

#466

VOYAGER 2
PHOTOPOLARIMETER
77-076A-11A

Table of Contents

1. Introduction
2. Errata/Change Log
3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM
4. Catalog Materials
 - a. Associated Documents
 - b. Core Catalog Materials

1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

VOYAGER 2

PHOTOPOLARIMETER JUPITER ENC DATA

77-076A-11A PSFP-00211

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED ONE 9-TRACK, 800 BPI STANDARD LABELLED TAPE, WRITTEN IN ASCII. THERE IS ONE RESTORED NON-LABELLED TAPE. THE LABELS WERE STRIPPED FROM THE ORIGINAL TAPE. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON A PDP 11/34 COMPUTER AND WAS RESTORED ON THE MRS. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005619	DS005619	D040932	4	06/26/79 - 07/10/79

*THE DATA WRITTEN ON THE TAPE IS 1980. THE ACTUAL DATE OF DATA IS 1979.

REQ. AGENT
BER

RAND NOS.
V0036

ACQ. AGENT
RWV

VOYAGER 2 PHOTOPOLARIMETER

77-076A-11A

This data set consists of 9-track, 800-bpi ANSI standard format containing a label with appropriate end-of-files and four files of data, each file being labeled, (or a total of 12 files) in the following order: North-South data, East-West Data, Ganymede Data and Cloud Z Data. Records are 256 16-bit words in length and the data is written in 7-bit ASCII characters. Each line of the table is presented as a 'Card Image' and is separated by a four byte line-control. Tapes were created on a PDP 11/34.

<u>D#</u>	<u>C#</u>	<u>Time Span</u>
D-40932	C-21044	06/26/79 -07/10/79 *

* The date written on the tape is 1980. The actual date of the data is 1979.

LABORATORY FOR ATMOSPHERIC AND SPACE PHYSICS
VOYAGER 2 PHOTOPOLARIMETER
PROCESSED DATA FOR THE
NATIONAL SPACE SCIENCE DATA CENTER

The Photopolarimeter (PPS) Jupiter encounter data were acquired using the 2400 Å (300 Å bandpass) filter, the open analyzer, the 0.12° aperture (full width half max.), a 0.4 second integration period, and low-gain voltage. Data near closest approach have been corrected for radiation background. All data represent the average count level for a 48-second spacecraft Major Frame. Data taken during a scan platform slew were not included in the Frame average; generally, the non-slew period is of the order of 24 seconds (40 PPS measurements). The calibration factor used for analysis of these data is:

$$\frac{I}{F} = \frac{\text{counts}}{0.4 \text{ s}} \times (6.7 \times 10^{-5})$$

where (counts/0.4 seconds) are the values presented in the tables, I is the reflected intensity and πF is incident solar flux.

The tables show the spacecraft clocktime with geometry values and the PPS count rate. The spacecraft clock is a two part counting system: the first part counts 48-minute periods (the MOD16 clock) and the second part counts 48-second periods (the MOD60 clock). A Major Frame is 48 seconds and represents one sequence of instrument observations. All PPS data are referred to the Major Frame in which the data were taken. The geometry is merged with the data using the same spacecraft clock. The tabulated geometry values are defined as:

Latitude/ = Picture body optic axis intercept planetodetic latitude and longi-
Longitude tude, Jupiter System III.

Phase = 180^0 - celestial cone angle of the PPS optic axis.

MU = Cosine (emission angle = viewing angle).

MUO = Cosine (solar incidence angle).

The encounter period was divided between Voyager experimenters and segments of time became known by the type of observations made. The three data groups submitted here are referred to as the "North-South Map", the "Cloud Z", and the "Ganymede" data.

The North-South data were taken over a complete Jupiter rotation period three days before the Jupiter Closest Approach. It was designed as a full coverage map of Jupiter executed in 48 consecutive swaths from the northern limb to the southern limb along the sub-spacecraft meridian. Full coverage was gained as the planet rotated under the sub-spacecraft meridian. The Jupiter range varied from 3.78×10^6 km to 3.52×10^6 km. The analysis of these data is discussed in the Science paper⁽¹⁾.

The Cloud Z data were taken in five segments during the Jupiter approach period in order to obtain phaseangle coverage of the planet. Each segment observed a group of latitudes (defined at specific 'belt' and 'zone' locations) over several solar viewing geometries. The Cloud Z data group includes several "East-West Map" swaths (where the optic axis traced an equatorial latitude swath from the east limb to the west limb thereby varying the viewing geometry). The first phase angle group of the basic Cloud Z segment was taken when the range to Jupiter was 1.27×10^6 km. The last Cloud Z data were taken at a range of 7.42×10^5 km. The East-West data were taken at a range to Jupiter of 4.20×10^6 km. These data are discussed in the JGR paper⁽²⁾.

The Ganymede data were acquired with a slant-range to the satellite surface varying from 3.18×10^5 km to 1.61×10^5 km.

3

The PPS team, led by Dr. Charles W. Hord, has completed the following papers discussing these Jupiter encounter data sets:

- 1) C.W. Hord, R.A. West, K.E. Simmons, D.L. Coffeen, M. Sato, A.L. Lane, J.T. Bergstralh, "Photometric Observations of Jupiter at 2400 Angstroms", Science, 206, 956, 1979.
- 2) R.A. West, C.W. Hord, K.E. Simmons, D.L. Coffeen, M. Sato, A.L. Lane, "Near Ultraviolet Scattering Properties of Jupiter", (submitted to JGR).

(5)

Laboratory For Atmospheric and Space Physics

Voyager 2 Photopolarimeter

Processed Data For the
National Space Science Data Center

Magnetic Tape Specification

This tape is a 9-track, ⁶²⁵⁰~~800~~-bpi ~~ANSI standard format~~ containing a tape label (with appropriate End-of-Files) and four files of data (each file being labeled) in the following order: North-South data, East-West data, Ganymede data, and Cloud Z data. Records are 256-16-bit words in length and the data is written in 7-bit ASCII characters. Each line of the table is presented as a 'card image' and is separated by a four byte line control; cards are not broken across record boundaries: record fill is provided with bytes=136₈.

This tape was written with a PDP 11/34. The PDP writes a 9-track tape as shown below.

PDP Word	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PDP Tape																
Word Part	2								1							
									Word Part							
The 9-track	8 9 10 11 12 13 14 15								1							
tape ↓	0 1 2 3 4 5 6 7								2							

An annotated octal dump is attached.

VOYAGER 2
PHOTOPOLARIMETER SUBSYSTEM
NORTH-SOUTH MAP
2400A

JULY 10, 1980

Voyager N-S M 1

S/C CLOCK	LATITUDE	LONGITUDE	PHASE	MU	MUO	COUNTS/.4 SEC
20556.13.	82.5	48.6	20.1	-0.01	-0.03	524.81
20556.14.	69.3	151.8	20.1	0.44	0.35	914.25
20556.15.	57.6	156.4	20.1	0.62	0.53	1075.88
20556.16.	45.7	161.5	20.2	0.78	0.69	1913.97
20556.17.	34.2	166.2	20.2	0.89	0.81	3462.09
20556.18.	23.4	169.7	20.1	0.96	0.88	4822.88
20556.19.	14.7	171.1	20.2	0.99	0.92	5169.14
20556.20.	6.5	172.1	20.2	1.00	0.95	4921.67
20556.21.	-2.0	173.1	20.2	0.99	0.95	4917.26
20556.22.	-10.5	174.4	20.2	0.97	0.93	5388.51
20556.23.	-18.8	175.5	20.2	0.93	0.89	5547.71
20556.24.	-28.4	176.6	20.3	0.86	0.83	5459.80
20556.25.	-38.4	178.2	20.3	0.76	0.73	5337.32
20556.26.	-49.9	180.4	20.3	0.62	0.59	3867.80
20556.27.	-66.6	184.6	20.3	0.35	0.36	1295.59
20556.28.	-83.1	207.6	20.3	0.01	0.08	66.23
20556.29.	60.9	167.2	20.1	0.59	0.48	1181.16
20556.31.	49.0	171.2	20.1	0.75	0.64	1561.00
20556.32.	39.0	173.3	20.1	0.85	0.76	2794.47
20556.33.	31.2	177.3	20.1	0.92	0.82	4082.99
20556.34.	24.6	175.4	20.1	0.95	0.88	4892.23
20556.35.	13.8	179.1	20.1	0.99	0.93	5147.22
20556.36.	4.2	181.9	20.1	1.00	0.94	4941.62
20556.37.	-4.3	181.1	20.2	0.99	0.95	5049.60
20556.38.	-10.5	182.5	20.2	0.97	0.93	5463.11
20556.39.	-18.9	182.8	20.2	0.93	0.89	5619.44
20556.40.	-27.5	183.6	20.2	0.87	0.84	5478.81
20556.41.	-37.2	184.2	20.3	0.78	0.75	5268.70
20556.42.	-50.5	187.0	20.3	0.61	0.59	3793.62
20560.51.	2.2	345.3	19.3	-0.29	0.03	1197.72
20560.53.	62.2	289.5	19.3	0.56	0.47	1301.31
20560.54.	51.5	294.7	19.3	0.71	0.62	1854.29
20560.55.	41.2	296.0	19.4	0.82	0.74	3423.82
20560.56.	33.4	299.8	19.4	0.90	0.82	4885.43
20560.57.	25.2	301.4	19.4	0.95	0.88	5047.31
20560.58.	17.3	303.2	19.4	0.98	0.93	5088.15
20560.59.	9.9	304.0	19.4	1.00	0.95	5059.17
20561. 0.	2.3	305.1	19.4	1.00	0.96	4864.66
20561. 1.	-5.0	305.9	19.4	0.99	0.96	5063.12
20561. 2.	-12.8	306.9	19.5	0.96	0.94	5538.33
20561. 3.	-21.5	307.4	19.5	0.91	0.89	5461.86
20561. 4.	-31.5	308.1	19.5	0.83	0.82	5107.51
20561. 5.	-43.5	306.9	19.6	0.70	0.70	5094.85
20561. 6.	-55.9	309.0	19.6	0.53	0.54	2452.18
20561. 7.	-84.0	302.3	19.6	0.01	0.10	557.55
20561. 8.	54.7	297.4	19.3	0.66	0.58	1652.58
20561.10.	44.1	301.8	19.3	0.79	0.71	2560.97
20561.11.	35.2	303.7	19.4	0.87	0.81	3785.71
20561.12.	27.2	305.6	19.4	0.93	0.88	4905.21
20561.13.	19.2	305.6	19.4	0.96	0.93	5027.77
20561.14.	13.0	308.1	19.4	0.99	0.96	5121.86
20561.15.	5.2	310.4	19.4	1.00	0.97	5004.37
20561.16.	-3.3	312.9	19.4	0.99	0.96	4999.51
20561.17.	-12.4	315.8	19.4	0.96	0.93	5534.64
20561.18.	-19.6	316.5	19.4	0.92	0.90	5533.75

