239.3	240.63	89.39	-.06	-.02
0632	1983	121	7	29	121.31181	85.82844	250.90301	2151590.	1562160.	-9.	-112.	112.	265.5	240.66	89.42	-.03	.01
0633	1983	121	7	30	121.31250	85.82844	250.90301	2151590.	1562160.	-8.	-112.	113.	265.9	240.66	89.42	-.03	.01
0634	1983	121	7	31	121.31319	85.82788	250.91021	2151556.	1562082.	-42.	-191.	196.	257.7	240.65	89.42	-.04	.01
0635	1983	121	7	32	121.31389	85.82715	250.92717	2151452.	1561960.	-144.	-313.	345.	245.3	240.65	89.41	-.04	-.00
0636	1983	121	7	33	121.31458	85.82715	250.92717	2151452.	1561960.	-143.	-313.	345.	245.4	240.65	89.41	-.04	-.00
0637	1983	121	7	34	121.31528	85.82529	250.95847	2151280.	1561682.	-314.	-592.	670.	242.0	240.63	89.40	-.06	-.01
0638	1983	121	7	35	121.31597	85.82456	250.97539	2151177.	1561561.	-417.	-713.	826.	239.7	240.63	89.39	-.06	-.02
0639	1983	121	7	36	121.31667	85.82642	250.94413	2151349.	1561839.	-244.	-435.	499.	240.7	240.65	89.40	-.04	-.01
0640	1983	121	7	37	121.31736	85.82788	250.91021	2151556.	1562082.	-37.	-193.	197.	259.2	240.65	89.42	-.04	.01
0641	1983	121	7	38	121.31806	85.83103	250.85456	2151866.	1562560.	274.	285.	395.	46.1	240.68	89.44	-.01	.03
0642	1983	121	7	39	121.31875	85.82917	250.88602	2151693.	1562281.	102.	6.	103.	3.3	240.66	89.43	-.03	.02
0643	1983	121	7	40	121.31944	85.82529	250.95847	2151280.	1561682.	-310.	-594.	669.	242.4	240.63	89.40	-.06	-.01
0644	1983	121	7	41	121.32014	85.82804	250.90042	2151624.	1562124.	35.	-152.	156.	283.0	240.64	89.43	-.05	.02
0645	1983	121	7	42	121.32083	85.82715	250.92717	2151452.	1561960.	-136.	-316.	344.	246.7	240.65	89.41	-.04	.00
0646	1983	121	7	43	121.32153	85.82642	250.94413	2151349.	1561839.	-239.	-438.	499.	241.4	240.65	89.40	-.04	-.01
0647	1983	121	7	44	121.32222	85.82771	250.91999	2151487.	1562039.	-100.	-238.	259.	247.2	240.66	89.41	-.03	.00
0648	1983	121	7	45	121.32292	85.82642	250.94413	2151349.	1561839.	-237.	-438.	498.	241.6	240.65	89.40	-.04	-.01
0649	1983	121	7	46	121.32361	85.82513	250.96823	2151212.	1561640.	-374.	-638.	740.	239.6	240.64	89.39	-.05	-.02
0650	1983	121	7	47	121.32431	85.82642	250.94413	2151349.	1561839.	-236.	-439.	498.	241.8	240.65	89.40	-.04	-.01
0651	1983	121	7	48	121.32500	85.83030	250.87159	2151762.	1562439.	178.	160.	240.	41.9	240.68	89.43	-.01	.02
0652	1983	121	7	49	121.32569	85.82529	250.95847	2151280.	1561682.	-303.	-596.	669.	243.1	240.63	89.40	-.06	-.01
0653	1983	121	7	50	121.32639	85.82844	250.90301	2151590.	1562160.	8.	-119.	119.	273.7	240.66	89.42	-.03	.01
0654	1983	121	7	51	121.32708	85.82715	250.92717	2151452.	1561960.	-129.	-319.	344.	248.0	240.65	89.41	-.04	.00
0655	1983	121	7	52	121.32778	85.82917	250.88602	2151693.	1562281.	113.	2.	113.	.9	240.66	89.43	-.03	.02
0656	1983	121	7	53	121.32847	85.82472	250.96564	2151246.	1561604.	-334.	-676.	754.	243.7	240.62	89.40	-.07	-.01
0657	1983	121	7	54	121.32917	85.83362	250.80596	2152142.	1562961.	563.	681.	883.	50.4	240.70	89.46	.01	.05
0658	1983	121	7	55	121.32986	85.83289	250.82304	2152038.	1562839.	460.	559.	724.	50.5	240.70	89.45	.00	.04
0659	1983	121	7	56	121.33056	85.82844	250.90301	2151590.	1562160.	12.	-121.	122.	275.9	240.66	89.42	-.04	.01
0660	1983	121	7	57	121.33125	85.82788	250.91021	2151556.	1562082.	-21.	-200.	201.	263.9	240.65	89.42	-.05	.01
0661	1983	121	7	58	121.33194	85.82844	250.90301	2151590.	1562160.	14.	-122.	122.	276.6	240.66	89.42	-.04	.01
0662	1983	121	7	59	121.33264	85.82715	250.92717	2151452.	1561960.	-123.	-322.	344.	249.1	240.65	89.41	-.05	.00
0663	1983	121	8	0	121.33333	85.82957	250.88860	2151659.	1562317.	84.	35.	91.	22.4	240.68	89.42	-.02	.01
0664	1983	121	8	1	121.33403	85.83030	250.87159	2151762.	1562439.	189.	156.	245.	39.6	240.68	89.43	-.02	.02
0665	1983	121	8	2	121.33472	85.82828	250.91280	2151521.	1562117.	-52.	-166.	174.	252.7	240.67	89.41	-.03	.00
0666	1983	121	8	3	121.33542	85.82642	250.94413	2151349.	1561839.	-223.	-444.	497.	243.4	240.65	89.40	-.05	-.01
0667	1983	121	8	4	121.33611	85.82715	250.92717	2151452.	1561960.	-119.	-323.	345.	249.8	240.65	89.41	-.05	.00
0668	1983	121	8	5	121.33681	85.82569	250.96106	2151246.	1561718.	-325.	-566.	652.	240.2	240.65	89.39	-.05	-.02
0669	1983	121	8	6	121.33750	85.82699	250.93695	2151383.	1561917.	-186.	-367.	411.	243.1	240.66	89.40	-.04	-.01
0670	1983	121	8	7	121.33819	85.82440	250.98514	2151108.	1561519.	-460.	-766.	894.	239.0	240.64	89.38	-.06	-.02
0671	1983	121	8	8	121.33889	85.82626	250.95389	2151280.	1561796.	-288.	-489.	567.	239.5	240.66	89.39	-.04	-.01
0672	1983	121	8	9	121.33958	85.82828	250.91280	2151521.	1562117.	-46.	-168.	174.	254.6	240.67	89.41	-.03	.01
0673	1983	121	8	10	121.34028	85.82885	250.90560	2151555.	1562196.	-11.	-90.	91.	263.0	240.68	89.41	-.02	.01

0674	1983	121	8	11	121.34097	85.82311	251.00918	2150971.	1561319.	-594.	-967.	1135.	238.4	240.63	89.37	-.07	-.03
0675	1983	121	8	12	121.34167	85.82384	250.99229	2151074.	1561440.	-491.	-846.	978.	239.9	240.63	89.38	-.07	-.02
0676	1983	121	8	13	121.34236	85.82626	250.95389	2151280.	1561796.	-284.	-490.	567.	239.9	240.66	89.39	-.04	-.01
0677	1983	121	8	14	121.34306	85.82755	250.92977	2151418.	1561996.	-146.	-291.	325.	243.4	240.67	89.40	-.03	-.00
0678	1983	121	8	15	121.34375	85.82626	250.95389	2151280.	1561796.	-282.	-491.	566.	240.1	240.66	89.39	-.04	-.01
0679	1983	121	8	16	121.34444	85.82569	250.96106	2151246.	1561718.	-316.	-570.	651.	241.0	240.65	89.39	-.05	-.01
0680	1983	121	8	17	121.34514	85.82626	250.95389	2151280.	1561796.	-281.	-492.	566.	240.3	240.66	89.39	-.04	-.01
0681	1983	121	8	18	121.34583	85.82755	250.92977	2151418.	1561996.	-142.	-292.	325.	244.0	240.67	89.40	-.03	-.00
0682	1983	121	8	19	121.34653	85.82828	250.91280	2151521.	1562117.	-38.	-171.	176.	257.4	240.67	89.41	-.03	.01
0683	1983	121	8	20	121.34722	85.82812	250.92258	2151452.	1562074.	-106.	-215.	239.	243.6	240.68	89.40	-.02	-.00
0684	1983	121	8	21	121.34792	85.82513	250.96823	2151212.	1561640.	-346.	-650.	736.	241.9	240.64	89.39	-.06	-.01
0685	1983	121	8	22	121.34861	85.82513	250.96823	2151212.	1561640.	-345.	-650.	736.	242.0	240.64	89.39	-.06	-.01
0686	1983	121	8	23	121.34931	85.82957	250.88860	2151659.	1562317.	103.	27.	106.	14.9	240.68	89.42	-.02	.02
0687	1983	121	8	24	121.35000	85.82901	250.89581	2151624.	1562239.	69.	-52.	86.	323.2	240.67	89.42	-.03	.02
0688	1983	121	8	25	121.35069	85.82569	250.96106	2151246.	1561718.	-309.	-573.	651.	241.7	240.65	89.39	-.06	-.01
0689	1983	121	8	26	121.35139	85.82828	250.91280	2151521.	1562117.	-33.	-174.	177.	259.3	240.67	89.41	-.04	.01
0690	1983	121	8	27	121.35208	85.82755	250.92977	2151418.	1561996.	-135.	-295.	325.	245.4	240.67	89.40	-.04	-.00
0691	1983	121	8	28	121.35278	85.82626	250.95389	2151280.	1561796.	-272.	-495.	565.	241.2	240.66	89.39	-.05	-.01
0692	1983	121	8	29	121.35347	85.82828	250.91280	2151521.	1562117.	-30.	-175.	177.	260.1	240.67	89.41	-.04	.01
0693	1983	121	8	30	121.35417	85.82699	250.93695	2151383.	1561917.	-167.	-375.	410.	245.9	240.66	89.40	-.05	-.00
0694	1983	121	8	31	121.35486	85.82812	250.92258	2151452.	1562074.	-98.	-218.	239.	245.9	240.68	89.40	-.03	-.00
0695	1983	121	8	32	121.35556	85.82626	250.95389	2151280.	1561796.	-269.	-497.	565.	241.6	240.66	89.39	-.05	-.01
0696	1983	121	8	33	121.35625	85.82755	250.92977	2151418.	1561996.	-131.	-297.	325.	246.3	240.67	89.40	-.04	-.00
0697	1983	121	8	34	121.35694	85.82626	250.95389	2151280.	1561796.	-267.	-497.	565.	241.7	240.66	89.39	-.05	-.01
0698	1983	121	8	35	121.35764	85.81908	251.09076	2150492.	1560681.	-1055.	-1613.	1928.	236.8	240.61	89.33	-.10	-.07
0699	1983	121	8	36	121.35833	85.82885	250.90560	2151555.	1562196.	9.	-98.	99.	275.5	240.68	89.41	-.03	.01
0700	1983	121	8	37	121.35903	85.82626	250.95389	2151280.	1561796.	-265.	-498.	564.	242.0	240.66	89.39	-.05	-.01
0701	1983	121	8	38	121.35972	85.82739	250.93954	2151349.	1561953.	-195.	-342.	394.	240.2	240.68	89.39	-.03	-.01
0702	1983	121	8	39	121.36042	85.83330	250.82563	2152004.	1562875.	460.	580.	740.	51.6	240.72	89.44	.01	.04
0703	1983	121	8	40	121.36111	85.82481	250.98773	2151074.	1561554.	-469.	-741.	877.	237.7	240.66	89.37	-.05	-.03
0704	1983	121	8	41	121.36181	85.82755	250.92977	2151418.	1561996.	-124.	-300.	325.	247.5	240.67	89.40	-.04	.00
0705	1983	121	8	42	121.36250	85.82812	250.92258	2151452.	1562074.	-89.	-222.	239.	248.1	240.68	89.40	-.03	.00
0706	1983	121	8	43	121.36319	85.82941	250.89840	2151590.	1562274.	49.	-22.	54.	335.8	240.69	89.41	-.02	.01
0707	1983	121	8	44	121.36389	85.82626	250.95389	2151280.	1561796.	-259.	-500.	564.	242.6	240.66	89.39	-.05	-.01
0708	1983	121	8	45	121.36458	85.83184	250.85974	2151797.	1562632.	258.	335.	422.	52.4	240.72	89.42	.01	.02
0709	1983	121	8	46	121.36528	85.82885	250.90560	2151555.	1562196.	17.	-102.	103.	279.7	240.68	89.41	-.03	.01
0710	1983	121	8	47	121.36597	85.82885	250.90560	2151555.	1562196.	18.	-102.	104.	280.1	240.68	89.41	-.03	.01
0711	1983	121	8	48	121.36667	85.82941	250.89840	2151590.	1562274.	53.	-24.	58.	336.0	240.69	89.41	-.02	.01
0712	1983	121	8	49	121.36736	85.82424	250.99489	2151040.	1561476.	-496.	-823.	960.	238.9	240.65	89.37	-.06	-.03
0713	1983	121	8	50	121.36806	85.82424	250.99489	2151040.	1561476.	-495.	-823.	960.	239.0	240.65	89.37	-.06	-.03
0714	1983	121	8	51	121.36875	85.82683	250.94672	2151315.	1561875.	-220.	-424.	478.	242.6	240.67	89.39	-.04	-.01
0715	1983	121	8	52	121.36944	85.82869	250.91539	2151486.	1562153.	-47.	-147.	154.	252.3	240.69	89.40	-.02	.00
0716	1983	121	8	53	121.37014	85.82384	250.99229	2151074.	1561440.	-458.	-859.	974.	241.9	240.63	89.38	-.08	-.02
0717	1983	121	8	54	121.37083	85.83646	250.76964	2152315.	1563356.	783.	1056.	1315.	53.4	240.75	89.46	.04	.06
0718	1983	121	8	55	121.37153	85.82683	250.94672	2151315.	1561875.	-216.	-426.	478.	243.1	240.67	89.39	-.05	-.01

0719	1983	121	8	56	121.37222	85.82626	250.95389	2151280.	1561796.	-250.	-504.	563.	243.6	240.66	89.39	-.06	-.01
0720	1983	121	8	57	121.37292	85.83071	250.87418	2151728.	1562474.	198.	173.	263.	41.2	240.70	89.42	-.02	.02
0721	1983	121	8	58	121.37361	85.82957	250.88860	2151659.	1562317.	130.	16.	131.	6.9	240.68	89.42	-.04	.02
0722	1983	121	8	59	121.37431	85.82812	250.92258	2151452.	1562074.	-76.	-227.	240.	251.6	240.68	89.40	-.04	.00
0723	1983	121	9	0	121.37500	85.82481	250.98773	2151074.	1561554.	-453.	-748.	874.	238.8	240.66	89.37	-.06	-.03
0724	1983	121	9	1	121.37569	85.82626	250.95389	2151280.	1561796.	-246.	-506.	563.	244.1	240.66	89.39	-.06	-.00
0725	1983	121	9	2	121.37639	85.82739	250.93954	2151349.	1561953.	-176.	-350.	392.	243.2	240.68	89.39	-.04	-.00
0726	1983	121	9	3	121.37708	85.82626	250.95389	2151280.	1561796.	-244.	-507.	563.	244.3	240.66	89.39	-.06	-.00
0727	1983	121	9	4	121.37778	85.82481	250.98773	2151074.	1561554.	-450.	-749.	874.	239.0	240.66	89.37	-.06	-.02
0728	1983	121	9	5	121.37847	85.83055	250.88398	2151659.	1562431.	136.	128.	186.	43.2	240.71	89.41	-.01	.02
0729	1983	121	9	6	121.37917	85.82626	250.95389	2151280.	1561796.	-242.	-508.	563.	244.5	240.66	89.39	-.06	-.00
0730	1983	121	9	7	121.37986	85.83014	250.88139	2151693.	1562396.	172.	91.	195.	27.9	240.69	89.42	-.03	.03
0731	1983	121	9	8	121.38056	85.83127	250.86696	2151762.	1562553.	242.	248.	346.	45.7	240.71	89.42	-.01	.03
0732	1983	121	9	9	121.38125	85.82925	250.90819	2151521.	1562231.	1.	-74.	74.	271.0	240.70	89.40	-.02	.01
0733	1983	121	9	10	121.38194	85.83144	250.85715	2151831.	1562596.	312.	290.	426.	42.9	240.70	89.43	-.02	.04
0734	1983	121	9	11	121.38264	85.82683	250.94672	2151315.	1561875.	-203.	-431.	477.	244.8	240.67	89.39	-.05	-.00
0735	1983	121	9	12	121.38333	85.83014	250.88139	2151693.	1562396.	176.	89.	198.	26.9	240.69	89.42	-.03	.03
0736	1983	121	9	13	121.38403	85.82828	250.91280	2151521.	1562117.	5.	-190.	190.	271.4	240.67	89.41	-.05	.02
0737	1983	121	9	14	121.38472	85.82885	250.90560	2151555.	1562196.	40.	-111.	118.	289.8	240.68	89.41	-.04	.02
0738	1983	121	9	15	121.38542	85.83144	250.85715	2151831.	1562596.	317.	288.	428.	42.3	240.70	89.43	-.02	.04
0739	1983	121	9	16	121.38611	85.82610	250.96366	2151211.	1561754.	-302.	-554.	631.	241.4	240.67	89.38	-.05	-.01
0740	1983	121	9	17	121.38681	85.82610	250.96366	2151211.	1561754.	-302.	-555.	631.	241.5	240.67	89.38	-.05	-.01
0741	1983	121	9	18	121.38750	85.82739	250.93954	2151349.	1561953.	-163.	-355.	391.	245.3	240.68	89.39	-.04	-.00
0742	1983	121	9	19	121.38819	85.83371	250.82821	2151969.	1562911.	458.	602.	756.	52.7	240.74	89.43	.02	.04
0743	1983	121	9	20	121.38889	85.82796	250.93236	2151383.	1562032.	-127.	-278.	306.	245.4	240.69	89.39	-.03	-.00
0744	1983	121	9	21	121.38958	85.82626	250.95389	2151280.	1561796.	-229.	-513.	562.	245.9	240.66	89.39	-.06	-.00
0745	1983	121	9	22	121.39028	85.82222	251.03578	2150800.	1561156.	-709.	-1154.	1355.	238.4	240.64	89.35	-.08	-.04
0746	1983	121	9	23	121.39097	85.82998	250.89119	2151624.	1562353.	116.	42.	124.	20.0	240.70	89.41	-.02	.02
0747	1983	121	9	24	121.39167	85.82925	250.90819	2151521.	1562231.	14.	-79.	81.	279.8	240.70	89.40	-.03	.01
0748	1983	121	9	25	121.39236	85.82941	250.89840	2151590.	1562274.	84.	-37.	91.	336.2	240.69	89.41	-.04	.02
0749	1983	121	9	26	121.39306	85.82998	250.89119	2151624.	1562353.	119.	41.	126.	19.2	240.70	89.41	-.03	.02
0750	1983	121	9	27	121.39375	85.82812	250.92258	2151452.	1562074.	-53.	-238.	243.	257.5	240.68	89.40	-.05	.01
0751	1983	121	9	28	121.39444	85.82982	250.90099	2151555.	1562310.	51.	-2.	52.	357.4	240.71	89.40	-.02	.01
0752	1983	121	9	29	121.39514	85.83314	250.83545	2151935.	1562832.	432.	519.	675.	50.3	240.73	89.43	.00	.04
0753	1983	121	9	30	121.39583	85.82869	250.91539	2151486.	1562153.	-16.	-160.	161.	264.4	240.69	89.40	-.04	.01
0754	1983	121	9	31	121.39653	85.82553	250.97082	2151177.	1561675.	-324.	-638.	716.	243.1	240.66	89.38	-.07	-.01
0755	1983	121	9	32	121.39722	85.82351	251.01177	2150937.	1561355.	-564.	-959.	1112.	239.5	240.65	89.36	-.08	-.03
0756	1983	121	9	33	121.39792	85.83055	250.88398	2151659.	1562431.	159.	117.	198.	36.4	240.71	89.41	-.02	.02
0757	1983	121	9	34	121.39861	85.83241	250.85251	2151831.	1562710.	332.	396.	517.	50.0	240.73	89.42	.00	.03
0758	1983	121	9	35	121.39931	85.83095	250.88657	2151624.	1562467.	126.	152.	198.	50.4	240.73	89.40	.00	.01
0759	1983	121	9	36	121.40000	85.82723	250.94931	2151280.	1561910.	-217.	-405.	459.	241.8	240.69	89.38	-.04	-.01
0760	1983	121	9	37	121.40069	85.82909	250.91798	2151452.	1562189.	-44.	-127.	135.	250.7	240.71	89.39	-.02	.00
0761	1983	121	9	38	121.40139	85.82666	250.95649	2151246.	1561832.	-250.	-484.	545.	242.7	240.68	89.38	-.05	-.01
0762	1983	121	9	39	121.40208	85.83371	250.82821	2151969.	1562911.	475.	595.	761.	51.4	240.74	89.43	.01	.04
0763	1983	121	9	40	121.40278	85.82869	250.91539	2151486.	1562153.	-7.	-164.	164.	267.4	240.69	89.40	-.04	.01