20561.19.	-26.5	316.6	19.4	0.87	0.85	5371.83
20561.20.	-34.8	315.1	19.5	0.80	0.79	5267.03
20561.21.	-47.0	320.7	19.5	0.66	0.64	4293.06
20565.30.	69.8	58.1	18.4	0.42	0.35	904.69
20565.32.	59.5	65.1	18.4	0.60	0.51	1100.56
20565.33.	49.2	69.8	18.5	0.74	0.65	1619.14
20565.34.	40.3	72.7	18.5	0.84	0.75	2817.25
20565.35.	31.7	74.8	18.5	0.91	0.83	4108.10
20565.36.	23.7	76.5	18.5	0.96	0.89	4925.53
20565.37.	16.0	78.4	18.5	0.98	0.93	5134.82
20565.38.	8.3	79.8	18.5	1.00	0.95	4971.34
20565.39.	0.4	80.6	18.5	1.00	0.96	4921.14
20565.40.	-6.9	81.2	18.6	0.98	0.95	5222.78
20565.41.	-14.5	82.0	18.6	0.95	0.93	5730.77
20565.42.	-23.0	82.9	18.6	0.90	0.88	5486.76
20565.43.	-32.7	84.0	18.6	0.82	0.80	5467.73
20565.44.	-43.1	85.4	18.7	0.71	0.69	4948.33
20565.45.	-56.0	87.4	18.7	0.53	0.53	2754.65
20565.46.	-80.8	96.7	18.7	0.08	0.14	679.34
20565.47.	47.7	77.8	18.4	0.76	0.66	2431.07
20565.49.	41.3	77.1	18.4	0.82	0.75	3068.68
20565.50.	34.9	80.1	18.4	0.88	0.81	4329.28
20565.51.	27.9	82.9	18.4	0.93	0.86	5069.02
20565.52.	21.7	87.3	18.4	0.97	0.89	5175.05
20565.53.	13.6	89.4	18.4	0.99	0.93	5264.47
20565.54.	6.5	88.4	18.4	1.00	0.95	5049.75
20565.55.	1.6	88.6	18.5	1.00	0.96	4986.80
20565.56.	-5.6	88.8	18.5	0.98	0.96	5264.57
20565.57.	-14.4	90.6	18.5	0.95	0.93	5638.14
20565.58.	-24.5	93.4	18.5	0.89	0.86	5230.10
20565.59.	-34.3	96.0	18.5	0.81	0.77	5252.00
20566. 0.	-39.4	92.9	18.6	0.75	0.73	5109.36
20566. 1.	71.3	76.7	18.3	0.41	0.32	1139.81
20566. 3.	58.1	88.8	18.3	0.63	0.52	1281.54
20566. 4.	48.3	89.8	18.3	0.76	0.65	2075.65
20566. 5.	39.5	90.9	18.3	0.85	0.75	3310.01
20566. 6.	31.9	91.3	18.3	0.91	0.83	4366.96
20566. 7.	24.1	92.0	18.4	0.95	0.89	5120.52
20566. 8.	16.8	92.6	18.4	0.98	0.93	5232.60
20566. 9.	9.6	93.0	18.4	1.00	0.96	5098.36
20566.10.	2.5	93.5	18.5	1.00	0.97	4990.95
20566.11.	-5.6	92.9	18.5	0.98	0.97	5230.81
20566.12.	-12.4	94.8	18.5	0.96	0.95	5550.45
20566.13.	-22.5	95.3	18.6	0.90	0.90	5278.20
20566.14.	-31.1	98.6	18.5	0.84	0.82	5358.98
20566.15.	-42.1	101.0	18.5	0.72	0.70	4926.17
20566.16.	-53.7	103.4	18.6	0.56	0.55	3164.79
20566.17.	-69.6	106.9	18.6	0.29	0.32	997.73
20566.18.	48.3	94.1	18.3	0.76	0.65	2383.45
20566.20.	42.0	95.5	18.3	0.82	0.73	3052.35
20566.21.	34.1	96.2	18.3	0.89	0.81	4105.34
20566.22.	26.7	96.7	18.4	0.94	0.88	5127.43
20566.23.	19.9	97.1	18.4	0.97	0.92	5249.09
20566.24.	11.7	96.8	18.4	0.99	0.96	5274.66
20566.25.	4.6	99.7	18.4	1.00	0.97	5112.85
20566.26.	-3.7	101.3	18.4	0.99	0.97	5219.43
20566.27.	-12.6	102.2	18.5	0.96	0.95	5583.71
20566.28.	-19.5	105.0	18.4	0.92	0.90	4876.42
20566.29.	-26.0	104.6	18.5	0.88	0.87	5417.30
20566.30.	-34.5	106.5	18.5	0.80	0.79	5338.59
20566.31.	-44.2	107.8	18.5	0.70	0.68	4514.93
20566.32.	68.4	92.8	18.2	0.46	0.37	1185.76
20566.34.	57.6	95.9	18.2	0.62	0.53	1312.33

N-S M2

20566.35.	47.7	99.6	18.3	0.76	0.67	2139.08
20566.36.	38.7	100.2	18.3	0.85	0.77	3382.83
20566.37.	32.2	103.2	18.3	0.90	0.83	4281.77
20566.38.	25.2	104.4	18.3	0.94	0.89	5141.12
20566.39.	18.0	105.9	18.3	0.98	0.93	5229.70
20566.40.	10.7	107.0	18.3	0.99	0.96	5147.55
20566.41.	3.2	108.2	18.4	1.00	0.97	5040.07
20566.42.	-4.4	109.4	18.4	0.99	0.97	5270.37
20566.43.	-12.7	111.7	18.4	0.96	0.94	5511.86
20566.44.	-20.9	113.9	18.4	0.92	0.89	4961.99
20566.45.	-29.1	116.3	18.4	0.85	0.82	5684.46
20566.46.	-34.7	114.0	18.4	0.80	0.79	5454.36
20566.47.	-45.6	116.2	18.5	0.68	0.66	4478.02
20566.48.	-59.7	119.3	18.5	0.47	0.47	2066.48
20566.49.	51.3	108.7	18.2	0.72	0.62	1927.43
20566.51.	41.6	113.0	18.1	0.83	0.73	2772.91
20566.52.	33.9	113.4	18.2	0.89	0.81	3886.67
20566.53.	26.7	113.1	18.2	0.94	0.87	4894.43
20566.54.	19.3	113.2	18.3	0.97	0.92	5000.14
20566.55.	11.7	111.6	18.3	0.99	0.96	5041.29
20566.56.	4.5	113.5	18.3	0.99	0.98	4958.43
20566.57.	-3.6	114.7	18.4	0.99	0.98	5052.24
20566.58.	-13.2	115.4	18.4	0.95	0.95	5487.67
20566.59.	-20.7	117.9	18.4	0.92	0.91	5179.29
20567. 0.	-29.1	118.5	18.4	0.85	0.84	5563.67
20567. 1.	-33.7	124.0	18.3	0.81	0.78	5384.14
20567. 2.	-40.8	126.0	18.4	0.74	0.71	4863.19
20567. 3.	69.0	109.3	18.1	0.45	0.36	1121.19
20567. 5.	59.2	112.1	18.1	0.60	0.51	1206.76
20567. 6.	49.3	113.6	18.2	0.74	0.65	1770.24
20567. 7.	37.2	116.4	18.2	0.86	0.79	3227.33
20567. 8.	26.9	120.0	18.2	0.94	0.87	4746.52
20567. 9.	21.5	119.8	18.2	0.96	0.91	5118.05
20567.10.	14.9	119.0	18.3	0.98	0.95	5327.86
20567.11.	6.2	120.5	18.3	0.99	0.98	4972.81
20567.12.	-1.7	121.9	18.3	0.99	0.98	4933.48
20567.13.	-10.2	122.1	18.3	0.97	0.96	5407.95
20567.14.	-16.3	125.5	18.3	0.94	0.93	5437.48
20567.15.	-23.5	126.4	18.3	0.90	0.89	5445.10
20567.16.	-29.0	128.9	18.3	0.86	0.84	5454.05
20567.17.	-36.0	130.1	18.3	0.79	0.77	5217.29
20567.18.	-44.9	130.1	18.4	0.69	0.68	4554.71
20567.19.	-56.0	130.2	18.4	0.53	0.54	2493.71
20567.20.	51.9	119.8	18.1	0.70	0.61	1905.63
20567.22.	41.2	124.9	18.1	0.83	0.74	2863.09
20567.23.	32.2	126.9	18.1	0.90	0.83	4106.67
20567.24.	23.0	126.9	18.2	0.96	0.90	5146.43
20567.25.	16.1	129.1	18.2	0.98	0.94	5365.29
20567.26.	9.6	128.8	18.2	0.99	0.96	5021.67
20567.27.	4.8	129.6	18.2	1.00	0.97	4951.29
20567.28.	-1.1	130.9	18.2	0.99	0.97	4993.57
20567.29.	-6.7	131.9	18.2	0.98	0.96	5296.90
20567.30.	-13.7	133.5	18.2	0.96	0.94	5578.33
20567.31.	-22.0	135.0	18.3	0.91	0.89	5455.00
20567.32.	-31.5	136.7	18.3	0.83	0.82	5335.19
20567.33.	-41.5	138.4	18.3	0.73	0.71	4838.24
20567.34.	64.2	126.2	18.0	0.53	0.43	1153.70
20567.36.	56.3	129.2	18.0	0.65	0.55	1307.06
20567.37.	48.9	127.8	18.1	0.74	0.65	1849.52
20567.38.	37.3	130.2	18.1	0.86	0.79	3262.29
20567.39.	28.5	134.1	18.1	0.93	0.86	4635.38
20567.40.	18.9	135.2	18.1	0.97	0.93	5171.38
20567.41.	13.3	136.9	18.1	0.99	0.95	5180.24

N-5 M3

N-S 14

20567.42.	6.7	137.3	18.1	1.00	0.97	4944.62
20567.43.	-0.5	137.5	18.2	0.99	0.98	4981.38
20567.44.	-7.6	137.8	18.2	0.93	0.97	5339.76
20567.45.	-14.9	138.3	18.2	0.95	0.94	5593.48
20567.46.	-22.6	138.6	18.3	0.90	0.90	5501.38
20567.47.	-30.7	138.7	18.3	0.84	0.84	5436.90
20567.48.	-39.4	138.9	18.3	0.75	0.76	5022.05
20567.49.	-50.1	139.2	18.4	0.61	0.63	3714.38
20567.50.	-66.9	141.4	18.4	0.35	0.38	1173.98
20567.51.	45.5	135.9	18.0	0.78	0.70	2839.26
20567.53.	39.2	139.4	18.0	0.85	0.76	3393.39
20567.54.	31.7	140.5	18.0	0.91	0.84	4322.52
20567.55.	25.3	141.1	18.1	0.94	0.89	5037.29
20567.56.	18.8	141.5	18.1	0.97	0.93	5166.52
20567.57.	12.6	142.2	18.1	0.99	0.96	5124.52
20567.58.	6.1	142.7	18.1	0.99	0.98	4987.10
20567.59.	-1.3	144.1	18.2	0.99	0.98	5055.00
20568. 0.	-9.1	145.4	18.2	0.97	0.96	5440.52
20568. 1.	-18.5	146.9	18.2	0.93	0.92	5504.05
20568. 2.	-26.3	150.0	18.2	0.88	0.86	5381.67
20568. 3.	-35.8	152.4	18.2	0.79	0.77	5171.95
20568. 4.	-44.9	151.6	18.2	0.69	0.68	4469.19
20568. 5.	62.8	139.4	17.9	0.55	0.46	1156.68
20568. 7.	56.3	142.4	17.9	0.65	0.55	1283.67
20568. 8.	47.4	144.9	17.9	0.76	0.67	2048.71
20568. 9.	38.5	144.9	18.0	0.85	0.78	3286.38
20568.10.	31.4	147.9	18.0	0.91	0.84	4288.14
20568.11.	24.1	149.9	18.0	0.95	0.89	5010.05
20568.12.	16.8	151.3	18.0	0.98	0.93	5243.76
20568.13.	8.3	151.8	18.0	1.00	0.97	4937.10
20568.14.	1.1	154.5	18.0	1.00	0.97	4919.00
20568.15.	-5.1	152.2	18.1	0.98	0.97	5166.90
20568.16.	-10.8	153.2	18.1	0.96	0.96	5518.90
20568.17.	-19.1	154.6	18.1	0.93	0.92	5504.90
20568.18.	-29.0	154.8	18.2	0.85	0.85	5409.67
20568.19.	-37.4	157.7	18.2	0.78	0.77	5152.33
20568.20.	-49.5	157.9	18.2	0.63	0.63	3984.83
20568.21.	-62.8	159.3	18.2	0.42	0.44	1735.98
20568.22.	48.6	152.7	17.9	0.75	0.65	2243.35
20568.24.	43.0	153.8	17.9	0.81	0.72	2852.30
20568.25.	35.7	154.2	17.9	0.87	0.80	3719.95
20568.26.	27.8	155.2	18.0	0.93	0.87	4799.19
20568.27.	19.3	155.5	18.0	0.97	0.93	4989.95
20568.28.	12.0	158.5	18.0	0.99	0.96	5060.62
20568.29.	4.6	158.5	18.0	0.99	0.98	4924.71
20568.30.	-1.8	160.9	18.0	0.99	0.97	4997.86
20568.31.	-9.1	162.3	18.0	0.97	0.96	5419.48
20568.32.	-14.8	161.1	18.1	0.95	0.94	5531.86
20568.33.	-25.0	163.9	18.1	0.89	0.88	5379.57
20568.34.	-34.9	166.7	18.1	0.80	0.78	5208.81
20568.35.	-42.4	166.8	18.1	0.72	0.71	4645.38
20569. 7.	68.0	163.1	17.7	0.45	0.37	1003.28
20569. 9.	57.3	169.1	17.7	0.63	0.54	1138.52
20569.10.	45.5	175.9	17.7	0.78	0.69	1905.71
20569.11.	36.0	178.7	17.7	0.88	0.79	3499.29
20569.12.	29.1	178.8	17.8	0.92	0.86	4437.95
20569.13.	22.6	179.0	17.8	0.96	0.91	4839.76
20569.14.	15.6	179.6	17.8	0.98	0.95	5094.52
20569.15.	8.2	181.0	17.8	0.99	0.97	4903.48
20569.16.	0.4	182.5	17.9	0.99	0.98	4852.90
20569.17.	-6.5	183.6	17.9	0.98	0.97	5139.10
20569.18.	-15.5	184.1	17.9	0.95	0.94	5576.52
20569.19.	-22.9	186.5	17.9	0.90	0.89	5380.52