0764	1983	121	9	41	121.40347	85.82723	250.94931	2151280.	1561910.	-213.	-407.	459.	242.4	240.69	89.38	-.04	-.01
0765	1983	121	9	42	121.40417	85.83039	250.89378	2151590.	1562389.	98.	71.	121.	36.1	240.72	89.40	-.01	.01
0766	1983	121	9	43	121.40486	85.82537	250.98058	2151108.	1561632.	-383.	-665.	785.	240.8	240.67	89.37	-.06	-.02
0767	1983	121	9	44	121.40556	85.82909	250.91798	2151452.	1562189.	-39.	-130.	135.	253.4	240.71	89.39	-.02	.00
0768	1983	121	9	45	121.40625	85.82723	250.94931	2151280.	1561910.	-210.	-408.	459.	242.8	240.69	89.38	-.04	-.01
0769	1983	121	9	46	121.40694	85.83298	250.84528	2151866.	1562789.	377.	470.	603.	51.3	240.74	89.42	.01	.03
0770	1983	121	9	47	121.40764	85.82780	250.94213	2151314.	1561989.	-174.	-330.	373.	242.3	240.70	89.38	-.03	-.01
0771	1983	121	9	48	121.40833	85.82909	250.91798	2151452.	1562189.	-35.	-131.	136.	254.9	240.71	89.39	-.02	.00
0772	1983	121	9	49	121.40903	85.83371	250.82821	2151969.	1562911.	483.	591.	763.	50.7	240.74	89.43	.01	.04
0773	1983	121	9	50	121.40972	85.83111	250.87677	2151693.	1562510.	208.	190.	281.	42.4	240.72	89.41	-.01	.02
0774	1983	121	9	51	121.41042	85.83427	250.82097	2152004.	1562990.	519.	669.	847.	52.2	240.75	89.43	.02	.05
0775	1983	121	9	52	121.41111	85.83168	250.86955	2151728.	1562589.	244.	268.	362.	47.7	240.73	89.41	-.00	.03
0776	1983	121	9	53	121.41181	85.82982	250.90099	2151555.	1562310.	72.	-11.	73.	351.0	240.71	89.40	-.03	.02
0777	1983	121	9	54	121.41250	85.82925	250.90819	2151521.	1562231.	39.	-90.	98.	293.1	240.70	89.40	-.04	.02
0778	1983	121	9	55	121.41319	85.82796	250.93236	2151383.	1562032.	-98.	-291.	307.	251.3	240.69	89.39	-.05	.01
0779	1983	121	9	56	121.41389	85.83314	250.83545	2151935.	1562832.	454.	510.	683.	48.3	240.73	89.43	-.01	.05
0780	1983	121	9	57	121.41458	85.82723	250.94931	2151280.	1561910.	-200.	-413.	458.	244.2	240.69	89.38	-.05	-.00
0781	1983	121	9	58	121.41528	85.82852	250.92517	2151418.	1562110.	-61.	-213.	222.	253.9	240.70	89.39	-.04	.01
0782	1983	121	9	59	121.41597	85.83241	250.85251	2151831.	1562710.	353.	387.	524.	47.6	240.73	89.42	-.01	.04
0783	1983	121	10	0	121.41667	85.83411	250.83080	2151935.	1562947.	457.	623.	773.	53.7	240.76	89.42	.02	.04
0784	1983	121	10	1	121.41736	85.83371	250.82821	2151969.	1562911.	493.	587.	766.	50.0	240.74	89.43	.00	.05
0785	1983	121	10	2	121.41806	85.83168	250.86955	2151728.	1562589.	252.	264.	365.	46.3	240.73	89.41	-.01	.03
0786	1983	121	10	3	121.41875	85.83152	250.87936	2151659.	1562546.	184.	221.	287.	50.2	240.74	89.40	.00	.02
0787	1983	121	10	4	121.41944	85.82780	250.94213	2151314.	1561989.	-160.	-337.	373.	244.6	240.70	89.38	-.04	-.00
0788	1983	121	10	5	121.42014	85.82723	250.94931	2151280.	1561910.	-193.	-416.	458.	245.1	240.69	89.38	-.05	-.00
0789	1983	121	10	6	121.42083	85.82893	250.92776	2151383.	1562146.	-89.	-181.	201.	243.7	240.72	89.38	-.02	-.00
0790	1983	121	10	7	121.42153	85.83039	250.89378	2151590.	1562389.	118.	62.	133.	27.7	240.72	89.40	-.02	.02
0791	1983	121	10	8	121.42222	85.83152	250.87936	2151659.	1562546.	188.	219.	288.	49.3	240.74	89.40	-.00	.02
0792	1983	121	10	9	121.42292	85.83225	250.86233	2151762.	1562667.	292.	340.	448.	49.3	240.74	89.41	-.00	.03
0793	1983	121	10	10	121.42361	85.83168	250.86955	2151728.	1562589.	259.	261.	367.	45.3	240.73	89.41	-.01	.03
0794	1983	121	10	11	121.42431	85.83152	250.87936	2151659.	1562546.	190.	218.	289.	48.8	240.74	89.40	-.00	.02
0795	1983	121	10	12	121.42500	85.82634	250.97601	2151108.	1561746.	-359.	-582.	684.	238.3	240.70	89.36	-.04	-.02
0796	1983	121	10	13	121.42569	85.82966	250.91078	2151486.	1562267.	20.	-62.	65.	287.8	240.72	89.39	-.02	.01
0797	1983	121	10	14	121.42639	85.83039	250.89378	2151590.	1562389.	124.	59.	137.	25.6	240.72	89.40	-.02	.02
0798	1983	121	10	15	121.42708	85.82893	250.92776	2151383.	1562146.	-82.	-184.	201.	246.0	240.72	89.38	-.02	-.00
0799	1983	121	10	16	121.42778	85.82966	250.91078	2151486.	1562267.	22.	-63.	67.	289.5	240.72	89.39	-.02	.01
0800	1983	121	10	17	121.42847	85.83152	250.87936	2151659.	1562546.	195.	216.	291.	47.8	240.74	89.40	-.00	.02
0801	1983	121	10	18	121.42917	85.82966	250.91078	2151486.	1562267.	24.	-64.	68.	290.7	240.72	89.39	-.02	.01
0802	1983	121	10	19	121.42986	85.83022	250.90358	2151521.	1562346.	59.	15.	61.	13.9	240.73	89.39	-.01	.01
0803	1983	121	10	20	121.43056	85.83581	250.80905	2152038.	1563183.	578.	852.	1029.	55.9	240.79	89.42	.05	.04
0804	1983	121	10	21	121.43125	85.82820	250.94473	2151280.	1562024.	-180.	-307.	356.	239.6	240.72	89.37	-.03	-.01
0805	1983	121	10	22	121.43194	85.83265	250.86492	2151728.	1562703.	268.	371.	458.	54.1	240.76	89.40	.01	.02
0806	1983	121	10	23	121.43264	85.83338	250.84787	2151831.	1562825.	373.	492.	618.	52.9	240.76	89.41	.01	.03
0807	1983	121	10	24	121.43333	85.83468	250.82356	2151969.	1563025.	512.	693.	861.	53.5	240.77	89.42	.02	.04
0808	1983	121	10	25	121.43403	85.83395	250.84063	2151866.	1562904.	409.	570.	702.	54.4	240.77	89.41	.02	.03

0809	1983	121	10	26	121.43472	85.83152	250.87936	2151659.	1562546.	203.	212.	294.	46.3	240.74	89.40	-.01	.02
0810	1983	121	10	27	121.43542	85.83265	250.86492	2151728.	1562703.	273.	369.	459.	53.6	240.76	89.40	.01	.02
0811	1983	121	10	28	121.43611	85.83022	250.90358	2151521.	1562346.	67.	11.	68.	9.7	240.73	89.39	-.02	.01
0812	1983	121	10	29	121.43681	85.82763	250.95191	2151246.	1561946.	-208.	-389.	441.	241.9	240.71	89.37	-.04	-.01
0813	1983	121	10	30	121.43750	85.83322	250.85769	2151762.	1562782.	310.	447.	544.	55.3	240.77	89.40	.02	.02
0814	1983	121	10	31	121.43819	85.83322	250.85769	2151762.	1562782.	310.	446.	544.	55.2	240.77	89.40	.02	.02
0815	1983	121	10	32	121.43889	85.83322	250.85769	2151762.	1562782.	311.	446.	544.	55.1	240.77	89.40	.02	.02
0816	1983	121	10	33	121.43958	85.83249	250.87473	2151659.	1562660.	209.	324.	385.	57.2	240.77	89.39	.02	.01
0817	1983	121	10	34	121.44028	85.82804	250.95451	2151211.	1561982.	-238.	-355.	427.	236.1	240.73	89.36	-.02	-.02
0818	1983	121	10	35	121.44097	85.83006	250.91338	2151452.	1562303.	3.	-34.	34.	275.8	240.74	89.38	-.01	.00
0819	1983	121	10	36	121.44167	85.83581	250.80905	2152038.	1563183.	591.	846.	1032.	55.1	240.79	89.42	.04	.04
0820	1983	121	10	37	121.44236	85.83525	250.81631	2152004.	1563104.	557.	767.	948.	54.0	240.78	89.42	.03	.04
0821	1983	121	10	38	121.44306	85.83022	250.90358	2151521.	1562346.	75.	8.	75.	5.9	240.73	89.39	-.02	.01
0822	1983	121	10	39	121.44375	85.83006	250.91338	2151452.	1562303.	7.	-36.	36.	280.8	240.74	89.38	-.01	.00
0823	1983	121	10	40	121.44444	85.83209	250.87214	2151693.	1562624.	249.	286.	379.	49.0	240.75	89.40	-.00	.02
0824	1983	121	10	41	121.44514	85.83598	250.79920	2152108.	1563226.	664.	887.	1108.	53.2	240.78	89.43	.03	.05
0825	1983	121	10	42	121.44583	85.83525	250.81631	2152004.	1563104.	561.	765.	949.	53.7	240.78	89.42	.03	.05
0826	1983	121	10	43	121.44653	85.83209	250.87214	2151693.	1562624.	251.	285.	380.	48.6	240.75	89.40	-.00	.03
0827	1983	121	10	44	121.44722	85.83079	250.89638	2151555.	1562424.	114.	84.	142.	36.3	240.74	89.39	-.01	.02
0828	1983	121	10	45	121.44792	85.82545	251.00268	2150936.	1561583.	-504.	-758.	910.	236.4	240.71	89.34	-.04	-.03
0829	1983	121	10	46	121.44861	85.83209	250.87214	2151693.	1562624.	254.	284.	381.	48.2	240.75	89.40	-.00	.03
0830	1983	121	10	47	121.44931	85.83136	250.88917	2151590.	1562503.	151.	162.	221.	46.9	240.75	89.39	-.00	.02
0831	1983	121	10	48	121.45000	85.83192	250.88195	2151624.	1562581.	186.	240.	304.	52.1	240.76	89.39	.01	.02
0832	1983	121	10	49	121.45069	85.83136	250.88917	2151590.	1562503.	153.	161.	222.	46.5	240.75	89.39	-.00	.02
0833	1983	121	10	50	121.45139	85.83209	250.87214	2151693.	1562624.	257.	282.	382.	47.7	240.75	89.40	-.01	.03
0834	1983	121	10	51	121.45208	85.83079	250.89638	2151555.	1562424.	120.	82.	145.	34.2	240.74	89.39	-.02	.02
0835	1983	121	10	52	121.45278	85.82893	250.92776	2151383.	1562146.	-51.	-197.	204.	255.5	240.72	89.38	-.04	.01
0836	1983	121	10	53	121.45347	85.83338	250.84787	2151831.	1562825.	398.	481.	624.	50.4	240.76	89.41	.00	.04
0837	1983	121	10	54	121.45417	85.83152	250.87936	2151659.	1562546.	226.	202.	303.	41.8	240.74	89.40	-.02	.03
0838	1983	121	10	55	121.45486	85.83395	250.84063	2151866.	1562904.	434.	559.	708.	52.2	240.77	89.41	.01	.04
0839	1983	121	10	56	121.45556	85.83209	250.87214	2151693.	1562624.	262.	280.	383.	46.9	240.75	89.40	-.01	.03
0840	1983	121	10	57	121.45625	85.83379	250.85046	2151797.	1562861.	366.	516.	633.	54.6	240.78	89.40	.02	.03
0841	1983	121	10	58	121.45694	85.82990	250.92317	2151383.	1562260.	-46.	-85.	97.	241.5	240.75	89.37	-.01	-.00
0842	1983	121	10	59	121.45764	85.83120	250.89897	2151521.	1562460.	92.	114.	147.	51.1	240.76	89.38	.00	.01
0843	1983	121	11	0	121.45833	85.81851	251.04417	2150869.	1560744.	-558.	-1602.	1697.	250.8	240.51	89.40	-.25	.03
0844	1983	121	11	1	121.45903	85.83492	250.83598	2151866.	1563018.	439.	672.	802.	56.9	240.80	89.40	.04	.03
0845	1983	121	11	2	121.45972	85.83233	250.88455	2151590.	1562617.	163.	270.	316.	58.8	240.78	89.38	.02	.01
0846	1983	121	11	3	121.46042	85.83290	250.87733	2151624.	1562696.	199.	349.	401.	60.3	240.79	89.38	.03	.01
0847	1983	121	11	4	121.46111	85.83346	250.87011	2151658.	1562775.	234.	427.	487.	61.3	240.80	89.38	.04	.01
0848	1983	121	11	5	121.46181	85.83346	250.87011	2151658.	1562775.	235.	427.	487.	61.2	240.80	89.38	.04	.01
0849	1983	121	11	6	121.46250	85.83476	250.84582	2151796.	1562975.	374.	627.	730.	59.2	240.81	89.39	.05	.02
0850	1983	121	11	7	121.46319	85.83160	250.90157	2151486.	1562496.	64.	147.	160.	66.4	240.78	89.37	.02	-.00
0851	1983	121	11	8	121.46389	85.83330	250.87992	2151589.	1562732.	168.	383.	418.	66.3	240.81	89.37	.05	.00
0852	1983	121	11	9	121.46458	85.83217	250.89436	2151521.	1562574.	100.	225.	246.	66.0	240.79	89.37	.03	.00
0853	1983	121	11	10	121.46528	85.83306	250.86751	2151693.	1562739.	274.	389.	476.	54.9	240.78	89.39	.02	.02

0854	1983	121	11	11	121.46597	65.83233	250.88455	2151590.	1562617.	171.	267.	317.	57.4	240.78	89.38	.02	.01
0855	1983	121	11	12	121.46667	65.83120	250.89897	2151521.	1562460.	103.	109.	150.	46.8	240.76	89.38	-.00	.01
0856	1983	121	11	13	121.46736	65.83363	250.86028	2151727.	1562818.	311.	467.	561.	56.4	240.79	89.39	.03	.02
0857	1983	121	11	14	121.46806	65.83622	250.81164	2152004.	1563219.	588.	868.	1048.	55.9	240.81	89.41	.05	.04
0858	1983	121	11	15	121.46875	65.83192	250.88195	2151624.	1562581.	209.	230.	311.	47.8	240.76	89.39	-.00	.02
0859	1983	121	11	16	121.46944	65.83452	250.83339	2151900.	1562982.	486.	631.	796.	52.4	240.78	89.41	.02	.04
0860	1983	121	11	17	121.47014	65.83120	250.89897	2151521.	1562460.	107.	108.	152.	45.2	240.76	89.38	-.00	.01
0861	1983	121	11	18	121.47083	65.83306	250.86751	2151693.	1562739.	280.	386.	477.	54.0	240.78	89.39	.01	.02
0862	1983	121	11	19	121.47153	65.83436	250.84322	2151831.	1562939.	419.	586.	721.	54.4	240.79	89.40	.02	.03
0863	1983	121	11	20	121.47222	65.83363	250.86028	2151727.	1562818.	316.	464.	562.	55.7	240.79	89.39	.02	.02
0864	1983	121	11	21	121.47292	65.83290	250.87733	2151624.	1562696.	214.	342.	403.	58.0	240.79	89.38	.02	.01
0865	1983	121	11	22	121.47361	65.83476	250.84582	2151796.	1562975.	387.	621.	732.	58.1	240.81	89.39	.04	.02
0866	1983	121	11	23	121.47431	65.83144	250.91137	2151417.	1562453.	9.	98.	99.	85.0	240.79	89.36	.02	-.01
0867	1983	121	11	24	121.47500	65.83346	250.87011	2151658.	1562775.	251.	420.	489.	59.2	240.80	89.38	.03	.01
0868	1983	121	11	25	121.47569	65.82941	250.95253	2151176.	1562131.	-231.	-224.	322.	224.1	240.78	89.34	.01	-.03
0869	1983	121	11	26	121.47639	65.83663	250.81423	2151969.	1563255.	563.	899.	1061.	57.9	240.83	89.40	.06	.03
0870	1983	121	11	27	121.47708	65.83517	250.84841	2151762.	1563011.	357.	655.	746.	61.4	240.83	89.38	.06	.01
0871	1983	121	11	28	121.47778	65.83573	250.84117	2151796.	1563090.	392.	733.	831.	61.9	240.84	89.38	.07	.01
0872	1983	121	11	29	121.47847	65.83460	250.85565	2151727.	1562932.	324.	575.	660.	60.6	240.82	89.38	.05	.01
0873	1983	121	11	30	121.47917	65.82998	250.94534	2151211.	1562210.	-192.	-147.	242.	217.5	240.79	89.34	.02	-.03
0874	1983	121	11	31	121.47986	65.83460	250.85565	2151727.	1562932.	325.	575.	660.	60.5	240.82	89.38	.05	.01
0875	1983	121	11	32	121.48056	65.83533	250.83858	2151831.	1563054.	430.	696.	818.	58.3	240.82	89.39	.05	.02
0876	1983	121	11	33	121.48125	65.83703	250.81683	2151935.	1563290.	534.	932.	1075.	60.2	240.85	89.39	.08	.03
0877	1983	121	11	34	121.48194	65.83533	250.83858	2151831.	1563054.	431.	695.	818.	58.2	240.82	89.39	.05	.03
0878	1983	121	11	35	121.48264	65.83330	250.87992	2151589.	1562732.	191.	373.	419.	62.9	240.81	89.37	.04	.01
0879	1983	121	11	36	121.48333	65.82925	250.96231	2151107.	1562088.	-290.	-271.	397.	223.0	240.79	89.33	.02	-.03
0880	1983	121	11	37	121.48403	65.83200	250.90416	2151452.	1562531.	54.	172.	180.	72.4	240.80	89.36	.03	-.00
0881	1983	121	11	38	121.48472	65.83014	250.93556	2151279.	1562253.	-117.	-107.	159.	222.6	240.78	89.35	.01	-.01
0882	1983	121	11	39	121.48542	65.83533	250.83858	2151831.	1563054.	436.	694.	819.	57.9	240.82	89.39	.05	.03
0883	1983	121	11	40	121.48611	65.83346	250.87011	2151658.	1562775.	264.	414.	491.	57.5	240.80	89.38	.03	.02
0884	1983	121	11	41	121.48681	65.83273	250.88714	2151555.	1562653.	161.	292.	333.	61.1	240.80	89.37	.03	.01
0885	1983	121	11	42	121.48750	65.83217	250.89436	2151521.	1562574.	128.	213.	248.	59.0	240.79	89.37	.02	.01
0886	1983	121	11	43	121.48819	65.82885	250.95970	2151142.	1562053.	-250.	-309.	398.	231.0	240.77	89.34	-.00	-.02
0887	1983	121	11	44	121.48889	65.83314	250.88974	2151520.	1562689.	129.	326.	351.	68.4	240.82	89.36	.05	-.00
0888	1983	121	11	45	121.48958	65.83241	250.90676	2151417.	1562567.	27.	204.	206.	82.6	240.82	89.35	.05	-.01
0889	1983	121	11	46	121.49028	65.83168	250.92377	2151314.	1562445.	-76.	82.	112.	132.7	240.82	89.34	.05	-.02
0890	1983	121	11	47	121.49097	65.83444	250.86548	2151658.	1562869.	270.	526.	591.	62.9	240.83	89.37	.05	.01
0891	1983	121	11	48	121.49167	65.83184	250.91397	2151383.	1562488.	-5.	125.	125.	92.5	240.81	89.35	.03	-.01
0892	1983	121	11	49	121.49236	65.82982	250.95513	2151142.	1562167.	-245.	-197.	315.	218.8	240.80	89.33	.02	-.03
0893	1983	121	11	50	121.49306	65.83281	250.90937	2151382.	1562603.	-4.	238.	238.	90.9	240.84	89.34	.06	-.02
0894	1983	121	11	51	121.49375	65.83095	250.94076	2151210.	1562324.	-175.	-41.	180.	193.1	240.82	89.33	.04	-.03
0895	1983	121	11	52	121.49444	65.84523	250.61771	2153149.	1564681.	1764.	2316.	2911.	52.7	240.84	89.51	.06	.15
0896	1983	121	11	53	121.49514	65.85207	250.47392	2153987.	1565783.	2603.	3417.	4296.	52.7	240.87	89.58	.09	.22
0897	1983	121	11	54	121.49583	65.83119	250.95316	2151107.	1562317.	-276.	-49.	280.	190.1	240.85	89.31	.07	-.05
0898	1983	121	11	55	121.49653	65.82933	250.98447	2150935.	1562038.	-447.	-328.	554.	216.3	240.83	89.30	.05	-.06