20569.20.	-32.5	185.3	18.0	0.82	0.82	5311.67
20569.21.	-39.7	189.5	17.9	0.75	0.73	4984.05
20569.22.	-50.2	191.6	17.9	0.52	0.61	3716.62
20569.23.	-65.9	196.2	18.0	0.36	0.38	1266.69
20569.24.	50.0	181.0	17.7	0.73	0.64	1862.85
20569.26.	41.9	185.6	17.6	0.82	0.73	2682.36
20569.27.	33.4	187.3	17.7	0.90	0.82	3971.57
20569.28.	25.4	189.0	17.7	0.95	0.88	4947.57
20569.29.	17.7	190.2	17.7	0.98	0.92	5180.71
20569.30.	9.5	190.4	17.7	1.00	0.96	5044.62
20569.31.	2.5	191.6	17.8	1.00	0.97	4943.19
20569.32.	-4.2	194.0	17.7	0.99	0.96	5117.00
20569.33.	-12.0	195.4	17.8	0.96	0.93	5571.57
20569.34.	-19.9	196.7	17.8	0.92	0.89	5429.29
20569.35.	-27.8	198.0	17.8	0.87	0.84	5301.38
20569.36.	-34.7	197.9	17.8	0.80	0.78	5178.33
20569.37.	-42.5	198.3	17.9	0.72	0.70	4652.43
20569.38.	72.1	170.5	17.6	0.37	0.30	1034.51
20569.40.	59.7	185.5	17.6	0.59	0.50	1077.85
20569.41.	49.4	189.9	17.6	0.74	0.64	1766.79
20569.42.	40.4	191.9	17.6	0.83	0.75	3030.43
20569.43.	32.6	193.8	17.6	0.90	0.83	4033.67
20569.44.	24.7	195.2	17.7	0.95	0.89	4996.52
20569.45.	17.2	196.6	17.7	0.98	0.93	5318.90
20569.46.	9.8	198.3	17.7	1.00	0.96	5104.05
20569.47.	2.6	199.2	17.7	1.00	0.97	5006.62
20569.48.	-5.4	200.7	17.7	0.99	0.96	5280.81
20569.49.	-14.0	201.0	17.8	0.95	0.94	5666.24
20569.50.	-21.7	203.9	17.7	0.91	0.89	5424.71
20569.51.	-29.9	205.2	17.8	0.85	0.82	5328.43
20569.52.	-39.9	207.2	17.8	0.75	0.72	4884.14
20569.53.	-52.1	209.2	17.8	0.59	0.57	3188.52
20569.54.	-69.9	214.9	17.8	0.29	0.31	974.00
20569.55.	47.5	196.5	17.6	0.76	0.67	2432.49
20569.57.	38.6	199.4	17.6	0.85	0.77	3383.21
20569.58.	29.9	200.8	17.6	0.92	0.85	4474.33
20569.59.	23.4	202.4	17.6	0.96	0.90	5054.24
20570. 0.	16.5	203.9	17.6	0.98	0.93	5343.48
20570. 1.	10.1	206.1	17.6	1.00	0.95	5144.24
20570. 2.	3.3	207.7	17.6	1.00	0.96	4974.90
20570. 3.	-3.4	209.5	17.6	0.99	0.95	5100.71
20570. 4.	-11.5	211.0	17.6	0.97	0.93	5632.05
20570. 5.	-19.5	212.3	17.7	0.92	0.89	5398.05
20570. 6.	-27.0	213.3	17.7	0.87	0.84	5372.81
20570. 7.	-35.5	214.6	17.7	0.79	0.76	5185.10
20570. 8.	-44.9	216.4	17.7	0.69	0.66	4390.33
20570. 9.	65.9	200.0	17.4	0.50	0.41	1127.97
20570.11.	58.4	200.6	17.5	0.61	0.52	1211.82
20570.12.	47.5	204.5	17.5	0.76	0.67	1887.48
20570.13.	36.4	207.2	17.5	0.87	0.79	3415.57
20570.14.	27.7	211.7	17.5	0.94	0.86	4661.67
20570.15.	20.2	212.3	17.5	0.97	0.91	5034.90
20570.16.	13.2	210.8	17.6	0.99	0.95	5338.05
20570.17.	7.2	213.1	17.6	1.00	0.96	5015.95
20570.18.	-0.7	213.8	17.6	0.99	0.97	4957.19
20570.19.	-8.1	215.0	17.6	0.98	0.96	5558.71
20570.20.	-15.7	216.2	17.6	0.95	0.93	5512.33
20570.21.	-23.6	217.4	17.7	0.90	0.88	5408.52
20570.22.	-31.7	218.6	17.7	0.83	0.81	5440.24
20570.23.	-40.9	220.2	17.7	0.74	0.72	4872.81
20570.24.	-51.8	222.4	17.7	0.59	0.58	2636.19
20570.25.	-67.4	227.2	17.7	0.33	0.35	581.14
20570.26.	49.6	212.0	17.4	0.74	0.64	2478.21

N-S MS

20570.28.	40.8	214.4	17.4	0.83	0.75	3020.55
20570.29.	32.7	216.0	17.5	0.90	0.83	4255.48
20570.30.	23.0	218.1	17.5	0.96	0.90	4982.62
20570.31.	16.9	217.9	17.5	0.98	0.94	5255.48
20570.32.	10.8	217.9	17.6	0.99	0.96	5122.14
20570.33.	3.9	218.5	17.6	1.00	0.98	4965.67
20570.34.	-5.1	221.5	17.6	0.99	0.97	5160.71
20570.35.	-14.2	224.5	17.6	0.95	0.93	5635.38
20570.36.	-22.3	223.8	17.6	0.91	0.89	5365.00
20570.37.	-25.7	223.8	17.6	0.88	0.87	5407.00
20570.38.	-35.1	225.2	17.7	0.80	0.79	5253.10
20570.39.	-43.7	229.9	17.6	0.70	0.68	4590.33
20570.40.	64.4	218.0	17.3	0.53	0.43	1146.56
20570.42.	57.5	222.4	17.3	0.64	0.53	1202.52
20570.43.	47.6	223.8	17.3	0.76	0.66	1956.50
20570.44.	38.9	224.5	17.4	0.85	0.76	3194.48
20570.45.	31.1	225.0	17.4	0.91	0.84	4257.64
20570.46.	23.2	225.6	17.4	0.96	0.90	4959.10
20570.47.	15.9	226.4	17.5	0.98	0.94	5173.38
20570.48.	6.8	227.1	17.5	1.00	0.97	5006.62
20570.49.	-0.4	229.6	17.5	1.00	0.97	4889.57
20570.50.	-9.1	231.5	17.5	0.98	0.95	5377.48
20570.51.	-17.0	232.7	17.5	0.94	0.91	5532.62
20570.52.	-24.1	233.1	17.5	0.90	0.87	5311.19
20570.53.	-32.8	233.6	17.6	0.82	0.80	5269.00
20570.54.	-38.3	233.6	17.6	0.77	0.75	5034.33
20570.55.	-47.8	237.1	17.6	0.65	0.63	3867.90
20570.56.	-60.5	243.5	17.6	0.45	0.44	1840.02
20570.57.	50.7	228.6	17.3	0.73	0.62	1897.27
20570.59.	42.9	232.5	17.3	0.82	0.71	2683.45
20571. 0.	34.2	234.0	17.3	0.89	0.80	3859.48
20571. 1.	25.5	235.4	17.3	0.95	0.87	4919.38
20571. 2.	18.1	234.1	17.4	0.98	0.93	5162.71
20571. 3.	12.1	235.0	17.4	0.99	0.95	5178.62
20571. 4.	5.2	234.8	17.4	1.00	0.97	4944.24
20571. 5.	-2.4	235.5	17.5	0.99	0.97	4923.76
20571. 6.	-10.7	236.7	17.5	0.97	0.95	5516.33
20571. 7.	-20.0	237.0	17.5	0.92	0.91	5409.57
20571. 8.	-27.7	239.3	17.5	0.87	0.85	5344.33
20571. 9.	-36.9	241.1	17.5	0.78	0.77	5159.38
20571.10.	-47.3	243.3	17.6	0.66	0.64	4067.33
20571.11.	58.2	231.0	17.2	0.62	0.52	1320.40
20571.13.	51.0	235.4	17.2	0.72	0.62	1626.82
20571.14.	43.6	236.4	17.3	0.80	0.71	2566.81
20571.15.	36.7	236.8	17.3	0.87	0.79	3595.33
20571.16.	29.2	236.1	17.4	0.92	0.86	4585.00
20571.17.	20.7	240.7	17.3	0.97	0.91	5216.05
20571.18.	12.2	243.9	17.3	0.99	0.94	5282.90
20571.19.	6.1	241.8	17.4	1.00	0.97	4977.67
20571.20.	0.8	243.2	17.4	1.00	0.97	4967.19
20571.21.	-7.3	245.0	17.4	0.98	0.96	5241.67
20571.22.	-14.7	246.7	17.4	0.95	0.93	5580.90
20571.23.	-22.4	248.4	17.4	0.91	0.88	5286.14
20571.24.	-30.5	250.4	17.4	0.84	0.82	5257.76
20571.25.	-39.7	253.1	17.4	0.75	0.72	4975.95
20571.26.	-50.3	256.4	17.4	0.61	0.59	3505.14
20571.27.	-63.3	262.2	17.5	0.40	0.39	1278.33
20571.28.	47.9	244.0	17.2	0.76	0.66	2074.41
20571.30.	43.5	244.6	17.2	0.81	0.71	2534.12
20571.31.	36.2	245.5	17.2	0.87	0.79	3598.38
20571.32.	28.3	247.6	17.2	0.93	0.86	4683.86
20571.33.	20.6	249.5	17.2	0.97	0.91	5119.86
20571.34.	13.0	251.2	17.2	0.99	0.94	5363.00