0899	1983	121	11	56	121.49722	85.83435	250.89755	2151417.	1562796.	35.	429.	430.	85.3	240.88	89.33	.10	-.03
0900	1983	121	11	57	121.49792	85.82577	251.03713	2150661.	1561525.	-719.	-841.	1107.	229.5	240.78	89.29	.00	-.07
0901	1983	121	11	58	121.49861	85.83192	250.93617	2151210.	1562438.	-170.	71.	184.	157.4	240.85	89.32	.07	-.04
0902	1983	121	11	59	121.49931	85.83079	250.95055	2151141.	1562281.	-237.	-87.	253.	200.1	240.83	89.32	.05	-.04
0903	1983	121	12	0	121.50000	85.83119	250.95316	2151107.	1562317.	-271.	-51.	276.	190.8	240.85	89.31	.07	-.05
0904	1983	121	12	1	121.50069	85.82803	251.00856	2150798.	1561839.	-579.	-530.	784.	222.5	240.82	89.29	.04	-.07
0905	1983	121	12	2	121.50139	85.82860	251.00140	2150832.	1561917.	-543.	-452.	706.	219.8	240.83	89.29	.05	-.07
0906	1983	121	12	3	121.50208	85.82561	251.04688	2150592.	1561483.	-781.	-886.	1181.	228.6	240.79	89.28	.01	-.08
0907	1983	121	12	4	121.50278	85.82860	251.00140	2150832.	1561917.	-540.	-452.	704.	219.9	240.83	89.29	.05	-.07
0908	1983	121	12	5	121.50347	85.82601	251.04949	2150558.	1561518.	-813.	-851.	1177.	226.3	240.81	89.27	.03	-.09
0909	1983	121	12	6	121.50417	85.83063	250.96034	2151073.	1562238.	-297.	-132.	325.	203.9	240.84	89.31	.06	-.05
0910	1983	121	12	7	121.50486	85.82730	251.02546	2150695.	1561717.	-673.	-653.	937.	224.1	240.82	89.28	.04	-.08
0911	1983	121	12	8	121.50556	85.83006	250.96752	2151038.	1562160.	-328.	-211.	390.	212.7	240.83	89.31	.05	-.05
0912	1983	121	12	9	121.50625	85.82674	251.03261	2150661.	1561639.	-704.	-731.	1015.	226.1	240.81	89.28	.03	-.08
0913	1983	121	12	10	121.50694	85.82318	251.08509	2150387.	1561127.	-976.	-1243.	1581.	231.9	240.76	89.27	-.03	-.09
0914	1983	121	12	11	121.50764	85.83046	250.97012	2151004.	1562195.	-358.	-176.	399.	206.2	240.85	89.30	.06	-.06
0915	1983	121	12	12	121.50833	85.82860	251.00140	2150832.	1561917.	-528.	-455.	697.	220.7	240.83	89.29	.04	-.07
0916	1983	121	12	13	121.50903	85.82747	251.01571	2150764.	1561760.	-595.	-612.	853.	225.8	240.81	89.29	.02	-.07
0917	1983	121	12	14	121.50972	85.83119	250.95316	2151107.	1562317.	-251.	-56.	257.	192.5	240.85	89.31	.06	-.05
0918	1983	121	12	15	121.51042	85.82803	251.00856	2150798.	1561839.	-558.	-534.	772.	223.7	240.82	89.29	.03	-.06
0919	1983	121	12	16	121.51111	85.83322	250.91197	2151348.	1562638.	-7.	265.	266.	91.5	240.86	89.33	.07	-.02
0920	1983	121	12	17	121.51181	85.82957	250.99685	2150832.	1562031.	-521.	-342.	624.	213.3	240.86	89.28	.07	-.07
0921	1983	121	12	18	121.51250	85.83046	250.97012	2151004.	1562195.	-348.	-178.	391.	207.1	240.85	89.30	.06	-.05
0922	1983	121	12	19	121.51319	85.83046	250.97012	2151004.	1562195.	-347.	-178.	390.	207.3	240.85	89.30	.06	-.05
0923	1983	121	12	20	121.51389	85.83419	250.90736	2151348.	1562752.	-1.	379.	379.	90.2	240.89	89.32	.10	-.03
0924	1983	121	12	21	121.51458	85.82787	251.01832	2150729.	1561796.	-618.	-578.	847.	223.1	240.83	89.28	.04	-.07
0925	1983	121	12	22	121.51528	85.83289	250.93158	2151210.	1562552.	-136.	178.	224.	127.4	240.88	89.31	.09	-.04
0926	1983	121	12	23	121.51597	85.83176	250.94597	2151141.	1562395.	-203.	20.	204.	174.3	240.86	89.31	.07	-.04
0927	1983	121	12	24	121.51667	85.83046	250.97012	2151004.	1562195.	-339.	-180.	384.	207.9	240.85	89.30	.06	-.05
0928	1983	121	12	25	121.51736	85.83192	250.93617	2151210.	1562438.	-131.	63.	146.	154.5	240.85	89.32	.06	-.03
0929	1983	121	12	26	121.51806	85.82990	250.97730	2150969.	1562117.	-371.	-259.	452.	215.0	240.84	89.30	.05	-.05
0930	1983	121	12	27	121.51875	85.83306	250.92178	2151279.	1562595.	-60.	219.	227.	105.2	240.87	89.32	.08	-.03
0931	1983	121	12	28	121.51944	85.83030	250.97991	2150935.	1562152.	-402.	-224.	460.	209.1	240.86	89.29	.07	-.06
0932	1983	121	13	39	121.56875	85.83687	250.82668	2151865.	1563247.	632.	850.	1059.	53.4	240.86	89.38	.03	.05
0933	1983	121	13	40	121.56944	85.83728	250.82927	2151831.	1563283.	599.	886.	1069.	55.9	240.88	89.37	.05	.04
0934	1983	121	13	41	121.57014	85.83581	250.86344	2151624.	1563039.	393.	641.	752.	58.5	240.88	89.35	.05	.02
0935	1983	121	13	42	121.57083	85.83573	250.84117	2151796.	1563090.	567.	692.	895.	50.6	240.84	89.38	.01	.05
0936	1983	121	13	43	121.57153	85.83874	250.79504	2152038.	1563527.	811.	1129.	1390.	54.3	240.88	89.39	.05	.06
0937	1983	121	13	44	121.57222	85.82779	250.99618	2150901.	1561846.	-325.	-553.	641.	239.6	240.79	89.31	-.04	-.02
0938	1983	121	13	45	121.57292	85.83168	250.92377	2151314.	1562445.	89.	46.	100.	27.5	240.82	89.34	-.02	.01
0939	1983	121	13	46	121.57361	85.83298	250.89955	2151451.	1562646.	228.	246.	336.	47.2	240.83	89.35	-.01	.02
0940	1983	121	13	47	121.57431	85.83687	250.82668	2151865.	1563247.	644.	848.	1065.	52.8	240.86	89.38	.02	.05
0941	1983	121	13	48	121.57500	85.83152	250.93357	2151245.	1562402.	25.	3.	25.	6.0	240.83	89.33	-.01	.00
0942	1983	121	13	49	121.57569	85.83468	250.87790	2151555.	1562882.	336.	482.	587.	55.1	240.86	89.35	.02	.02
0943	1983	121	13	50	121.57639	85.82852	250.97925	2151004.	1561967.	-213.	-433.	483.	243.8	240.79	89.32	-.05	-.00

0944	1983	121	13	51	121.57708	85.83541	250.86084	2151658.	1563003.	442.	603.	748.	53.7	240.86	89.36	.02	.04
0945	1983	121	13	52	121.57778	85.83281	250.90937	2151382.	1562603.	168.	202.	262.	50.2	240.84	89.34	.00	.02
0946	1983	121	13	53	121.57847	85.83354	250.89234	2151486.	1562724.	273.	323.	423.	49.8	240.84	89.35	.00	.03
0947	1983	121	13	54	121.57917	85.83541	250.86084	2151658.	1563003.	447.	602.	750.	53.4	240.86	89.36	.02	.04
0948	1983	121	13	55	121.57986	85.83168	250.92377	2151314.	1562445.	104.	43.	112.	22.7	240.82	89.34	-.02	.02
0949	1983	121	13	56	121.58056	85.83095	250.94076	2151210.	1562324.	2.	-78.	78.	271.3	240.82	89.33	-.02	.01
0950	1983	121	13	57	121.58125	85.83111	250.93097	2151279.	1562367.	72.	-36.	81.	333.7	240.81	89.34	-.03	.02
0951	1983	121	13	58	121.58194	85.82998	250.94534	2151211.	1562210.	5.	-193.	193.	271.5	240.79	89.34	-.05	.02
0952	1983	121	13	59	121.58264	85.83038	250.94795	2151176.	1562245.	-28.	-158.	160.	259.9	240.81	89.33	-.03	.01
0953	1983	121	14	0	121.58333	85.83298	250.89955	2151451.	1562646.	249.	242.	347.	44.2	240.83	89.35	-.01	.03
0954	1983	121	14	1	121.58403	85.82965	250.96491	2151073.	1562124.	-128.	-200.	308.	245.3	240.81	89.32	-.03	-.00
0955	1983	121	14	2	121.58472	85.82852	250.97925	2151004.	1561967.	-195.	-437.	479.	245.9	240.79	89.32	-.05	-.00
0956	1983	121	14	3	121.58542	85.83022	250.95773	2151107.	1562202.	-91.	-202.	221.	245.7	240.82	89.32	-.02	-.00
0957	1983	121	14	4	121.58611	85.82820	250.99879	2150867.	1561881.	-330.	-523.	619.	237.7	240.81	89.30	-.04	-.02
0958	1983	121	14	5	121.58681	85.82520	251.04427	2150627.	1561447.	-568.	-958.	1114.	239.3	240.77	89.29	-.08	-.03
0959	1983	121	14	6	121.58750	85.83079	250.95055	2151141.	1562281.	-52.	-124.	135.	247.1	240.83	89.32	-.02	.00
0960	1983	121	14	7	121.58819	85.82949	250.97469	2151004.	1562081.	-168.	-324.	375.	239.8	240.82	89.31	-.03	-.01
0961	1983	121	14	8	121.58889	85.83338	250.90216	2151417.	1562681.	226.	275.	356.	50.7	240.85	89.34	.00	.02
0962	1983	121	14	9	121.58958	85.83152	250.93357	2151245.	1562402.	55.	-4.	55.	356.3	240.83	89.33	-.02	.01
0963	1983	121	14	10	121.59028	85.82820	250.99879	2150867.	1561881.	-321.	-525.	615.	238.5	240.81	89.30	-.04	-.02
0964	1983	121	14	11	121.59097	85.83152	250.93357	2151245.	1562402.	58.	-4.	58.	355.9	240.83	89.33	-.02	.01
0965	1983	121	14	12	121.59167	85.83379	250.90476	2151382.	1562717.	197.	310.	367.	57.6	240.87	89.33	.02	.01
0966	1983	121	14	13	121.59236	85.82876	250.99163	2150901.	1561960.	-283.	-447.	529.	237.7	240.82	89.30	-.03	-.02
0967	1983	121	14	14	121.59306	85.83152	250.93357	2151245.	1562402.	62.	-5.	63.	355.3	240.83	89.33	-.02	.01
0968	1983	121	14	15	121.59375	85.83079	250.95055	2151141.	1562281.	-39.	-127.	133.	252.8	240.83	89.32	-.02	.00
0969	1983	121	14	16	121.59444	85.83192	250.93617	2151210.	1562438.	31.	30.	43.	44.2	240.85	89.32	-.00	.00
0970	1983	121	14	17	121.59514	85.82472	251.07348	2150421.	1561319.	-757.	-1089.	1326.	235.2	240.80	89.26	-.05	-.06
0971	1983	121	14	18	121.59583	85.83038	250.94795	2151176.	1562245.	-0.	-163.	163.	269.9	240.81	89.33	-.04	.01
0972	1983	121	14	19	121.59653	85.82690	251.02285	2150729.	1561682.	-445.	-727.	853.	238.5	240.80	89.29	-.05	-.03
0973	1983	121	14	20	121.59722	85.82617	251.03974	2150627.	1561561.	-547.	-848.	1009.	237.2	240.80	89.28	-.05	-.04
0974	1983	121	14	21	121.59792	85.82424	251.04879	2150627.	1561334.	-545.	-1076.	1206.	243.1	240.74	89.30	-.11	-.01
0975	1983	121	14	22	121.59861	85.82747	251.01571	2150764.	1561760.	-407.	-650.	766.	237.9	240.81	89.29	-.04	-.02
0976	1983	121	14	23	121.59931	85.83322	250.91197	2151348.	1562638.	179.	228.	290.	51.9	240.86	89.33	.00	.02
0977	1983	121	14	24	121.60000	85.82674	251.03261	2150661.	1561639.	-507.	-771.	923.	236.7	240.81	89.28	-.05	-.03
0978	1983	121	14	25	121.60069	85.82674	251.03261	2150661.	1561639.	-505.	-771.	922.	236.8	240.81	89.28	-.05	-.03
0979	1983	121	14	26	121.60139	85.82730	251.02546	2150695.	1561717.	-470.	-693.	838.	235.9	240.82	89.28	-.04	-.03
0980	1983	121	14	27	121.60208	85.82803	251.00856	2150798.	1561839.	-365.	-573.	679.	237.5	240.82	89.29	-.04	-.02
0981	1983	121	14	28	121.60278	85.82949	250.97469	2151004.	1562081.	-158.	-331.	366.	244.5	240.82	89.31	-.04	-.00
0982	1983	121	14	29	121.60347	85.82933	250.98447	2150935.	1562038.	-225.	-374.	436.	238.9	240.83	89.30	-.03	-.01
0983	1983	121	14	30	121.60417	85.82730	251.02546	2150695.	1561717.	-464.	-695.	835.	236.3	240.82	89.28	-.04	-.03
0984	1983	121	14	31	121.60486	85.82917	250.99424	2150866.	1561955.	-291.	-417.	509.	235.1	240.84	89.29	-.02	-.02
0985	1983	121	14	32	121.60556	85.82488	251.06374	2150490.	1561362.	-666.	-1051.	1244.	237.6	240.79	89.27	-.07	-.04
0986	1983	121	14	33	121.60625	85.82674	251.03261	2150661.	1561639.	-494.	-774.	918.	237.5	240.81	89.28	-.05	-.03
0987	1983	121	14	34	121.60694	85.82990	250.97730	2150969.	1562117.	-184.	-297.	349.	238.3	240.84	89.30	-.02	-.01
0988	1983	121	14	35	121.60764	85.82803	251.00856	2150798.	1561839.	-354.	-575.	675.	238.4	240.82	89.29	-.04	-.02

0989	1983	121	14	36	121.60833	85.82342	251.09743	2150284.	1561120.	-866.	-1294.	1557.	236.2	240.79	89.25	-.07	-.06
0990	1983	121	14	37	121.60903	85.82730	251.02546	2150695.	1561717.	-454.	-697.	831.	236.9	240.82	89.28	-.04	-.03
0991	1983	121	14	38	121.60972	85.83046	250.97012	2151004.	1562195.	-143.	-219.	262.	236.8	240.85	89.30	-.01	-.01
0992	1983	121	14	39	121.61042	85.82973	250.98708	2150901.	1562074.	-245.	-341.	420.	234.3	240.85	89.29	-.01	-.02
0993	1983	121	14	40	121.61111	85.83046	250.97012	2151004.	1562195.	-141.	-220.	261.	237.4	240.85	89.30	-.01	-.01
0994	1983	121	14	41	121.61181	85.82730	251.02546	2150695.	1561717.	-448.	-698.	829.	237.3	240.82	89.28	-.04	-.03
0995	1983	121	14	42	121.61250	85.82917	250.99424	2150866.	1561995.	-275.	-420.	502.	236.8	240.84	89.29	-.03	-.02
0996	1983	121	14	43	121.61319	85.83160	250.95576	2151072.	1562352.	-68.	-64.	93.	223.4	240.87	89.30	.00	-.01
0997	1983	121	14	44	121.61389	85.82844	251.01117	2150763.	1561874.	-375.	-542.	659.	235.3	240.84	89.28	-.03	-.03
0998	1983	121	14	45	121.61458	85.81576	251.20874	2149706.	1560023.	-1431.	-2394.	2789.	239.1	240.68	89.23	-.19	-.08
0999	1983	121	14	46	121.61528	85.82876	250.99163	2150901.	1561960.	-235.	-457.	514.	242.8	240.82	89.30	-.05	-.01
1000	1983	121	14	47	121.61597	85.82827	251.02093	2150695.	1561831.	-439.	-586.	732.	233.1	240.85	89.27	-.02	-.04
1001	1983	121	14	48	121.61667	85.82844	251.01117	2150763.	1561874.	-369.	-543.	657.	235.8	240.84	89.28	-.03	-.03
1002	1983	121	14	49	121.61736	85.83070	250.98252	2150900.	1562188.	-231.	-230.	326.	224.9	240.88	89.28	.01	-.03
1003	1983	121	14	50	121.61806	85.83014	250.98969	2150866.	1562109.	-264.	-309.	406.	229.5	240.87	89.28	.00	-.03
1004	1983	121	14	51	121.61875	85.82528	251.06636	2150455.	1561397.	-673.	-1021.	1223.	236.6	240.81	89.26	-.06	-.05
1005	1983	121	14	52	121.61944	85.82900	251.00401	2150798.	1561952.	-329.	-466.	571.	234.8	240.85	89.28	-.02	-.02
1006	1983	121	14	53	121.62014	85.82528	251.06636	2150455.	1561397.	-670.	-1022.	1222.	236.7	240.81	89.26	-.06	-.04
1007	1983	121	14	54	121.62083	85.82973	250.98708	2150901.	1562074.	-223.	-345.	411.	237.1	240.85	89.29	-.02	-.01
1008	1983	121	14	55	121.62153	85.82900	251.00401	2150798.	1561952.	-325.	-467.	569.	235.2	240.85	89.28	-.02	-.02
1009	1983	121	14	56	121.62222	85.82900	251.00401	2150798.	1561952.	-323.	-467.	568.	235.3	240.85	89.28	-.02	-.02
1010	1983	121	14	57	121.62292	85.82917	250.99424	2150866.	1561995.	-253.	-425.	494.	239.2	240.84	89.29	-.03	-.01
1011	1983	121	14	58	121.62361	85.82900	251.00401	2150798.	1561952.	-320.	-468.	567.	235.6	240.85	89.28	-.02	-.02
1012	1983	121	14	59	121.62431	85.82917	250.99424	2150866.	1561995.	-250.	-425.	493.	239.5	240.84	89.29	-.03	-.01
1013	1983	121	15	0	121.62500	85.82455	251.08321	2150352.	1561276.	-763.	-1145.	1375.	236.3	240.81	89.25	-.06	-.05
1014	1983	121	15	1	121.62569	85.83087	250.97273	2150969.	1562231.	-145.	-191.	239.	232.8	240.87	89.29	-.01	-.01
1015	1983	121	15	2	121.62639	85.82957	250.99685	2150832.	1562031.	-281.	-391.	481.	234.3	240.86	89.28	-.02	-.02
1016	1983	121	15	3	121.62708	85.82900	251.00401	2150798.	1561952.	-314.	-470.	565.	236.3	240.85	89.28	-.03	-.02
1017	1983	121	15	4	121.62778	85.83046	250.97012	2151004.	1562195.	-106.	-228.	252.	245.0	240.85	89.30	-.03	-.00
1018	1983	121	15	5	121.62847	85.83289	250.93158	2151210.	1562552.	101.	129.	164.	51.9	240.88	89.31	.00	.01
1019	1983	121	15	6	121.62917	85.82771	251.02808	2150660.	1561753.	-447.	-671.	806.	236.3	240.84	89.27	-.04	-.03
1020	1983	121	15	7	121.62986	85.83087	250.97273	2150969.	1562231.	-137.	-194.	238.	234.7	240.87	89.29	-.01	-.01
1021	1983	121	15	8	121.63056	85.83346	250.92438	2151244.	1562631.	139.	206.	248.	56.0	240.89	89.31	.01	.01
1022	1983	121	15	9	121.63125	85.83289	250.93158	2151210.	1562552.	106.	127.	165.	50.1	240.88	89.31	.00	.01
1023	1983	121	15	18	121.63778	85.82827	251.02093	2150695.	1561831.	-398.	-599.	719.	236.4	240.85	89.27	-.03	-.03
1024	1983	121	15	19	121.63819	85.83087	250.97273	2150969.	1562231.	-123.	-200.	234.	238.5	240.87	89.29	-.01	-.01
1025	1983	121	15	20	121.63889	85.83087	250.97273	2150969.	1562231.	-121.	-200.	234.	238.8	240.87	89.29	-.02	-.01
1026	1983	121	15	21	121.63958	85.83387	250.92699	2151210.	1562666.	120.	235.	264.	62.9	240.91	89.30	.02	.00
1027	1983	121	15	22	121.64028	85.83200	250.95837	2151038.	1562388.	-50.	-44.	67.	221.3	240.89	89.29	.00	-.01
1028	1983	121	15	23	121.64097	85.83200	250.95837	2151038.	1562388.	-49.	-45.	67.	222.4	240.89	89.29	.00	-.01
1029	1983	121	15	24	121.64167	85.83257	250.95119	2151072.	1562466.	-14.	33.	36.	112.3	240.90	89.29	.01	-.01
1030	1983	121	15	25	121.64236	85.83273	250.94139	2151141.	1562509.	57.	76.	94.	53.3	240.89	89.30	.00	.00
1031	1983	121	15	26	121.64306	85.83346	250.92438	2151244.	1562631.	161.	197.	254.	50.7	240.89	89.31	.00	.02
1032	1983	121	15	27	121.64375	85.83346	250.92438	2151244.	1562631.	162.	196.	255.	50.4	240.89	89.31	.00	.02
1033	1983	121	15	28	121.64444	85.83103	250.96295	2151038.	1562274.	-43.	-161.	167.	255.2	240.86	89.30	-.03	.01

1034	1983	121	15	29	121.64514	85.83403	250.91718	2151279.	1562709.	199.	274.	339.	54.0	240.90	89.31	.01	.02
1035	1983	121	15	30	121.64583	85.83257	250.95119	2151072.	1562466.	-6.	30.	31.	101.8	240.90	89.29	.01	-.00
1036	1983	121	15	31	121.64653	85.83533	250.89293	2151416.	1562910.	339.	473.	582.	54.4	240.91	89.32	.02	.03
1037	1983	121	15	32	121.64722	85.83346	250.92438	2151244.	1562631.	168.	194.	257.	49.0	240.89	89.31	-.00	.02
1038	1983	121	15	33	121.64792	85.83200	250.95837	2151038.	1562388.	-37.	-50.	62.	233.5	240.89	89.29	-.00	-.00
1039	1983	121	15	34	121.64861	85.83589	250.88571	2151451.	1562989.	377.	551.	668.	55.6	240.92	89.32	.03	.03
1040	1983	121	15	35	121.64931	85.83516	250.90276	2151347.	1562867.	275.	428.	509.	57.3	240.92	89.31	.03	.02
1041	1983	121	15	36	121.65000	85.82973	250.98708	2150901.	1562074.	-170.	-365.	403.	245.0	240.85	89.29	-.04	-.00
1042	1983	121	15	37	121.65069	85.83273	250.94139	2151141.	1562509.	71.	70.	100.	44.4	240.89	89.30	-.00	.01
1043	1983	121	15	38	121.65139	85.83646	250.87848	2151485.	1563067.	417.	627.	753.	56.4	240.93	89.32	.04	.03
1044	1983	121	15	39	121.65208	85.83516	250.90276	2151347.	1562867.	280.	426.	510.	56.7	240.92	89.31	.03	.02
1045	1983	121	15	40	121.65278	85.83257	250.95119	2151072.	1562466.	6.	25.	26.	76.8	240.90	89.29	.00	-.00
1046	1983	121	15	41	121.65347	85.83387	250.92699	2151210.	1562666.	145.	225.	267.	57.2	240.91	89.30	.01	.01
1047	1983	121	15	42	121.65417	85.83370	250.93680	2151141.	1562623.	77.	181.	197.	67.0	240.92	89.29	.02	-.00
1048	1983	121	15	43	121.65486	85.83184	250.96817	2150969.	1562345.	-94.	-98.	135.	226.3	240.90	89.28	.00	-.01
1049	1983	121	15	44	121.65556	85.83387	250.92699	2151210.	1562666.	148.	223.	268.	56.4	240.91	89.30	.01	.01
1050	1983	121	15	45	121.65625	85.83313	250.94400	2151106.	1562545.	46.	101.	111.	65.4	240.91	89.29	.01	.00
1051	1983	121	15	46	121.65694	85.83516	250.90276	2151347.	1562867.	289.	423.	512.	55.7	240.92	89.31	.02	.02
1052	1983	121	15	47	121.65764	85.83460	250.90997	2151313.	1562788.	255.	344.	428.	53.4	240.91	89.31	.01	.02
1053	1983	121	15	48	121.65833	85.83240	250.96099	2151003.	1562423.	-53.	-22.	57.	202.3	240.91	89.28	.01	-.01
1054	1983	121	15	49	121.65903	85.83297	250.95380	2151037.	1562502.	-18.	56.	59.	107.4	240.92	89.28	.02	-.01
1055	1983	121	15	50	121.65972	85.83589	250.88571	2151451.	1562989.	397.	543.	672.	53.8	240.92	89.32	.02	.03
1056	1983	121	15	51	121.66042	85.83127	250.97535	2150935.	1562266.	-118.	-180.	216.	236.8	240.89	89.28	-.01	-.01
1057	1983	121	15	52	121.66111	85.83330	250.93419	2151175.	1562588.	124.	141.	187.	48.7	240.90	89.30	-.00	.01
1058	1983	121	15	53	121.66181	85.83224	250.97078	2150934.	1562380.	-116.	-67.	134.	210.1	240.92	89.27	.02	-.02
1059	1983	121	15	54	121.66250	85.83111	250.98513	2150866.	1562223.	-183.	-225.	290.	230.8	240.90	89.27	-.00	-.02
1060	1983	121	15	55	121.66319	85.83257	250.95119	2151072.	1562466.	24.	18.	30.	36.1	240.90	89.29	-.00	.00
1061	1983	121	15	56	121.66389	85.83354	250.94661	2151072.	1562580.	25.	131.	134.	79.1	240.93	89.28	.03	-.01
1062	1983	121	15	57	121.66458	85.82924	251.01639	2150694.	1561945.	-351.	-504.	615.	235.2	240.88	89.26	-.02	-.03
1063	1983	121	15	58	121.66528	85.83443	250.91979	2151244.	1562745.	200.	295.	356.	55.9	240.92	89.30	.02	.01
1064	1983	121	16	0	121.66730	85.83127	250.97535	2150935.	1562266.	-106.	-185.	213.	240.2	240.89	89.28	-.02	-.00
1065	1983	121	16	2	121.66806	85.83354	250.94661	2151072.	1562580.	33.	128.	132.	75.8	240.93	89.28	.02	-.00
1066	1983	121	16	3	121.66875	85.83443	250.91979	2151244.	1562745.	206.	293.	358.	54.8	240.92	89.30	.01	.02
1067	1983	121	16	4	121.66944	85.83297	250.95380	2151037.	1562502.	1.	49.	49.	89.2	240.92	89.28	.01	-.00
1068	1983	121	16	5	121.67014	85.83597	250.90798	2151278.	1562938.	243.	465.	542.	63.4	240.96	89.29	.05	.01
1069	1983	121	16	6	121.67083	85.83427	250.92960	2151175.	1562702.	141.	248.	285.	60.4	240.93	89.29	.02	.01
1070	1983	121	16	7	121.67153	85.83167	250.97796	2150900.	1562302.	-133.	-153.	203.	228.9	240.91	89.27	.00	-.01
1071	1983	121	16	8	121.67222	85.83224	250.97078	2150934.	1562380.	-98.	-75.	123.	217.4	240.92	89.27	.01	-.01
1072	1983	121	16	9	121.67292	85.83467	250.93221	2151140.	1562738.	110.	282.	303.	68.7	240.95	89.28	.04	-.00
1073	1983	121	16	10	121.67361	85.83467	250.93221	2151140.	1562738.	111.	282.	303.	68.5	240.95	89.28	.04	-.00
1074	1983	121	16	11	121.67431	85.83541	250.91519	2151244.	1562859.	216.	403.	457.	61.9	240.95	89.29	.04	.01
1075	1983	121	16	12	121.67500	85.83614	250.89815	2151347.	1562981.	320.	524.	614.	58.6	240.95	89.30	.04	.02
1076	1983	121	16	13	121.67569	85.83111	250.96513	2150866.	1562223.	-160.	-234.	284.	235.6	240.90	89.27	-.01	-.01
1077	1983	121	16	14	121.67639	85.83427	250.92960	2151175.	1562702.	150.	244.	287.	58.3	240.93	89.29	.02	.01
1078	1983	121	16	15	121.67708	85.83427	250.92960	2151175.	1562702.	152.	243.	287.	58.1	240.93	89.29	.02	.01