N-5 M6

20571.35.	5.5	252.6	17.3	1.00	0.96	4953.19
20571.36.	-2.2	254.2	17.3	0.99	0.96	4933.00
20571.37.	-10.2	254.8	17.3	0.97	0.94	5446.14
20571.38.	-16.8	257.2	17.3	0.94	0.91	5566.05
20571.39.	-24.9	258.6	17.3	0.89	0.85	5238.90
20571.40.	-33.7	260.5	17.3	0.81	0.78	5111.48
20571.41.	-43.2	262.8	17.4	0.70	0.67	4531.67
20571.42.	63.6	247.5	17.1	0.54	0.44	1170.56
20571.44.	55.9	248.2	17.1	0.65	0.56	1285.70
20571.45.	46.1	248.5	17.2	0.77	0.69	2026.48
20571.46.	38.0	252.6	17.2	0.86	0.78	3350.33
20571.47.	29.0	252.8	17.2	0.92	0.86	4513.95
20571.48.	21.7	255.9	17.2	0.96	0.91	4986.30
20571.49.	13.9	257.2	17.2	0.99	0.94	5310.43
20571.50.	6.2	258.8	17.2	1.00	0.96	5056.81
20571.51.	-1.4	258.5	17.3	0.99	0.97	4949.19
20571.52.	-7.9	260.8	17.3	0.98	0.95	5339.67
20571.53.	-15.2	262.0	17.3	0.95	0.93	5698.14
20571.54.	-23.8	263.6	17.3	0.90	0.87	5299.86
20571.55.	-32.4	265.0	17.3	0.83	0.80	5220.33
20571.56.	-42.0	267.6	17.3	0.72	0.70	4693.10
20571.57.	-53.6	270.4	17.4	0.56	0.55	2699.33
20571.58.	-68.9	275.3	17.4	0.30	0.32	928.05
20571.59.	44.7	256.6	17.1	0.79	0.70	2601.17
20572. 0.	46.1	255.7	17.1	0.77	0.69	2997.21
20572. 2.	32.7	258.4	17.2	0.89	0.83	4003.26
20572. 3.	26.1	261.4	17.2	0.94	0.88	4908.05
20572. 4.	19.2	262.9	17.2	0.97	0.92	5089.57
20572. 5.	11.0	263.5	17.2	0.99	0.96	5276.90
20572. 6.	4.8	266.4	17.2	1.00	0.97	5030.81
20572. 7.	-2.3	267.9	17.2	0.99	0.96	4998.62
20572. 8.	-9.3	269.2	17.2	0.97	0.95	5481.38
20572. 9.	-17.2	269.6	17.2	0.94	0.92	5659.10
20572.10.	-24.3	272.5	17.2	0.89	0.86	5281.19
20572.11.	-32.3	274.7	17.2	0.83	0.79	5207.67
20572.12.	-41.3	277.3	17.2	0.73	0.69	4738.33
20572.13.	63.3	264.8	16.9	0.55	0.44	1183.63
20572.15.	55.1	270.3	16.9	0.67	0.56	1304.79
20572.16.	45.8	272.2	16.9	0.79	0.67	2165.14
20572.17.	38.7	271.1	17.0	0.86	0.76	3309.67
20572.18.	32.0	270.5	17.0	0.91	0.83	4161.50
20572.19.	24.3	271.0	17.1	0.95	0.89	4918.90
20572.20.	14.6	272.4	17.1	0.99	0.94	5261.00
20572.21.	6.3	275.9	17.1	1.00	0.95	4964.81
20572.22.	-1.5	276.9	17.1	0.99	0.95	4899.86
20572.23.	-8.7	277.7	17.1	0.98	0.94	5316.14
20572.24.	-15.5	278.7	17.1	0.95	0.92	5544.71
20572.25.	-23.2	279.2	17.2	0.90	0.87	5237.00
20572.26.	-31.5	280.3	17.2	0.83	0.81	5220.33
20572.27.	-40.3	281.8	17.2	0.74	0.72	4952.71
20572.28.	-50.6	284.7	17.2	0.61	0.59	3518.05
20572.29.	-64.5	289.7	17.3	0.38	0.38	1333.17
20572.30.	44.2	274.5	17.0	0.80	0.70	2927.77
20572.32.	37.3	277.2	17.0	0.87	0.78	3448.00
20572.33.	30.2	278.6	17.0	0.92	0.84	4384.71
20572.34.	23.6	279.8	17.0	0.96	0.89	5002.62
20572.35.	16.9	281.0	17.0	0.98	0.92	5175.67
20572.36.	10.2	282.0	17.0	1.00	0.95	5119.48
20572.37.	3.8	283.0	17.0	1.00	0.96	4940.14
20572.38.	-3.2	284.3	17.0	0.99	0.96	4958.70
20572.39.	-9.2	285.2	17.1	0.97	0.94	5313.95
20572.40.	-16.3	286.4	17.1	0.94	0.91	5559.00
20572.41.	-24.4	286.7	17.1	0.89	0.87	5193.10

N-S 147

20572.42.	-32.4	288.5	17.1	0.83	0.80	5205.86
20572.43.	-40.0	291.7	17.1	0.74	0.71	4931.29
20572.44.	63.1	277.3	16.9	0.55	0.45	1206.27
20572.46.	52.7	280.8	16.9	0.70	0.60	1372.88
20572.47.	44.0	282.8	16.9	0.80	0.71	2279.57
20572.50.	23.8	288.2	16.9	0.96	0.88	5002.24
20572.51.	15.6	287.5	17.0	0.99	0.94	5127.00
20572.52.	9.1	289.5	17.0	1.00	0.95	5025.00
20572.53.	1.8	290.0	17.0	1.00	0.96	4901.00
20572.54.	-5.5	291.0	17.0	0.99	0.96	5064.43
20572.55.	-12.7	291.3	17.1	0.96	0.94	5521.76
20572.56.	-21.5	291.1	17.1	0.91	0.90	5433.38
20572.57.	-28.6	293.2	17.1	0.86	0.84	5248.33
20572.58.	-37.8	294.5	17.1	0.77	0.75	5102.90
20572.59.	-48.0	295.6	17.2	0.65	0.64	3998.14
20573. 0.	-61.6	297.3	17.2	0.44	0.45	1802.81
20573. 1.	46.3	285.8	16.9	0.77	0.69	2376.13
20573. 3.	42.5	288.8	16.9	0.81	0.73	2791.58
20573. 4.	35.0	291.0	16.9	0.88	0.80	3731.00
20573. 5.	27.4	294.0	16.9	0.94	0.86	4768.24
20573. 6.	18.9	295.1	16.9	0.98	0.92	4918.95
20573. 7.	12.1	299.1	16.8	0.99	0.93	4946.90
20573. 8.	7.9	296.5	16.9	1.00	0.96	4932.71
20573. 9.	-0.2	298.0	16.9	1.00	0.96	4805.19
20573.10.	-8.2	299.6	17.0	0.98	0.95	5131.10
20573.11.	-15.9	300.7	17.0	0.95	0.92	5517.67
20573.12.	-24.4	302.2	17.0	0.89	0.86	5170.05
20573.13.	-33.7	304.4	17.0	0.81	0.78	5175.48
20573.14.	-44.5	305.5	17.1	0.69	0.67	4603.38
20573.46.	67.0	303.6	16.6	0.48	0.39	1012.10
20573.48.	57.6	305.8	16.7	0.62	0.53	1168.42
20573.49.	48.5	308.1	16.7	0.74	0.66	1769.79
20573.50.	38.6	311.1	16.7	0.85	0.77	3112.24
20573.51.	29.8	311.4	16.8	0.92	0.86	4183.74
20573.52.	22.6	314.3	16.8	0.96	0.91	4842.90
20573.53.	14.9	315.5	16.8	0.99	0.95	5025.67
20573.54.	6.7	317.0	16.8	1.00	0.97	4881.10
20573.55.	-0.9	318.3	16.8	0.99	0.97	4811.00
20573.56.	-9.6	318.5	16.9	0.97	0.96	5259.86
20573.57.	-17.2	321.0	16.9	0.94	0.92	5589.76
20573.58.	-25.9	320.8	16.9	0.88	0.87	5348.05
20573.59.	-31.7	322.3	16.9	0.83	0.82	5273.19
20574. 0.	-40.2	323.7	16.9	0.75	0.73	5070.14
20574. 1.	-48.8	325.3	17.0	0.64	0.63	3801.95
20574. 2.	-62.6	330.2	17.0	0.42	0.43	1404.02
20574. 3.	47.9	312.3	16.7	0.75	0.67	2307.66
20574. 5.	40.3	318.2	16.7	0.83	0.75	3160.97
20574. 6.	32.7	320.6	16.7	0.90	0.83	4069.33
20574. 7.	25.4	322.6	16.7	0.95	0.88	5025.00
20574. 8.	18.3	324.3	16.7	0.98	0.92	5046.33
20574. 9.	11.3	326.1	16.7	1.00	0.95	5070.14
20574.10.	5.4	326.5	16.7	1.00	0.96	4975.48
20574.11.	-1.1	326.0	16.8	0.99	0.97	4935.86
20574.12.	-6.9	327.2	16.8	0.98	0.96	5189.19
20574.13.	-15.0	328.7	16.8	0.95	0.93	5556.24
20574.14.	-24.1	329.4	16.8	0.90	0.88	5299.67
20574.15.	-33.4	332.8	16.8	0.82	0.79	5267.95
20574.16.	-43.1	335.1	16.8	0.71	0.69	4821.10
20574.17.	62.0	315.9	16.6	0.55	0.47	1240.27
20574.19.	52.8	322.0	16.6	0.69	0.60	1477.79
20574.20.	43.5	325.1	16.6	0.80	0.72	2558.00
20574.21.	34.6	326.9	16.6	0.88	0.81	3738.71
20574.22.	26.9	328.7	16.6	0.94	0.88	4905.57

N-S M8

20574.23.	20.3	328.7	16.7	0.97	0.92	5031.95
20574.24.	13.6	328.6	16.7	0.99	0.96	5214.71
20574.25.	7.2	328.9	16.7	0.99	0.98	5007.38
20574.26.	-0.3	330.4	16.8	0.99	0.98	5006.52
20574.27.	-7.2	331.9	16.8	0.93	0.97	5231.00
20574.28.	-14.6	333.6	16.8	0.95	0.94	5589.57
20574.29.	-23.4	334.2	16.8	0.90	0.89	5363.86
20574.30.	-30.9	337.3	16.8	0.84	0.83	5311.48
20574.31.	-40.0	339.4	16.8	0.75	0.73	5013.19
20574.32.	-51.0	342.4	16.8	0.61	0.59	3290.71
20574.33.	-65.5	348.4	16.8	0.37	0.38	1260.86
20574.34.	46.0	328.4	16.6	0.77	0.69	2445.09
20574.36.	39.2	332.5	16.5	0.84	0.77	3156.18
20574.37.	31.5	334.7	16.6	0.91	0.84	4133.48
20574.38.	24.3	336.4	16.6	0.95	0.89	5067.95
20574.39.	16.8	338.0	16.6	0.98	0.94	5132.62
20574.40.	8.9	338.6	16.6	1.00	0.97	5069.19
20574.41.	2.4	341.0	16.6	1.00	0.97	4970.05
20574.42.	-3.5	341.4	16.6	0.99	0.97	4993.57
20574.43.	-9.3	341.5	16.7	0.97	0.96	5332.43
20574.44.	-16.1	342.3	16.7	0.94	0.93	5668.81
20574.45.	-25.4	345.7	16.7	0.89	0.86	5232.81
20574.46.	-35.7	349.5	16.7	0.79	0.76	5143.95
20574.47.	-44.9	352.4	16.7	0.68	0.65	4363.76
20574.48.	59.3	334.1	16.4	0.60	0.51	1271.93
20574.50.	55.5	333.3	16.5	0.65	0.57	1367.76
20574.51.	45.1	338.7	16.5	0.78	0.70	2209.48
20574.52.	36.2	342.8	16.5	0.87	0.79	3506.33
20574.53.	28.2	345.2	16.5	0.93	0.86	4679.95
20574.54.	22.2	345.1	16.5	0.96	0.91	5002.43
20574.55.	16.6	345.0	16.5	0.98	0.94	5188.52
20574.56.	9.3	346.4	16.6	1.00	0.96	5051.76
20574.57.	1.5	349.1	16.5	1.00	0.97	4997.67
20574.58.	-6.6	351.6	16.5	0.98	0.95	5162.90
20574.59.	-14.4	353.5	16.5	0.95	0.92	5540.81
20575. 0.	-23.0	353.8	16.6	0.90	0.88	5332.14
20575. 1.	-29.8	356.8	16.6	0.85	0.81	5256.90
20575. 2.	-38.5	358.9	16.6	0.76	0.73	5024.90
20575. 3.	-47.9	1.7	16.6	0.64	0.61	4044.69
20575. 4.	-59.0	6.6	16.6	0.47	0.45	1717.02
20575. 5.	48.0	346.5	16.4	0.75	0.66	2136.86
20575. 7.	42.1	349.3	16.4	0.82	0.73	2782.67
20575. 8.	34.7	350.7	16.4	0.88	0.81	3718.62
20575. 9.	27.7	351.9	16.4	0.93	0.87	4730.71
20575.10.	21.1	353.1	16.4	0.97	0.91	5005.00
20575.11.	13.5	354.0	16.5	0.99	0.95	5257.76
20575.12.	6.4	355.2	16.5	1.00	0.97	5034.43
20575.13.	-0.6	356.0	16.5	1.00	0.97	5005.10
20575.14.	-10.0	357.7	16.5	0.97	0.95	5271.57
20575.15.	-18.0	358.7	16.6	0.94	0.92	5621.19
20575.16.	-25.7	0.3	16.6	0.88	0.86	5235.38
20575.17.	-34.1	2.1	16.6	0.81	0.79	5295.76
20575.18.	-44.6	7.1	16.6	0.69	0.66	4724.52
20575.19.	59.6	347.5	16.3	0.59	0.50	1286.55
20575.21.	53.5	348.2	16.4	0.67	0.59	1427.67
20575.22.	42.6	353.3	16.4	0.81	0.73	2547.05
20575.23.	33.4	356.4	16.4	0.89	0.82	3921.76
20575.24.	25.1	358.9	16.4	0.95	0.89	5057.86
20575.25.	17.7	360.0	16.4	0.98	0.93	5203.67
20575.26.	14.1	0.8	16.4	0.99	0.95	5206.90
20575.27.	4.4	1.5	16.5	1.00	0.97	5006.90
20575.28.	-1.8	2.4	16.5	0.99	0.97	5016.71
20575.29.	-8.0	3.4	16.5	0.98	0.96	5280.71

N-S 19

N-S M10

20575.30.	-15.1	4.8	16.5	0.95	0.94	5685.57
20575.31.	-23.3	4.8	16.6	0.90	0.89	5336.52
20575.32.	-30.0	7.5	16.5	0.85	0.83	5347.10
20575.33.	-38.4	9.3	16.6	0.77	0.75	5222.05
20575.34.	-47.8	11.7	16.6	0.65	0.63	4102.67
20575.35.	-59.7	15.4	16.6	0.47	0.47	1922.55
20575.36.	46.1	358.8	16.3	0.77	0.69	2616.04
20575.38.	38.6	4.2	16.3	0.85	0.77	3304.42
20575.39.	32.0	5.4	16.3	0.90	0.83	4152.33
20575.40.	25.1	6.6	16.3	0.95	0.89	5109.00
20575.41.	18.3	7.8	16.3	0.98	0.93	5097.00
20575.42.	12.1	8.7	16.4	0.99	0.96	5213.57
20575.43.	5.7	9.8	16.4	1.00	0.97	4983.10
20575.44.	-0.8	10.9	16.4	1.00	0.97	4985.76
20575.45.	-7.2	12.0	16.4	0.98	0.96	5248.14
20575.46.	-14.0	13.3	16.4	0.96	0.94	5605.57
20575.47.	-22.3	15.6	16.4	0.91	0.89	5337.86
20575.48.	-31.2	19.2	16.4	0.84	0.80	5363.19
20575.49.	-41.0	22.6	16.4	0.73	0.70	5021.29
20575.50.	60.0	5.9	16.2	0.59	0.50	1286.63
20575.52.	54.4	4.1	16.2	0.66	0.58	1405.52
20575.53.	43.7	8.2	16.2	0.80	0.72	2491.33
20575.54.	34.5	11.8	16.2	0.89	0.81	3870.10
20575.55.	25.8	14.1	16.2	0.94	0.88	5047.48
20575.56.	19.5	13.8	16.3	0.97	0.93	5088.90
20575.57.	13.4	13.3	16.3	0.99	0.96	5254.81
20575.58.	7.3	14.0	16.4	0.99	0.98	5055.76
20575.59.	0.6	15.4	16.4	0.99	0.98	5016.52
20576. 0.	-7.3	17.3	16.4	0.98	0.97	5325.76
20576. 1.	-16.3	20.9	16.4	0.94	0.93	5664.43
20576. 2.	-24.4	23.4	16.4	0.89	0.87	5279.00
20576. 3.	-32.2	24.9	16.4	0.83	0.80	5395.10
20576. 4.	-40.1	27.0	16.4	0.75	0.72	5089.38
20576. 5.	-49.6	29.5	16.4	0.62	0.60	3868.90
20576. 6.	-56.7	29.2	16.5	0.52	0.51	2517.14
20576. 7.	47.1	14.8	16.2	0.76	0.68	2493.40
20576. 9.	38.9	19.4	16.1	0.85	0.77	3227.09
20576.10.	31.5	20.8	16.2	0.91	0.84	4191.98
20576.11.	24.8	22.2	16.2	0.95	0.89	5098.62
20576.12.	17.9	23.6	16.2	0.98	0.93	5098.24
20576.13.	11.6	24.8	16.2	0.99	0.95	5175.48
20576.14.	6.5	24.4	16.2	1.00	0.97	5018.81
20576.15.	-1.3	26.8	16.2	0.99	0.97	4985.10
20576.16.	-9.7	29.6	16.2	0.97	0.94	5332.43
20576.17.	-17.6	30.6	16.3	0.94	0.91	5604.71
20576.18.	-22.9	31.9	16.3	0.90	0.88	5324.71
20576.19.	-29.6	32.3	16.3	0.85	0.83	5510.14
20576.20.	-37.1	33.2	16.3	0.78	0.76	5299.29
20576.21.	61.7	17.8	16.1	0.56	0.47	1264.97
20576.23.	51.0	25.8	16.0	0.72	0.62	1604.12
20576.24.	43.8	26.1	16.1	0.80	0.71	2602.38
20576.25.	36.7	26.6	16.1	0.87	0.79	3469.67
20576.26.	30.6	26.8	16.1	0.91	0.85	4399.76
20576.27.	21.7	29.9	16.1	0.96	0.91	5099.48
20576.28.	13.4	32.8	16.1	0.99	0.94	5271.00
20576.29.	6.8	34.0	16.1	1.00	0.96	4958.62
20576.30.	1.1	34.3	16.2	1.00	0.97	4959.48
20576.31.	-5.1	34.6	16.2	0.99	0.96	5170.24
20576.32.	-11.2	35.2	16.2	0.97	0.95	5450.05
20576.33.	-18.1	36.0	16.3	0.93	0.92	5629.48
20576.34.	-26.2	38.2	16.3	0.88	0.86	5419.29
20576.35.	-34.9	40.6	16.3	0.80	0.78	5333.95
20576.36.	-42.8	41.6	16.3	0.71	0.69	4920.81