1079	1983	121	16	16	121.67778	85.83427	250.92960	2151175.	1562702.	153.	243.	287.	57.8	240.93	89.29	.02	.01
1080	1983	121	16	17	121.67847	85.83094	250.99491	2150797.	1562180.	-224.	-279.	358.	231.3	240.91	89.26	-.00	-.02
1081	1983	121	16	18	121.67917	85.83427	250.92960	2151175.	1562702.	155.	242.	288.	57.3	240.93	89.29	.02	.01
1082	1983	121	16	19	121.67986	85.83338	250.95641	2151003.	1562537.	-16.	77.	78.	101.5	240.94	89.27	.02	-.01
1083	1983	121	16	20	121.68056	85.83541	250.91519	2151244.	1562859.	227.	398.	458.	60.4	240.95	89.29	.03	.01
1084	1983	121	16	21	121.68125	85.83224	250.97078	2150934.	1562380.	-82.	-81.	115.	224.8	240.92	89.27	.00	-.01
1085	1983	121	16	22	121.68194	85.83614	250.89815	2151347.	1562981.	332.	519.	616.	57.4	240.95	89.30	.03	.02
1086	1983	121	16	23	121.68264	85.83411	250.93941	2151106.	1562659.	93.	196.	217.	64.8	240.94	89.28	.02	.00
1087	1983	121	16	24	121.68333	85.83297	250.95380	2151037.	1562502.	25.	39.	46.	57.1	240.92	89.28	.00	.00
1088	1983	121	16	25	121.68403	85.83727	250.88370	2151416.	1563139.	405.	675.	787.	59.0	240.97	89.30	.05	.02
1089	1983	121	16	26	121.68472	85.83484	250.92240	2151209.	1562781.	199.	317.	374.	57.8	240.94	89.29	.02	.01
1090	1983	121	16	27	121.68542	85.83654	250.90076	2151313.	1563017.	304.	552.	630.	61.2	240.97	89.29	.05	.01
1091	1983	121	16	28	121.68611	85.83581	250.91780	2151209.	1562895.	202.	430.	475.	64.9	240.97	89.28	.05	.00
1092	1983	121	16	29	121.68681	85.83800	250.86663	2151520.	1563261.	513.	795.	946.	57.2	240.97	89.31	.05	.03
1093	1983	121	16	30	121.68750	85.83541	250.91519	2151244.	1562859.	239.	393.	460.	58.7	240.95	89.29	.03	.01
1094	1983	121	16	31	121.68819	85.83800	250.86663	2151520.	1563261.	516.	794.	947.	57.0	240.97	89.31	.05	.03
1095	1983	121	16	32	121.68889	85.83427	250.92960	2151175.	1562702.	172.	235.	291.	53.7	240.93	89.29	.01	.01
1096	1983	121	16	33	121.68958	85.83467	250.93221	2151140.	1562738.	139.	270.	304.	62.8	240.95	89.28	.03	.00
1097	1983	121	16	34	121.69028	85.83135	250.99753	2150762.	1562216.	-238.	-252.	347.	226.7	240.93	89.25	.01	-.03
1098	1983	121	16	35	121.69097	85.83784	250.87647	2151450.	1563217.	452.	749.	875.	58.9	240.98	89.30	.06	.02
1099	1983	121	16	37	121.69245	85.82811	251.03069	2150626.	1561788.	-370.	-681.	775.	241.5	240.86	89.26	-.06	-.01
1100	1983	121	16	38	121.69306	85.83354	250.94661	2151072.	1562580.	77.	110.	134.	55.3	240.93	89.28	.01	.01
1101	1983	121	16	39	121.69375	85.83151	250.98775	2150831.	1562259.	-163.	-212.	267.	232.4	240.92	89.26	-.01	-.01
1102	1983	121	16	40	121.69444	85.82835	251.04307	2150523.	1561781.	-470.	-690.	835.	235.7	240.89	89.24	-.04	-.03
1103	1983	121	16	41	121.69514	85.83151	250.98775	2150831.	1562259.	-160.	-213.	266.	233.0	240.92	89.26	-.01	-.01
1104	1983	121	16	42	121.69583	85.83711	250.89354	2151347.	1563096.	357.	624.	718.	60.2	240.98	89.29	.05	.02
1105	1983	121	16	43	121.69653	85.84061	250.81791	2151796.	1563663.	807.	1190.	1438.	55.9	240.99	89.33	.06	.06
1106	1983	121	16	44	121.69722	85.83654	250.90076	2151313.	1563017.	325.	544.	633.	59.2	240.97	89.29	.04	.02
1107	1983	121	16	45	121.69792	85.83021	251.01185	2150694.	1562059.	-293.	-414.	507.	234.8	240.91	89.25	-.02	-.02
1108	1983	121	16	46	121.69861	85.83135	250.99753	2150762.	1562216.	-223.	-258.	341.	229.2	240.93	89.25	.00	-.02
1109	1983	121	16	47	121.69931	85.83621	250.92042	2151174.	1562931.	190.	456.	494.	67.4	240.99	89.27	.06	-.00
1110	1983	121	16	48	121.70000	85.83451	250.94203	2151071.	1562695.	88.	220.	237.	68.1	240.96	89.27	.03	-.00
1111	1983	121	16	49	121.70069	85.83751	250.89615	2151312.	1563131.	330.	656.	734.	63.2	241.00	89.28	.07	.01
1112	1983	121	16	50	121.70139	85.83581	250.91780	2151209.	1562895.	229.	419.	477.	61.4	240.97	89.28	.04	.01
1113	1983	121	16	51	121.70208	85.83898	250.86200	2151519.	1563375.	540.	899.	1048.	59.0	241.00	89.30	.07	.03
1114	1983	121	16	52	121.70278	85.83451	250.94203	2151071.	1562695.	93.	218.	237.	66.8	240.96	89.27	.03	-.00
1115	1983	121	16	53	121.70347	85.83078	251.00469	2150728.	1562137.	-249.	-340.	421.	233.8	240.92	89.25	-.01	-.02
1116	1983	121	16	54	121.70417	85.83508	250.93483	2151106.	1562773.	130.	295.	323.	66.2	240.97	89.27	.04	.00
1117	1983	121	16	55	121.70486	85.83638	250.91059	2151243.	1562974.	269.	495.	564.	61.5	240.98	89.28	.05	.01
1118	1983	121	16	56	121.70556	85.83338	250.95641	2151003.	1562537.	30.	58.	65.	63.1	240.94	89.27	.01	.00
1119	1983	121	16	57	121.70625	85.83451	250.94203	2151071.	1562695.	99.	215.	237.	65.2	240.96	89.27	.03	.00
1120	1983	121	16	58	121.70694	85.83678	250.91320	2151209.	1563009.	238.	529.	580.	65.8	241.00	89.27	.06	.00
1121	1983	121	16	59	121.70764	85.85299	250.66697	2152489.	1565363.	1519.	2883.	3259.	62.2	241.22	89.32	.28	.05
1122	1983	121	17	0	121.70833	85.84410	250.79664	2151830.	1564086.	862.	1605.	1822.	61.8	241.09	89.30	.15	.03
1123	1983	121	17	1	121.70903	85.84085	250.83038	2151692.	1563655.	725.	1174.	1379.	58.3	241.02	89.31	.08	.04

1124	1983	121	17	2	121.70972	65.83751	250.89615	2151312.	1563131.	346.	649.	736.	61.9	241.00	89.28	.06	.01
1125	1983	121	17	3	121.71042	65.83402	250.97145	2150865.	1562565.	-100.	83.	130.	140.3	240.99	89.24	.05	-.03
1126	1983	121	17	4	121.71111	65.83524	250.92501	2151175.	1562816.	211.	333.	395.	57.6	240.96	89.28	.02	.01
1127	1983	121	17	5	121.71181	65.83135	250.99753	2150762.	1562216.	-200.	-268.	334.	233.2	240.93	89.25	-.01	-.02
1128	1983	121	17	6	121.71250	65.83338	250.95641	2151003.	1562537.	42.	53.	68.	51.9	240.94	89.27	.00	.00
1129	1983	121	17	7	121.71319	65.82753	251.09182	2150179.	1561567.	-781.	-917.	1205.	229.6	240.94	89.19	.00	-.08
1130	1983	121	17	8	121.71389	65.84158	250.81325	2151796.	1563777.	837.	1292.	1540.	57.1	241.02	89.32	.08	.05
1131	1983	121	17	9	121.71458	65.83321	250.96621	2150934.	1562494.	-23.	9.	25.	159.3	240.95	89.26	.01	-.01
1132	1983	121	17	10	121.71528	65.82819	251.05282	2150454.	1561738.	-502.	-748.	901.	236.1	240.90	89.23	-.04	-.04
1133	1983	121	17	11	121.71597	65.83435	250.95184	2151003.	1562651.	48.	165.	172.	73.9	240.97	89.26	.03	-.00
1134	1983	121	17	12	121.71667	65.83411	250.93941	2151106.	1562659.	152.	172.	230.	48.4	240.94	89.28	-.00	.02
1135	1983	121	17	13	121.71736	65.83565	250.92762	2151140.	1562852.	188.	364.	410.	62.7	240.98	89.27	.04	.01
1136	1983	121	17	14	121.71806	65.82543	251.11053	2150111.	1561297.	-840.	-1191.	1457.	234.8	240.89	89.20	-.05	-.06
1137	1983	121	17	15	121.71875	65.84174	250.80337	2151865.	1563821.	915.	1332.	1616.	55.5	241.01	89.33	.07	.07
1138	1983	121	17	16	121.71944	65.84345	250.78153	2151969.	1564058.	1020.	1569.	1871.	57.0	241.04	89.33	.10	.07
1139	1983	121	17	17	121.72014	65.84215	250.80597	2151830.	1563857.	883.	1367.	1627.	57.1	241.03	89.32	.09	.06
1140	1983	121	17	18	121.72083	65.85478	250.72255	2152002.	1565403.	1055.	2913.	3098.	70.1	241.38	89.22	.43	-.04
1141	1983	121	17	19	121.72153	65.83208	250.98057	2150865.	1562337.	-80.	-153.	173.	242.5	240.93	89.26	-.02	-.00
1142	1983	121	17	20	121.72222	65.83118	251.00731	2150693.	1562173.	-250.	-318.	405.	231.8	240.94	89.24	-.01	-.02
1143	1983	121	17	21	121.72292	65.82965	251.01901	2150660.	1561981.	-283.	-511.	584.	241.0	240.90	89.25	-.05	-.01
1144	1983	121	17	22	121.72361	65.83735	250.90599	2151243.	1563088.	302.	596.	668.	63.1	241.01	89.27	.06	.01
1145	1983	121	17	23	121.72431	65.83914	250.85214	2151588.	1563418.	648.	926.	1130.	55.0	240.99	89.31	.04	.05
1146	1983	121	17	24	121.72500	65.84012	250.84750	2151588.	1563533.	649.	1040.	1226.	58.0	241.02	89.30	.07	.04
1147	1983	121	17	25	121.72569	65.83898	250.86200	2151519.	1563375.	582.	882.	1056.	56.6	241.00	89.30	.05	.04
1148	1983	121	17	26	121.72639	65.83054	250.99230	2150831.	1562145.	-105.	-349.	365.	253.2	240.89	89.27	-.06	.01
1149	1983	121	17	27	121.72708	65.83711	250.89354	2151347.	1563096.	412.	601.	728.	55.6	240.98	89.29	.03	.03
1150	1983	121	17	28	121.72778	65.82851	251.03331	2150591.	1561824.	-343.	-671.	754.	242.9	240.88	89.25	-.07	-.01
1151	1983	121	17	29	121.72847	65.83135	250.99753	2150762.	1562216.	-171.	-280.	328.	238.6	240.93	89.25	-.02	-.01
1152	1983	121	17	30	121.72917	65.83321	250.96621	2150934.	1562494.	2.	-2.	3.	323.4	240.95	89.26	-.00	.00
1153	1983	121	17	31	121.72986	65.83784	250.87647	2151450.	1563217.	520.	721.	889.	54.2	240.98	89.30	.03	.04
1154	1983	121	17	32	121.73056	65.83589	250.94006	2151037.	1562844.	107.	347.	364.	72.8	241.01	89.25	.06	-.01
1155	1983	121	17	33	121.73125	65.83792	250.89877	2151278.	1563167.	350.	669.	755.	62.4	241.02	89.27	.07	.01
1156	1983	121	17	34	121.73194	65.82673	251.08657	2150248.	1561496.	-679.	-1002.	1210.	235.9	240.90	89.21	-.05	-.05
1157	1983	121	17	35	121.73264	65.83995	250.85736	2151519.	1563490.	594.	991.	1155.	59.1	241.03	89.29	.08	.03
1158	1983	121	17	36	121.73333	65.81407	251.22985	2149604.	1559790.	-1320.	-2709.	3014.	244.0	240.65	89.23	-.30	-.03
1159	1983	121	17	37	121.73403	65.81585	251.17715	2149945.	1560115.	-978.	-2385.	2578.	247.7	240.63	89.27	-.32	.01
1160	1983	121	17	38	121.73472	65.83556	250.95969	2150899.	1562758.	-23.	258.	259.	95.2	241.03	89.23	.07	-.03
1161	1983	121	17	39	121.73542	65.82293	251.12658	2150078.	1560992.	-842.	-1508.	1727.	240.8	240.82	89.22	-.14	-.04
1162	1983	121	17	42	121.73750	65.79613	251.39979	2148934.	1557458.	-1983.	-5044.	5420.	248.5	240.24	89.30	-.72	.04
1163	1983	121	17	43	121.73819	65.79979	251.44493	2148456.	1557726.	-2460.	-4777.	5373.	242.8	240.46	89.18	-.50	-.08
1164	1983	121	17	44	121.73889	65.81585	251.17715	2149945.	1560115.	-970.	-2388.	2578.	247.9	240.63	89.27	-.33	.01
1165	1983	121	17	45	121.73958	65.82044	251.08887	2150457.	1560830.	-456.	-1674.	1735.	254.8	240.66	89.31	-.30	.06
1166	1983	121	17	46	121.74028	65.82222	251.08959	2150388.	1561014.	-524.	-1490.	1580.	250.6	240.73	89.28	-.23	.03
1167	1983	121	17	47	121.74097	65.80797	251.27548	2149471.	1559029.	-1440.	-3476.	3762.	247.5	240.49	89.27	-.47	.02
1168	1983	121	17	48	121.74167	65.81641	251.17009	2149979.	1560192.	-931.	-2313.	2493.	248.1	240.64	89.27	-.32	.02

1169	1983	121	17	49	121.74236	85.83817	250.85678	2151589.	1563304.	680.	798.	1049.	-49.6	240.96	89.32	-.00	.07
1170	1983	121	17	50	121.74306	85.81262	251.26316	2149400.	1559550.	-1507.	-2956.	3318.	243.0	240.65	89.21	-.31	-.04
1171	1983	121	17	51	121.74375	85.79827	251.45611	2148423.	1557537.	-2483.	-4970.	5555.	243.5	240.42	89.19	-.54	-.06
1172	1983	121	17	52	121.74444	85.80724	251.34525	2148960.	1558769.	-1945.	-3738.	4213.	242.5	240.58	89.19	-.38	-.06
1173	1983	121	17	53	121.74514	85.81802	251.18055	2149841.	1560334.	-1062.	-2174.	2419.	244.0	240.72	89.23	-.24	-.02
1174	1983	121	17	54	121.74583	85.79029	251.56170	2147888.	1556423.	-3014.	-6085.	6791.	243.6	240.29	89.18	-.67	-.07
1175	1983	121	17	55	121.74653	85.81440	251.21055	2149740.	1559874.	-1161.	-2634.	2878.	246.2	240.63	89.25	-.33	-.00
1176	1983	121	17	56	121.74722	85.81375	251.24913	2149467.	1559705.	-1432.	-2804.	3148.	242.9	240.67	89.21	-.29	-.04
1177	1983	121	17	57	121.74792	85.80203	251.41728	2148590.	1558033.	-2309.	-4476.	5036.	242.7	240.50	89.18	-.47	-.07
1178	1983	121	17	58	121.74861	85.80910	251.26148	2149538.	1559184.	-1359.	-3326.	3593.	247.8	240.51	89.27	-.46	.02
1179	1983	121	17	59	121.74931	85.81432	251.18864	2149912.	1559924.	-985.	-2587.	2768.	249.2	240.59	89.28	-.38	.03
1180	1983	121	18	0	121.75000	85.80740	251.33566	2149028.	1558812.	-1867.	-3699.	4144.	243.2	240.57	89.20	-.40	-.05
1181	1983	121	18	1	121.75069	85.81030	251.26932	2149435.	1559289.	-1459.	-3222.	3537.	245.6	240.57	89.24	-.40	-.01
1182	1983	121	18	2	121.75139	85.80965	251.30776	2149163.	1559121.	-1731.	-3391.	3807.	243.0	240.61	89.20	-.36	-.05
1183	1983	121	18	3	121.75208	85.80933	251.27370	2149436.	1559177.	-1457.	-3336.	3640.	246.4	240.54	89.25	-.43	-.00
1184	1983	121	18	4	121.75278	85.81246	251.27278	2149332.	1559508.	-1561.	-3005.	3386.	242.6	240.66	89.20	-.31	-.05
1185	1983	121	18	5	121.75347	85.83491	250.94464	2151037.	1562730.	145.	217.	261.	56.2	240.98	89.26	.01	.01
1186	1983	121	18	6	121.75417	85.84764	250.90732	2150859.	1564166.	-32.	1652.	1653.	91.1	241.41	89.10	.44	-.15
1187	1983	121	18	7	121.75486	85.86970	250.53015	2152907.	1567480.	2017.	4966.	5360.	67.9	241.64	89.22	.67	-.03
1188	1983	121	18	8	121.75556	85.88406	250.26280	2154385.	1569701.	3495.	7186.	7991.	64.1	241.76	89.32	.79	.07
1189	1983	121	18	9	121.75625	85.86723	250.57002	2152697.	1567115.	1809.	4600.	4943.	68.5	241.61	89.21	.64	-.04
1190	1983	121	18	10	121.75694	85.87020	250.49987	2153117.	1567613.	2229.	5098.	5564.	66.4	241.61	89.25	.64	.00
1191	1983	121	18	11	121.75764	85.85283	250.67693	2152419.	1565320.	1532.	2804.	3195.	61.3	241.23	89.31	.26	.06
1192	1983	121	18	12	121.75833	85.86814	250.54243	2152872.	1567284.	1986.	4768.	5165.	67.4	241.60	89.23	.63	-.02
1193	1983	121	18	13	121.75903	85.86395	250.60452	2152558.	1566679.	1672.	4163.	4486.	68.1	241.54	89.22	.57	-.03
1194	1983	121	18	14	121.75972	85.86486	250.57700	2152733.	1566847.	1848.	4331.	4708.	66.9	241.53	89.24	.56	-.01
1195	1983	121	18	15	121.76042	85.84670	250.80243	2151691.	1564344.	807.	1827.	1997.	66.2	241.20	89.25	.23	.00
1196	1983	121	18	16	121.76111	85.87119	250.49502	2153117.	1567729.	2234.	5212.	5670.	66.8	241.64	89.24	.67	-.01
1197	1983	121	18	17	121.76181	85.86995	250.48715	2153222.	1567621.	2340.	5104.	5614.	65.4	241.58	89.27	.61	.02
1198	1983	121	18	18	121.76250	85.87762	250.37936	2153750.	1568713.	2867.	6194.	6826.	65.2	241.70	89.28	.73	.03
1199	1983	121	18	19	121.76319	85.85509	250.75770	2151723.	1565343.	842.	2824.	2947.	73.4	241.45	89.17	.48	-.08
1200	1983	121	18	20	121.76389	85.85095	250.70893	2152246.	1565038.	1365.	2518.	2864.	61.5	241.21	89.30	.24	.05
1201	1983	121	18	21	121.76458	85.82706	251.01310	2150798.	1561725.	-82.	-795.	799.	264.1	240.79	89.30	-.18	.05
1202	1983	121	18	22	121.76528	85.81665	251.18237	2149876.	1560185.	-1003.	-2335.	2541.	246.7	240.67	89.25	-.30	.00
1203	1983	121	18	23	121.76597	85.81287	251.22200	2149707.	1559684.	-1171.	-2837.	3069.	247.6	240.59	89.26	-.38	.01
1204	1983	121	18	24	121.76667	85.82755	250.98381	2151005.	1561853.	127.	-668.	680.	280.7	240.76	89.33	-.21	.08
1205	1983	121	18	25	121.76736	85.80427	251.38957	2148724.	1558342.	-2153.	-4180.	4702.	242.7	240.54	89.18	-.43	-.07
1206	1983	121	18	26	121.76806	85.82698	251.04497	2150557.	1561632.	-319.	-890.	945.	250.3	240.84	89.26	-.14	.01
1207	1983	121	18	27	121.76875	85.83663	250.86865	2151554.	1563110.	679.	588.	898.	40.9	240.92	89.33	-.06	.08
1208	1983	121	18	28	121.76944	85.82456	251.02931	2150765.	1561419.	-110.	-1104.	1109.	264.3	240.72	89.32	-.26	.07
1209	1983	121	18	29	121.77014	85.81914	251.16643	2149909.	1560489.	-965.	-2034.	2251.	244.6	240.74	89.23	-.24	-.02
1210	1983	121	18	30	121.77083	85.82367	251.05591	2150593.	1561255.	-280.	-1268.	1299.	257.5	240.73	89.30	-.25	.05
1211	1983	121	18	31	121.77153	85.81191	251.22642	2149708.	1559571.	-1165.	-2953.	3174.	248.5	240.56	89.27	-.42	.02
1212	1983	121	18	32	121.77222	85.80973	251.27632	2149402.	1559212.	-1470.	-3312.	3624.	246.1	240.56	89.24	-.42	-.00
1213	1983	121	18	33	121.77292	85.80868	251.31212	2149164.	1559008.	-1708.	-3516.	3909.	244.1	240.58	89.21	-.40	-.03