20576.37.	-55.0	46.4	16.3	0.54	0.53	3047.33
20576.38.	46.4	29.9	16.0	0.77	0.69	2603.23
20576.40.	38.2	35.0	16.0	0.86	0.77	3281.82
20576.41.	30.7	36.2	16.0	0.91	0.84	4285.57
20576.42.	24.5	36.8	16.1	0.95	0.89	5095.76
20576.43.	18.3	37.3	16.1	0.98	0.93	5118.90
20576.44.	11.9	37.8	16.1	0.99	0.96	5192.81
20576.45.	6.2	38.3	16.1	1.00	0.97	5004.71
20576.46.	-1.2	39.7	16.2	0.99	0.98	5006.52
20576.47.	-8.3	41.4	16.2	0.98	0.96	5354.24
20576.48.	-16.1	43.4	16.2	0.95	0.93	5570.24
20576.49.	-24.0	45.2	16.2	0.90	0.88	5333.10
20576.50.	-32.5	47.6	16.2	0.83	0.80	5453.86
20576.51.	-41.9	50.6	16.2	0.72	0.70	4945.00
20576.52.	57.7	33.4	16.0	0.62	0.53	1317.03
20576.54.	52.7	33.5	16.0	0.68	0.61	1466.48
20576.55.	43.3	37.5	16.0	0.80	0.72	2503.81
20576.56.	34.7	40.6	16.0	0.88	0.81	3728.24
20576.57.	26.8	42.7	16.0	0.94	0.88	4868.33
20576.58.	18.9	45.0	16.0	0.97	0.93	5021.48
20576.59.	11.4	46.5	16.0	0.99	0.96	5140.43
20577. 0.	4.9	47.4	16.0	1.00	0.97	4998.33
20577. 1.	-0.1	47.4	16.1	1.00	0.98	4943.38
20577. 2.	-6.4	47.6	16.1	0.98	0.97	5275.38
20577. 3.	-12.5	48.1	16.2	0.96	0.95	5461.76
20577. 4.	-20.0	49.9	16.2	0.92	0.91	5372.71
20577. 5.	-28.5	51.9	16.2	0.86	0.85	5615.95
20577. 6.	-37.2	54.1	16.2	0.78	0.76	5193.29
20577. 7.	-47.3	57.1	16.2	0.66	0.64	4538.81
20577. 8.	-60.3	62.4	16.2	0.46	0.45	2005.26
20577. 9.	42.1	45.2	15.9	0.81	0.74	2996.30
20577.11.	36.8	46.2	16.0	0.86	0.80	3580.00
20577.12.	30.4	46.7	16.0	0.91	0.86	4379.95
20577.13.	23.6	47.9	16.0	0.95	0.91	5150.43
20577.14.	16.1	49.7	16.0	0.98	0.95	5255.76
20577.15.	9.1	51.5	16.0	0.99	0.97	5064.90
20577.16.	2.1	53.1	16.0	1.00	0.98	5023.10
20577.17.	-5.1	54.8	16.1	0.99	0.97	5168.43
20577.18.	-12.0	56.6	16.1	0.96	0.95	5484.62
20577.19.	-19.4	58.4	16.1	0.93	0.91	5494.43
20577.20.	-26.8	60.0	16.1	0.88	0.86	5607.38
20577.21.	-33.7	60.8	16.1	0.82	0.80	5420.52
20577.22.	-41.1	61.9	16.1	0.74	0.72	5016.14
20577.23.	57.4	43.1	15.9	0.61	0.54	1351.47
20577.25.	50.1	48.3	15.9	0.72	0.64	1635.09
20577.26.	41.5	51.9	15.9	0.82	0.75	2759.57
20577.27.	33.7	54.2	15.9	0.89	0.83	3839.19
20577.28.	26.7	56.4	15.9	0.93	0.88	4979.95
20577.29.	19.8	58.1	15.9	0.97	0.93	5044.24
20577.30.	13.4	59.5	15.9	0.99	0.96	5215.29
20577.31.	6.7	61.3	15.9	1.00	0.97	4970.90
20577.32.	-0.4	62.8	16.0	1.00	0.97	4919.76
20577.33.	-7.5	64.6	16.0	0.98	0.96	5370.90
20577.34.	-15.1	66.5	16.0	0.95	0.93	5574.52
20577.35.	-21.7	67.8	16.0	0.91	0.89	5459.95
20577.36.	-28.5	68.9	16.0	0.86	0.84	5592.62
20577.37.	-35.6	69.7	16.0	0.80	0.78	5343.86
20577.38.	-42.8	70.5	16.1	0.72	0.70	4814.81
20577.39.	-53.6	73.9	16.1	0.57	0.55	3416.76
20577.40.	45.4	58.6	15.8	0.78	0.70	2452.04
20577.42.	38.9	62.8	15.8	0.85	0.77	3041.39
20577.43.	31.8	64.8	15.8	0.91	0.84	4213.90
20577.44.	24.4	66.9	15.8	0.95	0.89	5141.67

N-S 1411

20577.45.	17.5	68.6	15.3	0.98	0.93	5138.33
20577.46.	11.1	69.5	15.8	0.99	0.96	5087.10
20577.47.	5.6	69.9	15.9	1.00	0.97	4934.33
20577.48.	-0.1	70.4	15.9	1.00	0.97	4926.52
20577.49.	-6.2	71.0	15.9	0.98	0.97	5100.05
20577.50.	-13.4	73.0	15.9	0.96	0.94	5459.76
20577.51.	-20.9	74.7	15.9	0.92	0.90	5595.10
20577.52.	-28.3	76.7	15.9	0.86	0.84	5417.76
20577.53.	-37.2	78.6	16.0	0.78	0.75	5219.76

N-S M12

VOYAGER 2
PHOTOPOLARIMETER SUBSYSTEM
EAST-WEST MAP
2400A
JULY 2, 1980

E-W M1

S/C CLOCK	LATITUDE	LONGITUDE	PHASE	MU	MUO	COUNTS/.4 SEC
20542.16.	13.3	156.5	21.8	0.87	0.62	2820.00
20542.17.	12.5	156.3	21.8	0.88	0.63	3033.62
20542.18.	12.7	156.3	21.8	0.88	0.64	3207.85
20542.19.	12.8	146.4	22.0	0.95	0.76	3531.05
20542.20.	12.7	146.5	22.0	0.95	0.77	3625.92
20542.21.	12.7	146.5	22.0	0.95	0.77	3719.56
20542.22.	12.5	137.2	22.1	0.99	0.86	3993.20
20542.23.	12.3	136.8	22.1	0.99	0.87	4061.45
20542.24.	12.3	136.9	22.1	0.99	0.87	4117.15
20542.25.	11.4	126.6	22.3	0.99	0.94	4305.00
20542.26.	11.4	126.2	22.3	0.99	0.95	4356.90
20542.27.	11.6	126.2	22.3	0.99	0.95	4400.18
20542.28.	12.3	118.9	22.5	0.96	0.97	4554.82
20542.29.	12.5	119.0	22.5	0.96	0.97	4588.49
20542.30.	12.6	119.6	22.5	0.96	0.97	4630.90
20542.31.	12.4	109.9	22.6	0.90	0.97	4734.38
20542.32.	12.9	110.6	22.6	0.90	0.97	4771.56
20542.33.	12.9	110.7	22.6	0.90	0.97	4780.23
20542.34.	12.7	100.5	22.8	0.80	0.94	4984.85
20542.35.	12.8	100.6	22.8	0.80	0.94	5005.97
20542.36.	13.0	101.1	22.8	0.80	0.94	5043.56
20542.37.	12.2	88.8	22.9	0.65	0.87	5328.13
20542.38.	12.5	89.0	22.9	0.64	0.86	5354.33
20542.39.	12.7	89.6	22.9	0.64	0.86	5406.90
20542.40.	11.3	71.5	23.1	0.37	0.68	5745.07
20542.41.	11.6	71.5	23.1	0.36	0.67	5736.08
20542.42.	11.7	71.0	23.1	0.34	0.66	5716.13
20542.43.	9.1	51.0	23.2	-0.00	0.36	900.36
20542.44.	9.1	51.4	23.2	-0.01	0.36	703.58
20542.45.	9.2	51.9	23.2	-0.01	0.36	566.78
20542.46.	6.8	176.4	21.7	0.82	0.56	3760.50
20542.47.	6.8	176.8	21.7	0.83	0.56	3755.64
20543.22.	-1.7	183.8	21.7	0.90	0.70	4396.24
20543.23.	-0.9	184.3	21.7	0.90	0.70	4348.59
20543.24.	-0.5	184.7	21.7	0.91	0.70	4322.44
20543.25.	-0.9	174.0	21.9	0.97	0.83	4520.35
20543.26.	-0.2	174.6	21.9	0.97	0.83	4513.15
20543.27.	-0.4	174.5	21.9	0.97	0.83	4505.36
20543.28.	0.4	166.8	22.0	0.99	0.90	4663.40
20543.29.	0.1	166.7	22.1	0.99	0.91	4666.18
20543.30.	-0.2	166.4	22.1	0.99	0.91	4689.10
20543.31.	-0.9	157.6	22.2	0.99	0.97	4870.24
20543.32.	-1.0	157.5	22.2	0.99	0.97	4888.03
20543.33.	-1.0	157.3	22.2	0.99	0.97	4922.90
20543.34.	-1.9	147.9	22.4	0.94	1.00	5129.73
20543.35.	-2.3	148.2	22.4	0.94	1.00	5155.51
20543.36.	-4.5	149.7	22.4	0.94	0.99	5238.28
20543.37.	-6.0	141.4	22.5	0.88	0.99	5484.64
20543.38.	-6.9	142.5	22.5	0.88	0.99	5560.69
20543.39.	-6.8	141.8	22.5	0.88	0.99	5555.97
20543.40.	-6.9	131.0	22.7	0.77	0.95	5819.18
20543.41.	-6.2	130.7	22.7	0.76	0.95	5781.21
20543.42.	-3.2	132.7	22.7	0.79	0.96	5763.42
20543.44.	-4.4	119.4	22.8	0.61	0.87	6172.35
20543.45.	-6.5	113.5	22.9	0.51	0.80	6201.21

20543.46.	-8.1	91.6	23.0	0.15	0.52	4706.31
20543.47.	-8.6	83.5	23.0	0.00	0.39	4208.35
20543.48.	-8.3	91.3	23.0	0.13	0.50	3937.68
20543.49.	-9.4	84.4	23.2	-0.00	0.39	70.58
20543.50.	-10.7	85.1	23.1	-0.00	0.39	109.77
20543.51.	-11.2	85.6	23.1	-0.00	0.39	185.72
20543.52.	-8.3	204.1	21.6	0.84	0.62	4392.79
20543.53.	-8.3	204.5	21.6	0.84	0.62	4491.67
20543.54.	-8.3	204.8	21.6	0.84	0.62	4547.82

E-W M2

VOYAGER 2
PHOTOPOLARIMETER SUBSYSTEM
GANYMEDE DATA
2400A
JUNE 26, 1980

G 1

S/C CLOCK	LATITUDE	LONGITUDE	PHASE	MU	MU0	COUNTS/.4 SEC
20631. 3.	25.6	193.0	24.1	0.81	0.90	887.50
20631. 3.	24.4	192.7	24.1	0.81	0.91	891.00
20631. 4.	23.8	192.7	24.1	0.82	0.91	863.25
20631. 4.	22.5	191.5	24.1	0.84	0.92	851.25
20631. 5.	20.9	191.9	24.1	0.84	0.93	858.00
20631. 5.	19.6	191.9	24.1	0.85	0.94	860.75
20631. 6.	19.3	191.4	24.1	0.86	0.94	871.50
20631. 6.	17.2	191.2	24.1	0.87	0.95	852.75
20631. 7.	16.9	190.7	24.1	0.87	0.96	888.25
20631. 7.	14.8	190.7	24.1	0.88	0.97	863.00
20631. 8.	14.1	190.6	24.1	0.89	0.97	854.50
20631. 8.	13.3	190.6	24.2	0.89	0.97	805.75
20631. 9.	21.3	158.5	23.9	0.92	0.78	697.25
20631. 9.	20.5	156.0	23.9	0.91	0.77	660.00
20631.10.	20.4	152.8	23.9	0.90	0.73	661.25
20631.10.	20.3	150.8	23.9	0.90	0.71	624.25
20631.11.	19.5	148.0	23.9	0.89	0.69	613.00
20631.11.	19.1	145.7	23.9	0.87	0.66	582.75
20631.12.	18.3	142.9	23.8	0.86	0.63	579.00
20631.12.	17.5	140.4	23.8	0.85	0.60	588.75
20631.13.	16.7	139.6	23.8	0.84	0.59	599.75
20631.13.	14.8	139.0	23.8	0.85	0.59	596.25
20631.14.	12.6	138.2	23.8	0.85	0.59	612.00
20631.14.	10.9	138.3	23.8	0.86	0.59	656.25
20631.21.	-20.2	188.3	24.3	0.88	0.94	991.25
20631.21.	-20.2	186.8	24.3	0.89	0.94	983.50
20631.22.	-19.4	184.3	24.3	0.90	0.94	1010.00
20631.22.	-19.1	183.7	24.3	0.91	0.94	1022.25
20631.23.	-18.9	181.9	24.3	0.92	0.93	1006.50
20631.23.	-18.6	180.4	24.3	0.93	0.93	992.50
20631.24.	-17.8	178.1	24.3	0.94	0.93	995.25
20631.24.	-17.4	176.6	24.3	0.94	0.92	1000.50
20631.25.	-18.3	176.6	24.3	0.94	0.92	1058.50
20631.25.	-18.8	177.2	24.3	0.94	0.92	1033.25
20631.26.	-19.5	177.3	24.3	0.93	0.91	1006.00
20631.26.	-21.0	178.0	24.3	0.92	0.91	895.50
20631.27.	-12.6	147.1	24.1	0.92	0.70	795.00
20631.27.	-13.5	147.6	24.1	0.92	0.70	783.75
20631.28.	-14.2	147.9	24.1	0.92	0.70	764.75
20631.28.	-16.2	146.5	24.1	0.90	0.68	743.75
20631.29.	-18.1	145.4	24.1	0.88	0.66	759.00
20631.29.	-19.6	144.3	24.1	0.87	0.64	773.75
20631.30.	-21.8	144.1	24.1	0.86	0.63	805.50
20631.30.	-23.3	142.9	24.1	0.84	0.61	819.00
20631.31.	-25.6	141.5	24.1	0.81	0.58	851.25
20631.31.	-27.4	140.1	24.1	0.79	0.55	873.00
20631.32.	-28.7	139.0	24.1	0.77	0.53	906.50
20631.32.	-29.9	135.3	24.1	0.74	0.48	897.00
20635.25.	51.6	197.4	31.6	0.42	0.62	847.00
20635.26.	49.4	192.3	31.6	0.48	0.64	969.75
20635.26.	47.9	188.9	31.6	0.51	0.66	1000.75
20635.33.	29.7	219.6	32.3	0.45	0.81	798.75
20635.34.	26.8	214.4	32.3	0.53	0.86	895.00
20635.34.	24.5	210.6	32.3	0.59	0.89	883.00
20635.35.	36.2	203.7	32.2	0.55	0.80	840.50

20635.35.	34.2	199.7	32.2	0.61	0.82	883.75
20635.36.	31.6	195.9	32.2	0.66	0.85	841.25
20635.36.	29.1	192.6	32.2	0.71	0.87	819.00
20635.37.	27.2	189.8	32.2	0.75	0.88	798.00
20635.37.	25.4	187.1	32.2	0.78	0.88	793.00
20635.38.	22.6	185.1	32.2	0.81	0.90	762.00
20635.38.	20.5	183.8	32.2	0.84	0.90	751.50
20635.43.	15.6	224.7	32.9	0.46	0.86	806.75
20635.43.	13.3	222.2	32.9	0.51	0.89	824.50
20635.44.	10.8	217.9	32.9	0.58	0.93	865.75
20635.44.	9.4	214.2	32.9	0.63	0.95	859.50
20635.45.	7.4	210.8	32.9	0.68	0.97	895.50
20635.45.	6.0	207.7	32.9	0.73	0.98	869.50
20635.46.	4.2	204.7	32.9	0.77	0.99	863.00
20635.46.	2.4	202.4	32.9	0.80	1.00	851.00
20635.47.	11.9	193.1	32.8	0.84	0.97	828.00
20635.47.	10.4	190.6	32.8	0.86	0.97	768.50
20635.48.	8.7	188.3	32.8	0.89	0.97	775.25
20635.48.	7.1	186.6	32.8	0.91	0.97	743.25
20635.49.	4.5	185.3	32.8	0.92	0.97	758.50
20635.49.	2.7	184.1	32.8	0.94	0.97	736.75
20635.50.	0.5	182.6	32.8	0.95	0.96	800.25
20635.50.	-1.4	181.3	32.8	0.96	0.95	791.25

G2

VOYAGER 2
PHOTOPOLARIMETER SUBSYSTEM
CLOUDZ DATA
2400A
JUNE 26, 1980

C1

S S/C CLOCK	LATITUDE	LONGITUDE	PHASE	MU	MUO	COUNTS/.4 SEC
20634.33.	21.8	292.0	21.0	0.59	0.82	5800.
20634.37.	21.0	289.5	21.0	0.65	0.85	5750.
20634.41.	12.7	291.9	21.2	0.68	0.89	6190.
20644.12.	21.9	190.2	40.5	0.60	0.92	6136.
20644.16.	21.3	189.2	40.5	0.64	0.93	5941.
20644.20.	14.5	187.9	40.6	0.71	0.97	6496.
20644.40.	12.8	146.8	37.7	0.92	0.60	4422.
20644.44.	21.6	116.8	36.1	0.60	0.13	1928.
20644.52.	14.2	120.3	36.3	0.64	0.13	1488.
20648.10.	24.1	315.9	52.9	0.26	0.87	6470.
20648.14.	22.3	309.9	52.9	0.39	0.91	6176.
20648.18.	22.1	304.7	52.9	0.49	0.93	5980.
20648.22.	22.1	302.8	52.9	0.54	0.93	5636.
20648.26.	20.7	277.3	51.3	0.81	0.82	4691.
20648.42.	16.3	326.4	54.7	0.35	0.94	6310.
20648.46.	15.6	321.8	54.7	0.44	0.96	6015.
20648.50.	14.4	318.1	54.7	0.53	0.97	5720.
20648.54.	13.0	314.4	54.7	0.61	0.97	5428.
20648.58.	12.4	290.0	53.0	0.88	0.83	4183.
20654.43.	23.7	113.5	77.5	0.35	0.88	5370.
20654.47.	22.0	106.9	77.5	0.48	0.85	4820.
20654.51.	21.6	103.4	75.9	0.55	0.82	4475.
20654.55.	20.7	79.7	75.8	0.79	0.55	3080.
20654.59.	22.1	61.7	74.2	0.84	0.25	1635.
20655.11.	16.8	131.2	80.0	0.29	0.94	5900.
20655.15.	14.5	125.1	80.0	0.43	0.91	5705.
20655.19.	13.3	121.2	80.0	0.51	0.88	5409.
20655.23.	12.6	93.6	78.1	0.84	0.57	3465.
20655.27.	14.1	73.9	76.3	0.91	0.24	2020.
20655.30.	13.8	72.8	76.3	0.91	0.19	1773.
20655.30.	13.8	72.8	76.3	0.91	0.19	1773.