1214	1983	121	18	34	121.77361	85.81480	251.21317	2149706.	1559910.	-1165.	-2615.	2863.	246.0	240.65	89.24	-.33	-.00
1215	1983	121	18	35	121.77431	85.82317	251.13891	2149975.	1560985.	-895.	-1540.	1781.	239.9	240.85	89.20	-.13	-.04
1216	1983	121	18	36	121.77500	85.80611	251.35916	2148893.	1558615.	-1976.	-3911.	4382.	243.2	240.56	89.19	-.42	-.05
1217	1983	121	18	37	121.77569	85.83516	250.95707	2150933.	1562723.	65.	196.	207.	71.8	241.01	89.24	.03	-.00
1218	1983	121	18	38	121.77639	85.81037	251.29116	2149265.	1559240.	-1603.	-3286.	3656.	244.0	240.61	89.21	-.37	-.03
1219	1983	121	18	39	121.77708	85.80997	251.28854	2149299.	1559205.	-1568.	-3322.	3673.	244.7	240.59	89.22	-.39	-.02
1220	1983	121	18	40	121.77778	85.82561	251.04688	2150592.	1561483.	-274.	-1045.	1080.	255.3	240.79	89.28	-.19	.04
1221	1983	121	18	41	121.77847	85.82716	251.21914	2149218.	1561195.	-1648.	-1333.	2119.	219.0	241.14	89.03	.16	-.21
1222	1983	121	18	42	121.77917	85.85699	250.67055	2152315.	1565773.	1450.	3245.	3554.	65.9	241.38	89.25	.40	.01
1223	1983	121	18	43	121.77986	85.87481	250.43993	2153398.	1568256.	2534.	5728.	6263.	66.1	241.69	89.25	.71	.01
1224	1983	121	18	44	121.78056	85.88149	250.33663	2153926.	1569234.	3063.	6704.	7371.	65.4	241.78	89.27	.80	.03
1225	1983	121	18	45	121.78125	85.88066	250.38757	2153574.	1569010.	2711.	6480.	7025.	67.3	241.83	89.22	.85	-.02
1226	1983	121	18	46	121.78194	85.88157	250.35964	2153750.	1569180.	2888.	6650.	7250.	66.5	241.82	89.24	.84	-.00
1227	1983	121	18	47	121.78264	85.88472	250.27826	2154244.	1569728.	3383.	7198.	7953.	64.8	241.81	89.29	.83	.05
1228	1983	121	18	48	121.78333	85.88100	250.36720	2153715.	1569099.	2854.	6568.	7162.	66.5	241.81	89.24	.83	-.00
1229	1983	121	18	49	121.78403	85.88828	250.25566	2154280.	1570161.	3420.	7630.	8361.	65.9	241.91	89.26	.93	.02
1230	1983	121	18	50	121.78472	85.85968	250.69895	2152001.	1565980.	1141.	3448.	3632.	71.7	241.53	89.17	.55	-.07
1231	1983	121	18	51	121.78542	85.88290	250.33430	2153891.	1569387.	3033.	6855.	7496.	66.1	241.83	89.25	.85	.01
1232	1983	121	18	52	121.78611	85.88282	250.31127	2154067.	1569440.	3209.	6908.	7617.	65.1	241.79	89.28	.81	.04
1233	1983	121	18	53	121.78681	85.87671	250.40722	2153574.	1568543.	2717.	6010.	6595.	65.7	241.71	89.26	.73	.02
1234	1983	121	18	54	121.78750	85.87902	250.37706	2153715.	1568866.	2858.	6332.	6948.	65.7	241.75	89.26	.77	.02
1235	1983	121	18	55	121.78819	85.87358	250.43206	2153503.	1568148.	2648.	5615.	6208.	64.8	241.63	89.28	.65	.04
1236	1983	121	18	56	121.78889	85.87596	250.42489	2153468.	1568418.	2613.	5884.	6438.	66.0	241.71	89.25	.73	.01
1237	1983	121	18	57	121.78958	85.88017	250.36195	2153785.	1569027.	2931.	6493.	7124.	65.7	241.77	89.26	.78	.02
1238	1983	121	18	58	121.79028	85.88778	250.22991	2154492.	1570179.	3638.	7644.	8466.	64.5	241.85	89.30	.86	.06
1239	1983	121	18	59	121.79097	85.86575	250.60500	2152488.	1566867.	1635.	4331.	4630.	69.3	241.61	89.19	.62	-.05
1240	1983	121	19	0	121.79167	85.87753	250.41247	2153504.	1568615.	2652.	6079.	6632.	66.4	241.75	89.24	.76	-.00
1241	1983	121	19	1	121.79236	85.86905	250.51481	2153047.	1567453.	2196.	4916.	5385.	65.9	241.59	89.25	.60	.01
1242	1983	121	19	2	121.79306	85.88001	250.37213	2153715.	1568982.	2864.	6446.	7054.	66.0	241.78	89.25	.79	.01
1243	1983	121	19	3	121.79375	85.86469	250.58705	2152663.	1566803.	1813.	4266.	4635.	67.0	241.54	89.23	.55	-.01
1244	1983	121	19	4	121.79444	85.87621	250.43767	2153363.	1568409.	2514.	5872.	6387.	66.8	241.74	89.23	.75	-.01
1245	1983	121	19	5	121.79514	85.87976	250.35933	2153820.	1568991.	2972.	6453.	7105.	65.3	241.75	89.27	.76	.03
1246	1983	121	19	6	121.79583	85.88513	250.28088	2154209.	1569764.	3361.	7226.	7969.	65.1	241.83	89.28	.84	.04
1247	1983	121	19	7	121.79653	85.89741	250.08646	2155203.	1571573.	4356.	9034.	10030.	64.3	241.99	89.32	1.00	.08
1248	1983	121	19	8	121.79722	85.87868	250.39740	2153574.	1568776.	2728.	6237.	6808.	66.4	241.77	89.24	.78	.00
1249	1983	121	19	9	121.79792	85.88480	250.30133	2154068.	1569674.	3222.	7135.	7829.	65.7	241.85	89.26	.86	.02
1250	1983	121	19	10	121.79861	85.87366	250.45494	2153328.	1568095.	2483.	5556.	6085.	65.9	241.67	89.25	.68	.01
1251	1983	121	19	11	121.79931	85.88654	250.22207	2154597.	1570070.	3753.	7530.	8413.	63.5	241.79	89.33	.80	.09
1252	1983	121	19	12	121.80000	85.88282	250.25497	2154490.	1569592.	3647.	7051.	7939.	62.7	241.70	89.35	.71	.11
1253	1983	121	19	13	121.80069	85.89940	250.07623	2155204.	1571809.	4361.	9268.	10243.	64.8	242.05	89.30	1.06	.06
1254	1983	121	19	14	121.80139	85.87629	250.46058	2153188.	1568356.	2346.	5814.	6270.	68.0	241.78	89.20	.79	-.04
1255	1983	121	19	15	121.80208	85.85536	250.66007	2152454.	1565630.	1613.	3088.	3484.	62.4	241.30	89.29	.31	.05
1256	1983	121	19	16	121.80278	85.83816	250.91122	2151174.	1563159.	333.	617.	701.	61.6	241.05	89.25	.06	.01
1257	1983	121	19	17	121.80347	85.85136	250.71154	2152211.	1565073.	1371.	2531.	2878.	61.6	241.23	89.29	.24	.05
1258	1983	121	19	18	121.80417	85.83541	250.91519	2151244.	1562659.	405.	316.	514.	38.0	240.95	89.29	-.04	.05

1259	1983	121	19	19	121.80486	85.82124	251.14783	2149976.	1560758.	-862.	-1785.	1982.	244.2	240.79	89.22	-.20	-.02
1260	1983	121	19	20	121.80556	85.83614	250.89815	2151347.	1562981.	509.	437.	671.	40.6	240.95	89.30	-.04	.06
1261	1983	121	19	21	121.80625	85.85332	250.64702	2152628.	1565451.	1791.	2907.	3414.	58.4	241.20	89.34	.21	.10
1262	1983	121	19	22	121.80694	85.82674	251.03261	2150661.	1561639.	-176.	-905.	922.	259.0	240.81	89.28	-.18	.04
1263	1983	121	19	23	121.80764	85.82455	251.08321	2150352.	1561276.	-483.	-1269.	1358.	249.1	240.81	89.25	-.18	.01
1264	1983	121	19	24	121.80833	85.83087	250.97273	2150969.	1562231.	134.	-315.	342.	293.1	240.87	89.29	-.12	.05
1265	1983	121	19	25	121.80903	85.82836	250.98902	2150935.	1561924.	101.	-622.	630.	279.3	240.80	89.31	-.19	.07
1266	1983	121	19	26	121.80972	85.80789	251.30689	2149232.	1558938.	-1601.	-3609.	3948.	246.1	240.54	89.23	-.45	-.01
1267	1983	121	19	27	121.81042	85.82714	251.03522	2150626.	1561675.	-206.	-872.	896.	256.7	240.83	89.27	-.17	.03
1268	1983	121	19	28	121.81111	85.83808	250.88892	2151347.	1563210.	515.	663.	839.	52.2	241.01	89.28	.01	.04
1269	1983	121	19	29	121.81181	85.82520	251.04427	2150627.	1561447.	-204.	-1100.	1119.	259.5	240.77	89.29	-.23	.06
1270	1983	121	19	30	121.81250	85.85438	250.60970	2152872.	1565662.	2041.	3114.	3723.	56.8	241.18	89.37	.18	.14
1271	1983	121	19	31	121.81319	85.85266	250.68690	2152350.	1565276.	1520.	2728.	3122.	60.9	241.24	89.30	.24	.07
1272	1983	121	19	32	121.81389	85.87217	250.49016	2153117.	1567846.	2288.	5297.	5770.	66.6	241.67	89.23	.67	-.00
1273	1983	121	19	33	121.81458	85.86042	250.68158	2152105.	1566104.	1277.	3554.	3777.	70.2	241.53	89.18	.53	-.05
1274	1983	121	19	34	121.81528	85.87563	250.44518	2153328.	1568328.	2500.	5779.	6296.	66.6	241.73	89.23	.73	-.00
1275	1983	121	19	35	121.81597	85.85450	250.82006	2151272.	1565116.	445.	2566.	2604.	80.2	241.53	89.10	.53	-.13
1276	1983	121	19	36	121.81667	85.89367	250.11979	2155095.	1571092.	4269.	8541.	9549.	63.4	241.90	89.34	.90	.11
1277	1983	121	19	37	121.81736	85.86829	250.58799	2152523.	1567178.	1697.	4627.	4929.	69.9	241.68	89.17	.68	-.06
1278	1983	121	19	38	121.81806	85.86461	250.56433	2152837.	1566856.	2013.	4304.	4752.	64.9	241.50	89.26	.50	.03
1279	1983	121	19	39	121.81875	85.84560	250.94877	2150618.	1563842.	-206.	1290.	1307.	99.1	241.40	89.08	.40	-.15
1280	1983	121	19	40	121.81944	85.87794	250.41510	2153468.	1568651.	2645.	6099.	6648.	66.6	241.77	89.23	.77	-.00
1281	1983	121	19	41	121.82014	85.88240	250.36490	2153680.	1569252.	2857.	6700.	7283.	66.9	241.86	89.22	.86	-.01
1282	1983	121	19	42	121.82083	85.88604	250.30921	2153962.	1569783.	3140.	7230.	7882.	66.5	241.91	89.23	.91	-.00
1283	1983	121	19	43	121.82153	85.87654	250.41737	2153503.	1568498.	2682.	5945.	6522.	65.7	241.72	89.25	.72	.02
1284	1983	121	19	44	121.82222	85.88505	250.31417	2153962.	1569666.	3141.	7112.	7775.	66.2	241.88	89.24	.88	.01
1285	1983	121	19	45	121.82292	85.87414	250.48045	2153117.	1568078.	2298.	5524.	5983.	67.4	241.73	89.21	.73	-.02
1286	1983	121	19	46	121.82361	85.87076	250.54814	2152732.	1567543.	1913.	4989.	5343.	69.0	241.71	89.18	.71	-.05
1287	1983	121	19	47	121.82431	85.86502	250.56695	2152802.	1568891.	1984.	4336.	4769.	65.4	241.52	89.25	.52	.02
1288	1983	121	19	48	121.82500	85.87910	250.40003	2153539.	1568812.	2721.	6257.	6823.	66.5	241.79	89.23	.79	-.00
1289	1983	121	19	49	121.82569	85.89583	250.09928	2155167.	1571373.	4350.	8817.	9832.	63.7	241.95	89.33	.95	.10
1290	1983	121	19	50	121.82639	85.87926	250.38986	2153609.	1568657.	2793.	6301.	6892.	66.1	241.78	89.24	.78	.01
1291	1983	121	19	51	121.82708	85.91074	249.94149	2155778.	1573359.	4963.	10802.	11888.	65.3	242.27	89.28	1.27	.05
1292	1983	121	19	52	121.82778	85.88802	250.29927	2153962.	1570017.	3148.	7460.	8097.	67.1	241.97	89.21	.97	-.02
1293	1983	121	19	53	121.82847	85.87811	250.40494	2153539.	1568695.	2725.	6138.	6716.	66.1	241.76	89.24	.76	.01
1294	1983	121	19	54	121.82917	85.88356	250.29346	2154173.	1569566.	3360.	7008.	7772.	64.4	241.79	89.29	.79	.06
1295	1983	121	19	55	121.82986	85.88662	250.30161	2153997.	1569864.	3185.	7306.	7970.	66.4	241.92	89.23	.92	-.00
1296	1983	121	19	56	121.83056	85.91132	249.87615	2156242.	1573598.	5430.	11039.	12303.	63.8	242.19	89.35	1.19	.12
1297	1983	121	19	57	121.83125	85.88654	250.22207	2154597.	1570070.	3786.	7511.	8411.	63.2	241.79	89.33	.79	.10
1298	1983	121	19	58	121.83194	85.86563	250.30658	2153997.	1569747.	3187.	7187.	7862.	66.1	241.89	89.24	.88	.01
1299	1983	121	19	59	121.83264	85.88853	250.21202	2154598.	1570305.	3788.	7745.	8622.	63.9	241.85	89.31	.84	.08
1300	1983	121	20	0	121.83333	85.87622	250.38167	2153784.	1568560.	2975.	5999.	6697.	63.6	241.65	89.30	.64	.07
1301	1983	121	20	1	121.83403	85.88845	250.18888	2154775.	1570359.	3966.	7798.	8749.	63.0	241.81	89.34	.80	.11
1302	1983	121	20	2	121.83472	85.87267	250.40395	2153749.	1568129.	2941.	5568.	6297.	62.2	241.55	89.33	.54	.10
1303	1983	121	20	3	121.83542	85.87151	250.53058	2152837.	1567668.	2030.	5106.	5495.	68.3	241.71	89.19	.70	-.04

1304	1983	121	20	4	121.83611	85.86182	250.62411	2152488.	1566403.	1682.	3841.	4194.	66.4	241.49	89.23	.48	.00
1305	1983	121	20	5	121.83681	85.85846	250.69105	2152105.	1565873.	1300.	3310.	3556.	68.6	241.47	89.20	.46	-.03
1306	1983	121	20	6	121.83750	85.84709	250.85982	2151240.	1564233.	435.	1670.	1726.	75.4	241.31	89.17	.30	-.06
1307	1983	121	20	7	121.83819	85.82455	251.08321	2150352.	1561276.	-452.	-1287.	1364.	250.7	240.81	89.25	-.20	.02
1308	1983	121	20	8	121.83889	85.84467	250.78935	2151865.	1564165.	1061.	1602.	1921.	56.5	241.10	89.30	.09	.07
1309	1983	121	20	9	121.83958	85.83192	250.93617	2151210.	1562438.	408.	-126.	427.	342.8	240.85	89.32	-.16	.09
1310	1983	121	20	10	121.84028	85.82492	251.19354	2149494.	1561026.	-1308.	-1538.	2019.	229.6	241.01	89.10	.00	-.13
1311	1983	121	20	11	121.84097	85.80946	251.37060	2148686.	1558938.	-2115.	-3627.	4199.	239.7	240.71	89.12	-.30	-.11
1312	1983	121	20	12	121.84167	85.82600	251.10342	2150146.	1561375.	-655.	-1190.	1358.	241.2	240.90	89.20	-.11	-.03
1313	1983	121	20	13	121.84236	85.81567	251.24033	2149466.	1559931.	-1334.	-2635.	2953.	243.2	240.73	89.19	-.28	-.04
1314	1983	121	20	14	121.84306	85.82617	251.03974	2150627.	1561561.	-172.	-1005.	1020.	260.3	240.80	89.28	-.21	.05
1315	1983	121	20	15	121.84375	85.83426	250.98387	2150761.	1562558.	-37.	-9.	38.	193.0	241.02	89.22	.01	-.01
1316	1983	121	20	16	121.84444	85.81680	251.22626	2149534.	1560086.	-1264.	-2481.	2784.	243.0	240.75	89.19	-.26	-.04
1317	1983	121	20	17	121.84514	85.80852	251.32172	2149095.	1558966.	-1701.	-3601.	3983.	244.7	240.59	89.20	-.42	-.03
1318	1983	121	20	18	121.84583	85.82883	251.06782	2150316.	1561766.	-480.	-801.	934.	239.1	240.95	89.20	-.06	-.03
1319	1983	121	20	19	121.84653	85.82035	251.17429	2149806.	1560595.	-990.	-1973.	2207.	243.4	240.80	89.20	-.21	-.03
1320	1983	121	20	20	121.84722	85.84907	250.74065	2152072.	1564756.	1277.	2187.	2533.	59.7	241.19	89.29	.18	.06
1321	1983	121	20	21	121.84792	85.82972	251.04116	2150488.	1561930.	-306.	-639.	708.	244.4	240.94	89.22	-.07	-.01
1322	1983	121	20	22	121.84861	85.82317	251.13891	2149975.	1560985.	-818.	-1584.	1783.	242.7	240.85	89.20	-.16	-.03
1323	1983	121	20	23	121.84931	85.83378	250.95903	2150968.	1562573.	176.	3.	176.	1.0	240.96	89.26	-.05	.03
1324	1983	121	20	24	121.85000	85.85821	250.67842	2152210.	1565881.	1418.	3311.	3602.	66.8	241.44	89.22	.43	-.01
1325	1983	121	20	25	121.85069	85.87984	250.38231	2153644.	1568938.	2853.	6367.	6977.	65.9	241.79	89.24	.78	.02
1326	1983	121	20	26	121.85139	85.89624	250.15874	2154706.	1571255.	3916.	8684.	9526.	65.7	242.06	89.25	1.05	.03
1327	1983	121	20	27	121.85208	85.90573	250.02470	2155349.	1572610.	4559.	10038.	11025.	65.6	242.21	89.26	1.20	.04
1328	1983	121	20	28	121.85278	85.88952	250.26354	2154174.	1570270.	3385.	7698.	8409.	66.3	241.97	89.23	.96	.01
1329	1983	121	20	29	121.85347	85.87085	250.51522	2152977.	1567641.	2189.	5068.	5521.	66.6	241.66	89.22	.64	-.00
1330	1983	121	20	30	121.85417	85.84777	250.76540	2151933.	1564554.	1146.	1981.	2288.	60.0	241.18	89.28	.16	.06
1331	1983	121	20	31	121.85486	85.82311	251.06304	2150559.	1561177.	-228.	-1396.	1414.	260.7	240.72	89.30	-.30	.08
1332	1983	121	20	32	121.85556	85.80725	251.29207	2149369.	1558909.	-1417.	-3664.	3929.	248.9	240.49	89.26	-.53	.04
1333	1983	121	20	33	121.85625	85.78879	251.52029	2148261.	1556372.	-2524.	-6202.	6696.	247.9	240.16	89.26	-.86	.04
1334	1983	121	20	38	121.85972	85.78275	251.56454	2148131.	1555621.	-2651.	-6955.	7443.	249.1	240.00	89.30	-1.02	.08
1335	1983	121	20	39	121.86042	85.83241	250.91006	2151392.	1562559.	611.	-18.	611.	358.3	239.75	89.26	-1.27	.04
1336	1983	121	20	40	121.86111	85.78290	251.60737	2147793.	1555526.	-2987.	-7051.	7657.	247.0	240.08	89.24	-.94	.02
1337	1983	121	20	41	121.86181	85.79675	251.46728	2148390.	1557348.	-2389.	-5229.	5749.	245.4	240.38	89.20	-.64	-.02
1338	1983	121	20	42	121.86250	85.81744	251.24118	2149397.	1560114.	-1382.	-2463.	2825.	240.7	240.80	89.16	-.22	-.06
1339	1983	121	20	43	121.86319	85.80820	251.34090	2148959.	1558882.	-1819.	-3696.	4119.	243.8	240.61	89.18	-.41	-.04
1340	1983	121	20	44	121.86389	85.83514	251.01136	2150519.	1562578.	-258.	-0.	258.	180.0	241.10	89.17	.08	-.05
1341	1983	121	20	45	121.86458	85.80937	251.40200	2148447.	1558847.	-2329.	-3732.	4399.	238.0	240.76	89.08	-.26	-.14
1342	1983	121	20	46	121.86528	85.82883	251.06782	2150316.	1561766.	-460.	-813.	934.	240.5	240.95	89.20	-.07	-.02
1343	1983	121	20	47	121.86597	85.82892	251.03592	2150557.	1561859.	-219.	-720.	753.	253.1	240.90	89.24	-.12	.02
1344	1983	121	20	48	121.86667	85.82850	251.08733	2150179.	1561681.	-596.	-899.	1079.	236.5	240.97	89.18	-.05	-.04
1345	1983	121	20	49	121.86736	85.82268	251.16803	2149770.	1560857.	-1004.	-1723.	1994.	239.8	240.88	89.17	-.14	-.05
1346	1983	121	20	50	121.86806	85.83701	250.98001	2150691.	1562657.	-82.	276.	288.	106.6	241.12	89.18	.10	-.04
1347	1983	121	20	51	121.86875	85.81574	251.26225	2149295.	1559882.	-1477.	-2700.	3078.	241.3	240.77	89.16	-.25	-.06
1348	1983	121	20	52	121.86944	85.84012	250.79296	2152004.	1563678.	1232.	1096.	1649.	41.7	240.93	89.37	-.09	.15

1349	1983	121	20	53	121.87014	85.83838	250.97809	2150656.	1563007.	-115.	425.	440.	105.2	241.17	89.16	.15	-.06
1350	1983	121	20	54	121.87083	85.82841	251.11920	2149938.	1561588.	-832.	-995.	1297.	230.1	241.02	89.14	-.00	-.08
1351	1983	121	20	55	121.87153	85.84516	250.81438	2151656.	1564150.	887.	1567.	1800.	60.5	241.16	89.26	.14	.04
1352	1983	121	20	56	121.87222	85.86847	250.52227	2153012.	1567372.	2243.	4789.	5288.	64.9	241.58	89.25	.56	.03
1353	1983	121	20	57	121.87292	85.88654	250.27851	2154174.	1569918.	3406.	7334.	8086.	65.1	241.88	89.26	.86	.04
1354	1983	121	20	58	121.87361	85.91249	249.91800	2155886.	1573606.	5119.	11022.	12153.	65.1	242.30	89.28	1.28	.06
1355	1983	121	20	59	121.87431	85.89408	250.17916	2154635.	1570974.	3868.	8390.	9239.	65.2	242.01	89.26	.98	.04
1356	1983	121	21	0	121.87500	85.90581	249.93359	2156025.	1572866.	5259.	10281.	11548.	62.9	242.07	89.37	1.04	.15
1357	1983	121	21	1	121.87569	85.90657	249.97267	2155705.	1572838.	4940.	10253.	11381.	64.3	242.16	89.31	1.13	.09
1358	1983	121	21	2	121.87639	85.91818	249.79209	2156604.	1574543.	5841.	11958.	13308.	64.0	242.32	89.34	1.29	.12
1359	1983	121	21	3	121.87708	85.93128	249.78128	2156182.	1575938.	5420.	13352.	14410.	67.9	242.80	89.14	1.77	-.08
1360	1983	121	21	4	121.87778	85.95352	249.34348	2158545.	1579458.	7784.	16872.	18581.	65.2	242.97	89.30	1.94	.08
1361	1983	121	21	5	121.87847	85.94496	249.50340	2157704.	1578126.	6944.	15539.	17021.	65.9	242.89	89.25	1.86	.03
1362	1983	121	21	6	121.87917	85.96228	249.23073	2159027.	1580681.	8269.	18094.	19894.	65.4	243.13	89.29	2.10	.07
1363	1983	121	21	7	121.87986	85.93028	249.72831	2156612.	1575979.	5855.	13392.	14616.	66.4	242.68	89.22	1.65	.00
1364	1983	121	21	8	121.88056	85.91651	249.89712	2155888.	1574082.	5133.	11495.	12589.	65.9	242.42	89.24	1.39	.02
1365	1983	121	21	9	121.88125	85.89982	250.02183	2155595.	1572000.	4841.	9412.	10584.	62.8	241.98	89.36	.95	.14
1366	1983	121	21	10	121.88194	85.89937	250.24705	2153928.	1571345.	3175.	8757.	9315.	70.1	242.32	89.09	1.29	-.13
1367	1983	121	21	11	121.88264	85.89749	250.10974	2155026.	1571518.	4274.	8930.	9900.	64.4	242.03	89.29	1.00	.07
1368	1983	121	21	12	121.88333	85.88811	250.26591	2154209.	1570116.	3459.	7527.	8284.	65.3	241.92	89.25	.89	.03
1369	1983	121	21	13	121.88403	85.87431	250.47032	2153188.	1568123.	2439.	5534.	6048.	66.2	241.72	89.22	.69	.01
1370	1983	121	21	14	121.88472	85.85880	250.56048	2153082.	1566256.	2334.	3667.	4347.	57.5	241.27	89.36	.24	.15
1371	1983	121	21	15	121.88542	85.82359	251.08771	2150353.	1561163.	-393.	-1427.	1480.	254.6	240.78	89.26	-.25	.05
1372	1983	121	21	16	121.88611	85.82996	251.05355	2150384.	1561923.	-361.	-667.	758.	241.6	240.97	89.20	-.06	-.01
1373	1983	121	21	17	121.88681	85.82592	251.08133	2150317.	1561425.	-426.	-1165.	1240.	249.9	240.86	89.23	-.17	.02
1374	1983	121	21	18	121.88750	85.78513	251.75839	2146544.	1555373.	-4198.	-7217.	8350.	239.8	240.43	89.00	-.60	-.21
1375	1983	121	21	20	121.88889	85.78822	251.57957	2147822.	1556158.	-2917.	-6433.	7063.	245.6	240.24	89.19	-.80	-.02
1376	1983	121	21	21	121.88958	85.80117	251.23139	2150054.	1558428.	-684.	-4163.	4219.	260.7	240.15	89.44	-.89	.23
1377	1983	121	21	22	121.89028	85.79206	251.45757	2148631.	1556879.	-2105.	-5713.	6088.	249.8	240.18	89.29	-.86	.08
1378	1983	121	21	23	121.89097	85.78608	251.57594	2147926.	1555942.	-2810.	-6650.	7219.	247.1	240.15	89.23	-.89	.02
1379	1983	121	21	24	121.89167	85.78926	251.54441	2148058.	1556359.	-2676.	-6233.	6783.	246.8	240.22	89.22	-.82	.01
1380	1983	121	21	27	121.89375	85.77551	251.75668	2146892.	1554362.	-3838.	-8231.	9082.	245.0	240.05	89.16	-.99	-.05
1381	1983	121	21	33	121.89792	85.70509	252.59137	2142727.	1544799.	-7995.	-17796.	19510.	245.8	232.76	89.16	-8.28	-.05
1382	1983	121	21	34	121.89861	85.71249	252.46311	2143498.	1545904.	-7223.	-16692.	18187.	246.6	232.82	89.22	-8.22	.01
1383	1983	121	21	36	121.90000	85.71317	252.49751	2143202.	1545890.	-7516.	-16706.	18319.	245.8	232.91	89.16	-8.13	-.05
1384	1983	121	21	37	121.90069	85.79856	251.31272	2149520.	1557940.	-1197.	-4656.	4807.	255.6	239.11	89.29	-1.93	.08
1385	1983	121	21	41	121.90347	85.80101	251.29397	2149577.	1558247.	-1135.	-4350.	4495.	255.4	240.25	89.36	-.80	.15
1386	1983	121	21	42	121.90417	85.78673	251.48580	2148601.	1556244.	-2109.	-6354.	6695.	251.6	240.02	89.34	-1.03	.13
1387	1983	121	21	43	121.90486	85.77385	251.77682	2146793.	1554135.	-3916.	-8463.	9325.	245.2	240.02	89.16	-1.03	-.05
1388	1983	121	21	44	121.90556	85.80419	251.36783	2148894.	1558390.	-1813.	-4208.	4582.	246.7	240.50	89.21	-.55	.00
1389	1983	121	21	45	121.90625	85.78744	251.52193	2148296.	1556225.	-2410.	-6373.	6814.	249.3	240.11	89.28	-.94	.07
1390	1983	121	21	48	121.90833	85.71067	253.14636	2138131.	1544032.	-12571.	-18568.	22423.	235.9	240.02	88.27	-1.03	-.93
1391	1983	121	21	51	121.91042	85.81809	251.20252	2149670.	1560284.	-1028.	-2316.	2534.	246.1	240.76	89.20	-.29	-.00
1392	1983	121	21	52	121.91111	85.82098	251.18923	2149668.	1560624.	-1029.	-1977.	2229.	242.5	240.85	89.17	-.20	-.03
1393	1983	121	21	53	121.91181	85.80857	251.39672	2148516.	1558777.	-2179.	-3824.	4401.	240.3	240.72	89.10	-.33	-.10

1394	1983	121	21	54	121.91250	85.84361	250.82630	2151622.	1563956.	928.	1355.	1642.	55.6	241.12	89.27	.07	.07
1395	1983	121	21	55	121.91319	85.83750	250.95055	2150898.	1562987.	205.	385.	436.	61.9	241.09	89.21	.04	.01
1396	1983	121	21	56	121.91389	85.83595	251.01662	2150450.	1562649.	-241.	47.	246.	168.9	241.14	89.15	.09	-.05
1397	1983	121	21	57	121.91458	85.80986	251.37323	2148651.	1558973.	-2039.	-3629.	4162.	240.7	240.73	89.11	-.32	-.09
1398	1983	121	21	58	121.91528	85.83743	250.92827	2151071.	1563037.	382.	435.	579.	48.7	241.05	89.24	-.00	.04
1399	1983	121	21	59	121.91597	85.82857	251.10945	2150007.	1561630.	-681.	-972.	1187.	235.0	241.01	89.15	-.04	-.05
1400	1983	121	22	0	121.91667	85.80778	251.39145	2148585.	1558707.	-2101.	-3896.	4427.	241.7	240.68	89.12	-.37	-.08
1401	1983	121	22	1	121.91736	85.81520	251.21578	2149672.	1559945.	-1013.	-2658.	2845.	249.1	240.67	89.23	-.39	.03
1402	1983	121	22	2	121.91806	85.83531	251.00156	2150588.	1562621.	-95.	18.	97.	169.4	241.09	89.18	.03	-.02
1403	1983	121	22	3	121.91875	85.83774	250.96300	2150794.	1562979.	112.	375.	391.	73.3	241.12	89.19	.06	-.01
1404	1983	121	22	4	121.91944	85.84180	250.93486	2150862.	1563479.	181.	875.	893.	78.3	241.23	89.16	.17	-.04
1405	1983	121	22	5	121.92014	85.85150	250.81151	2151447.	1564823.	767.	2219.	2348.	70.9	241.40	89.16	.34	-.04
1406	1983	121	22	6	121.92083	85.85552	250.65009	2152524.	1565674.	1846.	3069.	3581.	59.0	241.29	89.30	.23	.10
1407	1983	121	22	7	121.92153	85.83873	250.90400	2151208.	1563238.	532.	633.	827.	50.0	241.06	89.25	.00	.05
1408	1983	121	22	8	121.92222	85.83093	251.04904	2150384.	1562037.	-292.	-569.	639.	242.8	241.00	89.19	-.06	-.01
1409	1983	121	22	9	121.92292	85.85446	250.68739	2152280.	1565463.	1606.	2857.	3278.	60.7	241.31	89.27	.25	.07
1410	1983	121	22	10	121.92361	85.83239	251.01518	2150590.	1562279.	-83.	-327.	337.	255.7	241.00	89.21	-.06	.01
1411	1983	121	22	11	121.92431	85.84923	250.78580	2151725.	1564653.	1054.	2047.	2302.	62.8	241.27	89.23	.21	.03
1412	1983	121	22	12	121.92500	85.84547	250.84930	2151379.	1564091.	709.	1484.	1645.	64.5	241.23	89.21	.17	.01
1413	1983	121	22	13	121.92569	85.81629	251.30872	2148919.	1559818.	-1750.	-2789.	3293.	237.9	240.87	89.09	-.19	-.11
1414	1983	121	22	14	121.92639	85.82865	251.13158	2149835.	1561580.	-833.	-1027.	1322.	231.0	241.05	89.12	-.01	-.08
1415	1983	121	22	15	121.92708	85.84400	250.88357	2151172.	1563846.	506.	1238.	1338.	67.8	241.23	89.19	.17	-.01
1416	1983	121	22	16	121.92778	85.85674	250.71311	2152001.	1565634.	1337.	3026.	3308.	66.2	241.44	89.20	.38	.00
1417	1983	121	22	17	121.92847	85.83402	250.97145	2150865.	1562565.	201.	-43.	206.	348.0	240.99	89.24	-.07	.04
1418	1983	121	22	18	121.92917	85.82954	251.10497	2150006.	1561744.	-656.	-864.	1085.	232.8	241.04	89.14	-.02	-.06
1419	1983	121	22	19	121.92986	85.84295	250.86582	2151345.	1563782.	685.	1174.	1359.	59.7	241.16	89.23	.10	.03
1420	1983	121	22	20	121.93056	85.85347	250.74717	2151863.	1565200.	1204.	2591.	2857.	65.1	241.37	89.21	.31	.01
1421	1983	121	22	21	121.93125	85.84442	250.83154	2151553.	1564027.	895.	1418.	1677.	57.7	241.16	89.25	.09	.06
1422	1983	121	22	22	121.93194	85.84662	250.78000	2151864.	1564395.	1208.	1785.	2155.	55.9	241.16	89.28	.09	.09
1423	1983	121	22	23	121.93264	85.85396	250.71730	2152071.	1565332.	1416.	2722.	3068.	62.5	241.34	89.24	.27	.05
1424	1983	121	22	24	121.93333	85.83532	250.94726	2151002.	1562766.	348.	155.	381.	24.1	241.00	89.25	-.07	.06
1425	1983	121	22	25	121.93403	85.80679	251.44887	2148177.	1558454.	-2475.	-4156.	4838.	239.2	240.74	89.06	-.33	-.13
1426	1983	121	22	26	121.93472	85.83335	251.06483	2150176.	1562249.	-475.	-362.	597.	217.3	241.12	89.13	.05	-.06
1427	1983	121	22	27	121.93542	85.86107	250.69686	2151965.	1566131.	1315.	3520.	3758.	69.5	241.58	89.15	.51	-.04
1428	1983	121	22	28	121.93611	85.84588	250.85193	2151344.	1564126.	696.	1515.	1667.	65.3	241.25	89.20	.18	.01
1429	1983	121	22	29	121.93681	85.83174	251.05430	2150314.	1562108.	-333.	-504.	604.	236.6	241.04	89.17	-.03	-.02
1430	1983	121	22	30	121.93750	85.85281	250.78697	2151585.	1565025.	939.	2413.	2590.	68.7	241.41	89.17	.34	-.02
1431	1983	121	22	31	121.93819	85.83580	250.97213	2150795.	1562751.	150.	138.	204.	42.6	241.06	89.21	-.01	.02
1432	1983	121	22	32	121.93889	85.82583	251.11315	2150077.	1561333.	-566.	-1280.	1400.	246.1	240.91	89.19	-.16	-.00
1433	1983	121	22	33	121.93958	85.83483	250.97669	2150795.	1562636.	153.	24.	155.	8.7	241.03	89.22	-.04	.03
1434	1983	121	22	34	121.94028	85.82454	251.13707	2149940.	1561134.	-700.	-1479.	1637.	244.7	240.90	89.18	-.17	-.01
1435	1983	121	22	35	121.94097	85.84751	250.80768	2151621.	1564415.	982.	1802.	2052.	61.4	241.24	89.23	.17	.04
1436	1983	121	22	36	121.94167	85.83183	251.02234	2150555.	1562201.	-83.	-413.	421.	258.7	240.99	89.21	-.08	.02
1437	1983	121	22	37	121.94236	85.82525	251.17412	2149631.	1561112.	-1006.	-1502.	1808.	236.2	240.99	89.12	-.08	-.07
1438	1983	121	22	38	121.94306	85.83791	250.95317	2150863.	1563022.	228.	408.	467.	60.8	241.11	89.20	.04	.01

1439	1983	121	22	39	121.94375	85.84148	250.90003	2151138.	1563538.	504.	923.	1052.	61.4	241.16	89.21	.09	.02
1440	1983	121	22	40	121.94444	85.84238	250.87307	2151311.	1563704.	678.	1089.	1283.	58.1	241.15	89.23	.08	.04
1441	1983	121	22	41	121.94514	85.82728	251.13340	2149870.	1561431.	-761.	-1184.	1408.	237.3	241.00	89.14	-.08	-.05
1442	1983	121	22	42	121.94583	85.83190	251.04452	2150383.	1562151.	-247.	-465.	526.	242.0	241.03	89.18	-.05	-.01
1443	1983	121	22	43	121.94653	85.83855	250.96826	2150725.	1563050.	96.	434.	445.	77.5	241.16	89.17	.08	-.02
1444	1983	121	22	44	121.94722	85.82720	251.11130	2150042.	1561482.	-586.	-1135.	1277.	242.7	240.96	89.17	-.12	-.02
1445	1983	121	22	45	121.94792	85.83970	250.89939	2151208.	1563352.	582.	736.	938.	51.7	241.09	89.24	.01	.05
1446	1983	121	22	46	121.94861	85.83247	251.03737	2150417.	1562229.	-207.	-388.	440.	241.9	241.04	89.18	-.04	-.01
1447	1983	121	22	47	121.94931	85.82558	251.15468	2149768.	1561197.	-855.	-1420.	1658.	238.9	240.97	89.14	-.11	-.05
1448	1983	121	22	48	121.95000	85.82907	251.08020	2150213.	1561759.	-409.	-858.	951.	244.5	240.98	89.18	-.10	-.01
1449	1983	121	22	49	121.95069	85.84002	250.93418	2150931.	1563294.	311.	676.	744.	65.3	241.16	89.19	.08	.00
1450	1983	121	22	50	121.95139	85.82631	251.13787	2149871.	1561318.	-749.	-1300.	1500.	240.1	240.97	89.15	-.11	-.04
1451	1983	121	22	51	121.95208	85.82971	251.09522	2150075.	1561787.	-543.	-831.	993.	236.8	241.03	89.15	-.05	-.04
1452	1983	121	22	52	121.95278	85.82817	251.10682	2150041.	1561595.	-575.	-1024.	1174.	240.7	240.99	89.16	-.09	-.03
1453	1983	121	22	53	121.95347	85.83230	251.04715	2150349.	1562186.	-267.	-433.	509.	238.4	241.05	89.17	-.03	-.02
1454	1983	121	22	54	121.95417	85.83408	251.04790	2150279.	1562371.	-335.	-249.	417.	216.6	241.12	89.14	.04	-.05
1455	1983	121	22	55	121.95486	85.83303	251.03022	2150452.	1562307.	-161.	-312.	351.	242.7	241.05	89.18	-.03	-.01
1456	1983	121	22	56	121.95556	85.83141	251.07384	2150177.	1562022.	-434.	-598.	739.	234.0	241.06	89.15	-.02	-.03
1457	1983	121	22	57	121.95625	85.84345	250.83619	2151553.	1563913.	943.	1292.	1600.	53.9	241.13	89.26	.05	.08
1458	1983	121	22	58	121.95694	85.82841	251.11920	2149938.	1561588.	-671.	-1033.	1231.	237.0	241.02	89.14	-.06	-.04
1459	1983	121	22	59	121.95764	85.83710	250.94792	2150933.	1562951.	325.	330.	463.	45.4	241.07	89.22	-.01	.04
1460	1983	121	23	0	121.95833	85.83247	251.03737	2150417.	1562229.	-189.	-392.	435.	244.3	241.04	89.18	-.04	-.00
1461	1983	121	23	1	121.95903	85.83637	250.96494	2150829.	1562829.	225.	208.	306.	42.8	241.07	89.21	-.01	.03
1462	1983	121	23	2	121.95972	85.83961	250.93155	2150966.	1563258.	363.	637.	733.	60.3	241.14	89.20	.05	.02
1463	1983	121	23	3	121.96042	85.83994	250.91186	2151104.	1563345.	502.	723.	880.	55.2	241.12	89.22	.03	.04
1464	1983	121	23	4	121.96111	85.83637	250.96494	2150829.	1562829.	229.	207.	308.	42.2	241.07	89.21	-.02	.03
1465	1983	121	23	5	121.96181	85.83531	251.00156	2150588.	1562621.	-11.	-1.	11.	186.1	241.09	89.18	.00	-.00
1466	1983	121	23	6	121.96250	85.83531	251.00156	2150588.	1562621.	-10.	-1.	10.	188.6	241.09	89.18	.00	-.00
1467	1983	121	23	7	121.96319	85.83020	251.06594	2150281.	1561916.	-316.	-708.	775.	245.9	241.00	89.18	-.09	-.00
1468	1983	121	23	8	121.96389	85.83384	251.03548	2150382.	1562378.	-213.	-245.	325.	229.0	241.09	89.16	.00	-.02
1469	1983	121	23	9	121.96458	85.82023	251.25962	2149155.	1560361.	-1439.	-2263.	2682.	237.5	240.94	89.09	-.15	-.09
1470	1983	121	23	10	121.96528	85.84303	250.88819	2151172.	1563731.	580.	1107.	1250.	62.4	241.20	89.20	.11	.02
1471	1983	121	23	11	121.96597	85.84262	250.88556	2151207.	1563696.	616.	1071.	1236.	60.1	241.18	89.21	.09	.03
1472	1983	121	23	12	121.96667	85.83417	251.01589	2150520.	1562464.	-70.	-160.	175.	246.4	241.07	89.18	-.02	-.00
1473	1983	121	23	13	121.96736	85.84092	250.90726	2151104.	1563459.	515.	834.	980.	58.3	241.15	89.21	.06	.03
1474	1983	121	23	14	121.96806	85.84051	250.90464	2151139.	1563424.	551.	798.	970.	55.4	241.13	89.22	.04	.04
1475	1983	121	23	15	121.96875	85.84181	250.88031	2151276.	1563625.	690.	999.	1214.	55.4	241.14	89.23	.05	.05
1476	1983	121	23	16	121.96944	85.84165	250.89017	2151207.	1563581.	623.	955.	1140.	56.9	241.15	89.22	.06	.04
1477	1983	121	23	17	121.97014	85.83174	251.05430	2150314.	1562108.	-269.	-519.	584.	242.6	241.04	89.17	-.05	-.01
1478	1983	121	23	18	121.97083	85.83368	251.04527	2150313.	1562335.	-269.	-291.	396.	227.3	241.10	89.15	.01	-.03
1479	1983	121	23	19	121.97153	85.83360	251.02306	2150486.	1562386.	-95.	-241.	259.	248.5	241.06	89.18	-.03	.00
1480	1983	121	23	20	121.97222	85.83750	250.95055	2150898.	1562987.	319.	360.	480.	48.5	241.09	89.21	-.00	.03
1481	1983	121	23	21	121.97292	85.83124	251.08360	2150108.	1561979.	-470.	-649.	801.	234.1	241.07	89.14	-.02	-.04
1482	1983	121	23	22	121.97361	85.83628	250.99701	2150588.	1562735.	11.	108.	108.	84.1	241.12	89.17	.02	-.01
1483	1983	121	23	23	121.97431	85.82249	251.23147	2149290.	1560672.	-1285.	-1956.	2340.	236.7	240.98	89.09	-.12	-.09

1484	1983	121	23	24	121.97500	85.82678	251.16259	2149664.	1561303.	-910.	-1325.	1607.	235.5	241.03	89.11	-.07	-.07
1485	1983	121	23	25	121.97569	85.82897	251.11209	2149972.	1561666.	-601.	-963.	1135.	238.0	241.03	89.14	-.07	-.04
1486	1983	121	23	26	121.97639	85.83278	251.07197	2150142.	1562171.	-430.	-458.	628.	226.8	241.11	89.13	.01	-.05
1487	1983	121	23	27	121.97708	85.82711	251.14314	2149801.	1561389.	-769.	-1241.	1459.	238.2	241.01	89.13	-.09	-.05
1488	1983	121	23	28	121.97778	85.83490	250.99893	2150623.	1562586.	54.	-44.	70.	321.3	241.07	89.19	-.03	.01
1489	1983	121	23	29	121.97847	85.83734	250.96037	2150829.	1562943.	262.	314.	408.	50.2	241.10	89.20	.00	.02
1490	1983	121	23	30	121.97917	85.84573	250.80710	2151691.	1564229.	1125.	1599.	1955.	54.9	241.17	89.26	.07	.09
1491	1983	121	23	31	121.97986	85.83141	251.07384	2150177.	1562022.	-388.	-609.	722.	237.5	241.06	89.15	-.04	-.02
1492	1983	121	23	32	121.98056	85.83027	251.08810	2150109.	1561865.	-455.	-765.	890.	239.3	241.04	89.15	-.06	-.02
1493	1983	121	23	33	121.98125	85.84092	250.90726	2151104.	1563459.	542.	828.	990.	56.8	241.15	89.21	.05	.04
1494	1983	121	23	34	121.98194	85.83457	251.01853	2150485.	1562500.	-75.	-131.	152.	240.1	241.09	89.17	-.01	-.00
1495	1983	121	23	35	121.98264	85.83011	251.09785	2150040.	1561822.	-519.	-809.	962.	237.3	241.05	89.14	-.05	-.03
1496	1983	121	23	36	121.98333	85.84907	250.74085	2152072.	1564756.	1514.	2124.	2608.	54.5	241.19	89.29	.09	.12
1497	1983	121	23	37	121.98403	85.82525	251.17412	2149631.	1561112.	-926.	-1520.	1780.	238.7	240.99	89.12	-.11	-.05
1498	1983	121	23	38	121.98472	85.83214	251.05693	2150280.	1562143.	-276.	-489.	562.	240.6	241.06	89.16	-.04	-.01
1499	1983	121	23	39	121.98542	85.83011	251.09785	2150040.	1561822.	-514.	-810.	960.	237.6	241.05	89.14	-.05	-.03
1500	1983	121	23	40	121.98611	85.84132	250.90989	2151069.	1563495.	516.	862.	1005.	59.1	241.17	89.20	.07	.03
1501	1983	121	23	41	121.98681	85.83620	250.97476	2150760.	1562786.	209.	153.	259.	36.2	241.08	89.20	-.02	.03
1502	1983	121	23	42	121.98750	85.84360	250.88094	2151207.	1563810.	657.	1177.	1348.	60.8	241.21	89.20	.10	.03
1503	1983	121	23	43	121.98819	85.83644	250.98720	2150657.	1562778.	108.	145.	180.	53.2	241.11	89.18	.00	.01
1504	1983	121	23	44	121.98889	85.83360	251.02306	2150486.	1562386.	-62.	-248.	256.	256.1	241.06	89.18	-.05	.01
1505	1983	121	23	45	121.98958	85.83547	250.99175	2150657.	1562664.	111.	30.	115.	15.1	241.08	89.19	-.03	.02
1506	1983	121	23	46	121.99028	85.84075	250.91712	2151035.	1563416.	490.	781.	922.	57.9	241.16	89.20	.05	.03
1507	1983	121	23	47	121.99097	85.84727	250.79514	2151725.	1564423.	1182.	1788.	2143.	56.5	241.21	89.25	.10	.08
1508	1983	121	23	48	121.99167	85.84222	250.88293	2151242.	1563660.	700.	1025.	1241.	55.7	241.16	89.22	.05	.05
1509	1983	121	23	49	121.99236	85.84915	250.76333	2151898.	1564704.	1358.	2069.	2474.	56.7	241.23	89.26	.12	.09
1510	1983	121	23	50	121.99306	85.83538	251.02379	2150416.	1562571.	-123.	-65.	140.	207.9	241.13	89.15	.02	-.02
1511	1983	121	23	51	121.99375	85.84181	250.88031	2151276.	1563625.	738.	988.	1234.	53.2	241.14	89.23	.03	.06
1512	1983	121	23	52	121.99444	85.83611	251.00682	2150519.	1562692.	-18.	56.	58.	107.7	241.13	89.16	.02	-.01
1513	1983	121	23	53	121.99514	85.83758	250.97282	2150725.	1562936.	190.	299.	354.	57.6	241.13	89.18	.02	.01
1514	1983	121	23	54	121.99583	85.83791	250.95317	2150863.	1563022.	329.	385.	506.	49.5	241.11	89.20	-.00	.03
1515	1983	121	23	55	121.99653	85.83888	250.94860	2150863.	1563136.	330.	499.	598.	56.5	241.14	89.19	.03	.02
1516	1983	121	23	56	121.99722	85.84670	250.80243	2151691.	1564344.	1159.	1706.	2063.	55.8	241.20	89.25	.09	.08
1517	1983	121	23	57	121.99792	85.83465	251.04075	2150313.	1562449.	-217.	-189.	288.	221.0	241.13	89.14	.02	-.03
1518	1983	121	23	58	121.99861	85.83831	250.95580	2150828.	1563058.	300.	419.	515.	54.4	241.13	89.19	.02	.02
1519	1983	121	23	59	121.99931	85.84092	250.90726	2151104.	1563459.	577.	820.	1003.	54.9	241.15	89.21	.04	.04
1520	1983	122	0	0	122.00000	85.83254	251.05956	2150245.	1562178.	-281.	-461.	539.	238.6	241.08	89.15	-.03	-.02
1521	1983	122	0	1	122.00069	85.83214	251.05693	2150280.	1562143.	-244.	-497.	553.	243.8	241.06	89.16	-.05	-.01
1522	1983	122	0	2	122.00139	85.83238	251.06934	2150176.	1562135.	-346.	-505.	612.	235.6	241.09	89.14	-.03	-.03
1523	1983	122	0	3	122.00208	85.84228	250.95984	2150654.	1563464.	134.	823.	834.	80.8	241.29	89.12	.17	-.04
1524	1983	122	0	4	122.00278	85.83181	251.07647	2150142.	1562057.	-376.	-584.	695.	237.3	241.08	89.14	-.04	-.02
1525	1983	122	0	5	122.00347	85.83538	251.02379	2150416.	1562571.	-100.	-71.	123.	215.5	241.13	89.15	.01	-.01
1526	1983	122	0	6	122.00417	85.82938	251.11472	2149937.	1561701.	-577.	-942.	1104.	238.5	241.05	89.13	-.07	-.03
1527	1983	122	0	7	122.00486	85.83531	251.00156	2150588.	1562621.	76.	-22.	79.	343.9	241.09	89.18	-.03	.02
1528	1983	122	0	8	122.00556	85.83855	250.96826	2150725.	1563050.	215.	406.	459.	62.1	241.16	89.17	.04	.01

1529	1983	122	0	9	122.00625	85.83011	251.09785	2150040.	1561822.	-468.	-822.	946.	240.4	241.05	89.14	-.07	-.02
1530	1983	122	0	10	122.00694	85.82282	251.21209	2149427.	1560757.	-1079.	-1888.	2174.	240.3	240.96	89.11	-.16	-.05
1531	1983	122	0	11	122.00764	85.83067	251.09073	2150074.	1561901.	-430.	-745.	860.	240.0	241.06	89.14	-.06	-.02
1532	1983	122	0	12	122.00833	85.82978	251.11736	2149903.	1561736.	-599.	-910.	1089.	236.6	241.07	89.12	-.05	-.04
1533	1983	122	0	13	122.00903	85.82954	251.10497	2150006.	1561744.	-494.	-903.	1029.	241.3	241.04	89.14	-.08	-.02
1534	1983	122	0	14	122.00972	85.83531	251.00156	2150588.	1562621.	90.	-26.	94.	343.8	241.09	89.18	-.03	.02
1535	1983	122	0	15	122.01042	85.82961	251.12711	2149834.	1561694.	-662.	-955.	1162.	235.3	241.08	89.11	-.05	-.05
1536	1983	122	0	16	122.01111	85.83124	251.08360	2150108.	1561979.	-386.	-670.	773.	240.1	241.07	89.14	-.06	-.02
1537	1983	122	0	17	122.01181	85.82622	251.16968	2149630.	1561225.	-862.	-1425.	1665.	238.8	241.02	89.11	-.11	-.05
1538	1983	122	0	18	122.01250	85.83067	251.09073	2150074.	1561901.	-416.	-750.	857.	241.0	241.06	89.14	-.07	-.02
1539	1983	122	0	19	122.01319	85.82885	251.19793	2149319.	1561429.	-1169.	-1222.	1691.	226.3	241.17	89.03	.04	-.13
1540	1983	122	0	20	122.01389	85.82885	251.19793	2149319.	1561429.	-1167.	-1222.	1690.	226.3	241.17	89.03	.04	-.13

APPENDIX E

OMEGA LISTINGS

- E.1 Listing of #OM12H (12 hour data, manually recorded at CESAR)
- E.2 Listing of \$OM12H (reformatted 12 hour data)
- E.3 Listing of #OM10M (10 minute data, manually recorded at CESAR)
- E.4 Listing of \$OM10M (reformatted 10 minute data)

#OM12H T=00003 IS ON CR DW USING 00200 BLKS R=0000

0001	OMEGA	POSNS	AT	12	HOUR	INTVLS	(90-3:30	TO	138-0:0)	112	RECS
0002	YEAR	DAY	TIME	LAT	LONG						
0003	1983	90	03:30	85	48.0	110	43.3				
0004	1983	90	12:00	85	47.1	111	08.4				
0005	1983	91	04:06	85	40.4	110	40.6				
0006	1983	91	05:05	85	48.7	110	49.7	RESET			
0007	1983	91	12:00	85	41.2	111	01.5				
0008	1983	92	00:00	85	42.3	111	29.7				
0009	1983	92	12:00	85	41.3	111	11.2				
0010	1983	92	16:15	85	48.9	111	05.6	RESET			
0011	1983	93	10:00	85	47.1	110	53.1				
0012	1983	93	10:01	85	48.6	110	58.5	RESET RECORD	93-10:00	TO	93-23:05
0013	1983	93	12:00	85	47.2	111	22.8				
0014	1983	93	23:05	85	43.4	112	20.8	RECORD	93-23:05	TO	94-12:50
0015	1983	94	00:30	85	43.0	112	14.4				
0016	1983	94	12:50	85	39.3	114	39.9				
0017	1983	94	22:30	85	48.4	110	45.9	RESET			
0018	1983	95	00:00	85	49.3	110	45.5				
0019	1983	95	12:00	85	47.8	110	57.0				
0020	1983	96	00:00	85	49.8	110	44.9				
0021	1983	96	12:00	85	47.7	110	51.1				
0022	1983	97	00:00	85	50.3	110	53.6				
0023	1983	97	12:00	85	47.0	110	52.9				
0024	1983	98	00:00	85	50.4	110	54.7				
0025	1983	98	12:00	85	46.3	111	26.4				
0026	1983	99	00:00	85	49.5	110	39.6				
0027	1983	99	12:00	85	46.4	110	50.9				
0028	1983	99	14:30	85	48.1	110	42.3	RESET			
0029	1983	99	18:00	85	47.8	110	37.7	RESET			
0030	1983	100	00:00	85	48.1	110	46.8				
0031	1983	100	12:00	85	44.0	110	56.9				
0032	1983	101	00:00	85	46.3	111	06.6				
0033	1983	101	12:50	85	42.7	111	23.8				
0034	1983	102	00:50	85	46.4	110	51.5				
0035	1983	102	12:00	85	43.7	111	09.1				
0036	1983	102	20:08	85	45.3	110	52.4	RESET			
0037	1983	103	00:50	85	47.9	110	54.4				
0038	1983	103	02:15	85	45.7	110	51.3	RESET RECORD	103-02:15	TO	??
0039	1983	103	12:00	85	45.6	111	21.1				
0040	1983	104	00:00	85	49.9	110	39.3				
0041	1983	104	12:00	85	49.2	110	25.4				
0042	1983	105	00:00	85	51.9	110	10.2				
0043	1983	105	12:00	85	50.6	109	47.2				

0044	1983	106	00:00	85	53.0	109	06.3	
0045	1983	106	12:30	85	51.0	109	02.2	
0046	1983	107	00:00	85	54.1	108	41.1	
0047	1983	107	00:35	85	53.1	108	47.5	RESET
0048	1983	107	12:00	85	51.0	109	03.4	
0049	1983	108	00:00	85	53.8	108	39.7	
0050	1983	108	12:00	85	50.1	109	02.7	
0051	1983	109	00:00	85	48.6	108	07.8	
0052	1983	109	12:30	85	51.8	108	39.8	
0053	1983	110	00:00	85	54.0	108	33.4	
0054	1983	110	12:00	85	50.3	108	58.5	
0055	1983	111	00:00	85	53.7	108	28.5	
0056	1983	111	12:00	85	51.0	108	45.0	
0057	1983	112	00:00	85	53.4	108	36.1	
0058	1983	112	12:00	85	51.4	108	39.6	
0059	1983	113	00:00	85	51.7	108	24.0	
0060	1983	113	12:00	85	50.8	108	49.1	
0061	1983	113	14:55	85	52.2	108	41.2	RESET
0062	1983	113	18:40	85	52.0	108	44.0	RESET RECORD 113-18:43 TO 114-11:54
0063	1983	114	01:45	85	51.6	108	52.6	
0064	1983	114	12:00	85	49.6	109	58.7	RECORD 114-11:54 TO 115-00:30
0065	1983	115	00:00	85	52.1	108	50.9	RECORD 115-00:30 TO ???
0066	1983	115	12:00	85	49.1	108	50.7	
0067	1983	116	00:30	85	50.9	109	06.0	
0068	1983	116	12:00	85	48.3	109	08.6	
0069	1983	117	00:00	85	51.7	109	11.7	
0070	1983	117	12:00	85	48.4	109	07.7	
0071	1983	118	00:00	85	50.7	109	14.3	
0072	1983	118	12:00	85	49.0	109	28.1	
0073	1983	119	00:00	85	50.7	109	04.6	
0074	1983	119	12:00	85	48.9	109	10.7	
0075	1983	120	00:00	85	50.6	109	14.0	
0076	1983	120	12:00	85	48.6	109	06.4	
0077	1983	120	17:00	85	49.5	109	11.1	RESET
0078	1983	121	00:00	85	50.9	109	05.5	
0079	1983	121	12:00	85	49.1	109	10.3	
0080	1983	122	05:50	85	50.5	108	45.2	
0081	1983	122	12:00	85	49.4	108	47.8	
0082	1983	123	00:00	85	52.4	108	27.5	RECORD 123-00:00 TO 124-00:00
0083	1983	123	12:00	85	49.9	108	19.8	
0084	1983	124	00:00	85	52.8	108	06.3	
0085	1983	124	12:00	85	49.9	108	12.7	
0086	1983	125	00:00	85	52.8	108	06.1	
0087	1983	125	12:00	85	50.1	108	17.4	
0088	1983	126	00:00	85	51.7	108	18.8	

0089	1983	126	12:00	85	49.8	108	10.8	
0090	1983	126	22:20	85	50.8	108	19.0	RESET
0091	1983	127	00:00	85	52.1	108	16.4	
0092	1983	127	12:00	85	49.7	108	23.0	
0093	1983	128	00:30	85	51.5	108	15.8	
0094	1983	128	12:00	85	49.6	108	12.0	
0095	1983	129	00:00	85	52.0	108	13.7	
0096	1983	129	12:00	85	49.6	108	16.3	
0097	1983	130	00:00	85	51.7	108	27.8	
0098	1983	130	12:00	85	49.5	108	11.9	
0099	1983	131	00:00	85	51.9	108	06.2	
0100	1983	131	12:00	85	49.2	108	28.6	
0101	1983	132	00:00	85	52.6	108	14.8	
0102	1983	132	12:00	85	48.3	108	46.9	
0103	1983	133	00:00	85	52.4	108	00.1	
0104	1983	133	12:00	85	49.8	108	20.2	
0105	1983	133	16:10	85	51.1	108	13.8	RESET
0106	1983	134	00:00	85	52.0	108	11.4	RECORD 134-00:00 TO 134-13:42
0107	1983	134	12:00	85	49.0	108	19.4	RECORD 134-13:42 TO 135-02:30
0108	1983	135	00:00	85	50.7	108	33.6	
0109	1983	135	12:00	85	41.0	108	32.4	
0110	1983	136	00:00	85	42.6	108	20.0	
0111	1983	136	12:00	85	45.1	108	58.5	
0112	1983	137	00:00	85	44.5	108	46.1	
0113	1983	137	12:00	85	40.4	109	04.5	
0114	1983	138	00:00	85	42.8	109	08.3	

#OM12H T=00004 IS ON CR DW USING 00047 BLKS R=0000

0001	OMEGA POSNS AT 12 HOUR INTVL (90-3:30 TO 138-0:0) 112 RECS										
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORTHING	EASTING	ERR-NOR	ERR-EAS	ERR-RAD	ERR-AZ
0003	1983	90 3 30	90.14583	85.8000000	249.2783333	2165061.	1563677.	-142.	-1543.	1550.	-95.27
0004	1983	90 12 0	90.50000	85.7850000	248.8600000	2168844.	1563338.	3550.	-1837.	3997.	-27.36
0005	1983	91 4 6	91.17083	85.6733333	249.3233333	2169691.	1550372.	4296.	-14941.	15547.	-73.96
0006	1983	91 5 5	91.21181	85.8116667	249.1716667	2165412.	1565197.	-1.	-134.	134.	-90.26
0007	1983	91 12 0	91.50000	85.6866667	248.9750000	2171889.	1552796.	6213.	-12640.	14085.	-63.82
0008	1983	92 0 0	92.00000	85.7050000	248.5050000	2174805.	1556118.	8048.	-9947.	12796.	-51.02
0009	1983	92 12 0	92.50000	85.6883333	248.8133333	2173084.	1553456.	5688.	-12862.	14064.	-66.15
0010	1983	92 16 15	92.67708	85.8150000	248.9066667	2167288.	1566312.	10.	207.	208.	87.31
0011	1983	93 10 0	93.41667	85.7850000	249.1150000	2166899.	1562591.	480.	-2885.	2924.	-80.55
0012	1983	93 10 1	93.41736	85.8100000	249.0250000	2166591.	1565449.	173.	-27.	175.	-8.70
0013	1983	93 12 0	93.50000	85.7866667	248.6200000	2170604.	1564222.	4278.	-1205.	4445.	-15.73
0014	1983	93 23 5	93.96181	85.7233333	247.6533333	2180609.	1560650.	14918.	-4171.	15490.	-15.62
0015	1983	94 0 30	94.02083	85.7166667	247.7600000	2180071.	1559628.	14452.	-5118.	15332.	-19.50
0016	1983	94 12 50	94.53472	85.6550000	245.3350000	2201404.	1561412.	36149.	-3129.	36284.	-4.95
0017	1983	94 22 30	94.93750	85.8066667	249.2350000	2165129.	1564495.	-16.	-18.	24.	-131.57
0018	1983	95 0 0	95.00000	85.8216667	249.2416667	2164487.	1566035.	-639.	1531.	1659.	-247.34
0019	1983	95 12 0	95.50000	85.7966667	249.0500000	2166931.	1563992.	2092.	-413.	2133.	-11.17
0020	1983	96 0 0	96.00000	85.8300000	249.2516667	2164083.	1566872.	-741.	2384.	2497.	-252.74
0021	1983	96 12 0	96.50000	85.7950000	249.1483333	2166249.	1563533.	1435.	-935.	1713.	-33.09
0022	1983	97 0 0	97.00000	85.8383333	249.1066667	2164848.	1568154.	36.	3707.	3708.	89.44
0023	1983	97 12 0	97.50000	85.7833333	249.1183333	2166940.	1562408.	2157.	-2061.	2983.	-43.70
0024	1983	98 0 0	98.00000	85.8400000	249.0883333	2164920.	1568380.	108.	3903.	3905.	88.41
0025	1983	98 12 0	98.50000	85.7716667	248.5600000	2171670.	1562849.	6893.	-1608.	7078.	-13.13
0026	1983	99 0 0	99.00000	85.8250000	249.3400000	2163611.	1566100.	-1178.	1645.	2023.	-234.39
0027	1983	99 12 0	99.50000	85.7733333	249.1516667	2167081.	1561272.	2258.	-2938.	3705.	-52.46
0028	1983	99 14 30	99.60417	85.8016667	249.2950000	2164869.	1563802.	163.	-111.	197.	-34.39
0029	1983	99 18 0	99.75000	85.7966667	249.3716667	2164481.	1563062.	-318.	141.	348.	-203.85
0030	1983	100 0 0	100.00000	85.8016667	249.2200000	2165440.	1564018.	183.	2868.	2874.	86.35
0031	1983	100 12 0	100.50000	85.7333333	249.0516667	2169436.	1557412.	2074.	-2477.	3231.	-50.06
0032	1983	101 0 0	101.00000	85.7716667	248.8900000	2169149.	1561867.	457.	2561.	2602.	79.88
0033	1983	101 12 50	101.53472	85.7116667	248.6033333	2173773.	1556508.	5570.	-2676.	6179.	-25.67
0034	1983	102 0 50	102.03472	85.7733333	249.1416667	2167157.	1561301.	-986.	2054.	2278.	-244.36
0035	1983	102 12 0	102.50000	85.7283333	248.8483333	2171206.	1557497.	3110.	-1770.	3578.	-29.64
0036	1983	102 20 8	102.83889	85.7550000	249.1266667	2167998.	1559441.	18.	-77.	79.	-77.00
0037	1983	103 0 50	103.03472	85.7983333	249.0933333	2166536.	1564039.	-1084.	4003.	4147.	-254.85
0038	1983	103 2 15	103.09375	85.7616667	249.1450000	2167593.	1560080.	95.	-109.	145.	-49.13
0039	1983	103 12 0	103.50000	85.7600000	248.6483333	2171468.	1561376.	4969.	-197.	4973.	-2.27
0040	1983	104 0 0	104.00000	85.8316667	249.3450000	2163312.	1566779.	-799.	2580.	2701.	-252.79
0041	1983	104 12 0	104.50000	85.8200000	249.5766667	2162011.	1564907.	1286.	-263.	1313.	-11.57
0042	1983	105 0 0	105.00000	85.8650000	249.8300000	2158361.	1568890.	-200.	2863.	2870.	-266.01
0043	1983	105 12 0	105.50000	85.8433333	250.2133333	2156289.	1565574.	243.	-2236.	2249.	-83.80

0044	1983	106	0	0	106.00000	85.8833333	250.8950000	2149654.	1567947.	-2449.	738.	2558.	-196.77
0045	1983	106	12	30	106.52083	85.8500000	250.9633333	2150347.	1564266.	1659.	-2766.	3225.	-59.07
0046	1983	107	0	0	107.00000	85.9016667	251.3150000	2145830.	1568792.	-1408.	1430.	2007.	-225.45
0047	1983	107	0	35	107.02431	85.8850000	251.2083333	2147229.	1567310.	1.	-52.	52.	-88.87
0048	1983	107	12	0	107.50000	85.8500000	250.9433333	2150499.	1564319.	3460.	-2715.	4399.	-38.12
0049	1983	108	0	0	108.00000	85.8966667	251.3383333	2145832.	1568206.	-1059.	1183.	1588.	-228.18
0050	1983	108	12	0	108.50000	85.8350000	250.9550000	2150955.	1562712.	4163.	-4274.	5966.	-45.76
0051	1983	109	0	0	109.00000	85.8100000	251.8700000	2144817.	1557716.	-1656.	-9054.	9204.	-100.36
0052	1983	109	12	30	109.52083	85.8633333	251.3366667	2147031.	1564700.	594.	-2073.	2157.	-74.02
0053	1983	110	0	0	110.00000	85.9000000	251.4433333	2144923.	1568291.	-1415.	1824.	2309.	-232.19
0054	1983	110	12	0	110.50000	85.8383333	251.0250000	2150300.	1562878.	4066.	-3398.	5299.	-39.89
0055	1983	111	0	0	111.00000	85.8950000	251.5250000	2144483.	1567558.	-1757.	1297.	2183.	-216.43
0056	1983	111	12	0	111.50000	85.8500000	251.2500000	2148165.	1563519.	1751.	-2377.	2952.	-53.62
0057	1983	112	0	0	112.00000	85.8900000	251.3983333	2145616.	1567351.	-878.	1642.	1862.	-241.88
0058	1983	112	12	0	112.50000	85.8566667	251.3400000	2147242.	1563989.	678.	-1655.	1788.	-67.71
0059	1983	113	0	0	113.00000	85.8616667	251.6000000	2145087.	1563853.	-1531.	-1777.	2346.	-130.75
0060	1983	113	12	0	113.50000	85.8466667	251.1816667	2148805.	1563346.	1862.	-2152.	2846.	-49.13
0061	1983	113	14	55	113.62153	85.8700000	251.3133333	2146970.	1565462.	-179.	65.	190.	-199.97
0062	1983	113	18	40	113.77778	85.8666667	251.2666667	2147443.	1565231.	-104.	20.	106.	-190.68
0063	1983	114	1	45	114.07292	85.8600000	251.1233333	2148770.	1564900.	361.	51.	365.	8.03
0064	1983	114	12	0	114.50000	85.8266667	250.0216667	2158374.	1564358.	8931.	-87.	8932.	-56
0065	1983	115	0	0	115.00000	85.8683333	251.1516667	2148256.	1565703.	-1663.	1650.	2343.	-224.77
0066	1983	115	12	0	115.50000	85.8183333	251.1550000	2150026.	1560434.	-18.	-2970.	2970.	-90.35
0067	1983	116	0	30	116.02083	85.8483333	250.9000000	2150889.	1564257.	-1470.	1946.	2439.	-232.94
0068	1983	116	12	0	116.50000	85.8050000	250.8566667	2152799.	1559821.	-366.	-2531.	2557.	-98.24
0069	1983	117	0	0	117.00000	85.8616667	250.8050000	2151124.	1565908.	-1603.	3650.	3986.	-246.29
0070	1983	117	12	0	117.50000	85.8066667	250.8716667	2152623.	1559956.	-143.	-2309.	2313.	-93.55
0071	1983	118	0	0	118.00000	85.8450000	250.7616667	2152063.	1564273.	-1139.	1963.	2270.	-239.88
0072	1983	118	12	0	118.50000	85.8166667	250.5316667	2154861.	1561918.	1686.	-333.	1718.	-11.19
0073	1983	119	0	0	119.00000	85.8450000	250.9233333	2150833.	1563846.	-2377.	1668.	2904.	-215.06
0074	1983	119	12	0	119.50000	85.8150000	250.8216667	2152702.	1560964.	-230.	-1199.	1221.	-100.85
0075	1983	120	0	0	120.00000	85.8433333	250.7666667	2152086.	1564085.	-601.	1936.	2027.	-252.76
0076	1983	120	12	0	120.50000	85.8100000	250.8933333	2152335.	1560248.	49.	-1869.	1869.	-88.50
0077	1983	120	17	0	120.70833	85.8250000	250.8150000	2152388.	1562032.	296.	-71.	304.	-13.49
0078	1983	121	0	0	121.00000	85.8483333	250.9083333	2150826.	1564236.	-1123.	2075.	2359.	-241.57
0079	1983	121	12	0	121.50000	85.8183333	250.8283333	2152529.	1561297.	1151.	-1071.	1573.	-42.94
0080	1983	122	5	50	122.24306	85.8416667	251.2466667	2148488.	1562651.	-1325.	-214.	1342.	-170.85
0081	1983	122	12	0	122.50000	85.8233333	251.2033333	2149476.	1560834.	68.	-2195.	2196.	-88.23
0082	1983	123	0	0	123.00000	85.8733333	251.5416667	2145120.	1565231.	-1854.	1088.	2150.	-210.41
0083	1983	123	12	0	123.50000	85.8316667	251.6700000	2145603.	1560510.	798.	-3327.	3421.	-76.52
0084	1983	124	0	0	124.00000	85.8800000	251.8950000	2142206.	1565049.	-1639.	1522.	2237.	-222.88
0085	1983	124	12	0	124.50000	85.8316667	251.7883333	2144695.	1560211.	816.	-3362.	3460.	-76.36
0086	1983	125	0	0	125.00000	85.8800000	251.8983333	2142181.	1565041.	-1581.	1071.	1910.	-214.10
0087	1983	125	12	0	125.50000	85.8350000	251.7100000	2145179.	1560761.	785.	-2517.	2637.	-72.67
0088	1983	126	0	0	126.00000	85.8616667	251.6866667	2144427.	1563634.	-19.	781.	781.	-268.60

0089	1983	126	12	0	126.50000	85.8300000	251.8200000	2144509.	1559955.	-124.	-2632.	2635.	-92.69
0090	1983	126	22	20	126.93056	85.8466667	251.6833333	2144976.	1562059.	-167.	-223.	279.	-126.84
0091	1983	127	0	0	127.00000	85.8683333	251.7266667	2143890.	1564237.	-1320.	1983.	2382.	-236.35
0092	1983	127	12	0	127.50000	85.8283333	251.6166667	2146129.	1560294.	709.	-1883.	2012.	-69.38
0093	1983	128	0	30	128.02083	85.8583333	251.7366667	2144162.	1563156.	-1466.	1107.	1838.	-217.06
0094	1983	128	12	0	128.50000	85.8266667	251.8000000	2144779.	1559653.	-730.	-2440.	2547.	-106.66
0095	1983	129	0	0	129.00000	85.8666667	251.7716667	2143606.	1563948.	-1824.	1829.	2583.	-225.07
0096	1983	129	12	0	129.50000	85.8266667	251.7283333	2145329.	1559835.	-35.	-2301.	2302.	-90.86
0097	1983	130	0	0	130.00000	85.8616667	251.5366667	2145569.	1564014.	385.	1814.	1854.	78.02
0098	1983	130	12	0	130.50000	85.8250000	251.8016667	2144824.	1559473.	-232.	-2854.	2864.	-94.65
0099	1983	131	0	0	131.00000	85.8650000	251.8966667	2142711.	1563460.	-2253.	1158.	2533.	-207.20
0100	1983	131	12	0	131.50000	85.8200000	251.5233333	2147138.	1559654.	2214.	-2675.	3472.	-50.38
0101	1983	132	0	0	132.00000	85.8766667	251.7533333	2143397.	1565050.	-1295.	2594.	2899.	-243.47
0102	1983	132	12	0	132.50000	85.8050000	251.2183333	2150017.	1558865.	5672.	-3711.	6778.	-33.19
0103	1983	133	0	0	133.00000	85.8733333	251.9983333	2141650.	1564088.	-2286.	1338.	2649.	-210.35
0104	1983	133	12	0	133.50000	85.8300000	251.6633333	2145712.	1560351.	1637.	-2292.	2816.	-54.46
0105	1983	133	16	10	133.67361	85.8516667	251.7700000	2144140.	1562369.	-132.	-163.	209.	-129.02
0106	1983	134	0	0	134.00000	85.8666667	251.8100000	2143314.	1563852.	-1516.	1675.	2259.	-227.85
0107	1983	134	12	0	134.50000	85.8166667	251.6766667	2146076.	1558910.	49.	-2682.	2682.	-88.96
0108	1983	135	0	0	135.00000	85.8450000	251.4400000	2146894.	1562503.	-1491.	1938.	2446.	-232.43
0109	1983	135	12	0	135.50000	85.6833333	251.4600000	2152456.	1545413.	1833.	-13943.	14063.	-82.51
0110	1983	136	0	0	136.00000	85.7100000	251.6666667	2149883.	1547680.	-2035.	-10001.	10206.	-101.50
0111	1983	136	12	0	136.50000	85.7516667	251.0250000	2153433.	1553767.	465.	-761.	892.	-58.60
0112	1983	137	0	0	137.00000	85.7416667	251.2316667	2152180.	1552164.	-2003.	931.	2209.	-204.92
0113	1983	137	12	0	137.50000	85.6733333	250.9250000	2157057.	1545805.	752.	-2325.	2443.	-72.07
0114	1983	138	0	0	138.00000	85.7133333	250.8616667	2156101.	1550180.	-203.	2008.	2018.	-264.23

#OM10M T=00004 IS ON CR DW USING 00011 BLKS R=0000

0001 OMEGA POSNS AT 10 MIN INTVLS (123-15:00:00 TO 124-04:00:00)
0002 YEAR DAY TIME LAT LONG
0003 1983 123 15:00 85 49.8 108 25.6
0004 1983 123 15:10 85 50.3 108 16.0
0005 1983 123 15:20 85 50.7 108 07.5
0006 1983 123 15:30 85 51.3 108 10.0
0007 1983 123 15:40 85 51.4 108 06.6
0008 1983 123 15:50 85 51.2 108 06.5
0009 1983 123 16:00 85 51.1 108 16.9
0010 1983 123 16:10 85 51.5 108 01.6
0011 1983 123 16:20 85 51.3 108 17.1
0012 1983 123 16:30 85 51.7 108 03.3
0013 1983 123 16:40 85 51.8 108 01.2
0014 1983 123 16:50 85 52.1 108 04.2
0015 1983 123 17:00 85 52.3 108 01.7
0016 1983 123 17:30 85 52.4 108 02.2
0017 1983 123 17:40 85 52.3 108 04.3
0018 1983 123 17:50 85 52.3 108 00.2
0019 1983 123 18:00 85 52.3 108 04.8
0020 1983 123 18:10 85 52.4 108 01.3
0021 1983 123 18:20 85 52.4 108 01.0
0022 1983 123 18:30 85 52.4 108 02.4
0023 1983 123 18:40 85 52.7 108 03.2
0024 1983 123 18:50 85 52.7 108 03.7
0025 1983 123 19:00 85 52.6 108 05.8
0026 1983 123 19:10 85 52.6 108 05.7
0027 1983 123 19:20 85 52.7 108 02.1
0028 1983 123 19:30 85 52.7 108 00.2
0029 1983 123 19:40 85 52.7 107 58.6
0030 1983 123 19:50 85 52.8 107 59.4
0031 1983 123 20:00 85 52.7 107 58.5
0032 1983 123 20:10 85 52.7 107 59.0
0033 1983 123 20:20 85 52.7 108 00.4
0034 1983 123 20:30 85 52.6 108 01.7
0035 1983 123 20:40 85 52.5 108 04.0
0036 1983 123 20:50 85 52.5 108 04.8
0037 1983 123 21:00 85 52.4 108 05.8
0038 1983 123 21:10 85 52.4 108 06.5
0039 1983 123 21:20 85 52.4 108 12.5
0040 1983 123 21:33 85 52.4 108 05.1
0041 1983 123 21:40 85 52.4 108 06.8
0042 1983 123 21:50 85 52.4 108 08.0
0043 1983 123 22:00 85 52.4 108 06.0

0044	1983	123	22:10	85	52.4	108	05.0
0045	1983	123	22:20	85	52.5	108	05.1
0046	1983	123	22:30	85	52.4	108	05.1
0047	1983	123	23:40	85	52.4	108	05.8
0048	1983	123	23:50	85	52.8	108	11.1
0049	1983	124	00:00	85	52.5	108	05.0
0050	1983	124	00:10	85	52.5	108	10.7
0051	1983	124	00:20	85	52.4	108	06.5
0052	1983	124	00:30	85	52.8	108	07.5
0053	1983	124	00:50	85	52.7	108	05.3
0054	1983	124	01:00	85	52.9	108	05.6
0055	1983	124	01:10	85	52.8	108	07.6
0056	1983	124	01:20	85	52.7	108	08.2
0057	1983	124	01:30	85	52.7	108	08.6
0058	1983	124	01:40	85	52.5	108	06.8
0059	1983	124	01:50	85	52.4	108	06.6
0060	1983	124	02:00	85	52.3	108	06.3
0061	1983	124	02:16	85	51.9	108	06.1
0062	1983	124	02:20	85	51.9	108	05.6
0063	1983	124	02:36	85	51.6	108	07.7
0064	1983	124	02:40	85	51.6	108	08.8
0065	1983	124	02:50	85	51.4	108	11.4
0066	1983	124	03:00	85	51.0	108	11.7
0067	1983	124	03:10	85	51.0	108	10.8
0068	1983	124	03:20	85	50.7	108	10.5
0069	1983	124	03:30	85	51.0	108	09.3
0070	1983	124	03:40	85	50.9	108	09.1
0071	1983	124	04:00	85	50.6	108	05.9

ΩM10M T=00004 IS ON CR DW USING 00029 BLKS R=0000

0001	OMEGA POSNS AT 10 MIN INTVLS (123-15:00:00 TO 124-04:00:00)											
0002	YEAR	TIME-HMS	TIME-DAYS	NORTH LAT	EAST LONG	NORTHING	EASTING	ERR-NOR	ERR-EAS	ERR-RAD	ERR-AZ	
0003	1983	123 15 0	123.62500	85.8300000	251.5733333	2146402.	1560581.	1985.	-3167.	3738.	-57.92	
0004	1983	123 15 10	123.63194	85.8383333	251.7333333	2144884.	1561053.	484.	-2692.	2735.	-79.80	
0005	1983	123 15 20	123.63889	85.8450000	251.8750000	2143568.	1561401.	-815.	-2342.	2480.	-109.19	
0006	1983	123 15 30	123.64583	85.8550000	251.8333333	2143540.	1562562.	-826.	-1178.	1439.	-125.03	
0007	1983	123 15 40	123.65278	85.8566667	251.8900000	2143050.	1562596.	-1299.	-1141.	1730.	-138.71	
0008	1983	123 15 50	123.65972	85.8533333	251.8916667	2143153.	1562240.	-1180.	-1495.	1905.	-128.29	
0009	1983	123 16 0	123.66667	85.8516667	251.7183333	2144534.	1562499.	218.	-1233.	1252.	-79.96	
0010	1983	123 16 10	123.67361	85.8583333	251.9733333	2142357.	1562565.	-1943.	-1165.	2265.	-149.05	
0011	1983	123 16 20	123.68056	85.8550000	251.7150000	2144444.	1562859.	161.	-868.	883.	-79.47	
0012	1983	123 16 30	123.68750	85.8616667	251.9450000	2142458.	1562987.	-1808.	-737.	1952.	-157.82	
0013	1983	123 16 40	123.69444	85.8633333	251.9800000	2142134.	1563076.	-2115.	-645.	2211.	-163.04	
0014	1983	123 16 50	123.70139	85.8683333	251.9300000	2142343.	1563729.	-1889.	10.	1889.	-180.32	
0015	1983	123 17 0	123.70833	85.8716667	251.9716667	2141911.	1563978.	-2304.	262.	2319.	-186.49	
0016	1983	123 17 30	123.72917	85.8733333	251.9633333	2141917.	1564175.	-2248.	467.	2296.	-191.73	
0017	1983	123 17 40	123.73611	85.8716667	251.9283333	2142240.	1564086.	-1907.	380.	1945.	-191.27	
0018	1983	123 17 50	123.74306	85.8716667	251.9966667	2141720.	1563916.	-2411.	214.	2420.	-185.06	
0019	1983	123 18 0	123.75000	85.8716667	251.9200000	2142304.	1564106.	-1810.	406.	1855.	-192.65	
0020	1983	123 18 10	123.75694	85.8733333	251.9783333	2141802.	1564138.	-2301.	445.	2344.	-190.94	
0021	1983	123 18 20	123.76389	85.8733333	251.9833333	2141764.	1564125.	-2328.	439.	2370.	-190.68	
0022	1983	123 18 30	123.77083	85.8733333	251.9600000	2141942.	1564183.	-2140.	504.	2199.	-193.25	
0023	1983	123 18 40	123.77778	85.8783333	251.9466667	2141871.	1564745.	-2201.	1072.	2448.	-205.98	
0024	1983	123 18 50	123.78472	85.8783333	251.9383333	2141934.	1564765.	-2127.	1100.	2394.	-207.35	
0025	1983	123 19 0	123.79167	85.8766667	251.9033333	2142258.	1564676.	-1793.	1018.	2062.	-209.58	
0026	1983	123 19 10	123.79861	85.8766667	251.9050000	2142245.	1564672.	-1795.	1020.	2065.	-209.62	
0027	1983	123 19 20	123.80556	85.8783333	251.9650000	2141732.	1564699.	-2298.	1055.	2528.	-204.66	
0028	1983	123 19 30	123.81250	85.8783333	251.9966667	2141491.	1564621.	-2528.	983.	2712.	-201.26	
0029	1983	123 19 40	123.81944	85.8783333	252.0233333	2141289.	1564555.	-2720.	925.	2873.	-198.78	
0030	1983	123 19 50	123.82639	85.8800000	252.0100000	2141333.	1564764.	-2665.	1141.	2899.	-203.17	
0031	1983	123 20 0	123.83333	85.8783333	252.0250000	2141276.	1564551.	-2711.	934.	2868.	-199.01	
0032	1983	123 20 10	123.84028	85.8783333	252.0166667	2141339.	1564572.	-2638.	962.	2807.	-200.04	
0033	1983	123 20 20	123.84722	85.8783333	251.9933333	2141517.	1564629.	-2450.	1026.	2656.	-202.73	
0034	1983	123 20 30	123.85417	85.8766667	251.9716667	2141739.	1564507.	-2217.	911.	2397.	-202.33	
0035	1983	123 20 40	123.86111	85.8750000	251.9333333	2142087.	1564425.	-1858.	836.	2037.	-204.24	
0036	1983	123 20 50	123.86806	85.8750000	251.9200000	2142189.	1564458.	-1746.	876.	1954.	-206.66	
0037	1983	123 21 0	123.87500	85.8733333	251.9033333	2142373.	1564324.	-1551.	749.	1722.	-205.77	
0038	1983	123 21 10	123.88194	85.8733333	251.8916667	2142462.	1564353.	-1458.	780.	1654.	-208.16	
0039	1983	123 21 20	123.88889	85.8733333	251.7916667	2143222.	1564602.	-693.	1032.	1244.	-236.11	
0040	1983	123 21 33	123.89792	85.8733333	251.9150000	2142284.	1564295.	-1625.	729.	1781.	-204.14	
0041	1983	123 21 40	123.90278	85.8733333	251.8866667	2142500.	1564365.	-1407.	801.	1619.	-209.65	
0042	1983	123 21 50	123.90972	85.8733333	251.8666667	2142652.	1564415.	-1250.	853.	1514.	-214.31	
0043	1983	123 22 0	123.91667	85.8733333	251.9000000	2142398.	1564332.	-1499.	773.	1687.	-207.27	

0044	1983	123	22	10	123.92361	85.8733333	251.9166667	2142272.	1564291.	-1622.	734.	1780.	-204.3
0045	1983	123	22	20	123.93056	85.8750000	251.9150000	2142227.	1564471.	-1662.	917.	1898.	-208.89
0046	1983	123	22	30	123.93750	85.8733333	251.9150000	2142284.	1564295.	-1600.	744.	1765.	-204.93
0047	1983	123	23	40	123.98611	85.8733333	251.9033333	2142373.	1564324.	-1481.	791.	1679.	-208.12
0048	1983	123	23	50	123.99306	85.8800000	251.8150000	2142813.	1565248.	-1036.	1718.	2006.	-238.90
0049	1983	124	0	0	124.00000	85.8750000	251.9166667	2142214.	1564467.	-1631.	940.	1882.	-209.95
0050	1983	124	0	10	124.00694	85.8750000	251.8216667	2142936.	1564703.	-912.	1177.	1489.	-232.24
0051	1983	124	0	20	124.01389	85.8733333	251.8916667	2142462.	1564353.	-1389.	828.	1617.	-210.80
0052	1983	124	0	30	124.02083	85.8800000	251.8750000	2142358.	1565098.	-1496.	1575.	2172.	-226.48
0053	1983	124	0	50	124.03472	85.8783333	251.9116667	2142137.	1564831.	-1722.	1310.	2164.	-217.26
0054	1983	124	1	0	124.04167	85.8816667	251.9066667	2142060.	1565196.	-1802.	1676.	2461.	-222.92
0055	1983	124	1	10	124.04861	85.8800000	251.8733333	2142370.	1565103.	-1494.	1583.	2177.	-226.66
0056	1983	124	1	20	124.05556	85.8783333	251.8633333	2142504.	1564951.	-1363.	1433.	1978.	-226.44
0057	1983	124	1	30	124.06250	85.8783333	251.8566667	2142555.	1564968.	-1315.	1451.	1958.	-227.81
0058	1983	124	1	40	124.06944	85.8750000	251.8866667	2142442.	1564541.	-1431.	1025.	1760.	-215.63
0059	1983	124	1	50	124.07639	85.8733333	251.8900000	2142474.	1564357.	-1401.	842.	1635.	-211.00
0060	1983	124	2	0	124.08333	85.8716667	251.8950000	2142494.	1564168.	-1384.	655.	1531.	-205.31
0061	1983	124	2	16	124.09444	85.8650000	251.8983333	2142699.	1563456.	-1184.	-56.	1185.	-177.28
0062	1983	124	2	20	124.09722	85.8650000	251.9066667	2142635.	1563435.	-1249.	-77.	1251.	-176.49
0063	1983	124	2	36	124.10833	85.8600000	251.8716667	2143075.	1562994.	-813.	-516.	963.	-147.62
0064	1983	124	2	40	124.11111	85.8600000	251.8533333	2143215.	1563040.	-675.	-470.	822.	-145.17
0065	1983	124	2	50	124.11806	85.8566667	251.8100000	2143661.	1562796.	-231.	-712.	749.	-108.01
0066	1983	124	3	0	124.12500	85.8500000	251.8050000	2143930.	1562105.	35.	-1402.	1403.	-88.56
0067	1983	124	3	10	124.13194	85.8500000	251.8200000	2143816.	1562067.	-81.	-1441.	1443.	-93.20
0068	1983	124	3	20	124.13889	85.8450000	251.8250000	2143951.	1561526.	53.	-1983.	1984.	-88.46
0069	1983	124	3	30	124.14583	85.8500000	251.8450000	2143625.	1562004.	-274.	-1506.	1531.	-100.32
0070	1983	124	3	40	124.15278	85.8483333	251.8483333	2143657.	1561820.	-243.	-1692.	1709.	-98.19
0071	1983	124	4	0	124.16667	85.8433333	251.9016667	2143422.	1561158.	-481.	-2356.	2405.	-101.55